

IOWA DEPARTMENT OF NATURAL RESOURCES
GENERAL INFORMATION AND INSTRUCTIONS TO BIDDERS
FOR
CLEAR LAKE STATE PARK BEACH SIDE RESTROOM REPAIRS
DNR PROJECT NUMBER: 23-03-17-11
COMPETITIVE QUOTATION

Please read and familiarize yourself with all of these Instructions before preparing your proposal.

1. In order to be considered a responsible and responsive bidder, ALL of the information requested on the proposal form, located at the end of these instructions, must be completed and received by the Iowa Department of Natural Resources by **OCTOBER 23rd, 3:00PM. If you are signing on behalf of a corporation include your title in the signature line.** Keep a copy of the proposal as your record of your submitted proposal.
2. Email your proposal to constructionbids@dnr.iowa.gov. All proposals must be submitted electronically. No paper proposals will be accepted. Include the following information in the subject line: Project Number, Project Name, Bid Letting Date and Time.

Contact for the competitive quotation process is as follows:

Darin Galbraith, Procurement Specialist
constructionbids@dnr.iowa.gov
515-344-0055

Contact for questions on plans and specifications is as follows:

Brian Phipps, Architect
6200 Park Avenue, Ste. 200
Des Moines, Iowa 50321
Brian.phipps@dnr.iowa.gov
515-452-9438

3. DO NOT alter the proposal with alternates, qualifications, reservations, or stipulations. If the bid is not a lump sum clearly identify unit prices because they will prevail. (See Article 4.)
4. Your proposal will be audited, extensions and totals verified, and notification of decision of award will be made promptly after the closing date for receipt of proposals shown above. The lowest responsive, responsible bidder will be eligible for award of a subsequent contract. The DEPARTMENT reserves the unconditional right not to award a contract for the project described in these instructions and related attachments.
5. Both successful and unsuccessful bidders will be notified of the result of the bidding. If you are the successful bidder, an award letter and contract documents will be sent to you with detailed instructions for completion. By submitting a proposal, you agree and understand that acceptance of your proposal by the DEPARTMENT constitutes a binding agreement to enter into a contract and that the offer contained in your proposal shall be valid for a period of 45 days from the deadline for submission of proposals.

**IOWA DEPARTMENT OF NATURAL RESOURCES
MINOR CAPITAL IMPROVEMENT CONTRACT**

AGREEMENT, entered into between the Iowa Department of Natural Resources, an agency of the State of Iowa, hereinafter called the DEPARTMENT, and

Name: _____
Address: _____
Address: _____
City, State, Zip: _____
Phone: _____
E-Mail Address: _____
Contact Person: _____

hereinafter called the CONTRACTOR.

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the parties mentioned above, the CONTRACTOR agrees with the DEPARTMENT, to commence and complete the project described as follows and collectively referred to as the Project:

This project will address maintenance and repair work needed on the Beach Side Restroom Building in Clear Lake State Park. Exterior improvements and repairs include but may not be limited to new standing seam metal roof, sanding and refinishing of wood fascias, beams, columns and soffits, replacement of exterior door slabs and hardware, replacement of outdoor shower tower unit, cleaning of concrete walk surfaces and split-faced block walls, removal and replacement of sealant joints in walk surface and at building perimeter, removal of drinking fountain and install of new bottle filler, new lighting and photo sensor. Interior improvements and repairs include repair, cleaning and finishing of clay tile floors, replacement of vanity countertops and back splashes, replacement of over-mount lavatories, replacement of scald guards, replacement of grab bars, soap dispensers, mirrors, and hand dryers, cleaning and painting of all block walls, repairing, cleaning and refinishing all wood wall and ceiling surfaces, replacement of urinal and components.

Located at: Clear Lake State Park, 5999 South Shore Court in Clear Lake, Cerro Gordo County, Iowa, for the sum of \$_____. This contract supersedes all prior contracts or agreements between the DEPARTMENT and the CONTRACTOR for the work described in this contract. The Project is more thoroughly and specifically described in Article 2, Scope of Work, of this contract.

ARTICLE 1 - DEPARTMENT REPRESENTATIVE

The representative of the DEPARTMENT shall be Ken Howe – Field Engineer, 319-240-3553 and all communications from the CONTRACTOR should occur thereto. However, any modifications or payments must be approved by the highest-level signatory for the DEPARTMENT, as described on the signature page.

ARTICLE 2 - SCOPE OF WORK

The CONTRACTOR shall furnish, at his own proper cost and expense, all materials, equipment, labor, insurance, and other accessories and services necessary to complete, in a workmanlike manner, ready for continuous operation, the above-mentioned project. The work shall be performed in accordance with the requirements and provisions of the following documents, all of which are made a part hereof and collectively evidence and constitute the contract:

- CONTRACTOR's Proposal attached as Attachment A.
- Drawing Sheets A001 through A401 and Project Specifications (Attachment B).

It is intended that the specifications and plans, which include the Description of the Project on the first page of this Contract and supplemented as may be necessary by the DEPARTMENT, shall provide for the completion of the work specified herein.

The omission of specific reference to any minor items of material or work reasonably necessary to provide a complete project, will not release the CONTRACTOR from the responsibility of furnishing or doing the items omitted.

The CONTRACTOR shall leave the site free and clean of all construction equipment, materials, and rubbish. The CONTRACTOR shall replace any defective material or workmanship in the construction at no cost to the DEPARTMENT, and shall guarantee the construction for a period of one year from the date of the Department's final acceptance.

ARTICLE 3 - TIME OF COMMENCEMENT AND COMPLETION

The time of commencement of work under this contract shall be within a reasonable period of time after the preconstruction conference as approved by the Department. The date of completion of the work under this contract shall be: **May 15th, 2026**.

ARTICLE 4 - BASIS OF PAYMENT

The DEPARTMENT shall make payment within 30 days of receipt of a payment request which is approved as payable by the Department, on this contract as is indicated below, by one of the following methods:

1. Lump Sum Basis- This section is not applicable to this contract. Except for adjustments as provided for herein, the DEPARTMENT shall pay to the CONTRACTOR, for the performance of work, the lump sum of \$_____, hereinafter called the Contract Sum. The Contract Sum shall be equitably adjusted to cover changes in the work ordered by the DEPARTMENT, but not shown on the drawings or required by the specifications. Such increases or decreases in the Contract Sum shall be determined by agreement between the DEPARTMENT and the CONTRACTOR.
2. Unit Price Basis- This section is applicable to this contract. The DEPARTMENT shall pay to the CONTRACTOR the unit price amount stated with respect to each item of work on the attached schedule for the total number of units each item of work completed. The number of units shown on the attached schedule is approximate only, and the final payment shall be made for the actual number of units that are incorporated into or made necessary by the work covered by this contract. Should the number of units of completed work of any individual item shown on the attached schedule vary by more than twenty percent (20%) from the number of units stated, either the DEPARTMENT or the CONTRACTOR may request a revision of the unit price for the item so affected, but such changes shall not exceed 10% of the total Contract amount. Both parties agree that under such conditions an equitable revision of the price shall be made. Changes that cannot be classified under any of the contract units may be performed at mutually agreed upon unit prices, or on a lump sum basis.

The Department, under this Contract, shall reserve the right to withhold up to 5% consistent with Iowa Code Chapter 573. The Contractor may invoice the Department only for work completed. If the work extends over a period of more than one month, the DEPARTMENT may, upon request by the CONTRACTOR, make written estimates of the value of materials complete in place and the work performed. Estimates shall be on a monthly basis or on a longer period of time mutually agreed upon. No estimate, except the final estimate, shall be for less than five hundred dollars (\$500). The estimates shall be figured at the contract unit prices for contracts on a unit price basis or on a mutually agreed upon percentage of the total work completed for contracts on a lump sum basis. Each estimate shall be filed in the form of a claim against the DEPARTMENT. Estimates are approximate only, and shall be subject to correction in the first estimate rendered following the discovery of an error in any previous estimate. Should a reasonable doubt arise as to the integrity of any part of the work completed prior to the final acceptance and payment, the department will deduct from the first estimate rendered, after the discovery of such work, an amount equal in value to the defective or questioned work. Further, such work will not be included in a subsequent estimate until the defects have been remedied or the causes for doubt removed. Within a reasonable period of time after satisfactory completion of the project, a final inspection of the work will be made by the DEPARTMENT to determine compliance with the contract, plans and specifications, and to submit a final estimate. All prior partial estimates and payments shall be subject to correction in

the final estimate and payment. The CONTRACTOR shall sign the final estimate form acknowledging acceptance of the amount stated.

Final payment shall be made as soon as possible following the expiration of statutory time for filing claims, or following adjudication or release of claim against the amount withheld. Earlier requirements for the submission of the Iowa Department of Revenue Contractor's Statement of Sale and Use Tax (see ARTICLE 20), prior to final payments, are no longer in effect.

ARTICLE 5 - LIQUIDATED DAMAGES

Time is an essential element of the contract and it is important that the work be completed by the deadline. For each calendar day that any work shall remain uncompleted after the end of the contract period, number of working days allowed, or any extension granted, the amount per calendar day specified in the proposal form will be assessed, not as a penalty, but as predetermined and agreed **liquidated damages**.

The **CONTRACTOR** hereby agrees that **liquidated damages** in the amount of \$200.00 shall be retained or assessed against the **CONTRACTOR** for each day and every day the completion of the work is delayed beyond the time specified herein, not as a penalty, but as a mutually agreed to, predetermined amount to reimburse the **DEPARTMENT** for salaries and related expenses of directly involved staff and reviewers, interest charged during the period for delays and loss of use.

The **DEPARTMENT** will prepare and forward to the Contractor a Change Order to account for such **liquidated damages**. The final payment will be withheld until payment shall have been made consistent with this assessment of **liquidated damages** based only on the number of calendar days required to complete the work in excess of the completion date, plus authorized extensions thereto. This provision for the assessment of **liquidated damages** for failure to complete work within the contract period does not constitute a waiver of the **DEPARTMENT'S** right to collect any additional damages other than time delays which the **DEPARTMENT** may sustain by failure of the Contractor to carry out the terms of the contract.

If the Contractor fails to complete the work within the contract periods or any extension thereof, upon written notice to the Contractor and surety, said contract shall be in default. The **DEPARTMENT** may, at its option, permit the Contractor or the Contractor's surety to complete the work included in the contracts or may proceed to complete the work. In either event, the Contractor or the Contractor's surety shall be responsible for all costs incident to the completion of the work, and also for the **liquidated damages** stipulated in the proposal form. The **DEPARTMENT** may waive such portion of the liquidated damages as may accrue after the work is in condition for safe and convenient use by the public.

ARTICLE 6 - PERMITS

In addition to other permits that may be required for the **CONTRACTOR** to conduct its business in the state of Iowa, the **CONTRACTOR** shall apply for, pay for and obtain prior to commencing work under this contract a NPDES Stormwater Discharge Permit (DNR's General Permit No. 2) for Construction Operation, as required by EPA regulations, for any land-disturbing activity which will disturb an area of one or more acres. The permits shall be readily available for inspection at all times. Permits are available from the DNR Storm Water Coordinator, Wallace State Office Building, Des Moines, Iowa, 50319. (Tel. (515) 725-8417.)

The **CONTRACTOR** shall be required to apply for, pay for and obtain all permits required by law prior to commencing work under this contract.

ARTICLE 7 - PERFORMANCE BOND

In compliance with Chapter 573 of the Code of Iowa, contracts shall, when the contract price equals or exceeds twenty-five thousand dollars, be accompanied by a bond, with surety, conditioned for the faithful performance of the contract. The amount shall be not less than one hundred percent (100%) of the contract price. The bond shall be executed on the standard form supplied by the **DEPARTMENT**. The bond, if required, shall be executed by the **CONTRACTOR** and by a surety authorized to do business in the State of Iowa and shall be incorporated by this reference.

ARTICLE 8 - CONTRACTOR'S INSURANCE

The CONTRACTOR'S current certificate of liability and property damage insurance shall be filed with the DEPARTMENT prior to the execution of the contract and shall be maintained at such amounts throughout the prosecution of the work and until final acceptance and completion of the contract. The minimum coverage by such insurance shall be as follows:

Public Liability Insurance

Per Person \$250,000.

Each Occurrence \$500,000.

Property Damage Insurance

Each Occurrence \$250,000.

ARTICLE 9 - TERMINATION

9.1 The DEPARTMENT shall have the right to cancel any or all items from the contract and may terminate this contract immediately for any of the following reasons effective immediately without advance notice:

- A) In the event the CONTRACTOR is required to be certified or licensed as a condition precedent to providing services, the revocation or loss of such license or certification will result in immediate termination of the contract effective as of the date on which the license or certification is no longer in effect;
- B) The DEPARTMENT determines that the actions, or failure to act, of the CONTRACTOR, its agents, employees or subcontractors have caused, or reasonably could cause, a person's life, health or safety to be jeopardized;
- C) The CONTRACTOR fails to comply with all laws, regulations, ordinances and orders related to the execution of this contract or the completion of the Project;
- D) The CONTRACTOR furnished any statement, representation or certification in connection with this contract or its related bidding documents which is materially false, deceptive, incorrect or incomplete.
- E) The CONTRACTOR breaches the contract;
- F) The CONTRACTOR becomes the subject of any bankruptcy or insolvency proceeding;
- G) The CONTRACTOR has otherwise engaged in conduct that has or may expose the State or the DEPARTMENT to liability, as determined in the DEPARTMENT's sole discretion;
- H) The DEPARTMENT determines that continuation of completion of the work is not in the public's interest; and
- I) The DEPARTMENT determines that the occurrences of any of the actions or inactions in subparagraphs (A) through (G) above, unforeseen circumstances, unanticipated design changes, or other reasons beyond the control of the CONTRACTOR would prevent or unreasonably delay completion of the contract.

If there is a default event caused by the CONTRACTOR as described above, the DEPARTMENT may either provide written notice to the CONTRACTOR requesting that the breach or noncompliance be remedied within the period of time specified in the DEPARTMENT's written notice to the CONTRACTOR, or may terminate the contract in whole or in part, without the payment of any penalty or incurring any further obligation to the CONTRACTOR.

9.2 Termination Due to Lack of Funds or Change in Law. The DEPARTMENT shall have the right to terminate this contract without penalty by giving thirty (30) days written notice to the CONTRACTOR if, in the DEPARTMENT's sole discretion, adequate funds are not appropriated or granted to allow the DEPARTMENT to operate as required and to fulfill its obligations under this contract or funds are de-appropriated; if funds are de-appropriated, reduced, not allocated, or receipt of funds is delayed, or if any funds or revenues needed by DEPARTMENT to make any payment hereunder are insufficient or unavailable for any other reason as determined by the DEPARTMENT in its sole discretion; if the DEPARTMENT's authorization to conduct its business or engage in activities or operations related to the subject matter of this contract is withdrawn or materially altered or modified; if the DEPARTMENT's duties, programs or responsibilities are modified or materially altered; or if there is a decision of any court, administrative law judge or an arbitration panel or any law, rule, regulation or order is enacted, promulgated or issued that materially or adversely affects the DEPARTMENT's ability to fulfill any of its obligations under this contract.

9.3 The CONTRACTOR's Termination Duties. The CONTRACTOR upon receipt of notice of termination or upon request of the DEPARTMENT, shall cease work under this contract and take all necessary or appropriate steps to limit disbursements and minimize costs, and furnish a report within thirty (30) days of the date of notice of termination, describing the status of all work under the contract, including, without limitation, work completed, materials delivered and any other matters the DEPARTMENT may require; shall immediately cease using and return to the DEPARTMENT any personal property or materials, whether tangible or intangible, provided by the DEPARTMENT to

the CONTRACTOR; and shall comply with the DEPARTMENT's instructions for the timely transfer of any materials provided by the CONTRACTOR under this contract. Material paid for pursuant to section 9.4 shall become the property of the DEPARTMENT and shall be disposed of as directed by the DEPARTMENT.

9.4 Following termination, the CONTRACTOR shall be entitled to compensation, upon submission of invoices and proper proof of claim, for services provided under this contract to the DEPARTMENT up to and including the date of termination. For finished portions of items canceled, the CONTRACTOR will be paid at the contract unit prices. For materials ordered and delivered for the unfinished portion of such canceled or omitted items, the DEPARTMENT will pay cost plus five percent as an overhead charge. The CONTRACTOR'S expense for work of handling or transporting such material shall be included in computing the cost. The DEPARTMENT will also pay any actual expenses sustained by the CONTRACTOR by reason of such cancellation or omission and not represented by work completed or material delivered. In computation of material cost or expenses sustained, no anticipated profit will be included.

ARTICLE 10 - INDEMNIFICATION

The CONTRACTOR agrees to indemnify and hold harmless the State and its officers, appointed and elected officials, board and commission members, employees, volunteers and agents (collectively the "Indemnified Parties"), from any and all costs, expenses, losses, claims, damages, liabilities, settlements and judgments (including, without limitation, the reasonable value of the time spent by the Attorney General's Office, and the costs, expenses and attorneys' fees of other counsel retained by the Indemnified Parties directly or indirectly related to, resulting from, or arising out of this contract, including but not limited to any claims related to, resulting from, or arising out of: any breach of this contract; any negligent, intentional or wrongful act or omission of the CONTRACTOR or any agent or subcontractor utilized or employed by the CONTRACTOR; the CONTRACTOR's performance or attempted performance of this contract, including any agent or subcontractor utilized or employed by the CONTRACTOR; or any failure by the CONTRACTOR to make all reports, payments and withholdings required by federal and state law and which are required by the CONTRACTOR to conduct business in the State of Iowa. The CONTRACTOR's duties and obligations under this section shall survive the termination of this contract and shall apply to all acts or omissions taken or made in connection with the performance of this contract regardless of the date any potential claim is made or discovered by the DEPARTMENT or any other Indemnified Party.

ARTICLE 11 - WARRANTY

The CONTRACTOR shall warrant that the work, for a period of one year from the date of final acceptance by the DEPARTMENT, shall remain free from all defects in workmanship and material and that it will comply with the requirements of this contract governing the work. It is understood and agreed that in the event of defects and the necessity of making repairs to the work during the warranty period, the DEPARTMENT will notify the CONTRACTOR and provide a reasonable time to the CONTRACTOR to make such repairs. The CONTRACTOR shall submit all notices of guarantees, warranties and certificates complying with this section prior to final payment being made.

ARTICLE 12 - RIGHT TO REVIEW AND OBSERVE; ACCESS TO RECORDS

The DEPARTMENT shall have the right to review and observe, at any time, completed work or work in progress related to the contract. The CONTRACTOR shall permit the DEPARTMENT or its agents to access and examine, audit, excerpt and transcribe any directly pertinent books, documents, reports, papers and records of the CONTRACTOR relating to orders, invoices, or payments or any other documentation or materials pertaining to this contract. Upon the request of the DEPARTMENT, the CONTRACTOR shall deliver to the DEPARTMENT or its agents said documentation or materials.

ARTICLE 13 - PUBLIC RECORDS; RECORDS RETENTION

All records created pursuant to this contract shall be public records and subject to Iowa Code chapter 22, the Iowa Open Records Law. All records created pursuant to this contract shall be submitted to the DEPARTMENT within 5 business days of its request. All records created pursuant to this contract shall be retained in accordance with the relevant state of Iowa records retention schedule.

ARTICLE 14 - SURVIVAL OF AGREEMENT

If any portion of this contract is held to be invalid or unenforceable, the remainder shall be valid and enforceable.

ARTICLE 15 - GOVERNING LAW

This contract shall be interpreted in accordance with the law of the State of Iowa, and any action relating to the contract shall only be commenced in the Iowa District Court for Polk County or the United States District Court for the Southern District of Iowa.

ARTICLE 16 - COMPLIANCE WITH LAWS

The CONTRACTOR agrees that, during the duration of and as a condition of the DEPARTMENT'S duty to perform under the terms of this contract, it shall be in compliance with all applicable laws and regulations of the state and federal government, including but not limited to Equal Employment Opportunity provisions, Occupational Health and Safety Act, minimum wage requirements, records retention, audit requirements, and allowable costs.

ARTICLE 17 - ASSIGNMENT AND DELEGATION

The CONTRACTOR may not assign, transfer or convey in whole or in part this contract without the prior written consent of the DEPARTMENT. For the purpose of construing this clause, a transfer of a controlling interest in the Grantee shall be considered an assignment. The CONTRACTOR may not delegate any of its obligations or duties under this contract without the prior written consent of the DEPARTMENT.

ARTICLE 18 - WRITING REQUIRED

No change, modification, or termination of any of the terms, provisions or conditions of this contract shall be effective unless made in writing and signed by the parties.

ARTICLE 19 - IMMUNITY FROM LIABILITY

Every person who is a party to the contract is hereby notified and agrees that the State, the DEPARTMENT, and all of their employees, agents, successors, and assigns are immune from liability and suit for the CONTRACTOR's and its subcontractors' activities involving third parties arising from the contract.

ARTICLE 20 - CERTIFICATION REGARDING SALES AND USE TAX

By executing this contract, the CONTRACTOR certifies that it is either (a) registered with the Iowa Department of Revenue, collects and remits sales and use taxes as required by Iowa Code chapter 423; or (b) not a "retailer" or a "retailer maintaining a place of business in this state" as those terms are defined in Iowa Code sections 423.1(42) and (43). The CONTRACTOR also acknowledges that the DEPARTMENT may declare the contract void if the above certification is false. The CONTRACTOR also understands that fraudulent certification may result in the DEPARTMENT filing action for damages for breach of contract.

Upon execution of this contract, an Iowa Construction Sales Tax Exemption Certificate will be available upon request.

ARTICLE 21 - INDEPENDENT CONTRACTOR

The status of the CONTRACTOR shall be that of an independent contractor. The CONTRACTOR, and its employees and agents performing under this contract are not employees or agents of the State or any agency, division or department of the State. Neither the CONTRACTOR nor its employees shall be considered employees of the DEPARTMENT or the State for Federal or State tax purposes. The DEPARTMENT will not withhold taxes on behalf of the CONTRACTOR. The CONTRACTOR shall be responsible for payment of all taxes in connection with any income earned from performing this contract.

ARTICLE 22 - USE OF THIRD PARTIES AND SUBCONTRACTORS

- A) The CONTRACTOR may contract with third parties for the performance of any of Contractor's obligations under this Contract. All subcontractors shall be subject to prior approval by the DEPARTMENT. The DEPARTMENT's consent shall not be deemed in any way to provide for the incurrence of any obligation of the DEPARTMENT in addition to the remuneration agreed upon in this contract;
- B) If the CONTRACTOR utilizes a subcontractor or subcontractors, then the following conditions shall apply: Prior to a subcontractor working on site, the subcontractor(s) name and their Iowa Contractor Registration Number(s) must be provided to the DEPARTMENT;
- C) The CONTRACTOR may enter into subcontracts to complete the work required by this contract provided that the CONTRACTOR remains responsible for all services performed under this contract. Each subcontract shall contain provisions for the DEPARTMENT's access to the subcontractor's books, documents, and records and for inspections

of work, as required of CONTRACTOR herein. No subcontract or delegation of work shall relieve or discharge the CONTRACTOR from any obligation, provision, or liability under this CONTRACT. The CONTRACTOR shall remain responsible for such performance and shall be fully responsible and liable for all acts or omissions of any subcontractor;

- D) All applicable restrictions, obligations and responsibilities of the CONTRACTOR under this Contract also shall apply to the subcontractors;
- E) The DEPARTMENT shall have the right to request the removal of a subcontractor from the contract for good cause. The CONTRACTOR shall indemnify, defend and hold harmless the DEPARTMENT and the State from and against any and all claims, demands, liabilities, suits, actions, damages, losses, costs and expenses of every kind and nature whatsoever arising as a result of CONTRACTOR's breach of any subcontract in which it enters, including the CONTRACTOR's failure to pay any and all amounts due by CONTRACTOR to any subcontractor;
- F) Any action of a subcontractor, which, if done by CONTRACTOR, would constitute a breach of this contract, shall be deemed a breach by the CONTRACTOR and have the same legal effect; and
- G) If delay results from a subcontractor's conduct, from the CONTRACTOR's negligence or fault, or from circumstances which by the exercise of reasonable diligence was reasonably foreseeable, then the CONTRACTOR shall be in default and Article 23, "Delay or Impossibility of Performance," shall not be applicable.

ARTICLE 23 - DELAY OR IMPOSSIBILITY OF PERFORMANCE

The CONTRACTOR shall not be in default under this contract if performance is delayed or if CONTRACTOR may not reasonably perform the contract due to an act of God. In each such case, the delay or impracticability must be beyond the reasonable control and anticipation of the CONTRACTOR, and without the fault or negligence of the CONTRACTOR. If delay results from a subcontractor's conduct, from the CONTRACTOR's negligence or fault, or from circumstances which by the exercise of reasonable diligence the CONTRACTOR should have been able to anticipate or prevent, then the CONTRACTOR shall be in default and this paragraph shall not be applicable. It shall be the responsibility of the CONTRACTOR to prove that performance was delayed or impracticable within the meaning of this paragraph.

This contract is an EXAMPLE of the instrument the successful bidder must sign in order to perform the work under this project.

IN WITNESS WHEREOF, the parties hereto have executed this contract, as of the effective date as specified by the Department below.

FOR THE DEPARTMENT:

Department Signatory, Title

Date:

FOR THE CONTRACTOR:

Legal Name of Company

Signature

Printed Name

Title

Address

Date

Seal, if by a corporation

Iowa Contractor Registration No. _____

**ATTACHMENT A
PROPOSAL**

PROJECT: Clear Lake State Park Beach Side Restrooms Repairs CONTRACT NO.: 23-03-17-11
LOCATION: 5999 South Shore Drive Court, Clear Lake, Iowa 50428

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE*		AMOUNT	
			DOLLARS	CENTS	DOLLARS	CENTS
1	MOBILIZATION	1LS				
2	STANDING SEAM METAL ROOF AND ACCESSORIES	1LS				
3	OUTDOOR SHOWER TOWER	1LS				
4	PLUMBING AND ACCESSORIES	1LS				
5	CONCRETE AND CMU CLEANING	1LS				
6	EXTERIOR PAINTING AND STAINING	1LS				
7	INTERIOR PAINTING AND STAINING	1LS				
8	VENTILATION FAN AND GRILLES	1LS				
9	INTERIOR FLOOR CLEANING/SEALING	1LS				
10	ELECTRICAL AND LIGHTING	1LS				
11	VANITY COUNTERTOPS	1LS				

*Unit Prices Prevail

Proposed Bid Total: \$ _____

By virtue of statutory authority, preference will be given to products grown and coal produced within the State of Iowa.

Signature _____	Date _____	Legal Name of Company _____
Printed Name _____		Street Address _____
Title _____		City, State, Zip Code _____
Iowa Contractor Registration Number _____		Phone No. _____ Fax No. _____
		Email Address _____

Bidder Acknowledges Receipt of Any Issued Addenda (Number and Date): _____

Subcontract Information

Name	Iowa Contractor Registration Number	Email Address

This proposal will be void if not accepted by the owner within 45 days of the deadline for submission of proposals described in the General Information and Instructions to Bidders for this project.

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EPA Project Control Number

United State Environmental Protection Agency
Washington, DC 20460

**Certification Regarding
Debarment, Suspension, and Other Responsibility Matters
EPA Form 5700-49 (11-83)**

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agencies.
- b. Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for the commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- c. Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
- d. Have not within a three-year period preceding this application/proposal had one or more public transaction (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine up to \$10,000 or imprisonment for up to 5 years, or both.

Type Name & Title of Authorized Representative

Signature of Authorized Representative

Date

☐ I am unable to certify to the above statements. My explanation is attached.

Instructions

Under Executive Order 12549, an individual or organization debarred or excluded from participation in Federal assistance or benefit programs may not receive any assistance award under a Federal program, of a sub agreement thereunder for \$25,000 or more.

Accordingly, each prospective recipient of an EPA grant, loan, or cooperative agreement and any contract or sub agreement participant thereunder must complete the attached certification or provide an explanation why they cannot. For further details, see 40 CFR 32.510, Participants' responsibilities, in the attached regulation.

Where to Submit

The prospective EPA grant, loan, or cooperative agreement recipient must return the signed certification of explanation with its application to the appropriate EPA Headquarters or Regional office, as required in the application instructions.

A prospective prime contractor must submit a completed certification or explanation to the individual or organization awarding the contract.

Each prospective subcontractor must submit a completed certification or explanation to the prime contractor for the project.

How to Obtain Forms:

EPA includes the certification form, instructions, and a copy of its implementing regulation (40) CFR Part 32) in each application kit. Applicants may reproduce these materials as needed and provide them to their prospective prime contractors, who, in turn may reproduce and provide them to prospective subcontractors.

Additional copies/assistance may be requested from:

Compliance Branch
Grants Administration Division (PM-216F)
US Environmental Protection Agency
401 M St SW
Washington DC 20460
(Telephone: 202-475-8025)

EPA Region VII Procedures for Implementation of 40 CFR Part 33.240 (Minority Business Enterprise/Women's Business Enterprise)

The following information must be contained in solicitation documents for construction contracts and engineering agreements pursuant to 40 CFR Part 33.240)

Each bidder/offeror must fully comply with the requirements, terms, and conditions of EPA's policy to award a fair share of sub agreements to minority and women's businesses. The bidder/offeror commits itself to taking affirmative steps contained herein. Bidders/offerors will take affirmative steps prior to submission of bid/proposal.

Affirmative Steps

- A. When feasible, segmenting total work requirements to permit maximum MBE/WBE participation.
- B. Assuring that MBEs and WBEs are solicited whenever they are potential sources of goods or services. This step may include:
 1. Sending letters or making other personal contacts with MBEs and WBEs, (e. g. those whose name appear on lists prepared by EPA or the grantee and other MBE/WBEs known to the bidder/offeror.) MBEs and WBEs should be contacted when other potential subcontractors are contacted, within reasonable time (fifteen days) prior to bid submission or closing date for receipt of initial offers. Those letters or other contacts should communicate the following:
 - a. Specific description of the work to be subcontracted;
 - b. How and where to obtain a copy of the drawings and specifications or other detailed information needed to prepare a detailed price quotation;
 - c. Date the quotation is due to the bidder/offeror;
 - d. Name, address, and phone number of the person in the bidder/offeror's firm whom the prospective MBE/WBE subcontractor should contact for additional information.
 2. Sending letters or making other personal contacts with local, state, federal and private agencies and MBE/WBE associations relevant to the project. Such contacts should provide the same information provided in the direct contacts to MBE and WBE firms.
- C. Where feasible, establishing delivery schedules which will encourage participation by MBE and WBEs.

Determination of Compliance

It is to be noted that bidders/offerors must demonstrate compliance with MBE/WBE requirements in order to be deemed responsible. Demonstration of compliance shall include, but is not limited to, the following information:

1. Names, addresses and phone numbers of MBE/WBEs expected to perform the work;
2. Work to be performed by MBEs and WBEs;
3. Aggregate dollar amount of work to be performed by MBEs and WBEs, showing aggregate to MBEs and aggregate to WBEs separately;
4. Description of contacts to MBE and WBE organizations, agencies and associations which serve MBE/WBEs, including names of organizations, agencies and associations and dates of contacts;
5. Description of contacts to MBEs and WBEs, including number of contacts, fields, (i. e. equipment or material supplier, excavator, transport services, electrical subcontractors, plumbers, etc.) and dates of contacts.

All bidders/offerors should complete the Minority and Women's Business Enterprise Utilization Worksheet and submit to the grantee prior to contract award.

(Grantee may establish alternative methods of compliance equivalent to or more stringent than the above.)

MINORITY, WOMEN'S AND SMALL RURAL BUSINESS ENTERPRISE WORKSHEET

Grant Applicant: _____ Project No.: _____

Contractor/Engineer: _____

Address: _____

Contact Person: _____ Telephone No.: _____

Amount of Contract: _____ MBE Percentage: _____ WBE Percentage: _____

1. MBE Subcontractor: _____ WBE: _____

Address: _____

Contact Person: _____ Telephone No.: _____

Amount of Subcontract: _____

Scope of Work: _____

2. MBE Subcontractor: _____ WBE: _____

Address: _____

Contact Person: _____ Telephone No.: _____

Amount of Subcontract: _____

Scope of Work: _____

3. MBE Subcontractor: _____ WBE: _____

Address: _____

Contact Person: _____ Telephone No.: _____

Amount of Subcontract: _____

Scope of Work: _____

4. MBE Subcontractor: _____ WBE: _____

Address: _____

Contact Person: _____ Telephone No.: _____

Amount of Subcontract: _____

Scope of Work: _____

5. MBE Subcontractor: _____ WBE: _____

Address: _____

Contact Person: _____ Telephone No.: _____

Amount of Subcontract: _____

Scope of Work: _____

6. MBE Subcontractor: _____ WBE: _____

Address: _____

Contact Person: _____ Telephone No.: _____

Amount of Subcontract: _____

Scope of Work: _____

Comments: _____

Prepared By _____

Telephone No. _____

Date _____

GUIDANCE FOR MINORITY BUSINESS ENTERPRISE AND WOMEN'S BUSINESS ENTERPRISE REQUIREMENT OF 40 CFR 31.36(e)

I. PURPOSE

This guidance is to assist States, EPA assistance recipients, prime contractors, consultants, minority business owners and women's business owners in complying with EPA's Minority Business Enterprise (MBE) and Women's Business Enterprise (WBE) requirements in the Agency's procurement regulations, 40 CFR Part 31. This guidance provides suggestions for carrying out the affirmative steps included in EPA procurement regulations. Also included is a description of activities to be undertaken by EPA or delegated States, as well as suggestions for MBE/WBEs to take in pursuing opportunities for work in EPA-funded projects.

II. DEFINITIONS

- A. Minority Business Enterprise (MBE): A minority business enterprise is a business which is
1. certified as socially and economically disadvantaged by the Small Business Administration;
 2. certified as a minority business enterprise by a State or Federal agency; or
 3. an independent business concern which is at least 51 percent owned and controlled (as defined below) by minority group member(s). A minority group member is an individual who is a citizen of the United States and one of the following:
 - a. Black American
 - b. Hispanic American (with origins from Puerto Rico, Mexico, Cuba, South or Central America)
 - c. Native American (American Indian, Eskimo, Aleut, native Hawaiian)
 - d. Asian-Pacific American (with origins from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the US Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, Taiwan or the Indian Subcontinent)
- B. Women's Business Enterprise (WBE): A women's business enterprise is a business which is certified as such by a State or Federal agency, or which meets the following definition:

A women's business enterprise is an independent business concern which is at least 51 percent owned by a woman or women who also control and operate it. Determination of whether a business is at least 51 percent owned by a woman or women shall be made without regard to community property laws. For example, an otherwise qualified WBE which is 51 percent owned by a married woman in a community state will not be disqualified because her husband has a 50 percent interest in her share. Similarly, a business that is 51 percent owned by a married man and 49 percent owned by an unmarried woman will not become a qualified WBE by virtue of his wife's 50 percent interest in his share of the business.

- C. Ownership and Control:
1. The minority or women's ownership's interest in the firm must be real, substantial and continuing. Such interest may include:
 - a. risk of loss/share of profit commensurate with the proportional ownership; and
 - b. receipt of the customary incidents of ownership, such as salary and/or intangible benefits.
 2. A minority or woman owner must have and exercise the authority to independently control the business. The minority or woman owner need not be continually present to be deemed in control. Characteristics of control may include:
 - a. authority to sign contracts;
 - b. making decisions in price negotiations;
 - c. incurring liabilities for the firm;
 - d. making final staffing decisions;
 - e. policy-making; and
 - f. making general company management decisions.
 3. Only those firms performing a useful business function according to custom and practice in the industry are qualified as MBEs or WBEs. Acting merely as a passive conduit of funds to some other, non-minority firm

where such activity is unnecessary to accomplish the project the project does not constitute a “useful business function according to custom and practice in the industry.”

- D. Recipient: A party receiving federal financial assistance under an EPA program pursuant to a grant or cooperative agreement.
- E. Project: The scope of work from which a cooperative agreement, grant or grant amendment is awarded.
- F. Bidder: A party seeking to obtain a contract with a recipient through a competitive, advertised, sealed bid process.
- G. Offeror: A party seeking to obtain a contract with a recipient through a negotiated procurement process.

III. RESPONSIBILITIES

- A. Headquarters.
 - 1. The office in charge of the assistance program (program office) has primary responsibility for implementation of the MBE/WBE program, in cooperation with the Office of Small and Disadvantaged Business Utilization (OSDBU).
 - 2. OSDBU is responsible for serving as the Agency focal point for inquiries on the MBE/WBE program, providing explanation of the program and guidance to MBEs and WBEs interested in working on EPA funded projects.
- B. Regional Responsibilities.
 - 1. Provide guidance and advice to recipients as requested.
 - 2. Maintain lists of those MBE and WBE firms which have participated in EPA funded projects. The Region may also add MBEs and WBEs requesting to be included on source lists. Such lists are for information purposes only, and shall carry a clear and prominent statement that the firms listed are neither endorsed nor guaranteed by EPA as bona fide MBE/WBEs. It is not necessary to be on any list in order to qualify as a bona fide MBE/WBE.
 - 3. Monitor recipients for compliance with MBE/WBE requirements and for determining levels of MBE/WBE participation.

IV. RECIPIENT RESPONSIBILITIES

- A. The recipient shall take affirmative steps to contract with MBEs and WBEs and ensure that its contractors and consultants take affirmative steps to contract with MBEs and WBEs during all phases of work funded or to be funded under an EPA assistance agreement. The recipient’s affirmative steps as defined in EPA procurement regulations are the following:
 - 1. When feasible, dividing the total work to be contracted into smaller tasks in the solicitation documents to permit maximum MBE/WBE participation.
 - 2. Placing qualified MBEs and WBEs on solicitation lists of EPA Regional Offices and appropriate minority/women’s business associations and agencies.
 - 3. Assuring that MBEs and WBEs are solicited whenever they are potential sources of service and supplies, for example, by:
 - a. Holding pre-bid conferences, with interested MBEs and WBEs in attendance when possible, to highlight the requirements of this program to prospective bidders;
 - b. Including this MBE/WBE interim guidance in requests for proposals (RFP) and invitations for bid (IFB);
 - c. Publishing announcements of MBE/WBE opportunities for work on EPA funded projects;
 - d. Developing a source list of MBE/WBEs and providing its list to prospective bidders/offerors;
 - 4. The recipient may wish to engage a MBE/WBE liaison to compile the list.
 - 5. The recipient may wish to use available lists such as those of the EPA Regional Office, adjacent municipalities, appropriate minority/women associations. Names of these agencies with address and phone number should also be included on the recipient’s source list.
 - a. Providing necessary and appropriate liaison services between MBE/ WBEs and prospective bidders/offerors. (Liaison service should not be delegated to consultants where a potential for conflict of interest exists.)
 - 6. When project requirements permit, establishing delivery schedules which encourage participation of MBE/WBEs.

7. Using the services and assistance of the Small Business Administration (SBA), the Minority Business Development Agency (MBDA), and other federal, State and local agencies when appropriate.
- B. Unless otherwise provided in the specifications, compliance with the MBE/WBE requirement in the regulations is a matter of bidder/offeror responsibility.
- C. The recipient is responsible for monitoring work in progress to ensure that MBE and WBE subcontractors and joint venturers are actually participating in the performance of the subcontract or joint venture contract and to insure that the consultant/contractor is fulfilling its obligations with respect to MBE/WBE requirements under the contract.
- D. As part of the documentation required under 40 CFR 31.36(b)(9), the recipient shall maintain and update records of MBE/WBE participation and supply data to the delegated State when requested. Such records may include:
 1. Name of MBE/WBEs being utilized;
 2. Work designated to be performed by MBE/WBE;
 3. Dollar value of that work;
 4. Portion of project being performed by MBEs and WBEs.

V. BIDDER AND OFFEROR RESPONSIBILITIES

- A. Affirmative Steps: Activities during preparation of bids and offers. Bidders/offerors shall take affirmative steps in compliance with the regulations, prior to submission of bids or closing date for receipt of initial offers, to encourage participation in projects by MBEs and WBEs. Such efforts include:
 1. When feasible, segmenting total work requirements to permit maximum MBE/WBE participation.
 2. Assuring the MBEs and WBEs are solicited whenever they are potential sources of goods or services. This step may include:
 - a. Sending letters or making other personal contacts with MBEs and WBEs, (e.g. those whose names appear on lists prepared by EPA or the recipient and other MBE/WBEs known to the bidder/offeror). MBEs and WBEs should be contacted when other potential subcontractors are contacted, within reasonable time prior to bid submission or closing date for receipt of initial offers. Those letters or other contacts should communicate the following:
 - 1) Specific description of the work to be subcontracted;
 - 2) How and where to obtain a copy of plans and specifications or other detailed information needed to prepare a detailed price quotation;
 - 3) Date the quotation is due the bidder/offeror;
 - 4) Name, address, and phone number of the person in the bidder/offeror's firm whom the prospective MBE/WBE subcontractor should contact for additional information.
 - b. Sending letters or making other personal contacts with local, State, federal and private agencies and MBE/WBE associations relevant to the project. Such contacts should provide the same information provided in the direct contacts to MBE/WBE firms.
 3. Where feasible, establishing delivery schedules which will encourage participation by MBEs and WBEs.
- B. Bidders/offerors must demonstrate compliance with the MBE/WBE requirements in order to be deemed responsible. Demonstration of compliance may include the following information, however the recipient may specify other methods of demonstrating compliance:
 1. Names, addresses and phone numbers of MBE/WBEs expected to perform work.
 2. Work to be performed by the MBEs and WBEs.
 3. Aggregate dollar amount of work to be performed by MBEs and WBEs, showing aggregate to MBEs and aggregate to WBEs separately.
 4. Description of contacts to MBE and WBE organizations, agencies and associations which service MBEs/WBEs, including names of organizations, agencies and associations and dates of contact.
 5. Description of contacts to MBEs and WBEs, including number of contacts, fields, (i.e. equipment or material supplier, excavators, transport serviced, electrical subcontractors, plumbers, etc.) and dates of contacts.
- C. Successful bidders/offerors should take reasonable affirmative steps to subcontract with MBEs and WBEs whenever additional subcontracting opportunities arise during the performance of the contract.

VI. MBE AND WBE RESPONSIBILITIES

MBEs and WBEs are responsible for promoting themselves and taking the initiative to obtain contracts and subcontracts, and for encouraging joint venture arrangements. MBEs/WBEs interested in working on EPA funded projects are strongly encouraged to take the following steps:

- A. Submit information to the recipients to identify status as a MBE/WBE.
- B. Become certified as MBE/WBE under available State or federal agency procedures.
- C. Contact federal, State, and local MBE/WBE liaison offices to obtain information on potential jobs.
- D. Provide capability statements to State agencies, recipients, consulting engineers, and contractors, stating type(s) of work performed by the firm, size of job that the firm can handle, bonding information, and any special skills.
- E. Make every effort to establish contacts and relationships with contractors for potential future business, including attending pre-bid conferences and subscribing to industry and trade journals.
- F. Contact EPA Regional offices or appropriate State offices to obtain information on planned EPA funded projects.
- G. Respond promptly to solicitation requests.

VII. REMEDIES FOR NONCOMPLIANCE

- A. Protests. A bidder/offeror for EPA funded work or MBE/WBE with an adversely affected direct financial interest may file a bid protest with the recipient pursuant to EPA procurement regulations 40 CFR 31.36(b)(12). These procedures are available to protest alleged violation of federal MBE/WBE requirements and may not be used to enforce local or State MBE/WBE requirements.
- B. Upon a finding by EPA that a recipient, bidder/offeror, consultant, contractor or subcontractor has not complied with the MBE/WBE requirements of EPA regulations, EPA may invoke any and all sanctions and remedies specified in EPA regulations.

VIII. STATE OR LOCAL LAW

Nothing in this program prevents a State or recipient from applying more stringent MBE/WBE requirements or procurement obligations which pertain to bid responsiveness or percentage of MBE and WBE participation.

**US ENVIRONMENTAL PROTECTION AGENCY
CERTIFICATION OF NONSEGREGATED FACILITIES**

(Applicable to contracts, subcontracts, and agreements with the applicants who are themselves performing Federally assisted construction contracts, exceeding \$10,000, which are not exempt from the provisions of the Equal Opportunity Clause.)

By the submission of this bid, the bidder, offeror, applicant, or subcontractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. He certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The bidder, offeror, applicant, or subcontractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. He further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that he will retain such certifications in his files; and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods):

NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENT FOR CERTIFICATION OF NONSEGREGATED FACILITIES

A Certification of Non-segregated Facilities, as required by the May 9, 1967 order (33 F.R. 7808, May 28, 1968) on Elimination of Segregated Facilities, by the Secretary of Labor, must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Opportunity clause. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually).

Signature

Date

Name and Title of Signer (Please Type)

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001

EPA-7 5720-4.2 (6/2/77)

Recipient Certification - Anti-Lobbying Act of 1990
US Department of the Interior
Certification Regarding Lobbying

This certification is required by Section 1352, title 31, US Code, entitled "Limitation on use of appropriated funds to influence certain Federal contracting and financial transactions."

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON REVERSE)

Certification for Contracts, Grants, Loans, and Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

- 1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to person for influencing or attempting to influence an officer or employee of any agency, a Member Congress, and officer or employee of Congress, or an employee of a Member of Congress in with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- 2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form -LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- 3) The undersigned shall require that of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, US Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Signature _____ Date _____

Instructions for Certification

1. This certification and a disclosure form should be filed by each person as required, with each submission that initiates agency consideration of such person for: (1) award of a Federal contract, grant, or cooperative agreement exceeding \$100,000 or (2) an award of a Federal loan or a commitment providing for the United States to insure or guarantee a loan exceeding \$ 150,000.
2. This certification and a disclosure form should be filed by each person as required, upon receipt by such person of (1) a Federal contract, grant, or cooperative agreement exceeding \$100,000; or (2) a loan or a commitment providing for the United States to insure or guarantee a loan exceeding \$150,000, unless such person previously filed a certification, and a disclosure form, if required, at the time agency consideration was initiated.
3. Any person who requests or receives from a person referred to in paragraphs (1) and (2) above: (1) a subcontract exceeding \$100,000 at any tier under a Federal contract; (2) a subgrant, contract, or subcontract exceeding \$100,000 at any tier under a Federal grant (3) a contract or subcontract exceeding \$100,000 at any tier under a Federal loan exceeding \$150,000; or, (4) a contract or subcontract exceeding \$100,000 at any tier under a Federal cooperative agreement, shall file a certification, and a disclosure form, as required, to the next tier above.
4. All disclosure forms, but not certifications, shall be forwarded from tier to tier until received by the person referred to in paragraphs (1) or (2) above. That Person shall forward all disclosure forms to the appropriate Bureau/Office within the Department of the Interior.
5. Any certification or disclosure form filed under paragraph (4) above shall be treated as a material representation of fact upon which all receiving tiers shall rely. All liability arising from an erroneous representation shall be borne solely by the tier filing that representation and shall not be shared by any tier to which the erroneous representation is forwarded. Submitting an erroneous or disclosure constitutes a failure to file the required certification or disclosure, respectively. If a person fails to file a required certification or disclosure, the United States may pursue all available remedies, including those authorized by Section 1352, title 31. US Code.

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime federal recipient, at the initiation or receipt of a covered federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with a covered federal action. Use the SF-LLL-A Continuation Sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered federal action.
2. Identify the status of the covered federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include congressional district, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee (e.g., the first subawardee of the prime is the first tier). Subawards include, but are not limited to, subcontracts, subgrants and contract awards under grants.
5. If the organization filling the report in Item 4 checks "Subawardee," then enter the full name, address, city, state and zip code of the prime federal recipient. Include congressional district, if known.
6. Enter the name of the federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the federal program name or description for the covered federal action (Item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate federal identifying number available for the federal action identified in Item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant or loan award number; the application/proposal control number assigned by the federal agency). Include prefixes (e.g., "RFP-DE-90-001").
9. For a covered federal action where there has been an award or loan commitment by the federal agency, enter the federal amount of the award/loan commitment for the prime entity identified in Item 4 or 5.
10.
 - a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in Item 4 to influence the covered federal action.
 - b) Enter the full names of the individual(s) performing services, and include full address if different from 10(a). Enter last name, first name and middle initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (Item 4) to the lobbying entity (Item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all

boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.

12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify name.
14. Provide a specific and detailed description of the services that the lobbyist has performed, or will be expected to perform, and the date(s) of any services rendered. Include all preparatory and related activity, not just time spent in actual contact with federal officials. Identify the federal official(s) or employee(s) contacted or the officer(s), employee(s), or member(s) of Congress that were contacted.
15. Check whether or not a SF-LLL-A Continuation Sheet(s) is/are attached.
16. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

Public reporting burden for this collection at of intermission is estimated to average 30 minutes per response. Including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project, (0348-0045), Washington DC 20503

1. Type of Federal Action: ☐ a. contract ☐ b. grant ☐ c. cooperative agreement ☐ d. loan ☐ e. loan guarantee ☐ f. loan insurance		2. Status of Federal Action: ☐ a. Bid/Offer/Application ☐ b. Initial Award ☐ c. Post-award		3. Report Type: ☐ a. Initial/Filing ☐ b. material change For Material Change Only: year _____ quarter _____ date of last report _____	
4. Name and Address of Reporting Entity: ☐ Prime ☐ Subawardee Tier _____, <i>if known</i> Congressional District, if known			5. If Reporting Entity in No. 4 is Subawardee, enter name and Address of Prime: Congressional District, if known		
6. Federal Department/Agency:			7. Federal Program Name/Description: CFDA Number, <i>if applicable</i>		
8. Federal Action Number, if known:			9. Award Amount, if known: \$		
10. a. Name and Address of Lobbying Entity: <i>(if individual, last name, first name, MI)</i> (Attach Continuation Sheet(s) SF-LLL-A if Necessary)			b. Individuals Performing Services <i>(including address if different from No. 10a) (last name, first name, MI)</i>		
11. Amount of Payment <i>(check all that apply):</i> \$ _____ ☐ actual ☐ planned			12. Form of Payment <i>(check all that apply):</i> ☐ a. cash ☐ b. in-kind; specify: nature _____ value _____		
13. Type of Payment <i>(check all that apply):</i> ☐ a. retainer ☐ b. one-time fee ☐ c. commission ☐ d. contingent fee ☐ e. deferred ☐ f. other; specify: _____					
14. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or Member(s) contracted, for Payment indicated in item 11: (Attach Continuation Sheet(s) SF-LLL-A if Necessary)					

15. Continuation Sheet(s) SF-LLL-A attached: ☐ Yes ☐ No

16: The information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of facts upon which evidence was placed by the above when this transaction was made or started into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the congress semi-annually and will be available for public inspection. Any person which fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Signature: _____

Print Name: _____

Title: _____

For Federal Use Only:

**Authorized for local reproduction
Standard Form-LLL**

Telephone No.: _____ **Date:** _____

DISCLOSURE OF LOBBYING ACTIVITIES
CONTINUATION SHEET

Approved By OMB
0348-0046

Reporting Entity: _____ Page _____ of _____

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Standard Form LLL-A

NONDISCRIMINATION IN EMPLOYMENT

(Instructions for Bidders)

By the submission of its bid, each bidder acknowledges that he understands and agrees to be bound by the equal opportunity requirements of EPA regulations (40 CFR Part 8, particularly Section 8.4(b)), which shall be applicable throughout the performance of work under any contract awarded pursuant to this solicitation. Each bidder agrees that if awarded a contract, it will similarly bind contractually each subcontractor. In implementation of the foregoing policies, each bidder further understands and agrees that if awarded a contract, it must engage in affirmative action directed at promoting and ensuring equal employment opportunity in the workforce used under the contract (and that it must require contractually the same effort of all subcontractors whose subcontracts exceed \$ 10,000). The bidder understands and agrees that "affirmative action" as used herein shall constitute a good faith effort to achieve and maintain that amount of minority employment in the on-site workforce used on the project which corresponds, for each trade used, to the minority population in the serving labor market area from which workers are reasonably available for hire for the project.

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

- A. Drawings and General Provisions of the Contract, including the General Covenants and Provisions, Supplementary Covenants and Provisions, and General Requirements.

1.02 GENERAL:

- A. Special Condition:

- 1. **Build America, Buy America Act:**

This project shall comply with section 70914 of the Infrastructure Investment and Jobs Act, Public Law Number 117-58, which includes the Build America, Buy America Act. Section 70914 of this act requires the following Buy America Preference:

- a. All iron and steel used in the project are produced in the United States. This means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
 - b. All manufactured products used in the project are produced in the United States. This means the manufactured product was manufactured in the United States, and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation.
 - c. All construction materials are manufactured in the United States. This means that all manufacturing processes for the construction material occurred in the United States.

The Buy America preference only applies to articles, materials, and supplies that are consumed in, incorporated into, or affixed to an infrastructure project. As such, it does not apply to tools, equipment, and supplies, such as temporary scaffolding, brought to the construction site and removed at or before the completion of the infrastructure project. Nor does a Buy America preference apply to equipment and furnishings, such as movable chairs, desks, and portable computer equipment, that are used at or within the finished infrastructure project, but are not an integral part of or permanently affixed to the structure.

Any waivers from these requirements must be in writing and meet the requirements of section 70914(b) of the Build America, Buy America Act.

The fabricator/supplier of all iron, steel, manufactured products, and construction materials shall provide a letter certifying all of the materials are in compliance the Build America, Buy America Act, and the necessary supporting documentation will be retained by the fabricator/supplier for a minimum of seven years from the time the products are shipped for incorporation into the project.

**SECTION 030100
MAINTENANCE OF CONCRETE**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Cleaning of existing concrete surfaces.
- B. Scope of Work: As indicated on drawings.

1.02 REFERENCE STANDARDS

- A. ICRI 310.2R - Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair; 2013.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Indicate product standards, physical and chemical characteristics, technical specifications, limitations, maintenance instructions, and general recommendations regarding each material.
- C. Manufacturer's instructions.

1.04 QUALITY ASSURANCE

- A. Cleaner Qualifications: Company specializing in, and with minimum of 3 years of experience in, the type of cleaning specified.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturers' instructions for storage, shelf life limitations, and handling of products.

PART 2 PRODUCTS

2.01 CLEANING MATERIALS

- A. Detergent: Non-ionic detergent.
- B. Alkaline Cleaning Agent: _____.
- C. Blasting Medium: Water.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces are ready to receive work.
- B. Beginning of installation means acceptance of substrate.

3.02 PREPARATION

- A. Prepare concrete surfaces to be repaired according to ICRI 310.2R, _____.

3.03 CLEANING EXISTING CONCRETE

- A. Provide enclosures, barricades, and other temporary construction as required to protect adjacent work from damage.
- B. Clean concrete surfaces of dirt or other contamination using the gentlest method that is effective.
 - 1. Try the gentlest method first, then, if not clean enough, use a less gentle method taking care to watch for impending damage.
 - 2. Clean out cracks and voids using same methods.
- C. The following are acceptable cleaning methods, in order from gentlest to less gentle:
 - 1. Water washing using low-pressure, maximum of 100 psi, and, if necessary, brushes with natural or synthetic bristles.
 - 2. Increasing the water washing pressure to maximum of 400 psi.

3. Adding detergent to washing water; with final water rinse to remove residual detergent.
4. Steam-generated low-pressure hot-water washing.
5. Alkaline cleaning agent applied for the least amount of time that is effective, followed by slight acid rinse and water rinse.

3.04 FIELD QUALITY CONTROL

- A. See Section 014000 - Quality Requirements for additional requirements.

END OF SECTION

**SECTION 040100
MAINTENANCE OF MASONRY**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Water cleaning of Split-Faced CMU surfaces.
- B. Blast cleaning of Split-Faced CMU surfaces.

1.02 REFERENCE STANDARDS

- A. ACI SPEC-548.14 - Specification for Repairing Concrete with Epoxy Mortar; 2014.
- B. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures; 2022, with Errata (2024).

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on cleaning compounds.

1.04 QUALITY ASSURANCE - MASONRY WORK

- A. Comply with provisions of TMS 402/602, except where exceeded by requirements of Contract Documents.

1.05 FIELD CONDITIONS - MASONRY WORK

- A. Cold and Hot Weather Requirements: Comply with requirements of TMS 402/602 or applicable building code, whichever is more stringent.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Restoration and Cleaning Chemicals:
 - 1. Diedrich Technologies, Inc; ____: www.diedrichtechnologies.com/#sle.
 - 2. HMK Stone Care System; ____: www.hmkstonecare.com/#sle.
 - 3. PROSOCO; ____: www.prosoco.com/#sle.
 - 4. Substitutions: See Section 016000 - Product Requirements.

2.02 CLEANING MATERIALS

- A. Cleaning Agent: Acid solution type.
- B. Cleaning Agent: 0.75 lb of sodium hydrosulfite mixture to one gallon of water.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces to be cleaned are ready for work of this section.

3.02 PREPARATION

- A. Protect surrounding elements from damage due to restoration procedures.
- B. Carefully remove and store removable items located in areas to be restored, including fixtures, fittings, finish hardware, and accessories; reinstall upon completion.
- C. Separate areas to be protected from restoration areas using means adequate to prevent damage.
- D. Mask immediately adjacent surfaces with material that will withstand cleaning and restoration procedures.

3.03 CLEANING EXISTING MASONRY

- A. Medium Pressure Water Cleaning: Apply 1200 psi pressure to Split-Faced CMU type masonry surfaces at all locations, maintaining uniform depth and surface texture throughout.

- B. Cleaning Detergent: Brush clean Split-Faced CMU type masonry surfaces at all locations with poltice type cleaning agent in accordance with the manufacturer's instructions. Saturate masonry with clean water and flush loose mortar and dirt.

END OF SECTION

SECTION 070150.19
PREPARATION FOR RE-ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Re-cover of existing roofing system in preparation for entire new roofing system.

1.02 RELATED REQUIREMENTS

- A. Section 075200 - Modified Bituminous Membrane Roofing.
- B. Section 076200 - Sheet Metal Flashing and Trim

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate with affected mechanical and electrical work associated with roof penetrations.
- B. Preinstallation Meeting: Convene one week before starting work of this section.
 - 1. Attendees:
 - a. Contractor.
 - b. DNR Field Engineer.
- C. Schedule work to coincide with commencement of installation of new roofing system.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Submit for each type of material.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

1.06 FIELD CONDITIONS

- A. Existing Roofing System: Asphalt Shingle over Plywood

1.07 WARRANTY

- A. See Section 017800 - Closeout Submittals for additional warranty requirements.

PART 2 PRODUCTS

2.01 COMPONENTS

- A. See the following sections for additional information on components relating to this work:

2.02 MATERIALS

- A. Roofing Recover Materials:
 - 1. Standing Seam Underlayment: Tyvek Protek 160 or Owens Corning Titanium PSU30

2.03 ACCESSORIES

- A. Roof Vent Pipe Extension: Solid-wall PVC fitting consisting of pipe and splice sleeve inserts, configured for insertion and sealing to existing plumbing vent piping, sized to fit inside diameter of plumbing vent piping, enabling extension of piping to field-determined height to meet local building code requirements for plumbing vent pipe height above existing roof level.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that existing roof surface has been cleared of materials being removed from existing roofing system and ready for next phase of work as required.

3.02 PREPARATION

- A. Scape loose paint and sweep roof surface clean of loose matter.
- B. Remove loose refuse and dispose of properly off-site.

3.03 MATERIAL REMOVAL

- A. Remove metal counter flashings.
- B. Remove vapor retarder, sheathing paper, underlay, and shingles.
- C. Repair existing wood deck surface to provide smooth working surface for new roof system.

3.04 INSTALLATION

- A. Coordinate scope of this work with requirements for installation of new roofing system, see Section 075200 for additional requirements.

3.05 SCHEDULES

- A. Entire roof

END OF SECTION

**SECTION 074113
METAL ROOF PANELS - MBCI**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Structural metal roof panel system.
- B. Architectural metal roof panel system.

1.02 RELATED REQUIREMENTS

- A. Section 079200 - Joint Sealants.

1.03 REFERENCE STANDARDS

- A. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.
- C. ASTM E1592 - Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference; 2005 (Reapproved 2017).
- D. ASTM E1646 - Standard Test Method for Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference; 1995 (Reapproved 2018).
- E. UL 580 - Standard for Tests for Uplift Resistance of Roof Assemblies; Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product used, including:
 - 1. Storage and handling requirements and recommendations.
 - 2. Installation methods.
 - 3. Specimen warranty.
- C. Shop Drawings: Include layouts of roof panels, details of edge and penetration conditions, spacing and type of connections, flashings, underlayments, and special conditions.
 - 1. Show field-fabricated or field-assembled work.
- D. Samples: For each roofing system specified, submit samples of minimum size 12 inches square, representing actual roofing metal, thickness, profile, color, and texture.
 - 1. Include typical panel joint in sample.
 - 2. Include typical fastening detail.
- E. Manufacturer's instructions.
- F. Manufacturer's qualification statement.
- G. Installer's qualification statement.
- H. Warranty: Submit specified manufacturer's warranty and complete forms in Owner's name and register with manufacturer.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Provide strippable plastic protection on prefinished roofing panels for removal after installation.
- B. Store roofing panels on project site as recommended by manufacturer to minimize damage to panels prior to installation.

1.07 FIELD CONDITIONS

- A. Do not install metal roof panels, eave protection membrane, underlayment, or _____ at surface, ambient air, or wind chill temperatures below 45 degrees F.

1.08 WARRANTY

- A. See Section 017800 - Closeout Submittals for additional warranty requirements.
- B. Special Warranty: Provide 20-year warranty for weathertightness of roofing system, including agreement to repair or replace metal roof panels that fail to keep out water, commencing on Date of Substantial Completion. Complete forms in Owner's name and register with warrantor.
- C. Finish Warranty: Provide 5-year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking. Complete forms in Owner's name and register with warrantor.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Architectural Metal Roof Panel Manufacturers:
 - 1. MBCI, a Cornerstone Building Brands Company; LokSeam Standing Seam Panel: www.mbc.com/#sle.
 - 2. Substitutions: See Section 016000 - Product Requirements.

2.02 PERFORMANCE REQUIREMENTS

- A. Metal Roof Panels: Provide complete roofing assemblies, including roof panels, clips, fasteners, connectors, and miscellaneous accessories, tested for conformance with the following minimum standards:
 - 1. Structural Design Criteria: Provide panel assemblies designed to safely support design loads at support spacing indicated, with deflection not to exceed L/180 of span length (L) when tested in accordance with ASTM E1592.
 - 2. Overall: Complete weathertight system tested and approved in accordance with ASTM E1592.
 - 3. Wind Uplift: Class 90 wind uplift resistance of UL 580.
 - 4. Water Penetration: No water penetration when tested in accordance with procedures and recommended test pressures of ASTM E1646; perform test immediately following air infiltration test.
 - 5. Thermal Movement: System to accommodate without deformation anticipated thermal movement over ambient temperature range of 120 degrees F.

2.03 ARCHITECTURAL METAL ROOF PANELS

- A. Architectural Metal Roof Panels: Provide complete engineered system complying with specified requirements and capable of remaining weathertight while withstanding anticipated movement of substrate and thermally induced movement of roofing system.
- B. Metal Panels: Factory-formed panels with factory-applied finish.
 - 1. Steel Panels:
 - a. Steel Thickness: Minimum 24 gauge, 0.024 inch.
 - 2. Texture: Smooth, with intermediate ribs for added stiffness.
 - 3. Length: Full length of roof slope, without lapped horizontal joints.
 - 4. Width: Maximum panel coverage of 16 inches.
 - 5. Color: As selected by Architect from manufacturer's standard line.

2.04 ATTACHMENT SYSTEM

- A. Concealed System: Provide manufacturer's standard stainless steel or nylon-coated aluminum concealed anchor clips designed for specific roofing system and engineered to meet performance requirements, including anticipated thermal movement.

2.05 SECONDARY FRAMING

- A. Secondary Framing for Roof Retrofit: Pressure treated wood furring 2x profile anchored into concrete roof using predrilled exterior grade concrete anchors with shank diameter of 5/16" or larger. Countersink anchors into wood furring flush with surface. Anchors spaced 36 inches on center maximum.

2.06 FABRICATION

- A. Panels: Provide factory- or field-fabricated panels with applied finish and accessory items, using manufacturer's standard processes as required to achieve specified appearance and performance requirements.
- B. Joints: Provide captive gaskets, sealants, or separator strips at panel joints to ensure weathertight seals, eliminate metal-to-metal contact, and minimize noise from panel movements.

2.07 MATERIALS

- A. Precoated Steel Sheet: Hot-dip galvanized steel sheet, ASTM A653/A653M, Structural Steel (SS) with G90/Z275 coating; continuous-coil coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

2.08 FINISHES

- A. Panel Backside Finish: Panel manufacturer's standard siliconized polyester wash coat.
- B. Fluoropolymer Coil-Coating System: Manufacturer's standard multicoat metal coil-coating system including at least 70 percent polyvinylidene fluoride (PVDF) resin, and at least 80 percent of coil-coated metal surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch; color and gloss as selected from manufacturer's standards.

2.09 ACCESSORIES

- A. Miscellaneous Sheet Metal Items: Provide flashings, gutters, downspouts, trim, moldings, caps, and equipment curbs of same material, thickness, and finish as used for roofing panels. Optionally, make items completely concealed after installation of stainless steel.
- B. Sealants:
 - 1. Exposed Sealant: Elastomeric; polyurethane, or silyl-terminated polyether/polyurethane.
 - 2. Concealed Sealant: Non-curing butyl sealant or tape sealant; see Section 079200.
 - 3. Seam Sealant: Factory-applied, nonskinning, nondrying type.
- C. Fasteners: Manufacturer's standard type to suit application; with soft neoprene washers, steel, hot-dip galvanized. Fastener cap same color as exterior panel.
 - 1. Metal-to-Metal Fasteners: Self-drilling, self-tapping screws.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation of preformed metal roof panels until substrates have been prepared as noted below.
- B. Where another installer performs surface preparation, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

- A. Broom-clean wood sheathing prior to installation of roofing system.
- B. Coordinate roofing work with provisions for roof drainage, flashing, trim, penetrations, and other adjoining work to ensure that completed roof does not leak.
- C. Remove protective film from surface of roof panels immediately prior to installation; strip film carefully to avoid damage to prefinished surfaces.
- D. Separate dissimilar metals by applying a bituminous coating, self-adhering rubberized asphalt sheet, or other permanent method approved by metal roof panel manufacturer.

- E. At locations where metal makes contact with wood or other absorbent material subject to wetting, seal joints with sealing compound and apply one coat of heavy-bodied bituminous paint.

3.03 INSTALLATION

- A. Install roofing system in accordance with approved shop drawings and metal roof panel manufacturer's instructions and recommendations, as applicable to specific project conditions; securely anchor roofing system components in place, allowing for thermal and structural movement.
 - 1. Install roofing system with concealed clips and fasteners, except as otherwise recommended by manufacturer for specific circumstances.
 - 2. Minimize field cutting of panels. Where required, use methods that do not distort panel profiles. Use of torches for cutting prohibited.
- B. Accessories: Install necessary components required for complete roofing assembly, including flashings, gutters, downspouts, trim, closure strips, caps, ridge closures, and similar roof accessory items.
- C. Roof Panels: Install metal roof panels in accordance with manufacturer's installation instructions, minimizing transverse joints except at junction with penetrations.
 - 1. Install sealant or sealant tape at end laps and side joints as metal roof panel manufacturer recommends.

3.04 CLEANING

- A. See Section 017000 - Execution and Closeout Requirements for additional requirements.
- B. Clean exposed sheet metal work at completion of installation. Remove grease and oil films, excess joint sealer, handling marks, and debris from installation, leaving work clean and unmarked, free from dents, creases, waves, scratch marks, or other damage to the finish.

3.05 PROTECTION

- A. Do not permit storage of materials or roof traffic on installed roof panels. Provide temporary walkways or planks as necessary to avoid damage to completed work. Protect roofing until completion of project.
- B. Touch up, repair, or replace damaged roof panels or accessories before Date of Substantial Completion.

END OF SECTION

**SECTION 076200
SHEET METAL FLASHING AND TRIM**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fabricated sheet metal items, including flashings, counterflashings, gutters, downspouts, exterior penetrations, and other items indicated in Schedule.
- B. Sealants for joints within sheet metal fabrications.

1.02 REFERENCE STANDARDS

- A. AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.
- B. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.
- D. ASTM A755/A755M - Standard Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products; 2018.
- E. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process; 2023.
- F. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018 (Reapproved 2024).
- G. CDA A4050 - Copper in Architecture - Handbook; Current Edition.
- H. SMACNA (ASMM) - Architectural Sheet Metal Manual; 2012.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Shop Drawings: Indicate material profile, jointing pattern, jointing details, fastening methods, flashings, terminations, and installation details.

1.04 QUALITY ASSURANCE

- A. Perform work in accordance with SMACNA (ASMM) and CDA A4050 requirements and standard details, except as otherwise indicated.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Stack material to prevent twisting, bending, and abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.
- B. Prevent contact with materials that could cause discoloration or staining.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Sheet Metal Flashing and Trim:
 - 1. ALUCOBOND by 3A Composites USA; ALUCOBOND AXCENT:
www.alucobondusa.com/#sle.
 - 2. Substitutions: See Section 016000 - Product Requirements.

2.02 PREPAINTED, METALLIC-COATED STEEL SHEETS

- A. Description: Factory-applied coatings applied to metallic-coated steel sheet substrates prior to fabrication by coil coating; topcoat systems consist of primers and organic topcoats on exposed, top side of sheet; washcoats on bottom, unexposed sheet side.

- B. Comply with ASTM A755/A755M.
- C. Metallic-Coated Steel Sheet Substrates:
 - 1. Zinc-Coated, Galvanized, Steel Sheets: Commercial steel sheets, galvanized by hot-dip process; comply with ASTM A653/A653M; coating designation G90.
 - 2. Aluminum-Zinc-Alloy-Coated Steel Sheets: Commercial steel sheets, alloy-coated by hot-dip process; comply with ASTM A792/A792M; coating designation AZ50.
- D. Substrate Preparation for Prefinishing: Clean and prepare substrate surfaces in accordance with coating manufacturer's recommendations for substrate type and application.
- E. Washcoats or Backercoats: Provide washcoats or backercoats in accordance with organic coating manufacturer's recommendations.
- F. Primer Coats: Provide basecoat primers in accordance with coating manufacturer's recommendations for substrate type, topcoat, and application.

2.03 FABRICATION

- A. Form sections true to shape, accurate in size, square, and free from distortion or defects.
- B. Form pieces in longest possible lengths.
- C. Hem exposed edges on underside 1/2 inch; miter and seam corners.
- D. Form material with flat lock seams, except where otherwise indicated; at moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.
- E. Fabricate corners from one piece with minimum 18-inch long legs; seam for rigidity, seal with sealant.
- F. Fabricate flashings to allow toe to extend 2 inches over roofing gravel. Return and brake edges.

2.04 FLASHING

- A. Flashing Panels for Exterior Wall Penetrations: Premanufactured components and accessories as required to preserve integrity of building envelope; suitable for conduits and facade materials to be installed.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify roof openings, curbs, pipes, sleeves, ducts, and vents through roof are solidly set, reglets in place, and nailing strips located.
- B. Verify roofing termination and base flashings are in place, sealed, and secure.

3.02 PREPARATION

- A. Install starter and edge strips, and cleats before starting installation.
- B. Install surface mounted reglets true to lines and levels, and seal top of reglets with sealant.
- C. Back paint concealed metal surfaces with protective backing paint to a minimum dry film thickness of 15 mil, 0.015 inch.

3.03 INSTALLATION

- A. Secure flashings in place using concealed fasteners, and use exposed fasteners only where permitted.
- B. Apply plastic cement compound between metal flashings and felt flashings.
- C. Fit flashings tight in place; make corners square, surfaces true and straight in planes, and lines accurate to profiles.
- D. Seal metal joints watertight.

END OF SECTION

SECTION 079200 JOINT SEALANTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Nonsag gunnable joint sealants.
- B. Self-leveling pourable joint sealants.
- C. Joint backings and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 079100 - Preformed Joint Seals: Precompressed foam, gaskets, and strip seals.

1.03 REFERENCE STANDARDS

- A. ASTM C661 - Standard Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer; 2015 (Reapproved 2022).
- B. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018 (Reapproved 2024).
- C. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016 (Reapproved 2023).
- D. ASTM D2240 - Standard Test Method for Rubber Property--Durometer Hardness; 2015 (Reapproved 2021).

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Submit manufacturer's technical datasheets for each product to be used; include the following:
 - 1. Physical characteristics, including movement capability, VOC content, hardness, cure time, and color availability.
 - 2. List of backing materials approved for use with the specific product.
 - 3. Backing material recommended by sealant manufacturer.
 - 4. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
 - 5. Substrates the product should not be used on.
 - 6. Substrates for which use of primer is required.
- C. Installation Plan: Submit at least four weeks prior to start of installation.
- D. Field Quality Control Plan: Submit at least two weeks prior to start of installation.
- E. Installation Log: Submit filled-out log for each length or instance of sealant installed.
- F. Field Quality Control Log: Submit filled-out log for each length or instance of sealant installed, within 10 days after completion of inspections/tests; include bagged test samples and photographic records, if any.
- G. Executed warranty.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of the type specified in this section.
- C. Installation Plan: Include schedule of sealed joints, including the following:
 - 1. Joint width indicated in Contract Documents.
 - 2. Joint depth indicated in Contract Documents; to face of backing material at centerline of joint.
- D. Field Quality Control Plan:
 - 1. Visual inspection of entire length of sealant joints.

1.06 WARRANTY

- A. See Section 017800 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide 2-year manufacturer warranty for installed sealants and accessories that fail to achieve a watertight seal, exhibit loss of adhesion or cohesion, or do not cure. Complete forms in Owner's name and register with manufacturer.
- C. Extended Correction Period: Correct defective work within 2-year period commencing on Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Nonsag Sealants:
 - 1. Sika Corporation; Sikaflex 15LM urethane based sealant: usa.sika.com/#sle.
 - 2. Substitutions: See Section 016000 - Product Requirements.

2.02 JOINT SEALANT APPLICATIONS

- A. Scope:
 - 1. Exterior Joints:
 - a. Seal the following joints:
 - 1) Joints between doors, windows, and other frames or adjacent construction.
 - 2) Joints between different exposed materials.
 - 2. Interior Joints:
 - a. Seal the following joints:
 - 1) Joints between door frames and window frames and adjacent construction.
- B. Exterior Joints: Use nonsag polyurethane sealant, unless otherwise indicated.
 - 1. Lap Joints between Manufactured Metal Panels: Butyl rubber, noncuring.
 - 2. Control and Expansion Joints in Concrete Paving: Self-leveling polyurethane traffic-grade sealant.
- C. Interior Joints: Use nonsag polyurethane sealant, unless otherwise indicated.
 - 1. Wall and Ceiling Joints in Wet Areas: Nonsag polyurethane sealant. Mold and mildew resistant. Paintable.
 - 2. Floor Joints in Wet Areas: Nonsag polyurethane non-traffic-grade sealant suitable for continuous liquid immersion.
 - 3. Wall, Ceiling, and Floor Joints Where Tamper-Resistance is Required: Non-sag tamper-resistant silyl-terminated polyurethane sealant.
 - 4. Type ____ - Joints between Tile in Wet Areas and Floors, Walls, and Ceilings: Mildew-resistant silicone sealant; white.
- D. Interior Wet Areas: Restrooms and Shower Rooms; fixtures in wet areas include plumbing fixtures, countertops, and other similar items.
- E. Areas Where Tamper-Resistance is Required: As indicated on drawings.

2.03 NONSAG JOINT SEALANTS

- A. Nonstaining Silicone Sealant: ASTM C920, Grade NS, Uses M, A, G, and O; not expected to withstand continuous water immersion or traffic. For use at edges of windows, doors, fixtures, and plumbing where sealant is needing replacement.
 - 1. Movement Capability: Plus and minus 50 percent, minimum.
 - 2. Dirt Pick-Up: Reduced dirt pick-up compared to other silicone sealants.
 - 3. Hardness Range: 15 to 35, Shore A, when tested in accordance with ASTM C661.
 - 4. Color: To be selected by Architect from manufacturer's standard range.
 - 5. Service Temperature Range: Minus 20 to 180 degrees F.
 - 6. Products:
 - a. Dow; DOWSIL 790 Silicone Building Sealant: www.dow.com/#sle.
 - b. Dow; DOWSIL 791 Silicone Weatherproofing Sealant: www.dow.com/#sle.

- c. Dow; DOWSIL 795 Silicone Building Sealant: www.dow.com/#sle.
 - d. Pecora Corporation; Pecora 890 NST (Non-Staining Technology): www.pecora.com/#sle.
 - e. Pecora Corporation; Pecora 864 NST (Non-Staining Technology): www.pecora.com/#sle.
 - f. Sika Corporation; Sikasil WS-290: usa.sika.com/#sle.
 - g. Sika Corporation; Sikasil WS-295: usa.sika.com/#sle.
 - h. Substitutions: See Section 016000 - Product Requirements.
- B. Type ____ - Mildew-Resistant Silicone Sealant: ASTM C920, Grade NS, Uses M and A; single component, mildew resistant; not expected to withstand continuous water immersion or traffic.
- 1. Color: White.
- C. Tamper-Resistant, Silyl-Terminated Polyurethane (STPU) Sealant: ASTM C920, Grade NS, Uses M and A; single component; not expected to withstand continuous water immersion or traffic.
- 1. Movement Capability: Plus and minus 50 percent, minimum
 - 2. Hardness Range: 25 to 30, Shore A, when tested in accordance with ASTM C661.
 - 3. Color: Match adjacent finished surfaces.
 - 4. Service Temperature Range: Minus 40 to 180 degrees F.
 - 5. Products:
 - a. Pecora Corporation; DynaTrol I-XL Hybrid: www.pecora.com/#sle.
 - b. Pecora Corporation; DynaFlex SC (Security Sealant): www.pecora.com/#sle.
 - c. Substitutions: See Section 016000 - Product Requirements.
- D. Polyurethane Sealant: ASTM C920, Grade NS, Uses M and A; single or multi-component; not expected to withstand continuous water immersion or traffic. For use in precast concrete exterior wall and roof joints.
- 1. Movement Capability: Plus and minus 25 percent, minimum.
- E. Polyurethane Sealant for Continuous Water Immersion: ASTM C920, Grade NS, Uses M and A; single or multicomponent; explicitly approved by manufacturer for continuous water immersion; suitable for traffic exposure when recessed below traffic surface. For use in exposed interior floor joints and exterior joints in walkway and around perimeter of building. Prime concrete surfaces with Sika Primer 429 prior to applying sealant.
- 1. Movement Capability: Plus and minus 35 percent, minimum.
 - 2. Color: Match adjacent finished surfaces.
 - 3. Products:
 - a. Sika Corporation; Sikaflex-1A: usa.sika.com/#sle.
 - b. Sika Corporation; Sikaflex NP 1: usa.sika.com/#sle.
 - c. Substitutions: See Section 016000 - Product Requirements.
- F. Noncuring Butyl Sealant: Solvent-based, single component, nonsag, nonskinning, nonhardening, nonbleeding; nonvapor permeable; intended for fully concealed applications. For use in metal roofing and flashing applications. See section 074000, detailing indicated on drawings, and roofing manufacturers literature for proper sealing locations.
- 1. Products:
 - a. Pecora Corporation; Pecora BA-98 Non-Skinning Butyl Sealant: www.pecora.com/#sle.
 - b. MBCI recommended butyl sealant approved by architect..
 - c. Substitutions: See Section 016000 - Product Requirements.

2.04 SELF-LEVELING JOINT SEALANTS

- A. Self-Leveling Polyurethane Sealant for Continuous Water Immersion: Polyurethane; ASTM C920, Grade P, Uses M and A; single component; explicitly approved by manufacturer for traffic exposure and continuous water immersion. For use around building perimeter, exterior and interior. Prime concrete surfaces with Sika Primer 429 prior to applying sealant.

1. Movement Capability: Plus and minus 25 percent, minimum.
 2. Color: To be selected by Architect from manufacturer's standard range.
 3. Service Temperature Range: Minus 40 to 180 degrees F.
 4. Products:
 - a. Sika Corporation; Sikaflex SL 1: usa.sika.com/#sle.
 - b. Sika Corporation; Sikaflex-1c SL: usa.sika.com/#sle.
 - c. W. R. Meadows, Inc; POURTHANE SL: www.wrmeadows.com/#sle.
 - d. Substitutions: See Section 016000 - Product Requirements.
- B. Semi-Self-Leveling Polyurethane Sealant: Intended for expansion joints in sidewalks, swimming pool decks, plazas, floors and other horizontal surfaces with up to 6 percent slope.
1. Composition: Single or multicomponent.
 2. Durometer Hardness, Type A: 35 to 45, minimum, when tested in accordance with ASTM D2240.
 3. Color: To be selected by Architect from manufacturer's standard colors.
 4. Products:
 - a. Tremco Commercial Sealants & Waterproofing; Vulkem 45 SSL: www.tremcosealants.com/#sle.
 - b. Tremco Commercial Sealants & Waterproofing; Vulkem 445 SSL: www.tremcosealants.com/#sle.
 - c. Substitutions: See Section 016000 - Product Requirements.

2.05 ACCESSORIES

- A. Sealant Backing Materials, General: Materials placed in joint before applying sealants; assists sealant performance and service life by developing optimum sealant profile and preventing three-sided adhesion; type and size recommended by sealant manufacturer for compatibility with sealant, substrate, and application.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that joints are ready to receive work.
- B. Verify that backing materials are compatible with sealants.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

3.03 INSTALLATION

- A. Install this work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Provide joint sealant installations complying with ASTM C1193.
- C. Install bond breaker backing tape where backer rod cannot be used.
- D. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.
- E. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- F. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

- G. Concrete Floor Joint Filler: After full cure, shave joint filler flush with top of concrete slab.

3.04 FIELD QUALITY CONTROL

- A. See Section 014000 - Quality Requirements for additional requirements.
- B. Perform field quality control inspection/testing as specified in PART 1 under QUALITY ASSURANCE article.
- C. Remove and replace failed portions of sealants using same materials and procedures as indicated for original installation.

3.05 POST-OCCUPANCY

- A. Post-Occupancy Inspection: Perform visual inspection of entire length of project sealant joints at a time that joints have opened to their greatest width, i.e., at low temperature in thermal cycle. Report failures immediately and repair them.

END OF SECTION

**SECTION 081113
HOLLOW METAL DOORS AND FRAMES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-fire-rated hollow metal doors and frames.

1.02 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ANSI/SDI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors; 2024.
- C. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100); 2023.
- D. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames; 2025.
- E. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.
- F. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable; 2024.
- G. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2023.
- H. BHMA A156.115 - Hardware Preparation in Steel Doors and Frames; 2016.
- I. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- J. NAAMM HMMA 830 - Hardware Selection for Hollow Metal Doors and Frames; 2002.
- K. NAAMM HMMA 831 - Hardware Locations for Hollow Metal Doors and Frames; 2024.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced standards/guidelines.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Provide hollow metal doors and frames from SDI Certified manufacturer: <https://steeldoor.org/sdi-certified/#sle>.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Hollow Metal Doors and Frames:
 - 1. Curries, an Assa Abloy Group company; ____: www.assaabloydss.com/#sle.
 - 2. Steelcraft, an Allegion brand; ____: www.allegion.com/#sle.
 - 3. Substitutions: See Section 016000 - Product Requirements.

2.02 PERFORMANCE REQUIREMENTS

- A. Requirements for Hollow Metal Doors and Frames:
 - 1. Steel Sheet: Comply with one or more of the following requirements; galvanized steel complying with ASTM A653/A653M, cold-rolled steel complying with ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel complying with ASTM A1011/A1011M, commercial steel (CS) Type B, for each.
 - 2. Accessibility: Comply with ICC A117.1 and ADA Standards.

3. Exterior Door Top Closures: Flush end closure channel, with top and door faces aligned.
 4. Hardware Preparations, Selections and Locations: Comply with NAAMM HMMA 830 and NAAMM HMMA 831 or BHMA A156.115 and ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- B. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

2.03 HOLLOW METAL DOORS

- A. Door Finish: Factory primed and field finished.
- B. Exterior Doors: Thermally insulated.
1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
 - a. Level 3 - Extra Heavy-duty.
 - b. Physical Performance Level A, 1,000,000 cycles; in accordance with ANSI/SDI A250.4.
 - c. Model 1 - Full Flush.
 - d. Door Face Metal Thickness: 16 gauge, 0.053 inch, minimum.
 2. Door Core Material: Steel stiffeners at 4-6 inches oc..
 3. Door Thickness: 1-3/4 inches, nominal.

2.04 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

2.05 ACCESSORIES

- A. Louvers: Roll formed steel with overlapping frame; finish same as door components ; factory-installed.
- B. Temporary Frame Spreaders: Provide for factory- or shop-assembled frames.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.

END OF SECTION

**SECTION 099000
EXTERIOR AND HIGH PERFORMANCE PAINTS AND COATINGS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Exterior high-performance paint and coatings systems including surface preparation.
- B. Exterior paint and coating systems including surface preparation.

1.02 REFERENCE STANDARDS

- A. SSPC-SP 1 - Solvent Cleaning; 2015, with Editorial Revision (2016).
- B. SSPC-SP 2 - Hand Tool Cleaning; 2024.
- C. SSPC-SP 3 - Power Tool Cleaning; 2024.
- D. SSPC-SP 5/NACE No.1 - White Metal Blast Cleaning; 2006.
- E. SSPC-SP 6/NACE No.3 - Commercial Blast Cleaning; 2006.
- F. SSPC-SP 7/NACE No.4 - Brush-Off Blast Cleaning; 2006.
- G. SSPC-SP 10/NACE No.2 - Near-White Metal Wet Abrasive Blast Cleaning; 2006.
- H. SSPC-SP 11 - Power-Tool Cleaning to Bare Metal; 2020.
- I. SSPC-SP 13/NACE No.6 - Surface Preparation of Concrete; 2018.
- J. SSPC-SP 16 - Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals; 2020.

1.03 RELATED SECTIONS

- A. Section 04 20 00 - Unit Masonry: Concrete Masonry Units (CMU) and brick.
- B. Section 06 20 00 - Finish Carpentry.
- C. Section 06 40 00 - Architectural Woodwork.
- D. Section 08 11 13.16 - Custom Hollow Metal Doors and Frames.

1.04 REFERENCES

- A. Steel Structures Painting Council (SSPC):
 - 1. SSPC-SP 1 - Solvent Cleaning.
 - 2. SSPC-SP 2 - Hand Tool Cleaning.
 - 3. SSPC-SP 3 - Power Tool Cleaning.
 - 4. SSPC-SP 5/NACE No.1, White Metal Blast Cleaning.
 - 5. SSPC-SP 6/NACE No.3, Commercial Blast Cleaning.
 - 6. SSPC-SP 7/NACE No.4, Brush-Off Blast Cleaning.
 - 7. SSPC-SP 10/NACE No.2, Near-White Blast Cleaning.
 - 8. SSPC-SP 11, Power Tool Cleaning to Bare Metal.
 - 9. SSPC-SP12/NACE No. 5, Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating.
 - 10. SSPC-SP 13/NACE No.6 Surface Preparation for Concrete.
- B. Material Safety Data Sheets / Environmental Data Sheets: Per manufacturer's MSDS/EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

1.05 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: For each paint system indicated, including.
 - 1. Product characteristics.
 - 2. Surface preparation instructions and recommendations.
 - 3. Primer requirements and finish specification.
 - 4. Storage and handling requirements and recommendations.

5. Application methods.
6. Cautions for storage, handling and installation.
- C. Selection Samples: Submit a complete set of color chips that represent the full range of manufacturer's products, colors, and sheens available.
- D. Verification Samples: For each finished product specified, submit samples that represent the actual product, color, and sheen.
- E. Coating Maintenance Manual: Upon conclusion of project, the Contractor or paint manufacturer/supplier shall furnish a coating maintenance manual, such as Sherwin-Williams, "Custodian Project Color and Product Information" report or equal. Manual shall include an Area Summary with finish schedule, Area Detail designating where each product/color/finish was used, product data pages, Material Safety Data Sheets, care and cleaning instructions, touch-up procedures, and color samples of each color and finish used.

1.06 QUALITY ASSURANCE

- A. Installer Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.
- B. Paint exposed surfaces. If a color of finish, or a surface is not specifically mentioned, Architect will select from standard products, colors, and sheens available.
- C. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels unless indicated.
- D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 1. Finish surfaces for verification of products, colors, and sheens.
 2. Finish area designated by Architect.
 3. Provide samples that designate primer and finish coats.
 4. Do not proceed with remaining work until the DNR Architect and/or Field Engineer approves the mock-up.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver manufacturer's unopened containers to the work site. Packaging shall bear the manufacturer's name, label, and the following list of information.
 1. Product name, and type (description).
 2. Application and use instructions.
 3. Surface preparation.
 4. VOC content.
 5. Environmental handling.
 6. Batch date.
 7. Color number.
- B. Storage: Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
- C. Store materials in an area that is within the acceptable temperature range, per manufacturer's instructions. Protect from freezing.
- D. Handling: Maintain a clean, dry storage area, to prevent contamination or damage to the coatings.

1.08 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.09 EXTRA MATERIALS

- A. Furnish extra paint materials from the same production run as the materials applied and, in the quantities, described below. Package with protective covering for storage and identify with labels describing contents. Deliver extra materials to Owner.
- B. Furnish Owner with an additional one percent of each material and color, but not less than 1 gal (3.8 l) or 1 case, as appropriate.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Sherwin-Williams, which is located at: 101 Prospect Ave.; Cleveland, OH 44115; ASD Toll Free Tel: 800-524-5979; Tel: 216-566-2000; Fax: 440-826-1989; Email: request info specifications@sherwin.com; Web: www.swspecs.com.
- B. Requests for substitutions will be considered in accordance with the provisions of Section 01 60 00 - Product Requirements.

2.02 APPLICATIONS/SCOPE

- A. High Performance Exterior Paint and Coating Systems:
 - 1. Metal: Aluminum, galvanized steel.
 - 2. Wood: Beams, columns headers soffit and fascia.
 - 3. Masonry: Concrete masonry units, including split-face, scored, and smooth block.

2.03 PAINT MATERIALS - GENERAL

- A. Paints and Coatings:
 - 1. Unless otherwise indicated, provide factory-mixed coatings. When required, mix coatings to correct consistency in accordance with manufacturer's instructions before application. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.
 - 2. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color. Or follow manufactures product instructions for optimal color conformance.
- B. Primers: Where the manufacturer offers options on primers for a particular substrate, use a primer categorized as "best" by the manufacturer.
- C. Coating Application Accessories: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required, per manufacturer's specifications.
- D. Color: Refer to sheet notes for specified color and/or provide color samples in submittals matching existing finish color.

2.04 HIGH PERFORMANCE EXTERIOR PAINT AND COATING SYSTEMS

- A. Masonry; CMU: Concrete
 - 1. Urethane Systems; Waterbased:
 - a. Gloss Finish Single Component:
 - 1) 1st Coat: S-W Pro Industrial Pre-Catalyzed Waterbased Urethane Gloss, B65-120 Series.
 - 2) 2nd Coat: S-W Pro Industrial Pre-Catalyzed Waterbased Urethane Gloss, B65-120 Series (6.0-12.0 mils. wet. 1.9-3.8 mils. dry per coat).
- B. Metal: Pre-Prepared, Pre-coated Galvanized Steel.
 - 1. Alkyd Systems; Waterbased:
 - a. Gloss Finish:
 - 1) 1st Coat: S-W Emerald Urethane Trim Enamel Gloss.
 - 2) 2nd Coat: S-W Emerald Urethane Trim Enamel Gloss.(4.0-5.0 mils. wet, 1.4 - 1.7 mils. dry per coat).
- C. Wood: Pre-Prepared, Pre-Stained Columns, Beams, Headers, Soffit and Fascias

1. Stain; Water Reducible Systems:
 - a. Semi-Transparent:
 - 1) 1st Coat: S-W WoodScapes Exterior Polyurethane Semi-Transparent Stain, A15T00005.
 - 2) 2nd Coat: S-W WoodScapes Exterior Polyurethane Semi-Transparent Stain, A15T00005 (100-350 sq ft/gal).

2.05 SURFACE PREPARATION

- A. General: Surfaces shall be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint, or other contamination to ensure good adhesion.
 1. Prior to attempting to remove mildew, it is recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions are advised.
 2. Remove mildew before painting by washing with a solution of 1 part liquid household bleach and 3 parts of warm water. Apply solution and scrub the mildewed area. Allow solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective glasses or goggles, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach/water solution.
 3. Remove items including but not limited to thermostats, electrical outlets, switch covers and similar items prior to painting. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.
 4. No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50 degrees Fahrenheit, unless products are designed specifically for these conditions. On large expanses of metal siding, the air, surface, and material temperatures must be 50 degrees Fahrenheit or higher to use low temperature products.
- B. Block (Concrete): Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement, and hardeners. Concrete and mortar must be cured at least 30 days at 75 degrees Fahrenheit. The pH of the surface should be between 6 and 9 unless the products are designed to be used in high pH environments.
- C. Galvanized Metal: Clean per SSPC-SP 1 using detergent and water or a degreasing cleaner to remove greases and oils. Apply to a test area, priming as required. Allow the coating to dry at least one week before testing. If adhesion is poor, Brush Blast per SSPC-SP 16 is necessary to remove these treatments.
- D. Steel: Structural, Plate, And Similar Items: Should be cleaned by one or more of the surface preparations described below. These methods are used throughout the world for describing methods for cleaning structural steel. Visual standards are available through the Society of Protective Coatings. A brief description of these standards together with numbers by which they can be specified follow.
 1. Solvent Cleaning, SSPC-SP 1: Solvent cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation.
 2. Hand Tool Cleaning, SSPC-SP 2: Hand Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Beforehand tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP 1.
 3. Power Tool Cleaning, SSPC-SP 3: Power Tool Cleaning removes all loose mill scale, loose rust, and other detrimental foreign matter. It is not intended that adherent mill scale, rust, and paint be removed by this process. Before power tool cleaning, remove visible oil, grease, soluble welding residues, and salts by the methods outlined in SSPC-SP 1.

4. White Metal Blast Cleaning, SSPC-SP5 or NACE 1: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods.
 5. Commercial Blast Cleaning, SSPC-SP6 or NACE 3: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 33 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods.
 6. Brush-Off Blast Cleaning, SSPC-SP7 or NACE 4: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust, and loose paint. Tightly adherent mill scale, rust, and paint may remain on the surface. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods.
 7. Power Tool Cleaning to Bare Metal, SSPC-SP 11: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products, and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP 1, Solvent Cleaning, or other agreed upon methods.
 8. Near-White Blast Cleaning, SSPC-SP10 or NACE 2: A Near White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of rust, stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP 1 or other agreed upon methods.
 9. High- and Ultra-High Pressure Water Jetting for Steel and Other Hard Materials: SSPC-SP12 or NACE 5: This standard provides requirements for the use of high- and ultra-high pressure water jetting to achieve various degrees of surface cleanliness. This standard is limited in scope to the use of water only without the addition of solid particles in the stream.
 10. Water Blasting, SSPC-SP12/NACE No. 5: Removal of oil grease dirt, loose rust, loose mill scale, and loose paint by water at pressures of 2,000 to 2,500 psi at a flow of 4 to 14 gallons per minute.
- E. Wood: Wood prepared for finishing must be sanded, clean and dry. Clean existing wood surfaces prior to sanding, and remove all dust prior to finishing. Patch all nail holes and imperfections with a wood filler or putty and sand smooth.

2.06 INSTALLATION

- A. Apply all coatings and materials with the manufacturer's specifications in mind. Mix and thin coatings according to manufacturer's recommendations.
- B. Do not apply it to wet or damp surfaces. Wait at least 30 days before applying to new concrete or masonry. Or follow manufacturer's procedures to apply appropriate coatings prior to 30 days. Test new concrete for moisture content. Wait until wood is fully dry after rain or morning fog or dew.
- C. Apply coatings using methods recommended by manufacturer.

- D. Uniformly apply coatings without runs, drips, or sags, without brush marks, and with consistent sheen.
- E. Apply coatings at spreading rate required to achieve the manufacturers recommended dry film thickness.
- F. Regardless of the number of coats specified, apply as many coats as necessary for complete hide, and uniform appearance.
- G. Inspection: All coatings subject to inspection and rejection/approval by DNR Field Engineer and/or Architect.

2.07 PROTECTION

- A. Protect finished coatings from damage until completion of project.
- B. Touch-up damaged coatings after substantial completion, following manufacturer's recommendation for touch up or repair of damaged coatings. Repair any defects that will hinder the performance of the coatings.

END OF SECTION

**SECTION 102800
TOILET, BATH, AND LAUNDRY ACCESSORIES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Commercial toilet accessories.
- B. Residential toilet, shower, and bath accessories.
- C. Under-lavatory pipe supply covers.

1.02 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service; 2022.
- C. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2023.
- D. ASTM B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium; 2017 (Reapproved 2022).
- E. ASTM C1036 - Standard Specification for Flat Glass; 2021.
- F. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2018.
- G. ASTM C1503 - Standard Specification for Silvered Flat Glass Mirror; 2024.
- H. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2023d.
- I. ASTM F2285 - Standard Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use; 2022.
- J. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Submit data on accessories describing size, finish, details of function, and attachment methods.
- C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Commercial Toilet and Urinal Accessories:
 - 1. BOBRICK - B6806 SERIES GRAB BARS(42", 36" AND 18") PEENED SS TYPE.
 - 2. Substitutions: Section 016000 - Product Requirements.
- B. Under-Lavatory Pipe Supply Covers:
 - 1. Trubro Lav Guard 2.
- C. Electric Hand/Hair Dryers:
 - 1. Excel Dryer; Thin Air: www.exceldryer.com/#sle.
 - 2. Speedflow Plus; M06A.
 - 3. Substitutions: Section 016000 - Product Requirements.

2.02 MATERIALS

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
 - 1. Grind welded joints smooth.

2. Fabricate units made of metal sheet of seamless sheets with flat surfaces.
- B. Stainless Steel Sheet: ASTM A666, Type 304.
- C. Stainless Steel Tubing: ASTM A269/A269M, Grade TP304 or TP316.
- D. Mirror Glass: Annealed float glass, ASTM C1036 Type I, Class 1, Quality Q2, with silvering, protective and physical characteristics complying with ASTM C1503.
- E. Mirror Glass: Tempered safety glass, ASTM C1048; and ASTM C1036 Type I, Class 1, Quality Q2, with silvering as required. Stainless Steel Safety Frame.
- F. Adhesive: Two component epoxy type, waterproof.

2.03 FINISHES

- A. Stainless Steel: Satin finish, unless otherwise noted.
- B. Chrome/Nickel Plating: ASTM B456, SC 2, polished finish, unless otherwise noted.
- C. Back paint components where contact is made with building finishes to prevent electrolysis.

2.04 COMMERCIAL TOILET ACCESSORIES

- A. Soap Dispenser: Liquid soap dispenser, wall-mounted, surface, with stainless steel cover and horizontal stainless steel tank and working parts; push type soap valve, check valve, and window gauge refill indicator, tumbler lock.
 1. Minimum Capacity: 48 ounces.
- B. Mirrors: Stainless steel framed, 1/4 inch thick annealed float glass; ASTM C1036.
 1. Annealed Float Glass: Silvering, protective and physical characteristics in compliance with ASTM C1503.
 2. Size: match existing.
- C. Grab Bars: Stainless steel, smooth surface.
 1. Standard Duty Grab Bars:
 - a. Push/Pull Point Load: 250 pound-force, minimum.
 - b. Dimensions: 1-1/4 inch outside diameter, minimum 0.05 inch wall thickness, exposed flange mounting, 1-1/2 inch clearance between wall and inside of grab bar.
 - c. Length and Configuration: As indicated on drawings.
 - d. Products:
 - 1) Bobrick Series B6806.
 - 2) Substitutions: Section 016000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.
- C. For electrically-operated accessories, verify that electrical power connections are ready and in the correct locations.
- D. Verify that field measurements are as indicated on drawings.

3.02 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

3.03 INSTALLATION

- A. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.

3.04 PROTECTION

- A. Protect installed accessories from damage due to subsequent construction operations.

END OF SECTION

SECTION 123600 COUNTERTOPS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Wall-hung counters and vanity tops.

1.02 RELATED REQUIREMENTS

- A. Section 123530 - Residential Casework.

1.03 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2023d.
- B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).
- C. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.
- D. ISFA 2-01 - Classification and Standards for Solid Surfacing Material; 2013.
- E. ISFA 3-01 - Classification and Standards for Quartz Surfacing Material; 2013.
- F. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.
- G. PS 1 - Structural Plywood; 2023.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Specimen warranty.
- C. Shop Drawings: Complete details of materials and installation ; combine with shop drawings of cabinets and casework specified in other sections.
- D. Selection Samples: For each finish product specified, color chips representing manufacturer's full range of available colors and patterns.
- E. Test Reports: Chemical resistance testing, showing compliance with specified requirements.
- F. Certificate: Submit labels and certificates required by quality assurance and quality control programs.
- G. Installer's qualification statement.
- H. Installation Instructions: Manufacturer's installation instructions and recommendations.
- I. Maintenance Data: Manufacturer's instructions and recommendations for maintenance and repair of countertop surfaces.

1.05 QUALITY ASSURANCE

- A. Fabricator Qualifications: Natural Stone Institute (NSI) Accredited Natural Stone Fabricator; www.naturalstoneinstitute.org/#sle.
- B. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than three years of documented experience.
- C. Quality Certification:
 - 1. Provide labels or certificates indicating that the installed work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.
 - 2. Provide designated labels on shop drawings as required by certification program.
 - 3. Provide designated labels on installed products as required by certification program.

4. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.07 FIELD CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.01 COUNTERTOPS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Solid Surfacing Countertops: Solid surfacing sheet or plastic resin casting over continuous substrate.
 1. Flat Sheet Thickness: 3/4 inch, minimum.
 2. Solid Surfacing Sheet and Plastic Resin Castings: Complying with ISFA 2-01 and NEMA LD 3; acrylic or polyester resin, mineral filler, and pigments; homogenous, non-porous and capable of being worked and repaired using standard woodworking tools; no surface coating; color and pattern consistent throughout thickness.
 - a. Manufacturers:
 - 1) Formica Corporation: www.formica.com/#sle.
 - 2) Wilsonart: www.wilsonart.com/#sle.
 - 3) Substitutions: See Section 016000 - Product Requirements.
 - b. Finish on Exposed Surfaces: Semi-gloss, gloss rating of 25 to 50.
 - c. Color and Pattern: As selected by Architect from manufacturer's full line.
 3. Other Components Thickness: 1/2 inch, minimum.
 4. Exposed Edge Treatment: Built up to minimum 1-1/4 inch thick; marine edge.
 5. Back and End Splashes: Same sheet material, square top; minimum 4 inches high.
 6. Fabricate in accordance with manufacturer's standard requirements.

2.02 MATERIALS

- A. Plywood for Supporting Substrate: PS 1 Exterior Grade, A-C veneer grade, minimum 5-ply; minimum 3/4 inch thick; join lengths using metal splines.
- B. Adhesives: Chemical resistant waterproof adhesive as recommended by manufacturer of materials being joined.
- C. Joint Sealant: Mildew-resistant silicone sealant, white.

2.03 ACCESSORIES

- A. Fixed Top-Mounted Countertop Support Brackets:
 1. Material: Steel.
 2. Color: Black.
 3. Products:
 - a. Centerline Brackets; Front Mounting Countertop Support: www.countertopbracket.com/#sle.
 - b. Substitutions: See Section 016000 - Product Requirements.

2.04 FABRICATION

- A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.
 1. Join lengths of tops using best method recommended by manufacturer.

2. Fabricate to overhang fronts and ends of cabinets 1 inch except where top butts against cabinet or wall.
 3. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture holes.
- B. Provide back/end splash wherever counter edge abuts vertical surface unless otherwise indicated.
1. Secure to countertop with concealed fasteners and with contact surfaces set in waterproof glue.
 2. Height: 4 inches, unless otherwise indicated.
- C. Solid Surfacing: Fabricate tops and wall panels up to 144 inches long in one piece; join pieces with adhesive sealant in accordance with manufacturer's recommendations and instructions.
1. Integral sinks: Shop-mount securely to countertop with adhesives, using flush configuration, as per manufacturer's instructions, and as detailed on drawings.
- D. Wall-Mounted Counters: Provide skirts, aprons, brackets, and braces as indicated on drawings, finished to match.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

- A. Install vanities in accordance with manufacturer's instructions and approved shop drawings
- B. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.
- C. Seal joint between back/end splashes and vertical surfaces.

3.04 TOLERANCES

- A. Variation From Horizontal: 1/8 inch in 10 feet, maximum.
- B. Offset From Wall, Countertops: 1/8 inch maximum; 1/16 inch minimum.
- C. Field Joints: 1/8 inch wide, maximum.

3.05 CLEANING

- A. Clean countertops surfaces thoroughly.

3.06 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION

**SECTION 224000
PLUMBING FIXTURES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Wall hung urinals.
- B. Lavatories.
- C. Under-lavatory pipe supply covers.
- D. Outdoor showers.
- E. Bottle filling drinking fountains.

1.02 RELATED REQUIREMENTS

- A. Section 011000 - Summary: Owner-furnished fixtures.
- B. Section 079200 - Joint Sealants: Sealing joints between fixtures and walls and floors.

1.03 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ASME A112.18.1 - Plumbing Supply Fittings; 2024.
- C. ASME A112.18.9 - Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures; 2011 (Reaffirmed 2022).
- D. ASME A112.19.2 - Ceramic Plumbing Fixtures; 2024.
- E. ASSE 1014 - Performance Requirements for Backflow Prevention Devices for Hand-Held Showers; 2020.
- F. ASSE 1070 - Performance Requirements for Water Temperature Limiting Devices; 2020.
- G. ASTM C177 - Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus; 2019, with Editorial Revision (2023).
- H. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi; 2015, with Editorial Revision (2021).
- I. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- J. NSF 61 - Drinking Water System Components - Health Effects; 2024.
- K. NSF 372 - Drinking Water System Components - Lead Content; 2024.
- L. UL (DIR) - Online Certifications Directory; Current Edition.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide catalog illustrations of fixtures, sizes, rough-in dimensions, utility sizes, trim, and finishes.
- C. Manufacturer's Instructions: Indicate installation methods and procedures.
- D. Maintenance Data: Include fixture trim exploded view and replacement parts lists.
- E. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Accept fixtures on-site in factory packaging. Inspect for damage.

1.07 WARRANTY

- A. See Section 017800 - Closeout Submittals for additional warranty requirements.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Potable Water Systems: Provide plumbing fittings and faucets that comply with NSF 61 and NSF 372 for maximum lead content; label pipe and fittings.
- B. Water Efficiency: EPA WaterSense label is required for all water closets, urinals, lavatory faucets, and showerheads.
- C. Maximum Fixture or Faucet Supply Pressure: 60 psi unless stated otherwise.

2.02 REGULATORY REQUIREMENTS

- A. Comply with applicable codes for installation of plumbing systems.
- B. Comply with UL (DIR) requirements.

2.03 WALL HUNG URINALS

- A. Manufacturers:
 - 1. Zurn Industries, LLC; _____: www.zurn.com/#sle.
 - 2. Sloan; Washdown 0.13 gpf - top spud and flushometer. ADA compliant controls. Metered.
 - 3. Substitutions: See Section 016000 - Product Requirements.
- B. Vitreous china, ASME A112.19.2, wall hung with side shields and concealed carrier.
 - 1. Consumption Volume: 1.0 gal per flush, maximum.
 - 2. Flush Style: Washout.
 - 3. Flush Valve: Exposed (top spud).
 - 4. Flush Operation: Manual, push button or plate.
 - 5. Trapway Outlet: Integral.
 - 6. Removable stainless steel strainer.
- C. Flush Valves:
 - 1. Manufacturers:
 - a. Sloan Valve Company; _____: www.sloanvalve.com/#sle.
 - b. Zurn Industries, LLC; ZEMS Series: www.zurn.com/#sle.
 - c. Substitutions: See Section 016000 - Product Requirements.

2.04 LAVATORIES

- A. Manufacturers:
 - 1. Kohler Company; Farmington - White - Faucet: ADA Compliant, Metered Type: www.kohler.com/#sle.
 - 2. Substitutions: See Section 016000 - Product Requirements.

2.05 UNDER-LAVATORY PIPE SUPPLY COVERS

- A. Manufacturers:
 - 1. Substitutions: See Section 016000 - Product Requirements.
- B. General:
 - 1. Insulate exposed drainage piping including hot, cold and tempered water supplies under lavatories or sinks per ADA Standards.
 - 2. Construction: 1/8 inch PVC with antimicrobial, antifungal and UV resistant properties.
 - a. Comply with ASME A112.18.9 for covers on accessible lavatory piping.
 - b. Comply with ICC A117.1.
 - c. Thermal Resistance: R value of 0.504 or lower when tested by ASTM C177.
 - d. Microbial and Fungal Resistance for Interior and Exterior: Comply with ASTM G21.
 - 3. Color: High gloss white.

4. Fasteners: Reusable, snap-locking fasteners with no sharp or abrasive external surfaces.
No cable ties allowed.

2.06 OUTDOOR SHOWERS

- A. Manufacturers:
 1. MDF - Model 590smss.
 2. Substitutions: See Section 016000 - Product Requirements.
- B. General Requirements:
 1. Comply with ASME A112.18.1.
 2. 4- SHOWER STATION SHOWER/1-STATION FOOT WASH TOWER WITH PUSH BUTTON, SELF CLOSING VALVES(PROVIDE NEW CARRIER AND DRAIN-DOWN VALVE) - Color: CHROME

2.07 BOTTLE FILLING DRINKING FOUNTAINS

- A. Manufacturers:
 1. Elkay Manufacturing Company; MODEL: EZLMNSSM: www.elkay.com/#sle.
 2. Substitutions: See Section 016000 - Product Requirements.

2.08 HOSE BIB BOXES

- A. Manufacturers:
 1. Outdoor Shower Company; _____: www.outdoorshowerco.com/#sle.
 2. Substitutions: See Section 016000 - Product Requirements.
- B. Material: 316 stainless steel.
- C. Finish: Satin.
- D. Mount in wall fully recessed.
- E. Provide with NPT PVC ball valves and fittings.
- F. Provide with internal hose drain bracket and waste outlet.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that walls and floor finishes are prepared and ready for installation of fixtures.

3.02 INSTALLATION

- A. Install components level and plumb.

3.03 ADJUSTING

- A. Adjust stops or valves for intended water flow rate to fixtures without splashing, noise, or overflow.

3.04 CLEANING

- A. Clean plumbing fixtures and equipment.

3.05 PROTECTION

- A. Protect installed products from damage due to subsequent construction operations.
- B. Do not permit use of fixtures by construction personnel.
- C. Repair or replace damaged products before Date of Substantial Completion.

END OF SECTION

CONSTRUCTION DRAWINGS FOR:

BEACH SIDE RESTROOM REPAIRS

PROJECT # 23-03-17-11

CONSERVATION AND RECREATION DIVISION
LAND AND WATERS BUREAU



ARCHITECTURAL	
A001	COVER SHEET
A002	SITE PLAN AND LOCATION MAP
A003	WALL TYPES AND NOTES
A004	ACCESSIBLE DESIGN STANDARDS
A010	DEMOLITION PLAN
A100	FLOOR PLAN
A110	REFLECTED CEILING PLAN
A200	EXTERIOR ELEVATIONS
A300	ROOF PLAN
A401	INTERIOR ELEVATIONS

PROJECT DATA - RESTROOM BUILDING	
<u>OCCUPANT LOAD:</u>	<u>MEANS OF EGRESS:</u>
GROUP U - UTILITY	MIN. REQ'D # OF EXITS = 1 (IBC TABLE 1021.1)
440 SF BUILDING/50 GROSS OCCUPANCY LOAD FACTOR = 9 OCCUPANTS (I.B.C. TABLE 1004.1.2)	MAX TRAVEL DISTANCE = 200' (IBC 1016.1)
	DEAD-END CORRIDOR = 20' MAX (IBC 1016.4)
<u>FIXTURES:</u>	MIN. CORRIDOR WIDTH = 36" CLEAR
PROVIDED/EXISTING: (3)THREE WATER CLOSETS	MIN. CLEAR OPENINGS FOR EXIT DOORS = 32" (ACTUAL 36")
PROVIDED/EXISTING: (1)ONE URINAL	<u>FIRE EXTINGUISHERS:</u>
PROVIDED/EXISTING: (2)TWO LAVATORIES	THE NUMBER AND LOCATIONS OF FIRE EXTINGUISHERS TO BE DETERMINED BY THE FIRE MARSHAL PRIOR TO CERTIFICATE OF OCCUPANCY.
	<u>BUILDING:</u>
	ADDRESS: 6490 SOUTH SHORE DRIVE, CLEAR LAKE, IOWA 50428
	CERRO GORDO COUNTRY
	USE - RESTROOM/SHOWER BUILDING - UTILITY
	BUILDING CONSTRUCTION - TYPE V-B (W/OUT AUTOMATIC SPRINKLER SYSTEM)
	NUMBER OF STORIES - 1 STORY
	BUILDING HEIGHT - 12'-0"
	BUILDING AREA - 440 GROSS SQUARE FEET
	BUILDING OCCUPANCY - GROUP U

DIRECTORY			
OWNER		DISTRICT INSPECTOR	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES
ADDRESS	6200 PARK AVENUE STE. 200	ADDRESS	6200 PARK AVENUE STE. 200
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	DES MOINES, IA 50319
CONTACT	N/A	CONTACT	KEN HOWE
TELEPHONE	515.725.8200	TELEPHONE	319.240.3553
FAX	515.725.8202	FAX	-
EMAIL	N/A	EMAIL	KENNETH.HOWE@DNR.IOWA.GOV
ARCHITECT		ELECTRICAL DESIGNER	
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	
ADDRESS	6200 PARK AVENUE STE. 200	ADDRESS	
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	
CONTACT	BRIAN PHIPPS	CONTACT	
TELEPHONE	515.452.9438	TELEPHONE	
FAX	-	FAX	
EMAIL	BRIAN.PHIPPS@DNR.IOWA.GOV	EMAIL	
MECHANICAL ENGINEER		ELECTRICAL ENGINEER	
COMPANY		COMPANY	
ADDRESS		ADDRESS	
CITY,STATE,ZIP		CITY,STATE,ZIP	
CONTACT		CONTACT	
TELEPHONE		TELEPHONE	
FAX		FAX	
EMAIL		EMAIL	
COMPANY	-	COMPANY	-
ADDRESS	-	ADDRESS	-
CITY,STATE,ZIP	-	CITY,STATE,ZIP	-
CONTACT	-	CONTACT	-
TELEPHONE	-	TELEPHONE	-
FAX	-	FAX	-
EMAIL	-	EMAIL	-



- ENGINEERING SERVICES -
6200 PARK AVENUE STE. 200
DES MOINES, IA 50321
P: 515.725.8200
F: 515.725.8202

CLEAR LAKE STATE PARK

5999 SOUTH SHORE COURT
CLEAR LAKE, IOWA 50428

Date	Description
10-02-2025	FOR CONSTRUCTION
DRAWN BY:	PROJECT NUMBER:
BDP	23-03-17-11
CHK'D BY:	DATE:
	10-02-2025
SHEET No:	
A001	



- 1 BUILDING TO RECEIVE NEW STANDING SEAM METAL ROOF TO REPLACE ASPHALT SHINGLE ROOF
- 2 REPLACE SHOWER TOWER
- 3 CLEAN AND SEAL CONCRETE WALKWAY (APPROX. 1300 SF)
- 4 CLEAN AND ROUTE EXISTING CONCRETE EXPANSION JOINTS. REPLACE BACKER ROD AND SEALANT.
- 5 REMOVE SEALANT AND BACKING MATERIAL FROM EXISTING BUILDING PERIMETER EXPANSION JOINTS. CLEAN JOINT AND REPLACE BACKER ROD AND SEALANT.

5999 SOUTH SHORE COURT
CLEAR LAKE, IOWA 50428

Date	Revision
DRAWN BY: BDP	PROJECT NUMBER: 23-03-17-11
CHECK'D BY:	DATE: 10-02-2025
SHEET No:	

A002

DIMENSION NOTES	
1.	AT SOME INTERIOR SPACES THE ACTUAL DIMENSIONS MAY BE LESS IMPORTANT THAN HAVING THE ELEMENTS BE EQUAL IN DISTANCE. IN THESE CASES, THE WORD "EQUAL OR EQ" IS USED IN LIEU OF THE ACTUAL DIMENSIONS.
2.	WHEN A ROOM CENTERLINE IS INDICATED ONLY ONE SIDE OF ROOM ELEMENTS MAY BE DIMENSIONED.
3.	COLUMN IDENTIFICATION: DETAILS WILL GOVERN ALL DIMENSIONS. DIMENSIONS MAY NOT BE SHOWN ON SMALL SCALE PLANS.
4.	PARTITIONS CENTERED ON COLUMN OR GRID LINES MAY NOT BE DIMENSIONED ON SMALL SCALE PLANS.
5.	PARTITIONS WITH A FINISHED FACE FLUSH WITH FINISH FACE OF COLUMN MAY NOT BE DIMENSIONED ON SMALL SCALE PLANS.
6.	PARTITIONS WITH FINISH FACE ON COLUMN OR GRID LINES WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS.
7.	WHEN ONE JAMB OCCURS AT A COLUMN OR GRID LINE NO DIMENSIONS WILL BE SHOWN ON THE SMALL SCALE PLANS. THE OPENING WIDTH WILL BE GOVERNED BY CRITERIA OR SCHEDULES.
8.	WHEN NEITHER JAMB OCCURS AT A COLUMN OR GRID LINE ONE JAMB WILL BE DIMENSIONED.
9.	DOOR LOCATIONS ARE TO BE LOCATED BY ONE OF THE FOLLOWING: a. ALL DOOR JAMB FRAMING NEAR PERPENDICULAR WALLS ARE 4 INCHES FROM FACE OF PERPENDICULAR WALL TYPICAL. b. OR AS DIMENSIONED ON PLAN.
10.	PARTITIONS ARE DIMENSIONED TO FACE OF CMU OR FACE OF STUD UNLESS NOTED.
11.	DIMENSIONS ARE INDICATED IN THE DOCUMENTS. THE DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

MATERIAL LEGEND			
	EARTH		STEEL
	COMPACTED EARTH		ALUMINUM
	COMPACTED GRANULAR FILL		PARTICLE BOARD
	CLAY		PLYWOOD
	CONCRETE		CARPET
	CONCRETE BLOCK (CMU)		BATT INSULATION
	MASONRY/BRICK		FOAM INSULATION
	METAL STUD		RIGID INSULATION
			GYPSUM
			STUCCO
			GROUT
			TURF
			PLASTIC
			ACOUSTICAL CEILING TILE
			UNFINISHED WOOD
			FINISHED WOOD
			SAND
			CRUSHED STONE
			CAST STONE/STONE
			STONE
			GLASS
			WOOD BLOCKING
			CONTINUOUS WOOD

SYMBOL		LEGEND	
	NORTH ARROW		ROOM/SPACE IDENTIFICATION
	DRAWING / DETAIL IDENTIFICATION		DOOR TAG
	SECTION REFERENCE		WINDOW TAG
	DETAIL CALLOUT		WALL TYPE REFERENCE
	INTERIOR/EXTERIOR ELEVATION		NOTE REFERENCE
	ELEVATION TARGET		PROPERTY LINE REFERENCE
	COLUMN GRID		CENTER LINE REFERENCE
	MATCH LINES		LEVEL CHANGE REFERENCE
	DEMOLISHED		DETAIL CUT LINE
	NEW CONSTRUCTION		REVISION NUMBER AND CLOUD
	EXISTING CONSTRUCTION		

GENERAL NOTES

THE FOLLOWING GENERAL NOTES SHALL PERTAIN TO THE ENTIRE SET OF CONTRACT DOCUMENTS:

1. A GENERAL CONTRACTOR SHALL NOTE THAT THE ARCHITECTURAL DRAWINGS ESTABLISH A MINIMUM MATERIAL AND CONSTRUCTION METHOD STANDARD. THE GENERAL CONTRACTOR SHALL PROVIDE A BID PRICE BASED ON THE SPECIFIC MATERIALS NOTED.
2. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
3. GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PERFORM THEIR WORK IN ACCORDANCE WITH ALL APPLICABLE CODES GOVERNING EACH TRADE.
4. THE CONTRACTOR SHALL MAINTAIN A CLEAN AND ORGANIZED JOB SITE, ACCEPTABLE TO THE OWNER.
5. THE CONTRACTOR SHALL COORDINATE THE SEQUENCE OF WORK WITH THE OWNERS REPRESENTATIVE.
6. THERE SHALL BE NO DEVIATION BY THE GENERAL CONTRACTOR FROM THE CONSTRUCTION DOCUMENTS UNLESS APPROVED IN WRITING BY THE ARCHITECT.
7. EACH CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO THE INITIATION OF WORK AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONDITIONS INTERFERING WITH THE ABILITY OF THE CONTRACTOR TO COMPLETE WORK AS OUTLINED ON THE CONSTRUCTION DRAWINGS.
8. INTERFERING CONTRACTOR WORKS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH OTHER TRADES ON THE JOBSITE. ADDITIONAL COSTS INCURRED DUE TO LACK OF COORDINATION ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE EXISTING BUILDING WATER TIGHT DURING CONSTRUCTION.
10. THE CONTRACTOR WILL VERIFY THAT EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT ALL PHASES OF CONSTRUCTION.
11. PLAN DIMENSIONS ARE GIVEN TO CENTER OF STUD OR TO FACE OF BLOCK WALL. "CLEAR" DIMENSIONS ARE GIVEN TO WALL FACE.
12. THE OWNER WILL ASSUME ALL LIABILITY AND SHALL TAKE PERSONAL RESPONSIBILITY FOR ANY DECISIONS THAT THEY MAKE TO CHANGE OR ALTER THE CONSTRUCTION DOCUMENTS WITHOUT THE ARCHITECT'S WRITTEN APPROVAL.
13. PROTECT ALL EXISTING FINISHES AND MATERIALS TO REMAIN IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICES, MANUFACTURER RECOMMENDATIONS, OR AS DIRECTED BY THE ARCHITECT.
14. CUTTING OF EXISTING CONSTRUCTION FOR THE INSTALLATION OF ALL NEW WORK BY ALL TRADES, AND THE SUBSEQUENT PATCHING THEREOF, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, REGARDLESS OF WHETHER GENERAL CONTRACTOR PERFORMS THE WORK. GRINDING OF MATERIALS FOR REMOVAL SHALL NOT BE PERMITTED. CUTTING SHALL BE TO STRAIGHT LINE. UNWORKMAN-LIKE CUTTING, DAMAGE RESULTING THEREFROM AND UNWORKMAN-LIKE PATCHING SHALL BE REPAIRED AND/OR REPLACED TO AN ACCEPTABLE CONDITION APPROVED BY THE ARCHITECT. AN OWNER PROJECT REPRESENTATIVE SHALL BE NOTIFIED PRIOR TO CUTTING OF ANY STRUCTURAL ITEM (I.E. CONCRETE FLOOR, MASONRY, WALL, ETC.) WITHIN THE EXISTING BUILDING. METHOD OF CUTTING SHALL BE APPROVED BY THE OWNERS PROJECT REPRESENTATIVE.
15. PATCHING MATERIAL SHALL MATCH EXISTING ADJACENT MATERIALS AS CLOSELY AS POSSIBLE IN COLOR, PATTERN, AND/OR TEXTURE.
16. ALL SALVAGE MATERIALS REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL NON-SALVAGE CONSTRUCTION MATERIALS AND DEBRIS FROM DEMOLITION WORK SHALL BE REMOVED FROM THE SITE AS WORK PROGRESSES, UNLESS OTHERWISE NOTED.
17. ISOLATE ALL DISSIMILAR MATERIALS. GENERAL CONTRACTOR SHALL REQUEST APPROVAL BY THE ARCHITECT FOR THIS PRIOR TO INSTALLATION.
18. SEALANTS SHALL BE COMPATIBLE WITH ADJACENT SURFACE(S) THAT ARE IN CONTACT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS AND PROCEDURES.
19. CAULK JOINTS OF DISSIMILAR EXPOSED TO VIEW MATERIALS AS REQUIRED BY THE ARCHITECT.
20. ALL DOOR HARDWARE TO BE 2010 AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANT.
21. ALL EXTERIOR WALLS, DOORS AND WINDOWS ARE EXISTING U.O.
22. ALL FINISHES TO BE PER CLASS INDICATED IN SPECIFICATIONS.
23. NO CONSTRUCTION SHALL OCCUR WITHOUT ARCHITECT'S SHOP DRAWING APPROVAL. GENERAL CONTRACTOR TO PROVIDE REVIEWED, SIGNED AND DATED SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND APPROVAL. SHOP DRAWINGS SHALL BE PROVIDED FOR, BUT NOT LIMITED TO, THE FOLLOWING:
 - CABINETRY MILLWORK
 - RUNNING TRIM AND CASING PROFILES
 - PAINT/STAIN/LAMINATE COLOR SAMPLES
 - ROOFING SYSTEM COMPONENTS AND LAYOUT
 - TOILET ACCESSORIES
 - KITCHEN EQUIPMENT
 - ROOF PENETRATIONS
 - HVAC EQUIPMENT
 - PLUMBING EQUIPMENT AND FIXTURES
 - ELECTRICAL EQUIPMENT AND FIXTURES
24. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL SUBMIT (2) COPIES OF MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL PRODUCTS USED TO PERFORM THE WORK.
25. ALL CLEANING SOLUTIONS, PROTECTIVE COATINGS AND STAINING SHOULD BE TEST APPLIED TO A SMALL AREA PRIOR TO FULL APPLICATION TO PREVENT DAMAGE TO EXISTING WOOD, STONE, CONCRETE OR MASONRY. DO NOT USE PRODUCTS, EVEN THOSE SPECIFIED, IF DAMAGE OR UNDESIRABLE RESULTS OCCUR AT SMALL TEST AREA AFTER APPLICATION. CONSULT ARCHITECT FOR ALTERNATIVE METHODS OR PRODUCTS.

VERIFY ALL ACTUAL LOCATIONS AND ELEVATIONS WITH DNR ENGINEER.

ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES.

THE CONTRACTOR SHALL VISIT THE SITE AND INSPECT THE PROJECT AREA AND THOROUGHLY FAMILIARIZE THEMSELVES WITH THE ACTUAL JOB CONDITIONS PRIOR TO BIDDING AND THE START OF WORK. FAILURE TO VISIT THE PROJECT SITE SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL VERIFY, AT THE SITE, ALL DIMENSIONS AND CONDITIONS SHOWN ON THE PLANS AND SHALL NOTIFY THE DNR ENGINEER OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIAL (EXCAVATED MATERIAL OR BROKEN CONCRETE). NO PAYMENT FOR OVERHAUL WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES. NO MATERIAL SHALL BE PLACED WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY STATED IN THE PLANS OR APPROVED BY THE DNR ENGINEER.

THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING AND SERVICE AREAS WILL BE SUBJECT TO THE APPROVAL OF THE DNR ENGINEER.

WHERE UTILITIES AND FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE DNR ENGINEER OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL BE AFFORDED ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE THEIR LOCATIONS MUST BE ASSUMED TO BE CORRECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF UTILITIES PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.

THE CONTRACTOR SHALL SHAPE GRADED AREA TO MAINTAIN SURFACE DRAINAGE. ALL ELEVATIONS ARE TO FINISH FLOOR.

THE CONTRACTOR IS EXPECTED TO HAVE MATERIALS, EQUIPMENT, AND LABOR AVAILABLE ON A DAILY BASIS TO INSTALL AND MAINTAIN EROSION CONTROL FEATURES ON THE PROJECT. THIS MAY INVOLVE SEEDING, SILT FENCE, ROCK DITCH CHECKS, SILT BASINS OR SILT DIKES.

*DIVISIONS 20-41 OF THE STANDARD SPECIFICATIONS FOR BRIDGE AND HIGHWAY CONSTRUCTION, CURRENT EDITION WITH GS-15011 SHALL APPLY TO THIS PROJECT.

Date	Revision
10-02-2025	FOR CONSTRUCTION
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A003



DEMOLITION PLAN

A010


$$\frac{3}{8}'' = 1'-0''$$

A100



REFLECTED CEILING PLAN

A110



- 1 REPLACE DOOR CLOSER WITH SIMILAR, OUTDOOR USE TYPE CLOSER.
- 2 REPLACE ELECTRICAL BOX COVER WITH SIMILAR OUTDOOR TYPE COVER.
- 3 NEW POWER VENTILATION SYSTEM WITH WOOD/PRIMAFACTORY FINISH: BLACK). BASIS OF DESIGN FAN: GREENEHECK 51-12-4326. FAN ACTUATED BY OCCUPANT SENSOR AND HAVING A SHUT-OFF TIMER AT 30 MIN.
- 4 REPLACE DOOR HANDLES AND LOCKSETS WITH NEW. NEW HANDLES AND LOCKSETS TO BE STAINLESS STEEL CONSTRUCTION AND SIMILAR IN DESIGN TO THOSE THAT WERE REMOVED.
- 5 REPLACE DOOR GRILLS AND METAL TRIM. PAINT 2 COATS SHERWIN-WILLIAMS EMERALD URETHANE TO MATCH EXISTING COLOR.
- 6 NEW 1 3/4" 20 GAUGE STEEL STIFFENED CORE STEEL DOOR SLABS. PAINT DOOR SLABS 2 COATS EACH SHERWIN-WILLIAMS EMERALD URETHANE TO MATCH EXISTING COLOR.
- 7 EXISTING FRAMES TO REMAIN. PAINT FRAMES 2 COATS SHERWIN-WILLIAMS EMERALD URETHANE TO MATCH EXISTING COLOR.
- 8 CLEAN ALL EXTERIOR SPLIT-FLAID BOARD. REFER TO SPECIFICATIONS FOR CLEANING PROCEDURE.
- 9 APPLY 2 COATS SHERWIN-WILLIAMS - WOODSCAPES EXTERIOR POLYURETHANE SEMI-TRANSPARENT STAIN - WALNUT BROWN - MATTE TO ALL WOOD COLUMNS AND BEAMS.
- 10 APPLY SEALANT AND BACKER ROD TO BUILDING PERIMETER JOINT AFTER REMOVAL OF OLD SEALANT AND CLEANING OF JOINTS. SEE SPECIFICATIONS FOR SEALANT TYPES AND MANUFACTURERS.
- 11 APPLY 2 COATS SHERWIN-WILLIAMS - WOODSCAPES EXTERIOR POLYURETHANE SEMI-TRANSPARENT STAIN - WALNUT BROWN - MATTE TO ALL WOOD FASCIA AND SOFFITS.
- 12 REPLACE ALL PASSIVE VENTILATION GRILLS(10 TOTAL) WITH NEW. NEW GRILLS TO BE OF SIMILAR SIZE, DESIGN AND FINISH AS EXISTING.
- 13 APPLY 2 COATS SHERWIN-WILLIAMS - WOODSCAPES EXTERIOR POLYURETHANE SEMI-TRANSPARENT STAIN - WALNUT BROWN - MATTE TO ALL WOOD HEADERS.
- 14 INSPECT WINDOWS FOR DAMAGE AND DETERIORATION. REPLACE CAULKING AT PERIMETERS OF WINDOWS WITH NEW. SEE SPECIFICATIONS FOR SEALANT TYPES AND MANUFACTURERS.
- 15 CLEAN WINDOW SILLS. REPAIR DAMAGED SILL STONE WHERE NECESSARY. SEE SPECIFICATIONS FOR SEALANT TYPES AND MANUFACTURERS.
- 16 NEW BOTTLE FILLER STATION. BASIS OF DESIGN: ELKAY EZLW5MM
- 17 NEW STANDING SEAM METAL ROOF. SEE SHEET A300.
- 18 INSTALL NEW SHOWER TOWER. NEW TOWER TO HAVE FOUR(4) SHOWER STATIONS AND ONE FOOT WASH TOWER. BASIS OF DESIGN: MDF MODEL 590 SMS. PROVIDE COMPATIBLE TOWER CARRIER AND DRAIN DOWN OUTLET VALVE.
- 19 INSTALL NEW HOSE BIB FXTURE WITH NEW, SIMILAR FIXTURE.
- 20 EXISTING DRINKING FOUNTAIN TO BE REMOVED.
- 21 REPLACE SECURITY LIGHT WALL PACK WITH NEW LED TYPE. BASIS OF DESIGN: LITRONIC LITEX LITEX MPV-1 STD - BLACK
- 22 CLEAN ALL CONCRETE WALK SURFACES AROUND BEACH HOUSE.
- 23 REPLACE/REPAIR 1X WOOD FASCIA AND PLYWOOD ROOF SHEATHING WHERE DAMAGED.
- 24 REPLACE DRAIN COVERS WITH NEW EXTERIOR BRASS COVER OR APPROVED DESIGN.
- 25 REPLACE PHOTO CELL WITH SIMILAR OUTDOOR USE UNIT.

IOWA DEPARTMENT OF
NATURAL RESOURCES

- ENGINEERING SERVICES -
6200 PARK AVENUE STE. 200
DES MOINES, IA 50321
P: 515.725.8200
F: 515.725.8202



EXTERIOR ELEVATIONS

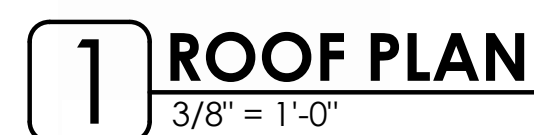
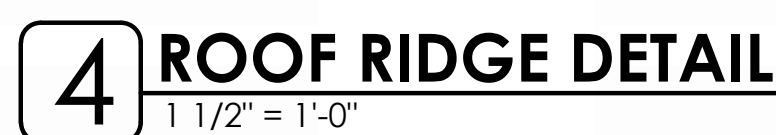
BEACH SIDE RESTROOM REPAIRS

CLEAR LAKE STATE PARK

5999 SOUTH SHORE COURT
CLEAR LAKE, IOWA 50428

Date	Revision
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A200



- 1 REMOVE SHINGLES AND UNDERLAYMENT FROM EXISTING ROOF. REPAIR ALL DAMAGED PLYWOOD AND PREP SURFACE FOR APPLICATION OF ROOFING UNDERLAYMENT AND STANDING SEAM ROOF.
- 2 VENTILATED ROOF RIDGE CAP
- 3 PREFINISHED METAL BRAKE METAL WRAPPED TO FIRST ROOFING PANEL SEAM. PT 2X4 BLOCKING SUPPORTS BENEATH AT 12" OC.

IOWA DEPARTMENT OF
NATURAL RESOURCES

- ENGINEERING SERVICES -
6200 PARK AVENUE STE. 200
DES MOINES, IA 50321
P: 515.725.8200
F: 515.725.8202



ROOF PLAN

BEACH SIDE RESTROOM REPAIRS

BEACH SIDE RESTROOM REPAIRS

5999 SOUTH SHORE COURT

CLEAR LAKE, IOWA 50428

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A300

