



## 2022 Line Shop Remodel

Line Shop  
1116 W. North Front Street  
Grand Island, NE

Contact  
City of Grand Island Utilities Department  
Jeffrey Mead, Senior Engineer  
(308) 385-5462 x.1142  
[jeff.mead@guid.com](mailto:jeff.mead@guid.com)

Date Issued: July 9, 2022  
Date Bid Due: August 9, 2022

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# **SECTION A**

## **ADVERTISEMENT FOR BIDS**

**ADVERTISEMENT FOR BIDS**  
**FOR**  
**2022 LINE SHOP REMODEL**

Sealed bids will be received at the **Office of the City Clerk, 100 East First Street, Grand Island, NE 68801, until 2:00 pm. (Local Time), August 9, 2022** for 2022 Line Shop Remodel, FOB the City of Grand Island. Bids will be publicly opened at this time at the Office of the City Clerk, 100 East First Street, Grand Island, NE. Bids received after the specified time will be returned unopened to sender. Plans and specifications are on file at the City of Grand Island, Phelps Control Center, 700 East Bischeld Street, Grand Island, NE. (308) 385-5462 x.1142. Bid proposal package and any Addenda are also available on-line at [www.grand-island.com/business/bids-and-request-for-proposals/bid-calendar](http://www.grand-island.com/business/bids-and-request-for-proposals/bid-calendar) and through [www.questcdn.com](http://www.questcdn.com) for a thirty dollar (\$30) fee.

Bids shall be submitted on forms that will be furnished by the City. Bids must be uploaded to the Quest CDN website and received before the specified time to be considered. Or if submitting by mail, send an original and three copies.

Each bidder shall submit with the bid a certified check, a cashier's check, or bid bond payable to the City Treasurer in an amount no less than five percent (5%) of the bid price which shall guarantee good faith on the part of the bidder and the entering into a contract within twenty (20) days at the bid price if accepted by the City. Your certified check, cashier's check or bid bond must be submitted in a separate envelope attached to the outside of the envelope containing the bid. Each envelope must be clearly marked indicating its contents. Failure to submit the necessary qualifying information and correct number of copies in clearly marked and separate envelopes will result in your bid not being opened or considered. OR Bid bonds must be uploaded to Quest CDN, [www.QuestCDN.com](http://www.QuestCDN.com). Bid bonds must be issued by surety companies authorized to do business in the State of Nebraska.

The successful bidder will be required to comply with fair labor standards as required by Nebraska R.R.S.73-102 and comply with Nebraska R.R.S. 48-657 pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. Successful bidder shall maintain a drug free workplace policy. Every public contractor and his, her or its subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska.

Bids will be evaluated by the Purchaser based on price, schedule, quality, adherence to schedule, plan and specifications, economy and efficiency of operation, experience and reputation of the bidder, ability, capacity, and skill of the bidder to perform contract required and adaptability of the particular items to the specific use intended. The Purchaser reserves the right to reject any or all bids, to waive irregularities therein, and to accept whichever bid that may be in the best interest of the City, at its sole discretion. No bidder may withdraw his/her bid for a period of thirty (30) days after date of bid opening.

RaNae Edwards,  
City Clerk

## **SECTION B**

# **INSTRUCTIONS TO BIDDERS**

## INSTRUCTIONS TO BIDDERS **2022 LINE SHOP REMODEL**

**EXCEPTIONS TO SPECIFICATIONS:** Each bidder shall carefully check all requirements herein set forth and shall offer items which fully comply with these requirements or shall plainly set forth all points, features, conditions, specifications, etc., wherein their items offered do not meet these specifications. Such exceptions as are made shall be listed by page number in the blanks provided in the Contractor's Bid Form and shall be marked in ink on the pages of these specifications. If additional space is required for exception explanation, please reference and attach a letter to bid. Reference shall not be made to other attachments for exceptions and supplementary terms. Failure to outline such exceptions as specifically stated herein will require the successful bidder to comply with these specifications. In case of conflict between the bid and these specifications, these specifications shall govern unless specific exceptions are listed by the bidder. Exceptions must be noted on the bid form.

**SUBMISSION OF BIDS:** See Advertisement for Bids section for further details. All bids shall be submitted using the City's bid form. Bids via mail shall **be in a sealed envelope, addressed to the City Clerk**, and plainly marked, **"BID for 2022 Line Shop Remodel"**. Bids can also be submitted online at [www.questcdn.com](http://www.questcdn.com)

**BIDDER SECURITY:** Bidder security shall be enclosed in a separate sealed envelope marked, **"BIDDER SECURITY for 2022 Line Shop Remodel "** and provided with the bid. The envelope shall contain only a cashier's check, certified check or bidder's bond. Or bid bonds must be uploaded to Quest CDN, [www.questcdn.com](http://www.questcdn.com). Bids of an incomplete nature or subject to multiple interpretations may, at the option of the Purchaser, be rejected as being irregular.

**INSURANCE COVERAGE:** The Contractor shall purchase and maintain at their expense as a minimum insurance coverage of such types and in such amounts as are specified herein to protect Contractor and the interest of Owner and others from claims which may arise out of or result from Contractor's operations under the Contract Documents, whether such operations be by Contractor or by any subcontractor or anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. Failure of Contractor to maintain proper insurance coverage shall not relieve them of any contractual responsibility or obligation.

**BASE BID:** The bidder is expected to base their bids on materials and items complying fully with these specifications. In the event they name in their bid materials or items which do not conform, they will be responsible for furnishing materials and items which fully conform at no change in the bid price.

**ALTERNATE BIDS:** It is the desire of the Owner that the bidder base their bid price for this project on the written specifications. If an alternate bid or bids are submitted by a bidder, it is desired that they first submit a bid price as above described and then describe the alternate bid. Failure to do so may be reason for not extending any consideration to alternate bids.

**BIDDER QUALIFICATION:** Bids will be received only from qualified bidders. A bidder will be considered qualified if they are a recognized contractor and have experience in the construction of projects of equal or greater size than that specified herein. If requested, the bidder shall supply experience data. Such data will be used to assist in determining the qualifications of the bidder. Bidder must comply with all applicable Federal, State and Local rules and regulations.

**CHECKS OR BID BONDS:** Checks or bid bonds of the unsuccessful bidders will be returned when their bids have been rejected and not to exceed thirty (30) days from the date bids are opened. All bids shall remain in force for this 30-day period. The check or bid bond of the successful bidder will be returned when the Contracts are signed by both parties and necessary bonds supplied. Should the Purchaser make an award to a bidder who refuses to enter into Contract and furnish the required bonds within twenty (20) days after notification of acceptance, then the bid security which has been deposited with the Purchaser will be forfeited to the Purchaser as liquidated damages.

**PERFORMANCE BOND:** On award of the Contract, the successful Contractor shall furnish a Performance Bond

which shall be in an amount equal to the full Contract price, guaranteeing faithful compliance with all requirements of the Contract Documents and complete fulfillment of the Contract, and payment of all labor, material and other bills incurred in carrying out this Contract. According to Nebraska Law, the surety company executing the Performance Bond must be authorized to do business in the State of Nebraska.

**PAYMENT BOND:** On award of the Contract, the successful Contractor shall furnish a Payment Bond which shall be in an amount equal to the full Contract price, guaranteeing protection of all persons supplying labor and materials to the Contractor or its subcontractors for the performance of the work provided for in the Contract. In accordance with Nebraska Law, the surety company executing the Payment Bond must be authorized to do business in the State of Nebraska.

**TAXES:** The City Utilities Department pays sales tax amounting to 5.5% State and 2.0% City; payment of 7.5% sales tax must be in the Contractor's bid. Contractor must pay any other tax which might be applicable.

**REQUESTS FOR PAYMENT:** The City of Grand Island will make payments only after approval at regularly scheduled City Council meetings. These meetings typically occur the second and fourth Tuesday each month. Requests for payment must be received no less than ten (10) working days prior to the designated meeting to allow time for proper review and consideration. Payments will only be made after final completion of the project to City's satisfaction unless otherwise stated in bidding documents.

**REQUEST FOR INTERPRETATION:** If any person contemplating submitting a bid for this Contract is in doubt as to the true meaning of any part of the specifications or other proposed Contract documents, they may submit to the Purchasing Department a written request for an interpretation thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the proposed documents will be made only by addendum duly issued and/or delivered to each person receiving a set of such documents. The addenda upon closing shall become a part of the Contract. The City will not be responsible for any other explanation or interpretation of the proposed documents.

**ADDENDA:** Any addendum to the specifications issued during the time allowed for preparation of bids shall be covered in the bid and shall become a part of the specifications. One copy of each addendum issued before the date of the letting will be sent to all bidders. One signed copy is to be returned immediately to the sender as acknowledgment of receipt.

**TIME OF COMPLETION:** Time of completion is the essence of this Contract, and all work shall be completed no later than November 30, 2022.

**MODIFICATION OF BIDS:** Bids may be modified or withdrawn by an appropriate document duly executed in the manner that a bid must be executed and delivered to the place where bids are to be submitted at any time prior to the final time set for receiving bids. Bidders may modify or withdraw bids by Fax communication at any time prior to the time set for receiving bids provided this instruction is positively identified. Any Fax modification should not reveal the amended bid price but should provide only the addition, subtraction or other modifications. A duly-executed document confirming the Fax modification shall be submitted within three (3) days after bids are opened.

**BID DATA:** Bidders shall submit bid documents and data by filling in the document and data sheets supplied by the Purchasing Department. The bid sheets shall be filled out legibly in ink to permit reproduction.

**FINANCIAL STATEMENT:** The bidder shall furnish upon request a complete financial statement signed by the bidder, if an individual, by all partners if the bidder is a partnership or, by the President or Secretary, if the bidder is a corporation.

**EQUAL EMPLOYMENT OPPORTUNITY:** The Contractor agrees that during the performance of this Contract not to discriminate in hiring or any other employment practice on the basis of race, color, religion, sex, disability, age or national origin, and to comply with Executive Order 11,246 of September 24, 1965, and the rules, regulations and relevant orders of the Secretary of Labor, and Chapter 20 of the Reissue Revised Statutes of the State of Nebraska.

**GRATUITIES AND KICKBACKS:** City Code states that it is unethical for any person to offer, give, or agree to give any City employee or former City employee, or for any City employee or former City employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or proposal therefore. It shall be unethical for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor or higher tier subcontractor or any person associated there within, as an inducement for the award of a subcontract or order.

**LOCAL CONDITIONS:** Each bidder shall have an authorized representative visit the site of the work and thoroughly inform themselves of all conditions and factors which would affect the work and the cost thereof, including the arrangement and conditions of existing or proposed structures affecting or affected by the proposed work; the procedure necessary for maintenance of uninterrupted operation; the availability and cost of labor and facilities for transportation, handling, and storage of materials and equipment.

It must be understood and agreed that all such factors have been investigated and considered in the preparation of every bid submitted. No claims for financial adjustment to any Contract awarded for the work under these Specifications and documents will be permitted by the City, which are based on lack of such prior information or its effect on the cost of the work.

**CORRESPONDENCE:** Correspondence regarding drawings, instruction manuals, and other engineering data shall be sent to:

Attn: Jeff Mead  
City of Grand Island  
Utility Department  
P.O. Box 1968  
Grand Island, NE 68802-1968  
(308) 385-5462 x.1142  
jeff.mead@giud.com

**LOCAL BIDDER PREFERENCE:** In case of tied low bids, all other things being equal, preference shall be given in the following order:

1. To those bidders who manufacture their products within the limits of the City of Grand Island.
2. To those bidders who manufacture their products within the limits of the County of Hall.
3. To those bidders who package, process, or through some other substantial operation have employees and facilities for these purposes in the City of Grand Island.
4. To those bidders who package, process, or through some other substantial operation have employees and facilities for these purposes in the County of Hall.
5. To those bidders who maintain a bona fide business office in the City of Grand Island, whose products may be made outside the confines of the City of Grand Island.
6. To those bidders who maintain a bona fide business office in the County of Hall, whose products may be made outside the confines of the County of Hall.
7. To those bidders whose commodities are manufactured, mined, produced, or grown within the state of Nebraska and to all firms, corporations, or individuals doing business as Nebraska firms, corporations or individuals, when quality is equal or better and delivered price is the same or less than the other

bids received.

8. To those bidders whose commodities are manufactured, mined, produced, or grown within the United States of America and to all firms, corporations, or individuals doing business as firms registered in states other than Nebraska when quality is equal or better and delivered price is the same or less than the other bids received.



## **SECTION C**

# **CONTRACTOR'S BID FORM**

**BID FORM  
CITY OF GRAND ISLAND, NEBRASKA**

**2022 Line Shop Remodel**

INSTRUCTIONS: Completely fill out and return these 2 pages with additional information as requested by the city or deemed necessary by contractor by time and date advertised and stated in "Instructions To Bidder" section.

**BIDDER NAME:** \_\_\_\_\_

THE UNDERSIGNED BIDDER, having examined the plans, specifications, general and special conditions, other proposed Contract documents, all addenda thereto and being acquainted with and fully understanding (a) the extent and character of the work covered by this bid, (b) the location, arrangement and specified requirements for the proposed work, (c) the location, character and condition of existing streets, roads, highways, railroads, pavements, surfacing, walks, driveways, curbs, gutters, trees, sewers, utilities, drainage courses and structures and other installations, both surface and underground, which may affect or be affected by the proposed work, (d) the nature and extent of the excavations to be made and the handling and rehandling requirements, including the possible constraints of dewatering due to ground water, (f) the difficulties and hazards to the work which might be caused by storm and flood water, delivery facilities, and (h) all other factors and conditions affecting or which may be affected by the work,

HEREBY PROPOSES to furnish all required materials, supplies, equipment, tools and plant, to perform all necessary labor and supervision, and to construct, install, erect, equip and complete all work stipulated in, required by and in accordance with the Contract documents and the plans, specifications and other documents referred to therein (as altered, amended or modified by all addenda thereto).

**1. BID PRICE:** The price listed below will be used as the established lump sum price and shall include all materials, supplies, equipment, labor, taxes, freight, and other necessary to complete the project as stated in these specifications and as shown on the plans and drawings. Break down of costs provided at contractor's discretion. The City of Grand Island, Utilities Department does pay sales tax. See item 2 below. If bidder fails to include sales tax in the bid price or takes exception to including sales tax in the bid price, the City will add a 7.5% figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

**TOTAL BASE BID:** Dollars \$ \_\_\_\_\_

**7.5% NEBRASKA SALES TAX:** Dollars \$ \_\_\_\_\_

**GRAND TOTAL BID:** Dollars \$ \_\_\_\_\_

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**2. SALES TAX:** The Grand Island Utilities Department is a non-exempt body and, as such, is required to pay City sales tax (which at present is 2.0%) and State sales tax (which at present is 5.5%). Therefore, all sales taxes relative to the project shall be paid by the Contractor as part of the Contract price. If Bidder fails to include all applicable sales tax in their bid price, the City will add a 7.5 % figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

According to Nebraska Sales and Use Tax Requirements, Section 1-017, Contractors, check which option you have selected to file with the Nebraska Department of Revenue;

Option 1 (Section 1-017.05) \_\_\_\_\_

Option 2 (Section 1-017.06) \_\_\_\_\_

Option 3 (Section 1.017.07) \_\_\_\_\_

The choice of option is made by completing and mailing to the Department of Revenue, a Nebraska Sales and Use Tax Election for Contractors. This form must be filed within three (3) months after beginning to operate as a Contractor. If this form is not filed, the Contractor will be treated as a retailer under Option 1 for sales and use tax purposes.

**3. SITE VISIT:** Person who performed required site visit with City representative initial here. \_\_\_\_\_

**4. EXCEPTIONS:** Check here \_\_\_\_\_ if bidder is taking exception(s). Accompany bid with documentation outlining and explaining any and all exceptions. See instructions to bidders section.

**5. ADDENDA:** Check here \_\_\_\_\_ if bidder acknowledges that Addenda(s) were received and considered in bid preparation. Bidder acknowledges the following number of addenda \_\_\_\_\_.

**6. ESTIMATED TIME REQUIRED:** Bidder estimates it will take approximately \_\_\_\_\_ days to complete construction.

**7. COMPLETION DATE:** Contractor acknowledges the expected completion date of November 30, 2022, or proposes the following completion date \_\_\_\_\_.

**8. REFERENCES:** Due upon request.

**9. INSURANCE:** Bidder acknowledges that bid includes compliance with the attached insurance requirements. See section D.

**10. SIGNATURE OF BIDDER:**

The undersigned Bidder agrees to furnish the required bond and to enter into a contract within twenty (20) days after acceptance of this bid, and further agrees to complete all work covered by the foregoing bid in accordance with specified requirements. **No work shall commence until the Certificate of Insurance and bonds (when required) are approved by the City, the contract is executed, and the Notice to Proceed is issued.**

Enclosed herewith is the required bid guarantee in the amount of

\_\_\_\_\_ Dollars ( \_\_\_\_\_ )

which the undersigned Bidder agrees is to be forfeited to and become the property of the City of Grand Island, Nebraska, as liquidated damages should this bid be accepted and a contract be awarded to them and fail to enter into a contract in the form prescribed and to furnish the required bond within twenty 20 days, but otherwise the aforesaid bid guarantee will be returned upon their signing the contract and delivering the approved bond.

It is understood and agreed that time is the essence of the Contract.

In submitting this bid, it is understood that the right is reserved by the City to reject any and all bids; to waive irregularities therein and to accept whichever bid that may be in the best interest of the City. It is understood that this bid may not be withdrawn until after thirty (30) days from bid opening.

In submitting this bid, the Bidder states that Bidder fully complies with, and will continue to comply with, applicable State fair labor standards as required by section 73-102 RRS, 1943 and also complies with, and will continue to comply with, section 48-657 RRS, 1943 pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska.

The undersigned Bidder hereby certifies (a) that this bid is genuine and is not made in the interest of or in the behalf of any undisclosed person, firm or corporation, and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation, (b) that Bidder has not directly or indirectly induced or solicited any person, firm or corporation to refrain from bidding, (c) that Bidder has not sought, by collusion or otherwise, to obtain for themselves an advantage over any other Bidder or over the City of Grand Island, and (d) that Bidder has not directly or indirectly induced or solicited any other Bidder to put in a false or sham bid.

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Bidder Company Name

Date

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Company Address

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Name of Person Completing Bid (print and sign)

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Title of Person Completing Bid

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Telephone Number of Bidder

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Fax Number of Bidder

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E-mail Address of Bidder

## **SECTION D**

# **MINIMUM INSURANCE REQUIREMENTS**

## **MINIMUM INSURANCE REQUIREMENTS**

### **CITY OF GRAND ISLAND, NEBRASKA**

The Contractor shall purchase and maintain at their expense as a minimum insurance coverage of such types and in such amounts as are specified herein to protect Contractor and the interest of Owner and others from claims which may arise out of or result from Contractor's operations under the Contract Documents, whether such operations be by Contractor or by any subcontractor or anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. Failure of Contractor to maintain proper insurance coverage shall not relieve him of any contractual responsibility or obligation.

#### **1. WORKERS COMPENSATION AND EMPLOYER'S LIABILITY**

This insurance shall protect the Bidder against all claims under applicable State workers compensation laws. This insurance shall provide coverage in every state in which work for this project might be conducted. The liability limits shall not be less than the following:

Workers Compensation	Statutory Limits
Employers Liability	\$100,000 each accident
\$100,000 each employee	
\$500,000 policy limit	

#### **2. BUSINESS AUTOMOBILE LIABILITY**

This insurance shall be written in comprehensive form and shall protect the Bidder, Bidder's employees, or subcontractors from claims due to the ownership, maintenance, or use of a motor vehicle. The liability limits shall be not less than the following:

Bodily Injury & Property Damage	\$ 500,000 Combined Single Limit
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#### **3. COMPREHENSIVE GENERAL LIABILITY**

The comprehensive general liability coverage shall contain no exclusion relative to explosion, collapse, or underground property. The liability limits shall be not less than the following:

Bodily Injury & Property Damage	\$ 500,000 each occurrence
\$1,000,000 aggregate	

#### **4. UMBRELLA LIABILITY INSURANCE**

This insurance shall protect the Bidder against claims in excess of the limits provided under employer's liability, comprehensive automobile liability, and commercial general liability policies. The umbrella policy shall follow the form of the primary insurance, including the application of the primary limits. The liability limits shall not be less than the following:

Bodily Injury & Property Damage	\$1,000,000 each occurrence
\$1,000,000 general aggregate	

#### **5. ADDITIONAL REQUIREMENTS**

The City may require insurance covering a Bidder or subcontractor more or less than the standard requirements set forth herein depending upon the character and extent of the work to be performed by such Bidder or subcontractor.

Insurance as herein required shall be maintained in force until the City releases the Bidder of all obligations under the Contract.

The Bidder shall provide and carry any additional insurance as may be required by special provisions of these specifications.

#### **6. CERTIFICATE OF INSURANCE**

Satisfactory certificates of insurance shall be filed with the City prior to starting any work on this Contract. **The certificates shall show the City as an additional insured on all coverage except Workers Compensation. The certificate shall state that thirty (30) days written notice shall be given to the City before any policy is cancelled (strike the "endeavor to" wording often shown on certificate forms). If the bidder cannot have the "endeavor to" language stricken, the bidder may elect to provide a new certificate of insurance every 30 days during the contract. Bidder shall immediately notify the City if there is any reduction of coverage because of revised limits or claims paid which affect the aggregate of any policy.**

## **SECTION E**

# **PROPOSED CONTRACT AGREEMENT**



**CONTRACT AGREEMENT (DRAFT)**

THIS AGREEMENT made and entered into by and between \_\_\_\_\_ hereinafter called the Contractor, and the City of Grand Island, Nebraska, hereinafter called the City.

WITNESSETH:

THAT, WHEREAS, in accordance with law, the City has caused contract documents to be prepared and an advertisement calling for bids to be published, for 2022 Line Shop Remodel; and

WHEREAS, the City, in the manner prescribed by law, has publicly opened, examined, and canvassed the bids submitted, and has determined the aforesaid Contractor to be the lowest responsive and responsible bidder, and has duly awarded to the said Contractor a contract therefore, for the sum or sums named in the Contractor's bid, a copy thereof being attached to and made a part of this contract;

NOW, THEREFORE, in consideration of the compensation to be paid to the Contractor and of the mutual agreements herein contained, the parties have agreed and hereby agree, the City for itself and its successors, and the Contractor for itself, himself, or themselves, and its, his, or their successors, as follows:

ARTICLE I. That the Contractor shall (a) furnish all tools, equipment, superintendence, transportation, and other construction materials, services and facilities; (b) furnish, as agent for the City, all materials, supplies and equipment specified and required to be incorporated in and form a permanent part of the completed work; (c) provide and perform all necessary labor; and (d) in a good substantial and workmanlike manner and in accordance with the requirements, stipulations, provisions, and conditions of the contract documents as listed in the attached General Specifications, said documents forming the contract and being as fully a part thereof as if repeated verbatim herein, perform, execute, construct and complete all work included in and covered by the City's official award of this contract to the said Contractor, such award being based on the acceptance by the City of the Contractor's bid;

ARTICLE II. That the City shall pay to the contractor for the performance of the work embraced in this contract and the contractor will accept as full compensation therefore the sum (subject to adjustment as provided by the contract) of \_\_\_\_\_ Dollars

\$ \_\_\_\_\_  
for all services, materials, and work covered by and included in the contract award and designated in the foregoing Article I; payments thereof to be made in cash or its equivalent in the manner provided in the General Specifications.

ARTICLE III. The contractor hereby agrees to act as agent for the City in purchasing materials and supplies for the City for this project. The City shall be obligated to the vendor of the materials and supplies for the purchase price, but the contractor shall handle all payments hereunder on behalf of the City. The vendor shall make demand or claim for payment of the purchase price from the City by submitting an invoice to the contractor. Title to all materials and supplies purchased hereunder shall vest in the City directly from the vendor. Regardless of the method of payment, title shall vest immediately in the City. The contractor shall not acquire title to any materials and supplies incorporated into the project. All invoices shall bear the contractor's name as agent for the City. This paragraph will apply only to these materials and supplies actually incorporated into and becoming a part of the finished product of 2022 Line Shop Remodel.

ARTICLE IV. That the contractor shall start work as soon as possible after the contract is signed and the required bonds and insurance are approved, and that the Contractor shall complete the work on or before November 30, 2022. It is understood and agreed that time is the essence of the contract.

CONTRACT AGREEMENT (Continued)

ARTICLE V. The Contractor agrees to comply with all applicable State fair labor standards in the execution of this contract as required by Section 73-102, R.R.S. 1943. The Contractor further agrees to comply with the provisions of Section 48-657, R.R.S. 1943, pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. During the performance of this contract, the contractor and all subcontractors agree not to discriminate in hiring or any other employment practice on the basis of race, color, religion, sex, national origin, age or disability. The Contractor agrees to comply with all applicable Local, State and Federal rules and regulations.

IN WITNESS WHEREOF, the parties hereto have executed this Contract Agreement.

Contractor \_\_\_\_\_

By \_\_\_\_\_

Date \_\_\_\_\_

Title \_\_\_\_\_

CITY OF GRAND ISLAND, NEBRASKA,

By \_\_\_\_\_

Mayor

Date \_\_\_\_\_

Attest: \_\_\_\_\_

City Clerk

The contract, insurance, and any required bonds are in due form according to law and are hereby approved.

\_\_\_\_\_  
Attorney for the City

Date \_\_\_\_\_

## **SECTION F**

# **CITY PROJECT SPECIFICATIONS**

## CITY PROJECT SPECIFICATIONS 2022 LINE SHOP REMODEL

### SECTION 100 -- GENERAL

- 100.01 Description of Work. The City of Grand Island Utilities Department (City) owns a building known as the Electric Service Building, commonly known as the Line Shop. This project is to remodel one office, hallways, and a large bathroom/locker room. This will be a general contractor project in charge of all disciplines necessary to complete the project, except electrical and lighting work. The City will perform electrical and lighting work.

Hallways and one office to receive furred out sheet rocked walls and new ceiling grid/tiles and floor. New kitchenette area. Large bathroom/locker room to be totally remodeled and divided into three rooms. Furred out walls, new fixtures and partitions in a new layout, new ceiling grid/tile, new epoxy floor and some tiled walls. Two new doors.

- 100.02 Locations and Contact. The City representative is as follows.

City of Grand Island-Phelps Control  
Jeff Mead  
Box 1968  
Grand Island, NE 68802

ph. 308-385-5462 x.1142  
[jeff.mead@giud.com](mailto:jeff.mead@giud.com)

Project location and on site contact is as follows.

City Line Shop  
1116 W. North Front St.  
Grand Island, NE 68801

Mark Merrill  
ph. 308-385-5469  
[mark.merrill@giud.com](mailto:mark.merrill@giud.com)

- 100.03 Sufficient People and Equipment. The Contractor shall have sufficient people and equipment to complete the job as specified and in the timeframe allotted. Contractor shall provide all materials, tools, rigging, hoists, and other equipment as necessary to complete the job. Subcontractors are allowed. Communicate Subcontractor companies and contact information to the City representative.

- 100.04 Timing. Work can begin as soon as contract is awarded and proof of insurance is provided. See section D concerning insurance. Contractor and City shall jointly develop a work schedule plan with a total project completion date. Work shall proceed continuously once started. The City reserves the right to modify the schedule throughout the project. It is the intent of the City for project to be completed by November 30, 2022.

- 100.05 Safety. City to provide safety briefing to all on site workers prior to start of project. City bears no responsibility for accidents or damage due to unsafe working practices. City has the right to stop work due to perceived unsafe practices. All work shall be performed in accordance with, and equipment shall comply with the Occupational Safety and Health Administration standards. The Contractor shall furnish and

maintain all necessary safety equipment (such as barriers, signs, warning lights, and guards), to provide adequate protection of persons and property. Also see section 100.07 Work Site.

- 100.06 Environmental Hazards. The City know of zero existing environmental hazards at either site. No asbestos containing material shall be used in this project. No lead based paint shall be used in this project.
- 100.07 Work Site. The immediate work site will be vacated throughout the project, but adjacent areas will be occupied during remodel. Work hours are 7:30am to 4pm Monday through Friday. City on site staff can be contacted by calling 308-385-5469. Standard 110v electricity and wall hydrant water are available. Restrooms are available. Contractor shall provide the City representative the cellular phone number of the site foreman.
- 100.08 Site Protection. Good housekeeping is essential, and shall be practiced throughout the Contract period. The Contractor and contractor's employees shall maintain a clean and safe work site free from trash and debris. Contractor to supply any waste collection containers necessary. Temporary masking and plastic dividers shall be used to control smoke, fumes, and dust as necessary. When remodel is complete the work site shall be returned to the condition it was in prior to construction. Contractor shall repair, at their expense, any damage to the grounds, buildings, structures, equipment, or other City property caused by project activities.
- 100.9 Material Handling and Protection. Contractor is responsible for all loading, unloading, handling, storage, protection, and other as it applies, of materials and equipment. A City representative will designate a lay down area. Any material not meeting project or manufacturer's specifications shall be replaced at contractor's expense. A forklift is typically available on site for short time use.
- 100.10 Permits. It is the contractor's responsibility to determine and obtain all necessary permits, and follow any and all applicable local, state, and federal codes. City of Grand Island Building Dept can be reached at 308-385-5444 x.200.
- 100.11 Measurements. Measurements stated or shown are not entirely accurate or all inclusive of project details. It is the contractor's responsibility to solicit more information, make site visits, and/or take field measurements to assure a proper bid and to procure proper material quantities if applicable.
- 100.12 Specifications. The specifications will govern the entire work. Any discrepancy or conflict between this section, drawings, and/or site shall be brought to the City representative's attention.
- 100.13 Specified Products. Directly referenced brands and products in this specification serve as an example of the system/style desired by the City and are not intended to limit or restrict competition. Example brands and products may not exactly fit and/or have all features specified here within. It is the contractor's responsibility to choose and provide equipment that fully meets the scope of work and requirements.
- 100.14 Products Supplied and Request for Approved Equals. Upon request during the bidding process and evaluation, contractor to supply City with documentation,

brochures, samples, or other as deemed necessary to convey what products will be supplied to meet the project intent. Once under contract, Contractor can make request for approved equal to any product specified by the City in writing and include all necessary documentation for City evaluation. City written approval must be obtained for substitutions.

- 100.15 Removals. It is Contractor's responsibility to remove and discard all debris and items obsoleted or otherwise unused at the completion of this project.

## **SECTION 200 – REMODEL WORK**

- 200.01 Removals. See Attachment 1, Removals drawing.  
General: Lighting and electrical outlets/switches by City. Base board heat by City. Fire Control panel by City. All fire sprinkler heads and piping changes by contractor.

Hallways: Remove drinking fountain and cap lines for abandonment. Remove janitor sink (new counter sink planned for location). Remove existing ceiling tile and grid. Temporarily standoff sprinkler heads and HVAC diffusers. Remove vinyl floor base. Vinyl tiles can remain.

Map Room: Remove existing ceiling tile and grid. Temporarily standoff sprinkler heads and HVAC diffusers. Remove vinyl floor base. Vinyl tiles can remain.

Bathroom: Remove all plumbing fixtures, sinks, urinals, toilets, and partitions. Remove shower fire sprinkler head and piping. Remove shower walls and floor. Abandon shower drain. Remove all wall tile. Remove all floor tile. Note, floor to receive epoxy coating, so at some point must be ground smooth. Remove section of floor along east wall to accommodate new floor mounted stools and sewer piping. Approximately 2 x 17 feet, 34 square feet. Floor assumed to be 4 inches thick. Save existing floor drain or plan for new one in that area. Remove floor as necessary to add wash sink, mop sink, and new floor drain sewer piping near center of room, along new divider wall. Distance around 14 feet.

- 200.02 Map Room Remodel. See Attachments 2 & 3, Layout drawing and Notes.  
Fur out walls, new ceiling, new floor. Room is 14 x 16 feet, perimeter 60 feet, area about 224 sqft.

Walls. Existing walls are CMU block. Fur out walls with 20 gauge, 1 5/8 inch metal studs on 16 inch centers, from floor to at least existing ceiling height, which is 94 inches. New ceiling to be same height. Use appropriate sill and top plates. Anchor all to walls. No insulation. Box around 6 inch roof drain pipe. Allow open wall electrical work by City. Finish with 5/8 inch sheet rock. Square returns to existing window and door. Caulk where necessary. Prime and paint with two coats latex. Paint window frame similar to other offices in the building. Color choices by City.

Ceiling. Install a 2x2 foot metal grid suspended acoustical tile ceiling similar to adjacent front offices at same height as existing. About 224 sqft. Reinstall sprinkler heads and HVAC diffusers. Allow City to perform necessary open ceiling electrical work. Install 2x2 foot ceiling tiles. Armstrong 2988 Pebble. Note, all ceiling tile will be the same. Provide one case extra ceiling tiles for spare.

Floor. Prepare floor for proper installation of LVT tiles over existing vinyl tiles. Fill in gaps and feather areas as necessary. Install LVT tiles and vinyl base around perimeter according to product manufacturer's recommendations. VINYL TILE AND COVE BASE MATERIAL PROVIDED BY CITY. Contractor to provide glue and any other necessary materials.

- 200.03 Hallway Remodel. See Attachments 2 & 3, Layout drawing and Notes.  
Fur out walls, add kitchenette with sink, new ceiling, new floor.

Walls. Existing walls are CMU block. Approximate linage of walls to fur out is 178 feet. Fur out walls with 20 gauge, 1 5/8 inch metal studs on 16 inch centers, from floor to at least existing ceiling height, which is 93 inches. New ceiling to be same height. DUE TO EXISTING SEWER, VENT, AND WATER LINES, fur out south end of kitchenette area, about 3 feet, with 18 gauge, 5 1/2 inch wide metal stud system. Use appropriate sill and top plates. Anchor all to walls. No insulation. Allow open wall electrical and plumbing work. Finish with 5/8 inch sheet rock. Square returns to existing door frames. Caulk where necessary. Prime and paint with two coats latex.

Ceiling. Install a 2x2 foot metal grid suspended acoustical tile ceiling similar to adjacent front offices at same height as existing. Approximately 566 sqft. Reinstall sprinkler heads and HVAC diffusers. Allow City to perform necessary open ceiling electrical work. Install 2x2 foot ceiling tiles. Armstrong 2988 Pebble.

Floor. Prepare floor for proper installation of LVT tiles over existing vinyl tiles. Fill in gaps and feather areas as necessary. Fill in existing recessed entry mat. Area approximately 26x38 inches by 1 inch deep. Install LVT tiles and vinyl base around perimeter according to product manufacturer's recommendations. Transition to other rooms as necessary. TILE AND BASE MATERIAL PROVIDED BY CITY. Contractor to provide glue and any other necessary materials.

Kitchenette. Provide and install melamine commercial standard finish laminate lower and upper cabinets as shown in Attachment 4, two pages. Approximately 104 inches long, leaving space for refrigerator. Standard finish laminate preformed countertop with side splash one side, finish strip other side. Provide and install a 20 gauge minimum, 4 hole, 25 x 22 x 8 inch stainless steel drop in sink; single hole, single handle, pull out faucet with escutcheon plate. Cold water line to include provision for future undercounter RO water system. Water lines to include stop valves at all device connection points.

Cabinets: Creative Cabinets Inc., see Attachment 4, two pages.

Sink: Elkay Dayton DSE12522

Faucet: Moen Arbor 7594SRS

- 200.04 Bathroom Remodel. See Attachments 2 & 3, Layout drawing and Notes.  
Fur out walls, add divider wall, tile walls part way up, new ceiling, new epoxy floor, new fixture layout and sink location, add janitor's closet, mop sink, and floor drain. Existing walls are CMU block. Existing ceiling is 115 inches, 9 ft 7 in.

Floor. See removals section. Place new sewer lines and two stool bases along east wall. Connect to existing sewer lines. Retain existing east floor drain or provide new one. Alter or add sewer vents as necessary. Place new sewer plumbing for new west floor drain, mop sink, and wash basin at appropriate location and connect to existing sewer or new sewer piping. Add vent as necessary. New roof penetration is acceptable. As an option, run hot and cold water lines below grade to new sink locations. A second option is to run water lines overhead. Insulate water lines appropriately. Pack all open subgrade areas with sand to allow for 4 inch concrete floor. Tie all new concrete floor areas to surrounding with 12 inch dowels on 18 inch centers, 6 inches imbedded and 6 inches protruding. Pour 6 sack minimum concrete, 4 inches thick, level with existing floor and similar finish. Note, entire floor to receive epoxy coating.

Floor Coating. See example in Attachment 5, 5 pages.

Follow any and all product manufacturer's requirements for proper floor preparation, conditions, and installation. Allow time for new concrete to properly set up. Grind entire floor as necessary to accommodate proper installation of epoxy floor system. Fill in cracks, gaps, etc. and feather areas as necessary for epoxy. Provide and install built up epoxy floor system, approximately 1/8 inch thick throughout bathroom, locker room, and janitor's closet. System to be durable, slip resistant, and easy to maintain. Coat entire flat floor, no cove bases. Install vinyl cove base in locker room. Janitor's closet FRP panels to floor. Bathroom walls ceramic tile to the floor.

Example Coating: Sherwin-Williams Resuflor Deco Quartz BC23. See Attachment 5.

New Walls. Build 4 x 5 foot, inside dimensions, janitor closet from floor to at least new ceiling height of 9 feet. Frame openings for standard 3068 metal frame door and 16 x 8 wall vent as shown. Vent near ceiling. South wall can remain existing CMU block. Divide remainder of room with 7 ft 6 in high framed wall, about 11 ft 6 in long. Frame opening for standard 3068 metal frame door at north end. See door section. Frame these walls with 18 gauge, 3 5/8 inch wide metal stud system on 16 inch centers. Use appropriate sill and top plates. Anchor to floor and walls. No insulation. Allow open wall electrical work by City. Plumb hot and cold water lines to sink locations. Plumb sewer piping. Note, acceptable option is to run water lines in open floor trench. See floor section above.

Finish locker room sides with 5/8 inch blueboard sheet rock. Prime and paint with two coats latex. Finish bathroom side with 5/8 inch blueboard sheet rock, primer, and prepare for ceramic tile. See tile section below. Finish new janitor closet interior walls with 5/8 inch blueboard sheet rock, then cover all, including CMU wall with white beaded FRP panels, floor to ceiling. Use appropriate trim pieces. Cut out for vent.

Furred Walls. Existing walls are CMU block. Fur out east, bathroom fixture wall, about 17 feet, with 18 gauge, 3 5/8 inch wide metal stud system on 16 inch centers. This larger furring stud will accommodate new plumbing. Fur out north, south, and west walls, about 70 feet, with 20 gauge, 1 5/8 inch metal studs on 16 inch centers. All from floor to new proposed ceiling height of 9 feet. Use appropriate sill and top plates. Frame around 4 HVAC wall openings. Anchor all to walls. No insulation. Allow open wall electrical and plumbing work. Finish with 5/8 inch blueboard sheet rock. Square returns to existing door frames. Caulk where necessary. In locker room: prime and



paint with two coats latex. In bathroom: prime all and prepare bottom 6 feet for wall tile. Paint remainder about 3 feet wide strip around perimeter top with two coats latex. Four new HVAC wall diffusers provided and installed by City.

Doors. Provide and install two 3068 doors to closely match existing in style, color, and hardware, but with lower louvered section. Fire rating not required. 16 gauge hollow metal frame with ball bearing hinges, closing hardware, and solid core oak flush doors with 24 x 12 inch gray louvers near bottom and kick plates. For janitor's closet, Schlage mortise entry handle with key. For locker room, push/pull set. Paint frames with two coats latex. Stain doors to match existing or purchase prefinished.

Ceiling. Install a 2x2 foot metal grid suspended acoustical tile ceiling similar to adjacent front offices at a height of 9 feet. Approximately 434 sqft. Reconfigure sprinkler heads to be below drop ceiling or extend out into room above new ceiling. Allow City to perform necessary open ceiling electrical work. Install 2x2 foot ceiling tiles. Armstrong 2988 Pebble.

Bathroom Wall Tile. Provide and install 12 x 24 inch ceramic tile on all bathroom walls, not locker room, from floor to 6 feet high, approximately 325 sqft. Figure on two different tiles to make a pattern or a decorative strip for aesthetics. Utilize trim pieces and bullnose or jolly edge strip as appropriate. Utilize premix grout, not needing seal. Grout line 1/8 inch maximum. For bidding purposes figure on average tile cost of \$7 per square foot. Actual tile choices by city after bid award. Provide minimum 8 extra main tiles and 3 accent tiles for spare.

Example main tile: Daltile Perpetuo 12 x 24 Flat Wall Tile, with Jolly edge.

Example accent tile: Single row Daltile Perpetuo 12 x 24 Wave Wall Tile.

(examples obtained from Floor to Ceiling, Grand Island, NE)

Bathroom Fixtures. Provide and install 2 floor mounted white porcelain 1.6 gpf bowl/tank gravity stools with manual flush handles. One stall to be ADA compliant with all required grab bars and the like, material stainless steel. Both stools elongated, comfort height with open front seats. Provide and install 2 wall mounted white porcelain 1.0 gpf urinals with manual flush valves. One urinal at ADA height. Run all water lines and provide stop valves at each stool. Bathroom layout as shown has preliminary approval for ADA compliance by City Building Department, but final approval contractor's responsibility.

Provide and install all bathroom partitions as shown. 1 inch thick, solid plastic HDPE. Color choice by City. Stalls floor anchored, overhead braced, standard heights. Urinal partition 48 inch wall mounted.

Provide and install 36 inch semicircular stainless steel 3 station ADA wash basin, wall mounted, hand button activated, thermostatic mixing valve, with integral soap dispenser and stainless steel backsplash. Order with drain system as required for new plumbing. Provide and install 24 inch square molded stone mop sink and faucet.

Partitions: ASI Accurate, Solid Plastic HDPE

Toilet: American Standard Cadel Pro 3517A/4188A, with 5901100 seat.

Urinal: American Standard Washbrook 6590001, with Sloan Regal 3082675.

Wash: Bradley Sentry SN2023-STD-AST4-LSD-TMA-BS.

Mop: Fiat MSB 2424.  
Faucet: Chicago 897-RCF.

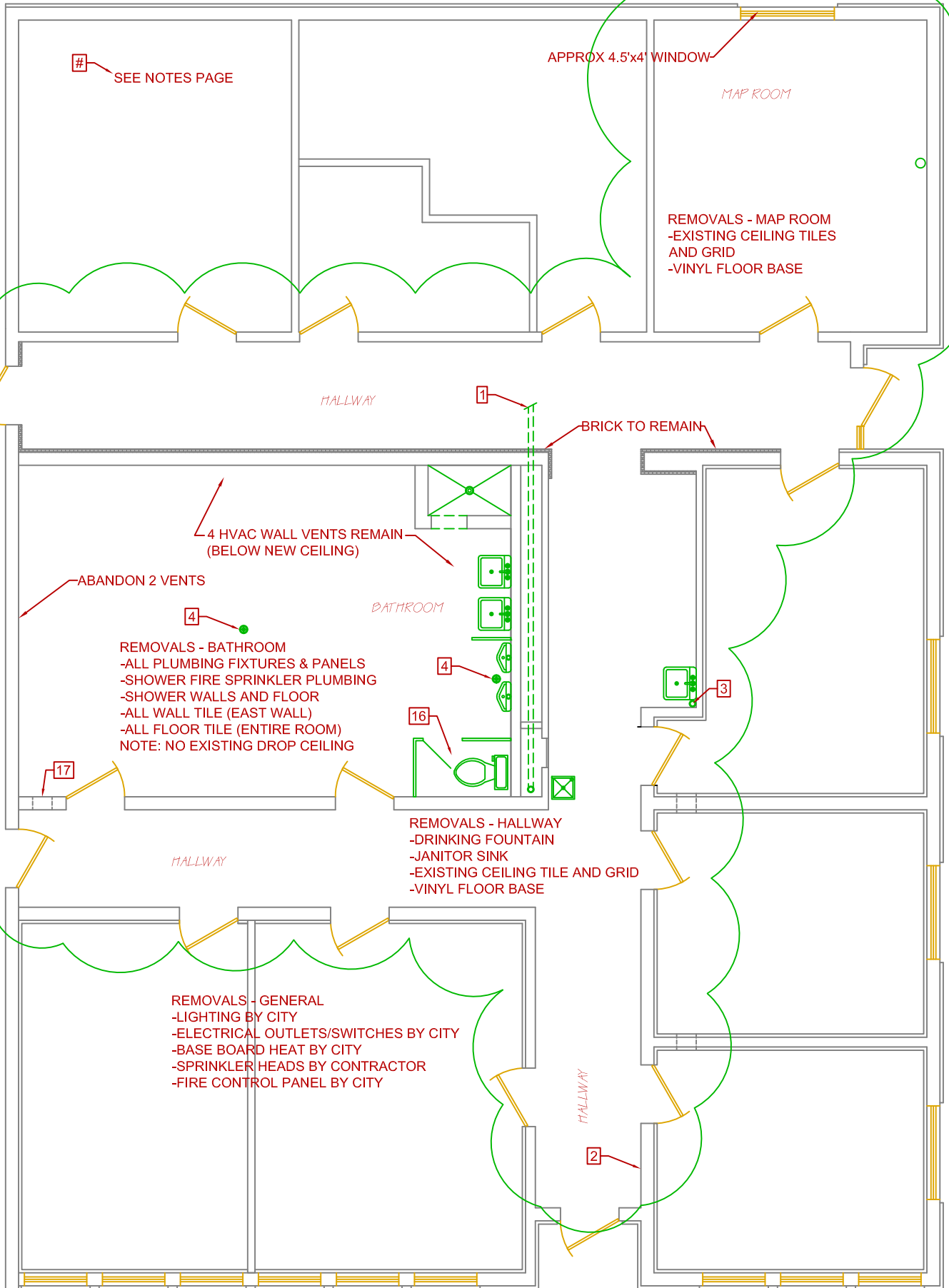
200.05 Close out. Function test all devices and provide the City product manuals, including any maintenance recommendations and requirements. Provide all warranty information. Perform final cleaning of entire project area and make ready for use.

END OF SECTION F

## **SECTION G**

### **ATTACHMENTS**

- 1. Removal drawing.**
- 2. New layout drawing.**
- 3. New layout notes.**
- 4. Creative Cabinets sketch and spec (2 pages).**
- 5. Sherwin-Williams Resuflor System Guide (5 pages).**





**GENERAL:**

- Electrical and lighting by City
- Vinyl floor and vinyl base provided by City, installed by contractor.
- All furred out walls 1  $\frac{5}{8}$  INCH metal stud system unless noted.

**NOTES**

1. Existing in floor sewer line.
2. Existing Fire Control Panel to be moved by City.
3. Existing water line, sewer inlet, and vent for mop sink.
4. Existing floor drain.
5. Box around existing roof drain.
6. Fill in recessed entry mat. About 26x38 inches.
7. Fur wall out wide enough to cover existing sewer pipe.
8. Upper and lower cabinets with sink, by contractor.
9. Standard 3  $\frac{5}{8}$  inch metal stud walls, floor to ceiling.
10. 5x6 foot ADA stall and remainder of bathroom layout preliminarily approved by City Building Dept.
11. Saved floor drain or new.
12. Pipe chases to be abandoned and closed in.
13. 7ft 6in high divider wall.
14. New floor drain.
15. 16x8 inch louvered air vent. Fixed return air type register both sides of wall.
16. Ceiling exhaust fan. Relocated by City.
17. High wall vent from hallway remains. (Above new ceiling).

**FINISHES:**

**MAP ROOM AND HALLWAY**

- Painted sheetrock walls
- Painted window frame
- Vinyl tile floor
- 2x2 drop ceiling

**LOCKER ROOM**

- Painted sheetrock walls
- Epoxy floor with vinyl cove base
- 2x2 drop ceiling
- Louvered oak door with metal frame

**JANITOR'S CLOSET**

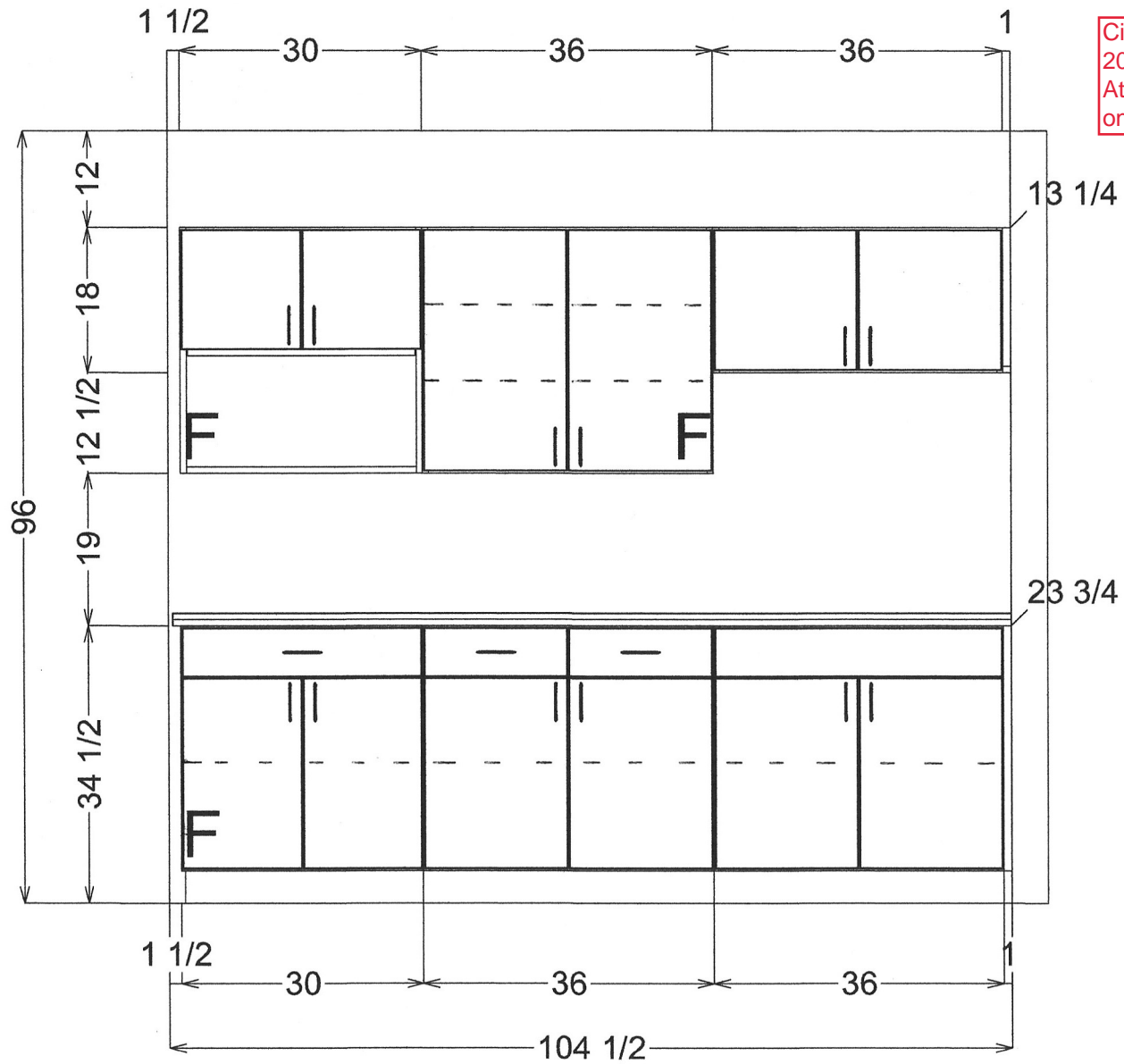
- FRP paneled walls
- Epoxy floor
- 2x2 drop ceiling
- Louvered oak door with metal frame

**BATHROOM**

- Walls sheetrock base, ceramic tile up 6 feet, painted above
- Epoxy floor
- 2x2 drop ceiling



City of Grand Island  
 2022 Line Shop Remodel  
 Attachment 4. (example  
 only)



**CREATIVE CABINETS**

630 E 5TH STREET  
 GRAND ISLAND, NEBRASKA 68801  
 (308) 382-4136

Client: Jeff Mead

Description: Default

Approved by:

Date: 06/29/22

Job Number: GIUD

Sheet 1 of 1

# SPEC COVER SHEET

6/29/2022

**PROJECT: GRAND ISLAND UTILITIES DEPARTMENT**

## **GENERAL NOTES:**

1. Cabinet construction shall be flush overlay-custom grade laminate clad cabinets
2. Drawers shall be constructed using a 3-sided epoxy coated steel drawer system with integrated drawer slides and side panels. Drawer bottoms and backs shall be  $\frac{3}{4}$ " particle board with melamine overlay. Drawer fronts shall be  $\frac{3}{4}$ " particle board with plastic laminate on front face and melamine overlay on interior surface
3. All exposed cabinet surfaces shall be finished with plastic laminate. All semi-exposed surface and interiors of closed cabinet units shall have a melamine finish unless note otherwise.

## **MATERIALS:**

Plastic Laminate: Melamine overlay:

**Cabinets:** Wilsonart Laminate, Standard color and finishes

**Edgebanding:** Cabinet bodies 15/16-.018, Doors and Drawers 15/16-3mm , PVC to match laminate

**Countertops:** Wilsonart Laminate, Standard color and finishes , **pre -formed**

## **HARDWARE:**

Wire Pull: 4" Brushed Nickle

Hinges: Blum 120 degree, Full overlay / self closing

Adjustable Shelf Pins: **Heavy Duty Institutional Locking Shelf Support, 5mm pegs spaced 32mm apart vertically, to be used with 3/4"**

Drawers: Grass Zargen Drawer Systems, 100 lb Rated Integrated Metal Drawer Side/Slide System. # 6036-550

Door Silencers: 3M Bumpon





## Interior Finishes

### Concrete Masonry

**Prime Coat:** GP3579A50 - General Polymers 3579A Standard Primer/Binder (Part A) Gray

*Notes: Standard Epoxy Primer/Binder*

250 sqft/gal

6-30 Mils WFT

**1st Broadcast Coat:** GP3561A50 - General Polymers 3561A Epoxy Resin Glaze (Part A) Gray

*Notes: Epoxy Resin Glaze*

140-145 sqft/gal

**1st Broadcast Coat:** GP590F023 - General Polymers ESTS MED BCAST QUARTZ GRAY Gray

*Notes: Solid Color Flake*

.4 Lbs/sqft

140-145 sqft/gal

**2nd Broadcast Coat:** GP3561A50 - General Polymers 3561A Epoxy Resin Glaze (Part A) Gray

*Notes: Epoxy Resin Glaze*

65-70 sqft/gal

**Grout Coat:** GP3746A71 - GP 3746 PEWT A

*Notes: High Performance Epoxy*

100 sqft/gal

10-30 Mils WFT

**2nd Broadcast Coat:** GP590F023 - General Polymers ESTS MED BCAST QUARTZ GRAY Gray

*Notes: Solid Color Flake*

.4 Lbs/sqft

140-145 sqft/gal

**Topcoat:** GP3746A71 - GP 3746 PEWT A

*Notes: High Performance Epoxy*

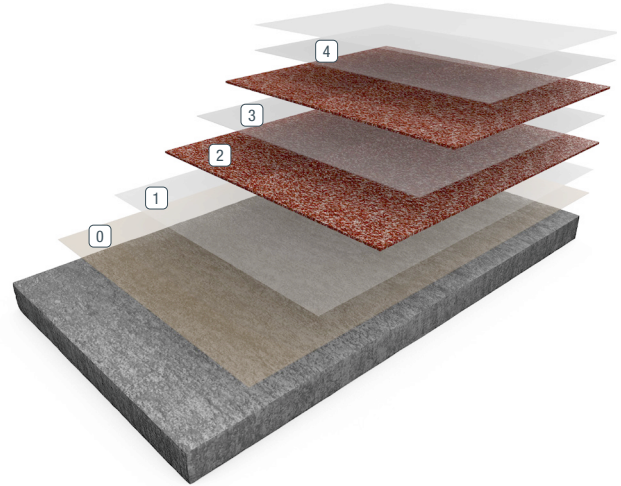
200 sqft/gal

10-30 Mils WFT

## RESUFLO<sup>TM</sup> DECO QUARTZ BC23

### Sherwin-Williams Resuflor Deco Quartz BC23

is a 1/8" system that uses decorative colored quartz aggregates, high-solids epoxy resins, and chemical-resistant grout and topcoats to form a protective surface that is aesthetically pleasing, durable and slip, wear and stain resistant.



### BENEFITS

- Aesthetically pleasing appearance
- Limitless color options
- Durable, wear and slip resistant
- Chemical and stain resistant
- Fiberglass scrim optional for maximum tensile strength and crack isolation
- Optional waterproofing and/or membrane
- Available with an antimicrobial agent
- Can be applied vertically (integrated cove base)
- LEED® v4 compliant

### USES

- Commercial kitchens (areas where temperature will not exceed 160°F in service)
- Animal care
- Clean rooms
- Pharmaceuticals
- Locker and restrooms
- Packaging and storage areas

- ① Primer
- ② First Broadcast
- ③ Second Broadcast
- ④ Grout Coat
- ⑤ Topcoat

### TYPICAL PHYSICAL PROPERTIES

Color	Pre-Blended Standard Colors Custom Color Blends Available
<b>Hardness @ 24 hours, Shore D</b> ASTM D 2240	70/65
<b>Compressive Strength</b> ASTM C 579	12,000 psi
<b>Tensile Strength</b> ASTM C 307	2,500 psi
<b>Abrasion Resistance</b> ASTM D 4060, CS-17 Wheel, 1,000 cycles	90-100 mgs lost
<b>Flexural Strength</b> ASTM C 580	4,500 psi
<b>Adhesion</b> ACI 503R	300 psi concrete failure
<b>Flammability</b>	Self-Extinguishing over concrete
<b>Resistance to Elevated Temperatures</b> MIL-D-3134J	No slip or flow at required temperature of 158°F
<b>Impact Resistance</b> MIL-D-3134J	Withstands 16 ft lbs without cracking, delamination or chipping

## INSTALLATION

Sherwin-Williams High Performance Flooring materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the Resuflo Deco Quartz BC23. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

### SURFACE PREPARATION — GENERAL

Sherwin-Williams systems can be applied to a variety of substrates if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Sherwin-Williams Technical Service Department prior to starting the project. Refer to Surface Preparation Form G-1.

### SURFACE PREPARATION — CONCRETE

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile equal to CSP 4-6. Refer to Form G-1. After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

## TEMPERATURE

Throughout the application process, substrate temperature should be 50-90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen off gassing. The material should not be applied in direct sunlight, if possible.

## APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3579	2:1	250 sq. ft. / gal	3 or 15 gals
<50 g/L 0	1st Broadcast	3561 5900F	4:1 To Excess	140-145 sq. ft. / gal .4 lbs. / sq. ft.	1.25-25 gals 50 lb. bag
<50 g/L 0	2nd Broadcast	3561 5900F	4:1 To Excess	65-70 sq. ft. / gal .4 lbs. / sq. ft.	1.25-25 gals 50 lb. bag
<100 g/L	Grout Coat	3746	2:1	100 sq. ft. / gal	3 or 15 gals
<100 g/L	Topcoat	3746	2:1	200 sq. ft. / gal	3 or 15 gals

For additional topcoat options, consult the Sherwin-Williams Topcoat Selection Guide or contact your Sherwin Williams representative.

## PRIMER

### MIXING AND APPLICATION

1. Add 2 parts 3579 A (resin) to 1 part 3579 B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
2. 3579 may be applied via spray, roller or brush. Apply 5-8 mils, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
3. Wait until primer is tacky (usually one hour), before applying the slurry. If primer is not going to be topped within open time, broadcast silica sand into resin lightly but uniformly and allow to cure overnight.

## FIRST BASE COAT (CERAMIC CARPET #400)

### MIXING AND APPLICATION

1. Add 4 parts 3561A (resin) to 1 part 3561B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform.
2. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched squeegee and cross roll with a 3/8" nap roller at a spread rate of 140-145 square feet per gallon.
3. Allow material to self-level 10-15 minutes. Begin evenly seeding the 5900F into wet resin much the same as grass seed is spread. Granules may be spread by hand or mechanical blower but should be broadcast in such a way that the granules fall lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.
4. Allow to cure. (Cure times vary depending on environmental conditions.) Sweep off excess granules with a clean, stiff-bristled broom. Clean granules can be saved for future use. All imperfections such as high spots should be smoothed before the application of the second broadcast.

## SECOND BROADCAST (CERAMIC CARPET #400)

### MIXING AND APPLICATION

1. Add 4 parts 3561A (resin) to 1 part 3561B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform.
2. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched squeegee and cross roll with a 3/8" nap roller at a spread rate of 65-70 square feet per gallon.
3. Allow material to self-level 10-15 minutes. Begin evenly seeding the 5900F into wet resin much the same as grass seed is spread. Granules may be spread by hand or mechanical blower but should be broadcast in such a way that the granules fall lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.

4. Allow to cure for 24 hours. Sweep off excess granules with a clean, stiff-bristled broom. Clean granules can be saved for future use. All imperfections such as high spots should be smoothed before the application of the seal coat.

**NOTE:** 5900F Granule distribution is critical to the success of the application. The deck's finished appearance depends on the manner in which the granules have been applied. In grass seed like fashion, allow the granules to fall after being thrown upward and out. DO NOT THROW DOWNWARD AT A SHARP ANGLE USING FORCE.

## GROUT COAT

### MIXING AND APPLICATION

1. Add 2 parts 3746A (resin) to 1 part 3746B(hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
2. Apply 3746 using a flat trowel or squeegee and backroll with a 1/4" nap roller. Apply at a spread rate of 100 square feet per gallon evenly with no puddles making sure of uniform coverage. Two coats may be required. Take care not to puddle materials and ensure even coverage.
3. Allow to cure. (Cure times vary depending on environmental conditions.)

## TOPCOAT

### MIXING AND APPLICATION

DO NOT PREMIX PART B

1. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
2. Apply 3746 using a flat trowel or flat squeegee and backroll with a 1/4" nap roller at 200 square feet per gallon evenly with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
3. Allow to cure for 24 hours minimum before opening to traffic. Epoxy materials will appear to be cured and "dry to touch" prior to full chemical cross linking. Allow epoxy to cure for 2-3 days prior to exposure to water or other chemicals for best performance.

## CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

## SAFETY PRECAUTIONS

Refer to the SDS sheet before use. Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

## MATERIAL STORAGE

Store materials in a temperature controlled environment (50-90°F) and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

## MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Sherwin-Williams Technical Service Department.

## DISCLAIMER

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication.

Consult [www.sherwin-williams.com/resin-flooring](http://www.sherwin-williams.com/resin-flooring) to obtain the most recent Product Data information and Application instructions.

## WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams.

NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

## THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.

### United States & Canada

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[swflooding@sherwin.com](mailto:swflooding@sherwin.com)