

**ROCKLAND GREEN
172 Main Street
Nanuet, NY 10954**

REQUEST FOR PROPOSALS

RFP 2025-08

**New Fabricated Steel Pedestrian Bridge
&
Deflector Plate Improvements
At the
Clarkstown Transfer Station**

December 4, 2025

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RECEIPT CONFIRMATION

[This form must be completed by each member of the Proposer team]

PLEASE COMPLETE AND RETURN THIS CONFIRMATION FORM WITHIN FIVE (5) BUSINESS DAYS OF RECEIVING THE RFP PACKAGE TO:

Dee Louis, Engineer II

Rockland Green

172 Main Street

Nanuet, NY 10954

Phone: (845) 753-2200 (Ext. 613)

Fax: (845) 753-2281

Email: dlouis@rocklandgreen.com

Failure to return this form may result in no further communication or addenda regarding this RFP.

Company Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Contact: _____

Phone Number: _____ Fax Number: _____

Email: _____

I have received a copy of the above noted Proposal.

_____ We will be submitting a Proposal (for RFP #2025-08)

_____ We will NOT be submitting a Proposal (please indicate reason)

I authorize Rockland Green to send further correspondence that Rockland Green deems to be of an urgent nature by the following method:

Courier Collect: _____ Mail: _____

Signature: _____

Title: _____

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NOTICE TO PROPOSERS

Request For Proposals (RFP) # 2025-08

**New Fabricated Steel Pedestrian Bridge & Deflector Plate Improvements
At the
Clarkstown Transfer Station**

NOTICE IS HEREBY GIVEN THAT Rockland Green is seeking proposals for fabrication of a steel pedestrian bridge and deflector plate improvements at the Clarkstown Transfer Station in West Nyack, New York. The Request for Proposal ("RFP") document # RFP 2025-08 may be obtained from the offices of Rockland Green located at 166 S. Route 303, West Nyack, NY 10994 between the hours of 9:00 AM and 4:00 PM, Monday through Friday, except holidays, on or after December 4, 2025.

A pre-proposal construction meeting is scheduled for December 10, 2025, at 3:30 p.m. at the Clarkstown Transfer Station. Attendance is mandatory. Contact Dee Louis, Engineer II, at (845) 753-2200 ext. 613 for details.

Sealed proposals will be received by Rockland Green until January 7, 2026, at 2:00 p.m. local time, in the offices of Rockland Green, located at 166 S. Route 303 West Nyack, NY 10994. Any proposals not delivered in person should be mailed to Dee Louis, Engineer II, Rockland Green, 166 S. Route 303 West Nyack, NY 10994. All proposals shall be submitted in sealed envelopes and shall be plainly marked on the outside with the statement "RFP 2025-08" with the Proposer's name and the title of the RFP. The attention of the Proposers is directed to the applicable federal, state, and local law requirements and to the "Affidavit of Non-Collusion" in the proposal forms. Rockland Green encourages the fullest possible utilization of minority and women's business enterprises (M/WBE's).

By order of
Rockland Green
166 S. Route 303
West Nyack, NY 10994

By: Gerard M. Damiani, Jr., Executive Director

I. PURPOSE OF RFP

Rockland Green is issuing this Request for Proposals (“RFP”) to companies who are interested in providing the services described herein.

II. BACKGROUND

Rockland Green is a public benefit corporation organized and existing under the laws of the State of New York. Rockland Green’s purpose, as reflected in its mission statement, is to “develop the education, programs, and technology to lead the waste prevention, recovery, responsible disposal movement, and animal management services in Rockland County.” Rockland Green owns and operates multiple facilities that handle various types of waste streams throughout the county. These include the following operations at the West Nyack (Clarkstown) Transfer Station:

- A Municipal Solid Waste Transfer Station for collection and transfer of solid waste and construction and demolition debris (the largest transfer station in the county).
- A Yard Waste Composting Facility which produces compost from leaves and other green waste.
- A mulch processing area that produces wood chips from brush and trees (the area where the culvert replacement work is scheduled to be completed).
- A concrete and asphalt crushing operation that recycles demolished concrete and asphalt debris. This is adjacent to the mulch processing area.

The transfer stations are used by commercial haulers and residents as convenient local disposal points for municipal solid waste (MSW), construction & demolition debris (C&D), and some recyclable products. The delivered waste products are loaded into larger transport vehicles and sent to an out-of-county private landfill or local recycling processing facilities. Given the daily waste disposal needs in the county, it is essential that these facilities remain operational with minimal disruption to public service.

At the Clarkstown Transfer Station, MSW transfer vehicles are loaded within a “drive through tunnel” that allows open top truck trailers to be filled, weighed, and covered (using tarps) from within the building. To cover the truck trailers, a pedestrian bridge is used to access both sides of the tunnel at a height where loaded trucks travel under the pedestrian bridge. The current

pedestrian bridge was built using pressure treated lumber as a temporary structure after completion of other internal improvements at the transfer station. Rockland Green intends to replace the wooden pedestrian bridge with a steel pedestrian bridge.

In addition, existing steel deflector plates located along the back side of the tunnel have experienced wear and tear over the years and require replacement or repair. These are used to protect the exterior building wall and to direct MSW into the haul vehicles when filling the trailers from the tip floor.

III. SCOPE OF SERVICES SUMMARY

Rockland Green's objective is to execute a contract with a qualified proposer to provide the following services:

- A. The Proposer shall furnish all materials, equipment, and labor for installing the following items, all in accordance with the drawings, specifications, and requirements of RFP-2025-08.
- B. Remove and salvage the existing wood framed pedestrian bridge. Proposer shall provide all rigging, equipment, and personnel to safely remove the existing wooden pedestrian bridge and store at a location inside the Clarkstown Transfer Station building where directed by Rockland Green.
- C. Fabricate and install a new galvanized steel pedestrian bridge, including beams, embedded anchors, C-channel supports, protective plates, and a 1-1/2 inch galvanized steel I-Bar Grating, complete, all in accordance with the drawings and technical specifications prepared by EDR (Engineer).
- D. Fabricate and install new 1-1/2 inch diameter galvanized steel post and pipe railing on each side of the bridge and extended from the existing rails. The openings between the new railings and the existing railings shall be closed using rail and post extensions as shown on the drawings and approved by Rockland Green.

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- E. Remove damaged deflector plates and fabricate and install new steel deflector plates (complete) along the back side of the truck loadout tunnel in accordance with the drawings and specifications prepared by EDR.
- F. Remove accumulated debris from below and around existing deflector plates. All waste may be disposed of on the tip floor within the transfer station.
- G. Surface preparation for the installation of the pedestrian bridge components and deflector plates shall be the responsibility of the Proposer.
- H. Complete all site restoration as necessary to repair existing surface conditions that are disturbed or damaged during construction activities.
- I. Prepare and submit all required shop drawings as outlined in the technical specifications. No work shall commence until shop drawings have been reviewed and approved by Rockland Green's Engineer.
- J. Prepare and submit a construction schedule for review and acceptance by Rockland Green.
- K. Prepare and submit as-built drawings to Engineer for preparation of Record Drawings.

Proposers must identify on Business Proposal Form 3, any and all exceptions taken to the scope of services, or any other aspect of the requirements stated in this RFP. Failure to identify such exceptions in the proposal may result in Rockland Green's rejection of the proposal.

*Note that work shall be substantially complete by **June 1, 2026** and Proposers are advised that the Clarkstown Transfer Station tip floor and loadout area is unheated space. Proposers shall include all costs associated with (interior) cold weather construction in accordance with applicable guidelines, manufacturer recommendations, and standard construction practices. No additional price consideration will be considered for cold weather construction work.*

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IV. PROCUREMENT SCHEDULE

Issuance of RFP ⁽¹⁾	December 4, 2025
Pre-Proposal Site Visit ⁽²⁾	December 10, 2025
Deadline for Clarification Questions from Proposers	December 15, 2025
Rockland Green Response to Clarification Questions	December 22, 2025
Deadline for Submittals ⁽³⁾	January 7, 2026
Award of Contract	January 22, 2026

- (1) Within five (5) business days following the receipt of the RFP package, the Receipt Confirmation Form found at the front of this RFP must be completed and returned to Rockland Green as indicated thereon.
- (2) Pre-Proposal site visit will be held at 3:30 p.m. at the Clarkstown Transfer Station located at 166 S. Route 303, West Nyack, NY 10994.
- (3) Proposals are due no later than 2:00 p.m. on the Proposal due date. One (1) original and two (2) hard copies of each Proposal shall be submitted in a single envelope, bearing on the outside the name of the Proposer and the name of the procurement.

V. CONSTRUCTION SCHEDULE

Time is of the essence for completion of construction activities. **All work under this RFP must be completed between the following hours:**

- a. **Monday through Friday 4:30 pm to 12:00 am**
- b. **Saturday after 1:00 pm to 9:00 pm**

It is essential that Rockland Green maintain waste disposal services for users to the greatest extent possible during the work. Therefore, Rockland Green will maintain full operations of the transfer stations as the work proceeds - normal hours of operation are as follows:

Clarkstown Transfer Station: Monday – Friday, 7:00 am – 4:00 pm
Saturday, 7:00 am – 12:00 pm

Rockland Green's intent is to minimize the duration of construction activities so that full operational services may be restored as soon as possible.

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Please note that the removal of the old pedestrian bridge and installation of the new pedestrian bridge must occur on the same day or over a weekend when no operations are active. It is essential that access for covering waste be maintained and integrated within the Proposer's schedule. Rockland Green shall be given 72 hour notice when the old bridge will be removed and replaced with the new pedestrian bridge.

Construction activities shall not begin until Proposer has completed or received the following:

1. A fully executed Contract, including all required forms, bonds, and proof of insurance.
2. A written Notice to Proceed from Rockland Green that will formally establish contract dates based on the specified contract duration periods noted below, with initiation from the date of Notice to Proceed to establish the date for Substantial Completion and Final Completion.
3. Submittal of a written Schedule to indicate sequencing of work.
4. Submittal of a written Schedule of Values that provides sufficient detail for tracking the progress of work, including labor and material breakout, and backed-up with whatever supporting information Rockland Green may reasonably request.
5. Written receipt of all shop drawing approvals from Rockland Green's Engineer.
6. Delivery of all materials, equipment, and other temporary facilities associated with mobilization of work crews.
7. Written notice to Rockland Green when the work will begin.
8. Authorization to begin work from Rockland Green.

The Contract dates will be established as follows:

Notice of Award	January 23, 2026
Contract Date (Contract Execution)	Within 10 Calendar Days of Notice of Award
Notice to Proceed	On or about February 2, 2026
Date of Substantial Completion*	June 1, 2026
Date of Final Completion*	30 Calendar Days from Date of Substantial Completion

****If Proposer believes there will be a delay in delivery of some materials or equipment, they shall immediately inform Rockland Green in writing documenting reasons for the delay. Shipping delays will not automatically be a justification for a modification to the contract times.***

VI. COORDINATION WITH ONGOING OPERATIONS

1. All work activities shall be coordinated with Rockland Green. Adjustments or deviations to daily work schedules can only be approved by Rockland Green.
2. Proposer shall coordinate staging of on-site materials with Rockland Green.
3. Work shall not commence until all shop drawings have been approved.

VII. SEQUENCING OF THE WORK

1. Sequencing work shall be outlined in the Proposer's schedule.
2. Note timing for removal and replacement of pedestrian bridge under Section V.

VIII. QUESTIONS

All questions concerning this RFP must be submitted in writing by the deadline in the schedule above, to Dee Louis at dlouis@rocklandgreen.com. Rockland Green will respond to all questions submitted prior to the deadline set forth above.

IX. PROPOSAL SUBMISSION REQUIREMENTS

This section contains instructions regarding the required content and organization of the Proposals. All Proposers must provide all required information in the order set forth below. Rockland Green reserves the right to add or delete specific items from the final award or to negotiate modifications to specific items prior to such award.

Proposals must be received by the deadline in the schedule above. Proposals received after the deadline will be late and ineligible for consideration. Each proposal shall be prepared simply and economically avoiding the use of elaborate promotional materials beyond those sufficient to provide a complete, accurate, and reliable presentation. Rockland Green is not interested in receiving marketing brochures, generic narratives, or laundry lists of unrelated experience in the response.

One (1) original and two (2) copies of the proposal shall be submitted. One copy must be clearly marked "original" and must contain all original executed copies. Late proposals will be

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considered non-responsive and may be returned to the Proposer unopened. NO PROPOSAL will be accepted unless filed on or before the date and at the place designated herein. When sent by mail, the sealed Proposal, marked as above, shall be enclosed in an additional envelope similarly marked and addressed to the person stipulated in the Notice to Proposers. Proposals received prior to the time of opening will be securely kept unopened. Proposals received thereafter will be returned unopened.

All hard copy submittals must be delivered by-hand, regular mail or by a nationally recognized express mail carrier to Rockland Green at the address listed below.

Rockland Green
166 S. Route 303
West Nyack, NY 10994
Attention: Ms. Dee Louis, Engineer II

The package or box must be clearly marked on the outside with the proposer's name and the statement **"Response to RFP-2025-08 Enclosed"**. The response shall be typed or printed on 8-1/2 inch by 11-inch paper, with a minimum font size of 12.

Proposals shall be submitted with the Proposal Forms set forth in this RFP. All blank spaces for Proposal prices shall be properly filled in, in ink, or typed, in both words and figures. In case of any price shown in words and its equivalent shown in figures do not agree, the written words shall be binding on the Proposer. All Proposal Forms included in this RFP must be completed and submitted with all blank spaces for Proposal prices filled in with the Proposal amount to be considered a responsible Proposer.

All submittals become the property of Rockland Green and will not be returned.

X. STATEMENT OF RIGHTS AND GENERAL PROCUREMENT CONDITIONS

This RFP constitutes only an invitation to provide a proposal to Rockland Green. This section describes Rockland Green's responsibilities, rights, and options as they relate to various business, legal, and financial aspects of the procurement. Rockland Green reserves, holds and may at its sole discretion, exercise the following rights and options with respect to this RFP. By

responding to this RFP, proposers acknowledge and consent to the following conditions relative to the RFP process.

1. This RFP does not obligate Rockland Green to contract for any services whatsoever.
2. All costs incurred by a proposer in connection with responding to this RFP, the evaluation and selection process, and any negotiations entered into with Rockland Green will be borne by the proposer, and with the express understanding that no claim can be made for reimbursement from Rockland Green for any associated costs.
3. Rockland Green has the right to cancel this RFP without issuing another RFP.
4. Rockland Green reserves the right to select and enter into negotiations with the proposer(s) who best satisfies the interests of Rockland Green and is most responsive to the RFP, and not necessarily on the basis of price or any other single factor.
5. Any and all responses not received by the deadline for receipt of proposals may be rejected and returned unopened in Rockland Green's sole discretion.
6. Rockland Green may select and enter into negotiations with one or more, or none of the proposers whose response best satisfies the interests of Rockland Green and to discontinue and resume such negotiations at any time prior to execution of an agreement.
7. Rockland Green reserves the right to determine in Rockland Green's sole discretion which, if any, proposers are responsive and deemed qualified, and at any time to determine that any or all proposers will not be selected for further consideration.
8. Rockland Green reserves the right to eliminate any proposer who submits an incomplete and inadequate response or is not responsive to the requirements of this RFP.
9. Rockland Green may reject non responsive submissions without evaluation, but also has the right, in its sole discretion, to waive any technicalities, immaterial irregularities or minor noncompliance.
10. Rockland Green reserves the right to reject, for any reason, any and all proposals and components thereof and to eliminate any and all proposers responding to the RFP from further consideration for this procurement.
11. Rockland Green reserves the right to issue additional requests and/or amendments to this RFP and to cancel this RFP at any time.

12. Rockland Green reserves the right to conduct investigations of the proposers and their responses to this RFP and to request additional evidence to support the information included in any such response.
13. Rockland Green reserves the right to conduct interviews with representatives from proposers.
14. Rockland Green reserves the right to conduct clarification discussions, at any time, with one or more proposers, request additional information, and to receive questions from proposers and provide answers as it deems appropriate.
15. Rockland Green reserves the right to modify deadlines.
16. Rockland Green reserves the right to enter into agreements for only portions of the services contemplated by the responses submitted or not to enter into any agreement[s].
17. Neither Rockland Green, its staff, its representative, nor any of its consultants will be liable for any claims or damages resulting from the solicitation, collection, review, or evaluations of responses to this RFP.
18. Rockland Green reserves the right to enter into concurrent or sequential negotiations with two (2) or more proposers.
19. No contract awarded by Rockland Green shall be binding and valid until fully executed by the parties.
20. Rockland Green reserves the right to designate, at any time, one (1) or more proposers with whom it may select to have a full evaluation of their proposal.
21. If a site visit is required, Rockland Green reserves the right to waive the site visit on a case-by case basis.
22. The proposals will constitute formal offers to Rockland Green that are binding on the proposer for **180 calendar days** from the submittal date of the proposal.

Minority and Women's Business Enterprises

Rockland Green encourages the fullest possible utilization of Minority and Women Owned Business Enterprises.

Authority to Do Business in New York

Any entity formed under the laws of the State of New York must provide a certificate of good standing from the New York Secretary of State, and any entity not formed under the laws of the State of New York must provide a certificate of authority from the New York State Secretary of State to do business in New York in accordance with Article 13 of the New York Business Corporation Law.

No Discrimination

The proposers shall not discriminate against employees or applicants for employment because of race, creed, color, national origin, sex, sexual orientation, age, disability, military status, predisposing genetic characteristics, or marital status and will undertake or continue existing programs of affirmative action to ensure that minority group members and women are afforded equal employment opportunities without discrimination.

Confidentiality

The New York State Freedom of Information Law, Public Officers Law, Article 6, Sections 84-90 provides for public access to government records. However, proposals may contain trade secrets and other technical, financial, or administrative data whose public disclosure could cause substantial injury to the proposer's competitive position. Proposers must clearly indicate whether there are portions of their proposals that contain trade secrets and other technical, financial, or administrative data whose public disclosure could cause substantial injury to the proposer's competitive positions. Accordingly, to protect the proposer from release of this sensitive information under the State Freedom of Information Law, the proposer should specifically identify and mark the pages of its submittal(s) that contain such information and insert the following notice in the front of its submittal:

Notice

The data on pages [_____] of this proposal identified by an asterisk (*) contain technical or financial information, which are trade secrets and/or whose disclosure would cause substantial injury to the proposer's competitive position. The proposer requests

that such data be used only for the evaluation of the proposal, but understands that the disclosure will be limited to the extent that Rockland Green considers proper under the law. If an Agreement is entered into with this proposer, Rockland Green shall have the right to use or disclose the data, as provided in the Agreement, unless otherwise obligated by law.

Rockland Green does not assume any responsibility for disclosure or use of marked data for any purpose. In the event properly marked data are requested, pursuant to the State Freedom of Information Law, the proposer will be advised of the request and may expeditiously submit to Rockland Green a detailed statement indicating the reasons it has for believing that the information is exempt from disclosure under the law. This statement will be used by Rockland Green in making its determination as to whether disclosure is proper under the law.

Correction, Modification, or Withdrawal of Proposal

A proposer may correct, modify, or withdraw a proposal by written notice received by Rockland Green prior to the time and date set for the receipt of proposals. For any proposals received by Rockland Green, Rockland Green may elect to waive minor informalities or may elect to allow the proposer to correct them.

Record of Proposals

All proposals are the property of Rockland Green and will not be returned. Rockland Green will use its best efforts to prevent the unauthorized disclosure of proprietary information, provided same is properly identified in accordance with this RFP. In no event will Rockland Green assume liability for any loss, damage, or injury, which may result from any disclosure or use of marked data within proposals.

Proposal Bond

A proposal bond or certified check in the amount of 5% of the proposed price made payable to Rockland Green must accompany the proposal. The bond shall provide that prior to the expiration or termination of the bond, the proposer shall (1) if so requested by Rockland Green,

negotiate an agreement with Rockland Green, and (2) if Rockland Green selects the proposer's proposal as the most advantageous proposal, enter into a contract. If the proposer fails to comply with the above, the surety will pay to Rockland Green, as liquidated damages, the full amount of the proposal bond or, as applicable; the certified check shall become the property of Rockland Green and be deposited in Rockland Green's accounts. Any proposal bond must be valid for at least 180 days from the proposal submission date. If the contract has not been executed prior to the expiration of the proposal bond, Rockland Green may require the renewal of the proposal bond for an additional 180 days. No proposal will be considered unless it is accompanied by the required certified check or proposal bond. The form of the Proposal Bond and Surety Letter of Intent, which must be submitted, is described in Business Proposal Form 5.

The certified check or proposal bond submitted by a proposer will be returned within ten (10) business days after the earliest to occur of (1) the rejection of the proposal of such proposer by Rockland Green and (2) the execution of the contract by and between Rockland Green and the selected proposer.

Independent and Separate Prices

Where separate prices are required by this RFP for specific services, such prices are understood to be independent and separable. Accordingly, elimination or modification by Rockland Green of any portion of the proposed scope of services should not affect the price proposed for any other portion of the scope of services. Rockland Green will reserve the right after contract award to modify the scope of services within the limits of applicable law.

Sales Tax

The New York State Tax Law exempts from sales and use taxes, imposed under Article 28 and pursuant to Article 29 thereof, the sale or use of tangible property incorporated in structures, buildings, or real property owned by an exempt organization. Rockland Green is an exempt organization, and therefore, proposers should not include sales and use tax in their proposals.

Insurance

Proposer shall possess or be able to obtain all insurance such as, Professional Liability Insurance, Commercial General Liability/Auto, and Workmen's Compensation Insurance, and other types of coverage, as indicated in the Insurance Requirements found in Appendix B to this RFP.

Performance and Payment Bonds.

The Contractor shall provide financial security for the performance of its obligations and prompt payment of moneys that are due to all persons furnishing labor and materials hereunder through a Performance Bond and a Payment Bond each issued by a surety company: (1) approved by Rockland Green having a rating of "A" in the latest revision of the A.M. Best Company's Insurance Report; (2) listed in the United States Treasury Department's Circular 570, "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsurance Companies"; and (3) properly registered and licensed to conduct business in the State of New York. The Performance Bond and the Payment Bond shall each be issued in the amount of the Contract Price. The Performance Bond and the Payment Bond shall be substantially in the applicable form prescribed by Rockland Green and contained as Transaction Agreement Forms 1 and 2 included with the Draft Contract in Appendix F. A copy of the Performance Bond and the Payment Bond shall be kept by Rockland Green and shall be open to public inspection. The Penal sum of each bond required under this Section shall be in the full amount of the Contract Price.

The cost and expense of obtaining and maintaining the Security Instruments required under this RFP as security for the performance of the Contractor's obligations hereunder shall be borne by the Contractor without reimbursement from Rockland Green.

Labor, Wages, and Equal Employment Opportunity.

Proposer will be expected to be familiar with and to comply with all Federal, State, and local labor laws, rules, regulations, ordinances, and executive orders, including without limitation, requirements for minimum wages, prevailing wages and benefits, workmen's compensation, and equal employment opportunity.

Affirmative Action.

Proposer must also agree to comply with the affirmative action requirements of County Resolution 471 of 1975 if the proposer (1) employs a minimum of fifteen (15) employees and (2) does a minimum of fifty thousand dollars (\$50,000) per annum business with Rockland County. See Business Proposal Form 8.

XI. DETAILED SCOPE OF SERVICES

The scope of work listed below includes furnishing all equipment, materials, labor, rental equipment, and miscellaneous tools to satisfactorily complete the work to the acceptance of Rockland Green in accordance with this Request for Proposal #2025-08 and all attachments.

XII. QUALIFICATIONS AND EXPERIENCE

Proposers must provide the following information for the Proposer:

- A summary of your company's experience in providing the services requested herein;
- A list projects of a similar nature and scope completed by the proposer in the past 5 years (minimum of 3 projects).
- Contact information, project size, completion date, and any other relevant details for completed projects.
- The name of the Project Superintendent and Project Foreman assigned to be on site and their related experience. Experience of other key personnel may be requested by Rockland Green as part of the evaluation process; and
- Upon request by Rockland Green, provide additional information related to qualifications to clarify or supplement the qualifications information requested in Appendix A of this RFP.
- Financial Information
- Non-Financial Information
- Evidence of Authorization to conduct business in the State
- Evidence that demonstrates the ability to obtain the required insurance set forth herein.

XIII. COMPENSATION

The selected Proposer shall invoice Rockland Green on or before the tenth (10th) calendar day of each month after commencement of services, but no more frequently than once monthly. The selected Proposer may submit a payment request for the period ending the last calendar day of the previous month. Payment Request shall be in such format and include whatever supporting information as may be reasonably required by the Engineer.

In its Payment Request, the selected Proposer may request payment for a portion of the Contract Price allocable to the Contract Services that have been properly provided, including labor, materials and equipment properly incorporated in the Work, and materials or equipment necessary for the Work and properly stored at the Project Site (or elsewhere if offsite storage is approved in writing by the Engineer), less the total amount of previous payments received from Rockland Green. Each payment made to the selected Proposer by Rockland Green will be subject to ten (10%) retainage holdback.

Proposers must complete the price proposal form attached as Price Proposal Form 1.

XIV. CONTENTS OF PROPOSALS

Proposers are required to submit with their proposals all the information, documentation, and Forms requested in this RFP. The proposal must be organized as follows; details on each of the items below are provided after this section:

- (i) Cover Letter and Proposal Bond
- (ii) Acknowledgement of responsiveness to this request for proposal (in cover letter), including the following.
 - a. The Proposer has reviewed and fully understands the scope of work, sequencing of work, and timing for the project.
 - b. The proposer has provided the requested information relative to qualifications and experience, including for those of the helical pile installer.
- (iii) Qualifications and Experience
- (iv) General Requirements

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- (v) Proposal Forms
- (vi) Evidence of Proposer's ability to obtain the required insurance and performance bonds, if selected.
- (vii) All comments, if any, to the draft Agreement, included with this RFP, if any
- (viii) A certificate of good standing or authority from the New York State Secretary of State to do business in New York in accordance with Article 13 of the New York Business Corporation Law

(i) Cover Letter and Proposal Bond

The Proposal Cover Letter is the proposer's official letter transmitting the complete proposal to Rockland Green. The format required for the Proposal Cover Letter is provided in Table 10-1 below. The letter is to be written in text form and is not to exceed three (3) pages, typed, and double-spaced. Since the Proposal Cover Letter introduces the proposer to Rockland Green, it should clearly and concisely summarize the proposal. This letter is to be typed on the proposer's letterhead and is to be signed by the Proposer's Chief Executive Officer ("CEO") and attested by another officer of the proposer. If the proposer is a joint venture, the CEO of the lead or sponsoring proposer is to sign the letter.

Table 10-1

FORMAT OF PROPOSAL COVER LETTER

A. Addressee	Dee Louis, Engineer II Rockland Green 166 S. Route 303 West Nyack, New York 10994
B. Content of Letter	First Paragraph:
	<ul style="list-style-type: none"> Name of Proposer (or Proposers, if joint venture) submitting the Proposal. If a joint venture, the name of the lead or sponsoring Proposer. Confirm that the signatory is authorized to make the Proposal.
	Second Paragraph:
	<ul style="list-style-type: none"> Response to the requirement for a Proposal Bond, which must be enclosed.
	Third Paragraph:
	<ul style="list-style-type: none"> A brief description of the Proposer(s). Summarize qualifications of the Proposer(s). Commitment of the Proposer(s) to deliver the services required in the Request for Proposals and described in the attached Proposal and at the prices quoted in the Proposal.
	Fourth Paragraph:
	<ul style="list-style-type: none"> Commitment of the Proposer to enter into an Agreement with Rockland Green at the prices stated in the Proposal.
	Fifth Paragraph:
	<ul style="list-style-type: none"> Acknowledgement of responsiveness to the Request For Proposals <p style="text-align: right;">Very truly yours, President/CEO</p> <p>Attachment: Proposal Bond or certified check</p> <p style="text-align: right;">Statement of Surety Intent to Provide Performance Bonds Certificates of Insurance Certificate New York Secretary of State</p>

(ii) Scope of Services

Proposers must address all aspects of the scope of services described in this RFP. The proposer must acknowledge an understanding of and a commitment to meeting all the responsibilities and obligations stated in this RFP.

(iii) Qualifications and Experience

a. Qualifications.

The proposer must demonstrate qualifications consistent with the minimum qualifications described in Section XII of this RFP.

b. Experience.

The proposer must demonstrate experience consistent with the requirements described in Section XII of this RFP.

(iv) Proposal Forms

All proposals must include at least one (1) complete set of Business, Price, and Technical Proposal Forms, as applicable, completed by the proposer.

XV. PROPOSAL EVALUATION

This section describes Rockland Green's proposal evaluation process and criteria. Rockland Green will evaluate the net total and net present value costs of each proposal and the Proposer's ability and willingness to meet all of the Proposer's responsibilities. Each section of a proposal will be evaluated in terms of the commitments made, the completeness and the reliability of the approach taken, and conformance with the requirements and the instructions provided in this RFP. A Proposer's failure to adequately respond to all of the technical and pricing requirements in this RFP, to accurately complete the Proposal Forms, to disclose violations of applicable laws, codes or regulations, or to provide other business-related information required in the RFP, shall be grounds to deem a proposal as non-responsive.

Selection will not be solely based on the lowest cost, although cost will be a factor in the evaluation process.

After evaluating the proposals, Rockland Green may short-list proposers for interviews and enter into contract negotiations with one (1) or more proposers who meet(s) Rockland Green's evaluation criteria and whose proposals are regarded as most advantageous to Rockland Green.

a. Evaluation Team

The proposal evaluation and selection process described in this Section will be conducted by an evaluation team led by Rockland Green. The team may consist of personnel from Rockland Green and its technical, legal, and financial consultants. The team will review and evaluate proposals and select one (1) or more proposers with whom Rockland Green will conduct negotiations.

b. Cost Evaluation

The Price Proposal will be evaluated on the basis of the fees proposed by the proposer in all Proposal Forms. Proposers are strongly advised to submit pricing wholly consistent with the RFP, then to clearly delineate any caveats or exceptions to baseline pricing.

c. Requests for Clarification

Once proposals have been reviewed, Rockland Green may request that the Proposer submit additional information or clarify certain aspects of the proposal.

d. Proposal Interviews

After proposals have been evaluated according to the process described above, the evaluation team may choose to meet with and interview the proposers who submitted the most advantageous proposal(s). Following the interviews, Rockland Green may select the proposer(s) with whom to conduct contract negotiations.

Request for Proposals RFP 2025-08
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Deflector Plate Improvements

APPENDIX A

PROPOSAL FORMS

BUSINESS PROPOSAL FORM 1

SIGNATURE PAGE

To the Rockland County Solid Waste Management Authority a/k/a Rockland

Green: The Proposer, in compliance with your Request for Proposals for [_____
_____] , having examined the Request for Proposals and being familiar with all conditions surrounding the project, hereby proposes to furnish all labor, equipment, materials and supplies necessary to meet the obligations of the proposal in accordance with the solicitation, within the time and prices set forth therein.

Proposer understands that Rockland Green reserves the right to reject any or all proposals and to accept any item or items in any one proposal and to waive any informalities in the RFP process.

Respectfully Submitted:

Printed Name / Signature

Date

Title

Business Address

(Seal, if corporation)

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BUSINESS PROPOSAL FORM 2

ADDENDA ACKNOWLEDGEMENT FORM

The undersigned hereby acknowledges receipt of the following Addenda (if any) to the Request for Proposals for **New Fabricated Steel Pedestrian Bridge & Deflector Plate Improvements, RFP-2025-08:**

Addendum No.	Date
_____	_____
_____	_____
_____	_____
_____	_____

Person, firm, or corporation submitting this Proposal:

Contractor

Signature

Title

Date

BUSINESS PROPOSAL FORM 3

EXCEPTIONS TAKEN TO THIS REQUEST FOR PROPOSALS

_____ No exceptions taken.

_____ Exceptions taken (please provide cross references, as shown below):

Request for Proposal Page _____, Section _____

Exception taken: _____

Printed Name / Signature

Title

Date

BUSINESS PROPOSAL FORM 4

FORM OF PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENT, that we [NAME OF PROPOSER], as Principal (hereinafter the "Proposer") and [NAME OF SURETY], a [Corporation],[Partnership] duly organized under the laws of the State of _____, as Surety, are held and firmly bound unto Rockland Green (the "Rockland Green"), as Obligee, in the sum of [_____] (\$[_____]) lawful money of the United States of America to be paid to Rockland Green, its successors or assigns, for which payment, well and truly to be made, we bind ourselves, our successors and assigns, jointly and severally, firmly by these present, and

WHEREAS, the above-named Proposer has submitted or is about to submit to Rockland Green a proposal to provide [_____] as described in the Request for Proposals (RFP [_____]), dated [_____] (the "RFP"), issued by Rockland Green and covered by the Proposal submitted by the Proposer in response thereto, which Proposal is made a part hereof.

NOW THEREFORE, the Surety hereby understands that if the above-referenced Proposer is selected by Rockland Green as the most advantageous Proposer, then the Proposer will enter into an Agreement based on its proposal within the time specified in the RFP or any extension thereof agreed to in writing by Rockland Green. Surety hereby agrees that if the Proposer shall fail to do so, Surety will pay to Rockland Green, as liquidated damages, the full amount of this Bond within thirty (30) calendar days after receipt by the Proposer and Surety of written notice of such failure from Rockland Green, which notice shall be given with reasonable promptness, identifying this Bond and including a statement of the amount due. Upon execution of the Agreement, this Bond shall thereafter become null and void, otherwise to remain in full force and effect unless terminated as hereinafter provided.

It is agreed that this Bond shall become effective on the date the Proposal is submitted and will continue in full force and effect for three hundred sixty-five (365) days from such date of submittal (unless extended for up to an additional three hundred sixty-five (365)) or until terminated, as hereinafter provided.

If the Proposal is not accepted within the time specified in the RFP, or any extension thereof agreed to in writing by Rockland Green, then after written notice by Rockland Green of such non-acceptance, this Bond may be terminated by the Surety or Proposer upon written notice to each other and to Rockland Green by registered mail at least ten (10) days prior to the termination date specified in such notice. Upon the giving of such notice, Surety shall be discharged from all liability under this Bond for any act or omission of the Proposer occurring after the date of the notice of non-acceptance.

Any suit or action under this bond shall be commenced only in a court of competent jurisdiction located in the State of New York.

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IN WITNESS WHEREOF, Surety and Proposer, intending to be legally bound hereby, do each cause this Proposal bond to be duly executed on its behalf by its authorized officers, agent or representative.

Signed and sealed this _____ day of _____, _____.

SURETY

PROPOSER

[NAME OF SURETY]

[NAME OF CONTRACTOR]

Name: _____

Name: _____

Signature: _____

Signature: _____

Title: _____

Title: _____

Request for Proposals RFP 2025-08
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BUSINESS PROPOSAL FORM 5

SURETY LETTER OF INTENT AND FORM OF PERFORMANCE BOND

(To be typed on Surety's Letterhead)

General Counsel
Rockland County Solid Waste Management Authority a/k/a Rockland Green
172 Main Street
Nanuet, New York 10954

Dear General Counsel:

_____ (the "Proposer") has submitted herewith a Proposal in response to the Rockland County Solid Waste Management Authority's a/k/a Rockland Green ("Rockland Green") Request for Proposals ("RFP") for New Fabricated Steel Pedestrian Bridge and Deflector Plate Improvements. The RFP requires the selected Proposer to enter into an agreement to provide services consisting of demolition, removal and partial roof replacement at the Co-composting Facility, and to comply with all applicable permits, licenses, approvals and other Applicable Law; and perform the other related and ancillary responsibilities set forth in the RFP.

The Surety has reviewed the Proposer's Proposal and the form of Performance Bond issued with the RFP, which will form the basis of the Service Contract. The Surety hereby certifies that if Rockland Green elects to require such security, it intends to issue on behalf of the Proposer as security for performance under the Service Contract, an Operations Performance Bond substantially in the form attached to the RFP and equal to one (1) year of the annualized gross Service Fee, for the benefit of Rockland Green in the event the Proposer is selected for final negotiations and execution of the Service Contract.

Name of Surety

Name of Authorized Signatory

Title

Signature

BUSINESS PROPOSAL FORM 6

CONTRACTOR QUALIFICATIONS

This form must be completed by each member of Proposer team.

(Section C must be signed before a Notary Public)

A. General Information

1. *Firm: _____
2. Address: _____
3. Telephone: _____
4. Contact Person: _____
5. Type of Organization (e.g., a corporation; joint venture; partnership; and individual):

6. Name of Parent Company, if any: _____
7. Name of Affiliate Companies, if any: _____
8. *Identity of Joint Venture Partners, if any: _____
9. Financial References: _____
10. New York Surety: _____
11. Signature of person duly authorized to submit on behalf of the Proposer

Signature

Title

* Referred to in Proposal Forms individually and collectively as "Proposer." Information requested must be provided with respect to each party to the Proposal.

BUSINESS PROPOSAL FORM 6 (Continued)

CONTRACTOR QUALIFICATIONS

B. Business Information

1. Brief history of Proposer(s) involved in the Proposal (attach additional sheets as necessary):

2. Name and address of all partners, key shareholders, principals and/or owners:

3. Has Proposer ever failed to complete any contract awarded to it?

4. If so, where and why: _____

5. Has any officer or partner of Proposer ever been an officer or partner of some other organization that failed to complete a contract?

6. If yes to #5, state name of individual, other organization, reason, and bonding company: _____

7. In what other lines of business is Proposer directly or indirectly involved? _____

8. With what individual or entities have you been associated as partner or otherwise during the past five (5) years?

BUSINESS PROPOSAL FORM 6 (Continued)

CONTRACTOR QUALIFICATIONS

9. Describe the principal and any secondary nature of your current business: _____

10. State the length of time you have been in that business under your present name and identify all other names under which you have done business: _____

11. Has any individual, partner, shareholder, principal, owner or affiliate of your firm been the subject of administrative or judicial action for an alleged violation of environmental or public health laws or regulations? If so, state the details and disposition. _____

12. Are you, your partners, joint venturers, parent corporation or subsidiaries a party to any legal actions that may affect your ability to perform the obligations described in your Proposal? If so, identify these actions: _____

13. Have you, any partner, key shareholder, principal, owner or affiliate of your firm been the subject of any criminal conviction(s) indictment(s) or investigation(s)? If so, state the details: _____

14. Are you, your partners, joint venturers, parent company or subsidiaries a party to or subject to any threatened or pending litigation, either civil or criminal? If so, state the details: _____

BUSINESS PROPOSAL FORM 6 (Continued)

CONTRACTOR QUALIFICATIONS

15. List any and all civil penalties, judgments, consent decrees or other sanctions within the last five (5) years, as a result of a violation of any law, rule, regulation or ordinance in connection with its business activities, by the Proposer, any affiliate of the Proposer, or any key shareholder, officer or director of the Proposer or any affiliate thereof.

16. List any and all current investigations, indictments or pending litigation by any Federal, State or local jurisdiction of the Proposer, any affiliate of the Proposer or any key shareholder, officer or director of the Proposer or any affiliate thereof.

17. List any and all actions occurring within the last five (5) years which have resulted in revocation or suspension of any permit or authority to do business in any Federal, State or local jurisdiction, by the Proposer, any affiliate of the Proposer, or any key shareholder, officer or director of the Proposer or any affiliate thereof.

18. List any and all actions occurring in the past five (5) years that have resulted in the barring from public bidding by the Proposer, any affiliate of the Proposer, or any key shareholder, officer or director of the Proposer or any affiliate thereof.

19. List any bankruptcy proceedings in the past five (5) years by the Proposer, any affiliate of the Proposer, or any shareholder, officer or director of the Proposer or any affiliate thereof. _____

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20. List the names, addresses, and telephone numbers, and contact name of municipalities or other organizations, which have utilized your services:

21. List the names, addresses and telephone numbers, and contact name of municipalities for whom you have provided services of the same nature as those contemplated in this RFP:

22. Please attach a description of the services you provide(d) for each reference municipality, including the term of your agreement with each such municipality:

23. For the past three (3) years, have any of the reference projects in this RFP been the subject of administrative or judicial action for an alleged violation of environmental or public health laws or regulations? If so, state the details and disposition: _____

C. Financial Information (To be signed before a Notary Public)

Attach financial statements, prepared on an accrual basis, in a form which clearly indicates the Proposer's assets, liabilities and net worth over the most recent three (3) year period or as many years as your firm has been in business if less than three (3) years.

Dates of financial statements: _____

Name(s) of firms(s) preparing statements: _____

Dated this ____ day of _____, 20____

(Print or Type Name of Proposer)

(Seal, if corporation)

By: _____

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Title: _____

_____ being duly sworn, deposes and says that the financial statement(s) referenced above are a true and accurate statement of Proposer's financial condition as of the date hereof; and all of the foregoing qualification information is true, complete and accurate.

Sworn to before me this ____ day of _____, _____

Notary Public

BUSINESS PROPOSAL FORM 7

STATEMENT OF NON-COLLUSION

In accordance with applicable law, all proposals and contracts awarded or accepted by a municipality must contain a Statement of Non-collusion. By submission of this Proposal, the Proposer certifies that:

Each Proposer and each person signing on behalf of any Proposer certifies, and in the case of a joint Proposal, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:

- (a) The prices in this Proposal have been independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition as to any matter relating to such prices with any other proposer or with any competitor.
- (b) Unless otherwise required by law, the prices which have been quoted in this Proposal have not been knowingly disclosed by the Proposer and will not knowingly be disclosed by the Proposer prior to opening, directly or indirectly, to any other proposer or to any competitor.
- (c) No attempt has been or will be made by the Proposer to induce any other person, partnership or corporation to submit or not to submit a proposal for the purpose of restricting competition.
- (d) The person signing this Proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification under the penalties of perjury, affirms the truth thereof such penalties being applicable to the Proposer, as well as to the person signing on its behalf.
- (e) If a corporation, the attached hereto is a certified copy of the resolution authorizing the execution of this certificate by the signature of this Proposal on behalf of the corporate Proposer.

BUSINESS PROPOSAL FORM 7 (Continued)
STATEMENT OF NON-COLLUSION

Resolved that _____ (**Name of Individual**) be authorized to
sign and submit the Proposal of _____ for the _____
_____ and to certify as to non-
collusion required by applicable law as the act and deed of such corporation and for any
inaccuracies or misstatements in such certificates this corporate Proposer shall be liable under
the penalties of perjury.

Signature and Title

Sworn to before me this _____ day of _____, _____

Notary Public

BUSINESS PROPOSAL FORM 8
DISCLOSURE STATEMENT

(Proposer must sign this form before a Notary Public)

STATE OF NEW YORK)

) ss

COUNTY OF _____)

I, _____, _____
(NAME) (TITLE - Officer of Corporation, Partner or Principal)

being duly sworn depose and swear under the penalties of perjury:

1. That, in connection with the above Proposal or Agreement for the _____
_____, no other person will have any
direct or indirect interest in this Proposal except:

(In case of corporations, all officers of the corporation and stockholders owning more than
5% of the corporation stock must be listed. Use attached sheet if necessary.)

2. That _____ related to any officer
(I am not) (none of the officers or stockholders are)

or employee of Rockland Green except _____

3. There is not any state or local officer or employee, or a member of Rockland Green
interested in such application.

Signature and Title

Sworn to before me this _____ day of _____, --

Notary Public

BUSINESS PROPOSAL FORM 9

AFFIRMATIVE ACTION PLAN

(Proposer Must Sign This Form Before a Notary Public)

STATE OF NEW YORK)

) ss:

COUNTY OF ROCKLAND)

_____ being duly sworn, deposes and says that
he/she is the _____ of _____. That
*I do (do not) employ fifteen (15) employees and *I do (do not do) a minimum of \$50,000 per
annum business with the Rockland County Solid Waste Management Authority a/k/a Rockland
Green.

Based on the above information, attached hereto is an Affirmative Action Plan or, because of the
above, no Affirmative Action Plan is necessary.

Sworn to before me this ____ day of _____, ____.

Notary Public

* Strike out non-applicable information.

BUSINESS PROPOSAL FORM 10
FOIL ACKNOWLEDGEMENT FORM

The Proposer hereby acknowledges and recognizes that the New York State Freedom of Information Law, Public Officers Law, Article 6, Sections 84-90 provides for public access to government records. However, Proposals may contain trade secrets and other technical, financial, or administrative data whose public disclosure could cause substantial injury to the Proposer's competitive position.

Please indicate whether your Proposal contains trade secrets and other technical, financial or administrative data whose public disclosure could cause substantial injury to your competitive position by marking the applicable below.

_____ The Proposal DOES contain trade secrets and other technical, financial or administrative data whose public disclosure could cause substantial injury to our competitive position, and we have clearly marked pages in our Proposal containing such information in accordance with Section 1.6 of the RFP.

_____ The Proposal DOES NOT contain trade secrets and other technical, financial or administrative data whose public disclosure could cause substantial injury to your competitive position.

Person, firm or corporation making this Proposal:

Proposer

Signature

Title

Date

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BUSINESS PROPOSAL FORM 11
PROPOSER QUESTIONS

(All questions pertaining to this solicitation must be submitted in writing.)

Please use this form and fax it (845.753.2281) or email (dlouis@rocklandgreen.com) **to the attention of Dee Louis**. Rockland Green will respond to all questions submitted prior to the cut-off date indicated in the RFP.

Date: _____

Proposer Name: _____

Proposer Company: _____

Phone: _____ Fax: _____

Question(s): _____

[illegible]

BUSINESS PROPOSAL FORM 12

DISCLOSURE OF CONTRACTOR RESPONSIBILITY STATEMENT

(This form must be completed by each member of the Proposer team)

1. List any criminal investigations, indictments, or convictions of any person, subsidiary or affiliate of the Proposer arising out of obtaining or attempting to obtain a public or private contract or subcontract, or in the performance of such contract or subcontract.

2. List any indictments, convictions or ongoing investigations of any person, subsidiary, or affiliate of this Proposer for offenses such as embezzlement, theft, fraudulent schemes, etc. or any other offense indicating a lack of business integrity or business honesty which affect the responsibility of the Proposer.

3. List any convictions or civil judgments under state or federal antitrust statutes.

4. List any violations of contract provisions such as knowingly (without good cause) to perform, or unsatisfactory performance, in accordance with the specification of a contract.

5. List any prior suspensions or debarments by any government agency.

6. List any contracts not completed on time.

7. List any documented violations of federal or state labor laws, regulations or standards, or occupational safety and health rules.

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I, _____, as _____,
(Name of Individual) (Title and Authority)
of _____, declare under oath that the
(Proposer Name)

above statements, including any supplemental responses attached hereto, are true.

Signature

Subscribed and sworn to before me on this ____ day of _____, _____,
by _____, representing him/herself to be _____ of the
Proposer.

Notary Public

PRICE PROPOSAL FORM

RFP-2025-08 – New Fabricated Steel Pedestrian Bridge & Deflector Plate Improvements, Clarkstown Transfer Station, West Nyack, NY

Proposer shall perform the Work in accordance with the Contract Documents for the prices shown in the Price Proposal Summary shown below.

Proposer acknowledges that Proposer's price(s) constitute Proposer's sole compensation for performing all Work required by the Contract Documents, and if a particular part of the Work is not listed specifically in the Price Proposal Summary set forth below in Schedule A of this section, Proposer shall include that part of the Work in the Cost Item Description which it most logically belongs.

Schedule A: Lump Sum Cost Items:

Lump sum items include all Work in the Contract Documents, except items specifically identified as Unit Price Work.

Measurement and payment of Lump Sum Cost Items is defined in Section 01026, Lump Sum Items, of the Technical Specifications and Rockland Green's Contract Terms and Conditions.

Lump Sum Cost Items Table:

<u>Cost Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Total Cost Item Price (Figures in Dollars and Cents)</u>
A-1	Furnish and Install Fabricated Steel Pedestrian Bridge Over Loadout Tunnel, Complete (including related mobilization and demobilization costs)	LS	
A-2	Remove, Furnish and Install Deflector Plates, Including Repairs where Shown, Complete (including related mobilization and demobilization costs)	LS	
A-3	Remove and Salvage Existing Wooden Pedestrian Bridge, Complete	LS	

(Continued)

Schedule B: Total Proposal Price:

1. Determination of the Total Proposal Price will be determined as follows.
 - a. All mathematical errors will be corrected. In case of discrepancy between the correct sum of individual bid items and the (incorrectly) calculated sum, the correct sum of individual cost items will govern.

<u>Schedule</u>	<u>Total proposed Price (Figures in Dollars and Cents)</u>
<u>TOTAL PROPOSAL PRICE: (Sum of Schedule A)</u>	

Total Proposal Price (In Words):

Submitted By:

(Company Name)

(Authorized Representative and Title)

(Signature)

(Date)

APPENDIX B INSURANCE REQUIREMENTS

Prior to the Contract commencement and throughout the term of the Contract, the Contractor shall maintain insurance issued by an insurance carrier satisfactory to Rockland Green to protect the parties hereto from and against any and all claims, demands, actions, judgments, costs, expenses and liabilities of every kind and nature which may arise or result, directly or indirectly, from or by reason of such loss, injury, including injury to the applicable Contractor's employees or employees of such Contractor's Subcontractors, or damage. Such insurance shall be maintained at the Contractor's sole expense.

The Contractor shall obtain and maintain throughout the term of the Contract the following types and minimum amounts, not including deductible, of insurance:

- Commercial general liability and property damage insurance with broad form blanket contractual liability and products and completed operations coverage, shall be not less than \$1,000,000 per occurrence and \$2,000,000 general aggregate
- Prohibited exclusion(s), including but not limited to (1) 'gravity related' injuries; (2) injuries sustained by an employee of an/any insured; (3) liability assumed by contract (4) height limitation or (5) territory restriction; and
- Insurance must apply on a Per-Project basis; and
- No Labor Law or Third-Party Action Over Exclusions;
- Commercial comprehensive automobile liability endorsed for any automobile (owned and non-owned) with minimum limits for combined property damage and bodily injury of \$1,000,000 per occurrence
- Worker's compensation coverage in the statutory amounts required by New York State Law;
- Employer's liability insurance required by New York State law covering all of the employees of the Contractor at Rockland Green 's facility;
- Excess liability above the commercial general liability and automobile liability shall not be less than \$10,000,000 per occurrence and \$10,000,000 general aggregate, the Umbrella must be excess over the General Liability, Automobile Liability and Employers Liability and

1. The commercial general liability, excess liability, professional liability, and pollution liability shall be kept in force for a period of one (1) year following the end of the contract period.

2. Additional Insureds. The Contractor will name Rockland Green, the County, and their officers, agents, employees, and consultants as additional named insureds on a primary, non-contributory basis (the "Additional Insureds") for Ongoing and Completed Operations on all

insurance policies required herein, other than workers' compensation and employer liability coverage. Such coverage must be provided using the 04/13 versions of ISO Form CG 20 10 and CG 20 37 or equivalent. The Contractor will waive the subrogation rights of its various insurance carriers in favor of Rockland Green via CG 20 04 or equivalent.

3. Insurance Certificates and Policies. Insurance and any renewals thereof will be evidenced by certificates of insurance (the "Certificates") and copies of all insurance policies and endorsements issued or countersigned by a duly authorized representative of the issuer and delivered to Rockland Green for its approval thirty (30) days prior to the Contract commencement. The Certificates will require thirty (30) days written notice to Rockland Green, of cancellation, intent not to renew, or reduction in its coverage by the insurance company for all policies.

4. Non-Recourse Provision. All insurance policies will provide that the insurers will have no recourse against the Additional Insureds for payment of any premium or assessment and will contain a severability of interest provision in regard to mutual coverage liability policies. The coverages will be the primary source of any restitution or other recovery for any injuries to, or death of persons, or loss or damage to property incurred as a result of an action or inaction of the Contractor or its Subcontractors, of their respective suppliers, employees, agents, representatives, or invitees, that fall within these coverages and also within the coverages of any liability insurance or self-insurance program maintained by Rockland Green.

5. Deductibles. Deductibles shall not exceed \$10,000.

6. Subcontractors. The Contractor will be responsible for ensuring that all Subcontractors which are working at the Site secure and maintain all insurance coverages hereunder and other financial sureties required by Applicable Law in connection with their presence and the performance of their duties at or concerning the Work. The Contractor will furnish Rockland Green with Subcontractors' Certificates and policies for review and approval prior to beginning.

7. Specific Provisions for Comprehensive General Liability Insurance. Comprehensive General Liability insurance, as required hereunder, will include premises-operations, blanket contractual, products and completed operations, personal injury, host liquor liability, explosion, collapse, underground hazards, and broad form property damage, including completed operations and independent contractor's coverages.

8. Specific Provisions for Worker's Compensation Coverage. Worker's Compensation insurance must be in accordance with the requirements of New York law, as amended from time to time. The required worker's compensation insurance will include other states' coverage, voluntary compensation coverage, and federal longshoreman and harbor worker's coverage.

9. Changes in Insurance Coverage. The insurance listed herein are the minimum coverages permitted, except that Rockland Green may decrease or omit the coverages specified at any time in its sole discretion. If Rockland Green decreases such coverage, any cost savings will be credited to the benefit of Rockland Green.

10. Qualifications of Insurers. The Contractor is required to obtain the insurance set forth in this Appendix with insurance companies that carry a Best's "A" or equivalent rating. In addition, insurance must be obtained and maintained with insurers authorized to do business in the State of New York.

11. Subcontractor Indemnification. The Contractor shall include the following language in all Subcontracts.

To the fullest extent permitted by law, the Subcontractor agrees to indemnify, defend and hold harmless the Contractor as well as all parties listed below as additional insureds, their officers, directors, agents, employees and partners (hereafter collectively "Indemnitees") from any and all claims, suits, damages, liabilities, professional fees, including attorneys' fees, costs, court costs, expenses and disbursements related to death, personal injuries or property damage (including loss of use thereof brought against any of the Indemnitees by any person or entity, arising out of or in connection with or as a result or consequence of the performance of the Work of the Subcontractor, as well as any additional work, extra work or add-on work, whether or not caused in whole or in part by the Subcontractor or any person or entity employed, either directly or indirectly by the Subcontractor including any subcontractors thereof and their employees. The parties expressly agree that this indemnification agreement and 2) partial indemnity in the event of any actual negligence on the part of the Indemnitees either causing or contributing to the underlying claim which negligence is expressly excepted from the Subcontractor's obligation to indemnify. Attorneys' fees, court costs, expenses and disbursements shall be defined without limit to include those fees, costs, etc. incurred in defending the underlying claim and those fees, costs, etc. incurred in connection with the enforcement of this Subcontract Agreement. Indemnification under this Agreement shall operate whether or not Contractor has placed and maintained the insurance required under this agreement. The Subcontractor shall cause all subcontract agreements it enters into to include this indemnification clause so as to ensure that Contractor and all Indemnitees hereunder shall have the same protection from sub-subcontractors as is afforded by the Subcontractor.

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Deflector Plate Improvements

APPENDIX C
PREVAILING WAGES

PRC# 2025014453

APPENDIX D

TECHNICAL SPECIFICATIONS

**Contract Documents
For
Rockland Green
RFP 2025-08: New Fabricated Steel Pedestrian
Bridge & Deflector Plate Improvements
Clarkstown Transfer Station
West Nyack, New York**

PREPARED BY:



Environmental Design & Research, Landscape Architecture,
Engineering & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202



It is a violation of the New York State Education Law for any person unless he is acting under the direction of a licensed professional engineer, to alter an item on this specification in any way. If an item is altered, the altering engineer shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

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SECTION 01010

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Project - Work covered by Contract Documents.
- B. Limits of work area.
- C. Construction permits and easements.
- D. Work sequence.
- E. Quality assurance.
- F. Preconstruction conference.
- G. Progress meetings.
- H. Coordination with ongoing operations.

1.02 RELATED SECTIONS

- A. Rockland Green Agreement – New Fabricated Steel Pedestrian Bridge & Deflector Plate Improvements
- B. Section 01019 – Contract Considerations
- C. Section 01026 – Lump Sum Items
- D. Drawings D-101 and S-101 through S-106, prepared by EDR

1.03 WORK INCLUDED

- A. The Proposer shall furnish all materials, equipment, and labor for installing the following items, all in accordance with the drawings, specifications, and requirements of RFP-2025-08.
- B. Remove and salvage the existing wood framed pedestrian bridge. Proposer shall provide all rigging, equipment, and personnel to safely remove the existing wooden pedestrian bridge and store at a location inside the Clarkstown Transfer Station building where directed by Rockland Green.
- C. Fabricate and install a new galvanized steel pedestrian bridge, including beams, embedded anchors, C-channel supports, protective plates, and a 1-1/2 inch galvanized steel I-Bar Grating, complete, all in accordance with the drawings and technical specifications prepared by EDR (Engineer).
- D. Fabricate and install new 1-1/2 inch diameter galvanized steel post and pipe railing on each side of the bridge and extended from the existing rails. The openings between the new

railings and the existing railings shall be closed using rail and post extensions as shown on the drawings and approved by Rockland Green.

- E. Remove damaged deflector plates and fabricate and install new steel deflector plates (complete) along the back side of the truck loadout tunnel in accordance with the drawings and specifications prepared by EDR.
- F. Surface preparation for the installation of the pedestrian bridge components and deflector plates shall be the responsibility of the Proposer.
- G. Complete all site restoration as necessary to repair existing surface conditions that are disturbed or damaged during construction activities.
- H. Prepare and submit all required shop drawings as outlined in the technical specifications. No work shall commence until shop drawings have been reviewed and approved by Rockland Green's Engineer.
- I. Prepare and submit a construction schedule for review and acceptance by Rockland Green.
- J. Prepare and submit as-built drawings to Engineer for preparation of Record Drawings.

1.04 LIMITS OF WORK AREA

- A. Confine construction operations within the Contract Limits shown on the Drawings. Storage of equipment and materials, or erection and use of sheds outside of the Contract Limits, if such areas are the property of Rockland Green, shall be used only with Rockland Green's approval. Such storage or temporary structures, even within the Contract Limits, shall be confined to Rockland Green's property and shall not be placed on properties designated as easements or rights-of-way. All roadways and access to the transfer station shall remain open and clear from obstruction while operations are active.
- B. It is Rockland Green's intent to maintain ongoing operations at the Transfer Station during the active construction period and access to the Transfer Station will be shared.
- C. Contractor shall always maintain clear and free vehicular access to the transfer station unless specifically approved by Rockland Green with 24-hour notification and request.

1.05 CONSTRUCTION PERMITS AND EASEMENTS

- A. The Proposer shall obtain and pay for necessary construction permits from those authorities or agencies having jurisdiction over land areas, utilities or structures which are located within the Contract Limits, and which will be occupied, encountered, used, or temporarily interrupted by Contractor's operations.
- B. When construction permits are accompanied by regulations or requirements issued by a particular authority or agency, it shall be Proposer's responsibility to familiarize themselves and comply with such regulations or requirements as they apply to their operations on this project.

1.06 WORK SEQUENCE

- A. It is essential that Rockland Green maintain waste disposal services for users to the greatest extent possible during the work. Therefore, work activities shall only occur after regular work hours at the Transfer Station (refer to the daily work hours in the RFP).

- B. Construction activities shall not begin until Proposer has completed or received the following:
1. A fully executed Purchase Order, including all required forms and proof of insurance.
 2. Submittal of a written Schedule to indicate sequencing of work.
 3. Written receipt of all shop drawing approvals from the Authority's Engineer.
 4. Delivery of all equipment and other temporary facilities associated with mobilization of work crews.
 5. Authorization to proceed with work from Rockland Green.

1.07 QUALITY ASSURANCE

- A. The entire Contract work shall be completed in strict accordance with all applicable federal, state and local regulations and ordinances and the best standards of practice.

1.08 PRECONSTRUCTION CONFERENCE

- A. Engineer will schedule a conference after the Effective Contract Date.
- B. Attendance Required - Rockland Green, Engineer, Proposer, and each major subcontractor (if applicable).
- C. Agenda
1. Distribution of extra sets of Contract Documents.
 2. Submission of list of Subcontractors, list of products, Schedule of Values, and progress schedule.
 3. Designation of personnel representing the parties in Contract and the Engineer.
 4. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders and Contract closeout procedures.
 5. Scheduling.
 6. Scheduling activities of concrete testing laboratory (third-party testing by Rockland Green).
 7. Requirements of regulatory agencies.
 8. Use of premises by Rockland Green and Proposer.
 9. Temporary facilities to be provided by Rockland Green and by Proposer.
 11. Procedures for maintaining record documents.

12. Periodic cleanup of site.
 13. Notification of utilities' Owners.
- D. Engineer will record minutes and distribute copies within 5 days after meeting to participants, and to those affected by decisions made.

1.11 COORDINATION WITH ONGOING OPERATIONS

- A. Rockland Green's facility must remain in continuous operation during the work under this Contract.
- B. The Proposer is advised of the following work that may present interferences or require significant coordination and interfacing. This list is provided for information only and may not be complete.
 1. Transfer Operations at the Clarkstown Transfer Station.
- C. The costs associated with the interferences, coordination, and interfacing with the transfer station operator as well as Rockland Green shall be included in the Contract Price.

PART 2 PRODUCTS

Recommended product data sheets and manufacturers information are included in the applicable specification section.

PART 3 EXECUTION

1. All procedures shall be in accordance with the manufacturer's recommendations for the specified product.
2. Loose concrete shall be removed to a sound, durable concrete. Surface of the entire overlay area must be clean and sound, free of standing water, dust, laitance, grease, curing compounds, impregnations, waxes, foreign particles, and disintegrated materials that can act as a bond breaker.
3. Oil free compressed air shall be used to blow clean all prepared concrete areas or high-performance vacuum cleaner to remove all loose material and dust.

END OF SECTION

SECTION 01019

CONTRACT CONSIDERATIONS

PART 1 GENERAL

- A. **The contract considerations described under all Division 1 specifications are intended to serve as “Supplementary Conditions” to Rockland Green’s Standard Terms and Conditions described in the Agreement as executed between Rockland Green and Proposer. In all cases, Rockland Green’s Standard Terms and Conditions shall have precedence over all other terms and conditions described in these Division 1 specifications.**

1.02 DESCRIPTION OF WORK

- A. Schedule of Values.
- B. Applications for Payment.
- C. Change procedures.
- D. Alternates.

1.03 RELATED SECTIONS

- A. Rockland Green Agreement – New Fabricated Steel Pedestrian Bridge & Deflector Plate Improvements
- B. RFP 2025-08 - Summary of Work
- C. Specification Section 01010 – Summary of Work
- D. Specification Section 01300 – Submittals
- E. Specification Section 01400 – Quality Control

1.04 DEFINITIONS

- A. Mobilization - Mobilization includes, but is not limited to, performance of preparatory construction operations, including the movement of personnel and equipment to the project site; the cost of insurance and other securities (if required); application, fee payment, and acquisition of all required permits (i.e., erosion and sediment control plans, temporary and permanent building and trade permits, utility connections, etc.); and the establishment of Proposer’s temporary facilities required at the site in order to begin work.

1.05 SCHEDULE OF VALUES

Proposer shall provide a Schedule of Values only if requested by Rockland Green or if the duration of the Work exceeds one month.

- A. Submit one electronic copy in Microsoft Excel of the Schedule of Values prior to beginning construction activities.

- B. Line items shall be subdivided into the Price Proposal Summary Items shown on the Price Proposal Form.
- C. The sum of all line items in the Schedule of Values shall equal the Total Proposal Price included on the Price Proposal Form plus authorized Additive Alternatives (if any) as listed in the Agreement.
- D. Each line item shall include a directly proportional amount of the Proposer's overhead and profit.
- E. Schedule of Values shall serve as a breakdown of Work used to establish progress payments. Progress payments for lump sum items will be made based on the percentages of completion of the work items included in the Schedule of Values for each lump sum item. Progress payments for Unit Price Work will be based on actual quantities of work performed. Progress payments for Contingent Unit Price work will only be made if work is authorized by Rockland Green and Engineer.
- F. For Lump Sum Proposal Items, the following format shall be followed when developing the Schedule of Values.
 - 1. If Mobilization is not identified in the Price Proposal Form as a separate Proposed Price Item, Proposer shall include in the Schedule of Values a line item for Mobilization as part of a Lump Sum Proposal Price Item.
 - a. Lump sum line item shall include all work described in the definition of mobilization included herein.
 - b. Costs for bonds and insurance shall be included in the lump sum mobilization line item.
 - c. Mobilization cost shall not be greater than five percent of the Total Proposal Price.
 - 2. Include separate line items for demobilization and contract closeout.
 - 3. Format - Show cost breakdown for each lump sum item. Include, as a minimum, mobilization and demobilization and cost for materials.
- G. Revise Schedule of Values to include executed Change Orders with each Application for Payment.

1.06 APPLICATIONS FOR PAYMENT

A. **Refer to Rockland Green's Terms and Conditions**

1.07 CHANGE PROCEDURES

B. **Refer to Rockland Green's Terms and Conditions**

1.08 ALTERNATES – Not Used.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

END OF SECTION

SECTION 01026

LUMP SUM ITEMS (BID ITEM DESCRIPTIONS)

PART 1 GENERAL

1.01. SECTION INCLUDES

- A. Price basis.
- B. Elements of Bid Item Description page.
- C. Lump sum item list.
- D. Bid Item Descriptions.

1.02. PRICE BASIS

- A. Lump sum prices bid by Contractor are deemed to be full compensation for all required labor, products, tools, equipment, plant, transportation, testing, inspection, services, incidentals, administrative, procedures, applicable taxes, permit fees, overhead, profit, and other miscellaneous expenses.

1.03. ELEMENTS OF BID ITEM DESCRIPTION PAGE

- A. Identification of lump sum item, as set forth in the Bid Form.
- B. Statement of work involved in the item.
- C. Listing of components of work which make-up the item including reference to the section(s) covering each component.
- D. Cross-references to associated work not included in the item.

1.04. LUMP SUM ITEMS -

Bid Item No.	Bid Item Description
A-1	Furnish and Install Fabricated Steel Pedestrian Bridge Over Loadout Tunnel, Complete
A-2	Remove, Furnish and Install Deflector Plates, Including Repairs where Shown, Complete
A-3	Remove and Salvage Existing Wooden Pedestrian Bridge, Complete

1.06 BID ITEM DESCRIPTIONS

- A. Bid Item Description pages identified above are attached at the end of this section.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

(continued)

BID ITEM DESCRIPTION A-1

FURNISH AND INSTALL FABRICATED STEEL PEDESTRIAN BRIDGE OVER LOADOUT TUNNEL, COMPLETE

- A. DESCRIPTION Under this item, Contractor shall provide all labor, materials, and equipment (rented and owned) necessary to fabricate and install a new pedestrian bridge over the loadout tunnel, including surface preparation after removal of the temporary wooden bridge; site preparation; new galvanized steel beams and galvanized C-channels; angle iron; protective steel plate (hung along bridge); adhesive anchors; galvanized steel decking; galvanized posts and handrails; galvanized rail extensions for existing handrail system; all miscellaneous fasters and connectors; and site restoration. All work shall be performed in accordance with the Terms and Conditions of the Agreement with Rockland Green and as shown on the Contract Drawings.
- B. WORK INCLUDED UNDER THIS ITEM
- Mobilization
 - Demobilization
 - All materials must be submitted and approved prior to installation.
 - Hot work permit
 - All work as shown on the Drawings
 - Specified timing and work sequencing per RFP
- C. ASSOCIATED WORK NOT INCLUDED UNDER THIS ITEM Other Lump Sum items.
- D. METHOD OF PAYMENT Measurement shall be based on the progress of completion of all activities including labor, equipment, and materials necessary to complete specified construction work, or in accordance with a Schedule of Values, if requested. Payment for stored materials shall include backup for proof of purchase and must have been delivered to the site.

(continued)

BID ITEM DESCRIPTION A-2

REMOVE, FURNISH AND INSTALL STEEL DEFLECTOR PLATES, INCLUDING REPAIRS WHERE SHOWN,
COMPLETE

- A. DESCRIPTION Under this item, Contractor shall provide all labor, materials, and equipment (rented and owned) necessary to fabricate, install, replace, and repair existing steel deflector plates along the back side of the truck loadout tunnel as shown on the drawings, including demolition/removal of damaged deflector plates; surface preparation; site preparation; coordination with Rockland Green for relocation of truck scale communication system; new steel plates; welding; welded repairs; all associated work; and site restoration and cleanup. All work shall be performed in accordance with the Terms and Conditions of the Agreement with Rockland Green and as shown on the Contract Drawings.
- B. WORK INCLUDED UNDER THIS ITEM
- Mobilization
 - Demobilization
 - All materials must be submitted and approved prior to installation.
 - Hot work permit
 - All work as shown on the Drawings
- C. ASSOCIATED WORK NOT INCLUDED UNDER THIS ITEM Other Lump Sum items.
- D. METHOD OF PAYMENT Measurement shall be based on the progress of completion of all activities including labor, equipment, and materials necessary to complete specified construction work, or in accordance with a Schedule of Values, if requested. Payment for stored materials shall include backup for proof of purchase and must have been delivered to the site.

(continued)

BID ITEM DESCRIPTION A-3

REMOVE AND SALVAGE EXISTING WOODEN PEDESTRIAN BRIDGE, COMPLETE

- A. DESCRIPTION Under this item, Contractor shall provide all labor, rigging, materials, and equipment (rented and owned) necessary to remove and salvage the existing wooden pedestrian bridge. The wooden bridge shall be stored in the same transfer station building in an area designated by Rockland Green. All work shall be performed in accordance with the Terms and Conditions of the Agreement with Rockland Green and as shown on the Contract Drawings.
- B. WORK INCLUDED UNDER THIS ITEM
- Rigging/equipment mobilization & demobilization
 - Disassembly as required to relocate wooden bridge
 - A schedule and work plan shall be submitted to Rockland Green prior to the commencement of work (for coordination purposes with ongoing operations).
 - Specified timing and work sequencing per RFP
- C. ASSOCIATED WORK NOT INCLUDED UNDER THIS ITEM Other Lump Sum items.
- D. METHOD OF PAYMENT Measurement shall be based on the progress of completion of all activities including labor, equipment, and materials necessary to complete specified construction work, or in accordance with a Schedule of Values, if requested.

END OF SECTION

SECTION 01300

SUBMITTALS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Submittal procedures.
- B. Construction progress schedule
- C. Proposed products list.
- D. Shop drawings.
- E. Substitutions
- F. Manufacturers' instructions.

1.02 RELATED SECTIONS

- A. Rockland Green Agreement – New Fabricated Steel Pedestrian Bridge & Deflector Plate Improvements
- B. Contract Drawings

1.03 SUBMITTAL PROCEDURES

- A. Transmit each required submittal using Rockland Green and Engineer accepted form.
- B. Sequentially number the transmittal forms. Resubmittals shall have original number with an alphabetic suffix.
- C. Identify project, Proposer, subcontractor or supplier; pertinent Drawing sheet and detail number(s), and specification section number, as appropriate.
- D. Apply Proposer's stamp, signed or initialed certifying that review, verification of products required, field dimensions, adjacent construction work, and coordination of information, is in accordance with the requirements of the work and Contract Documents. Stamp shall show the following information:
 - 1. Shop Submittal Number: _____
 - 2. Deviations: None _____; As Listed _____
 - 3. Reference Specification Number: _____
 - 4. Reference Drawing Number: _____
 - 5. Space Requirement: As Designed _____ Different, As Listed _____
 - 6. Representation is made to Rockland Green and Engineer that the Proposer has

determined and verified all field measurements and quantities, field construction criteria, materials, catalog numbers and similar data, that he has reviewed and coordinated the information in each shop drawing with the requirements of the work and the Contract Documents, and hereby approves this submittal.

Proposer _____

Signature _____

Date _____

- E. All submittals shall be submitted through electronic submission system. All submittals shall be in PDF format. All files shall be combined into a single bookmarked file for easier review.
- F. Schedule submittals to expedite the Project and deliver to Engineer via email (jway@edrdpc.com). Coordinate submission of related items. Proposer shall anticipate that submittals will be reviewed within 7 calendar days. Proposer shall take into account the submittal review time in their schedule and plan accordingly. No work shall proceed under this RFP 2025-08 until all shop drawings have been approved and equipment and materials have been delivered to the site.
- G. Identify deviations from Contract Documents and Product or system limitations which may be detrimental to successful performance of the completed work.
- H. Identify space requirements which differ from those designed or shown on the Contract Documents.
- I. Revise and resubmit shop drawings as required until accepted by Engineer. Identify all changes made since previous submittal in a cover letter or memorandum. Rockland Green reserves the right to recover cost for engineering review time from the Proposer if there are more than one resubmittal for any given shop drawing.
- J. Distribute copies of reviewed submittals to concerned parties. Instruct parties to promptly report any inability to comply with provisions.
- K. Submittals not requested will not be recognized or processed.

1.04 CONSTRUCTION PROGRESS SCHEDULE

- A. Submit preliminary progress schedule in duplicate within 10 days after effective date of Rockland Green and Proposer Agreement for Engineer review.
- B. Submit finalized progress schedule at least 10 days before submission of the first Application for Payment.
- C. If the construction period extends beyond one month, submit revised (updated) schedules at each progress meeting, identifying changes since previous version.

1.05 PROPOSED PRODUCTS LIST

- A. For products specified only by reference standards, give manufacturer, trade name, model or catalog designation, and reference standards.

1.06 SHOP DRAWINGS

- A. Electronic copies of shop drawings are allowed but must contain a complete submittal. Multiple email submissions for the same submittal will be returned as "not reviewed".
- B. After review and approval by Engineer, distribute and preserve copies for record documents purposes.

1.07 SUBSTITUTIONS

- A. Rockland Green and Engineer will consider requests for substitute or "or equal" items after the Effective Date of Rockland Green - Proposer Agreement.
- B. Substitutions may be considered when a product becomes unavailable through no fault of the Proposer. Furnish evidence that product is unavailable.
- C. Document each request with complete data substantiating compliance of proposed substitution with Contract Documents.
- D. A request constitutes a representation that the Proposer:
 - 1. Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product.
 - 2. Will provide the same warranty for the substitution as for the specified product.
 - 3. Will coordinate installation and make changes to other work which may be required for the work to be complete with no additional cost to Rockland Green.
 - 4. Waives claims for additional costs or time extension which may subsequently become apparent.
 - 5. Will reimburse Rockland Green the costs incurred by Rockland Green for review and any subsequent redesign services by Engineer, including Engineer's revisions to the Contract Documents, and Engineer's assistance in connection with review by authorities when re-approval is required, if Engineer determines that the item of material or equipment proposed by Proposer is a substitute item.
- E. Substitutions will not be considered when they are indicated or implied on shop drawings or product data submittals, without separate written request, or when acceptance will require revision to the Contract Documents.
- F. Submittal Procedures
 - 1. Submit to Engineer three copies of request for substitution for consideration, limiting each request to one proposed substitution.
 - 2. Each request shall basically conform to the procedures outlined in Article 1.03 of this section.
 - 3. Include shop drawings, product data, and certified test results attesting to the proposed product equivalence.
 - 4. The Engineer will notify Proposer, in writing, of decision to accept or reject request.

1.08 MANUFACTURER'S INSTRUCTIONS

- A. When specified in individual specification sections or on the drawings, submit manufacturers' printed instructions for delivery, storage, assembly, installation, startup, adjusting, and finishing, in quantities specified for product data.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

END OF SECTION

SECTION 01400

QUALITY CONTROL

PART 1 GENERAL

1.01. SECTION INCLUDES

- A. Quality assurance and control of installation.
- B. References and standards.
- C. Tolerances.
- D. Tests and inspections.
- E. Manufacturers' field services.

1.02. QUALITY ASSURANCE AND CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce work of specified quality.
- B. Comply fully with manufacturers' instructions.
- C. If manufacturers' instructions conflict with Contract Documents, request clarification from Engineer before proceeding.
- D. Comply with specified standards as a minimum quality for the work except when code requirements or equipment manufacturer requires more stringent standards.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, and disfigurement.
- G. Employ skilled and experienced installer to perform cutting and patching.
- H. Submit written request in advance of cutting or altering elements which may affect:
 - 1. Structural integrity of element.
 - 2. Integrity of weather-exposed or moisture-resistant elements.
 - 3. Efficiency, maintenance, or safety of element.
 - 4. Visual qualities of sight-exposed elements.
 - 5. Work or operations of Rockland Green.
- I. Execute cutting, fitting, and patching to complete work and to:
 - 1. Fit the several parts together, to integrate with other work.

2. Remove and replace defective and non-conforming work.
- J. Execute work by methods which will avoid damage to other work and provide proper surfaces to receive patching and finishing.
- K. Cut rigid materials using proper equipment.
- L. Restore work with new products in accordance with requirements of Contract Documents.
- M. Refinish surfaces to match adjacent finishes. For continuous surfaces, refinish to nearest intersection; for an assembly, refinish entire unit.
- N. Identify any hazardous substance or condition exposed during the work to Rockland Green and Engineer in writing for decision or remedy.

1.03. REFERENCES AND STANDARDS

- A. For products and workmanship specified by association, trade, or other consensus standards, comply with requirements of the standard, except when more rigid requirements are specified and/or are required by applicable codes.
- B. Obtain copies of standards where required by individual specification sections.
- C. If specified reference standards conflict with Contract Documents, request clarification from Engineer before proceeding.

AWS A2.4	Standard Symbols for Welding
AWS D1.1	Welding Code - Steel
ASTM A6	General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling
ASTM A36	Specification for Carbon Structural Steel
ASTM A48	Gray Iron Coatings
ASTM A123	Zinc (Hot-Dip Galvanized) Coatings on Steel Products
ASTM A153	Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM A307	Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength
ASTM A325	Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength
ASTM A489	Carbon Steel Lifting Eyes
ASTM A500	Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes
ASTM A572	High-Strength Low-Alloy Columbium-Vanadium Structural Steel
ASTM A992	Specification for Structural Steel Shapes
ASTM B209	Aluminum and Aluminum-Alloy Sheet and Plate
ASTM B221	Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
ASTM B241	Aluminum-Alloy 6063 Seamless Pipe and Extruded Tube
ASTM B308	Aluminum-Alloy 6061-T6 Standard Structural Profiles
ASTM B632	Aluminum-Alloy Rolled Tread Plate
ASTM F593	Stainless Steel Bolts, Hex Cap Screws, and Studs
ASTM F1554	Anchor Bolts, Steel, 36, 55, and 105 ksi Yield Strength
ASTM F2329	Zinc Coating, Hot-Dip, Requirements for Carbon and Alloy Steel Bolts, Screws, Washers, Nuts, and Special Threaded Fasteners

1.04. TOLERANCES

- A. Monitor fabrication and installation tolerance control to produce acceptable work. Do not permit tolerances to accumulate.
- B. Comply with manufacturers' tolerances. If manufacturers' tolerances conflict with Contract Documents, request clarification from Engineer before proceeding.
- C. Adjust products to appropriate dimensions; position before securing products in place.

1.05. MANUFACTURERS' FIELD SERVICES

- A. When specified in individual specification sections, material or product suppliers or manufacturers shall provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust and balance of equipment, equipment demonstration, and training as applicable, and to initiate instructions when necessary.
- B. Staff person to report observations, site conditions, or instructions given to applicators or installers, which are supplemental or contrary to manufacturers' written instructions
- C. Report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

END OF SECTION

SECTION 05120

STRUCTURAL STEEL FRAMING

PART 1 GENERAL

1.01. SECTION INCLUDES

- A. Fabrication and erection of pedestrian bridge structural steel framing, including beams, columns, and braces.
- B. Framing connections and accessories.

1.02. REFERENCES

The publications listed below form a part of these specifications.

ASTM A36	Specification for Structural Steel
ASTM A123	Zinc (Hot-Dipped Galvanized) Coatings on Steel Products
ASTM A325	Structural Bolts, Steel, Heat Treated, 120/150 ksi Minimum Tensile Strength
ASTM A490	Structural Bolts, Alloy Steel, Heat Treated, 150 ksi Minimum Tensile Strength
ASTM A500	Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Round and Shapes
ASTM A992	Specification for Structural Steel Shapes
ASTM F1554	Anchor Bolts, Steel, 36, 55, and 105 ksi Yield Strength
AWS D1.1	Structural Welding Code
AISC 360	American Institute of Steel Construction: Specification for Structural Steel Buildings
SSPC	The Society for Protective Coatings

1.03. SUBMITTALS

- A. Submit documentation to show either current AISC Quality Certification or a minimum of five years' experience.
- B. Shop Drawings
 - 1. Include detailed fabrication drawings with Bill of Materials and finishes, erection drawings, and applicable details such that the Proposer does not need to reference the Contract Drawings. (Photocopies of Contract Drawings, in whole or in part, are not acceptable.)
 - 2. Indicate profiles, sizes, connections, attachments, anchorage, size and type of welds (using standard American Welding Society [AWS] welding symbols), fasteners, and accessories.
 - 3. All resubmittals of shop drawings shall have all revisions/corrections clearly highlighted to the Engineer (e.g., labeled, clouded, etc.).

- C. Submit manufactured items and accessories in accordance with the relevant specification section.

1.04. DELIVERY, STORAGE AND HANDLING

- A. Loading, transporting, unloading and storing of materials and components shall be so conducted that the components and shop paint coat will be kept clean and free from deformation and damage caused by rough handling.
- B. Materials and components shall be piled on suitable skids so as not to rest directly upon the ground or in water.
- C. Replace damaged manufactured items with new items.

1.05. COORDINATION

- A. The erection of structural framing shall be coordinated with required Special Inspections.
- B. The installation of wall panels, roof panels, piping supports, and all other accessories shall be coordinated. Miscellaneous fabrication needed for the attachment of these accessories to structural framing shall be provided by the Proposer.

1.06. QUALITY ASSURANCE

- A. Fabricator shall be an AISC Quality Certified Fabricator or, as a minimum, fabricator shall be a company specializing in performing the work of this section under a current certified quality control program and has minimum five years' documented experience.
- B. The fabrication facilities shall be suitably enclosed to provide a consistently controlled quality environment during production, and the facilities shall also have sufficient capacity and equipment capable of producing the work all within the allotted time.
- C. Weld procedures and welder personnel must be AWS qualified. Maintain procedures and certificates on file. (Submit only when requested.)
- D. Fabricate structural steel members in accordance with AISC 360.
- E. Changes to structural framing and connections shall not be performed without written approval by the Engineer.

PART 2 PRODUCTS

2.01. MATERIALS

- A. Structural Steel Members and Components – Reference Section 05500.
- B. Framing Bolts - ASTM A325, Type 1, 3/4-inch diameter minimum.
- C. Welding Materials - AWS D1.1; filler metal shall conform to AWS 5.1 or 5.5 and E70XX SMAW electrodes shall be used.
- D. Anchor Rods (Bolts) - Reference Section 05500.

- E. Baseplate Grout - 7,000 psi non-shrink manufactured grout.

2.02. FABRICATION

- A. All structural material shall be straightened in the shop before any work is done on it. All shearing shall be neatly and accurately done. Flame cutting may be used provided it is performed by a machine.
- B. All necessary fittings, connections or other details not shown on the Contract Drawings but necessary for the work shall be furnished by the Proposer.
- C. All shop fabrication shall be made by the process of welding unless bolting is called for on the Contract Drawings. Welding shall be in accordance with the standards of the AWS for fusion welding and flame cutting in building construction. Members to be jointed by welding shall be accurately cut to size.
- D. Surface of the plates or members to be welded shall be free from rust, grease or scale at the time of the welding for a distance of 2 inches from the welding edge. Welds shall be free of defects, cracks, porosity, etc., to conform to AWS standards.

Minor imperfections in the welding may be chipped off and the defect rewelded. Finished welded joints shall be reasonably smooth and free from grooves, depressions and other irregularities and unsound material. Distortion due to welding shall not be corrected by blows.

- E. The Proposer shall employ skilled welders capable of meeting the qualification tests for the type of welding which they are to perform. All welders shall be subject to the qualifications test prescribed by the standard qualification procedure of the AWS.

The Engineer shall have the right at any time to call for and witness the making of the test specimen by any welder in accordance with the above and to observe the physical test of the test specimens. Materials shall be furnished and all tests shall be made by, and at the expense of, the Proposer.

F. Fabrication Tolerances

- 1. Squareness - 1/8-inch maximum difference in diagonal measurements.
- 2. Maximum Offset Between Faces - 1/16-inch.
- 3. Maximum Misalignment of Adjacent Members - 1/16-inch.
- 4. Maximum Bow - 1/8-inch in 48 inches.
- 5. Maximum Deviation From Plane - 1/16-inch in 48 inches.

G. Connections

- 1. All connections shall consist of shop welding and field bolting.

2. In general, all beam connections shall be full depth, using 3/8-inch thick clip angles on each side of the web (except one side for channel connections) and 3/4-inch diameter bolts. (Other connections, bracing, hangers, etc., shall be minimum 2-bolt connections unless shown otherwise.) Reference the connection details indicated on the Contract Drawings.

2.03. FINISH

- A. Prepare steel surfaces in accordance with SSPC SP-6 standard for commercial blast.
- B. Galvanizing: Hot-dip galvanize all framing associated with pedestrian bridge to comply with ASTM A153/A153M for steel and iron hardware and with ASTM A123/ASTM123M for other steel and iron products.
 1. Do not quench or apply post galvanizing treatments that might interfere with paint adhesion.
- C. Preparation for Shop Priming Galvanized Items: After galvanizing, thoroughly clean galvanized surfaces of grease, dirt, oil, flux, and other foreign matter, and treat with metallic phosphate process.
- D. Shop prime structural steel members and components that are not galvanized. Prime paint shall be compatible with top coat of approved coating system. Do not prime surfaces that will be field welded.
- E. Field touch up and top coat all painted steel framing after installation. If steel members will not be accessible after installation, top coat those members prior to installation.

PART 3 EXECUTION

3.01. EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work. Measurements and dimensions to be field verified.
- B. Beginning of installation means Proposer (erector) has verified and accepts existing conditions.

3.02. PREPARATION

- A. Loading, transporting, unloading and piling of structural material shall be so conducted that the steel and shop paint coat or galvanized coating will be kept clean and free from damage caused by rough handling. Material shall be piled on suitable skids so as not to rest upon the ground or in water.
- B. Proposer shall verify layout of cast-in anchor rods (bolts) and confirm they are correctly placed.

3.03. ERECTION

- A. Items to be installed in conformance with specifications and details shown on approved shop drawings with all parts in alignment, true and rigid, plumb and level, accurately fitted, and free from distortion or defects.

- B. Proposer shall furnish all equipment, labor, temporary bracing, and accessories required for the erection of structural steel. He shall assume all risk from accidents and all damage to persons and property resulting from his work until the work is completed.
- C. Allow for erection loads and provide sufficient temporary bracing to maintain structure safe, plumb, and in true alignment until completion of erection and installation of permanent bracing.
- D. Only field weld components indicated on the approved shop drawings. Perform field welding of components in accordance with AWS.
- E. High strength bolts shall be used for all steel connections that are not welded. Surfaces of the bolted parts shall fit solidly together. Surfaces when assembled shall be free of dirt, oil, loose scale, etc., and other defects that would prevent solid contact or otherwise hinder the development of friction between the parts. Bolts shall be assembled with a hardened washer under the bolt head and nut. All nuts shall be tightened to achieve the bolt tension recommended by the manufacturer.

Bolt threads shall not project beyond nuts more than one thread or shall be cut off and ground smooth. Nuts shall have the thread upset to prevent nut from loosening after erection.
- F. Exposed work shall be neatly finished. Joints shall be made true and tight. Mechanically fasten joints butted tight. Grind welds smooth and flush.
- G. After erection, mechanically clean and prime or touch-up welds, abrasions, and surfaces not shop primed or galvanized.
- H. Field touch-up and top coat all primed and painted steel surfaces after installation. Use zinc-rich touch-up paint for galvanized surfaces.
- I. Obtain Engineer approval prior to site cutting or making adjustments not indicated on shop drawings.

3.04. ERECTION TOLERANCES

- A. Maximum Variation from Plumb - 1/4-inch.
- B. Maximum Offset from True Alignment - 1/4-inch.
- C. Maximum Out-of-Position - 1/4-inch.
- D. Maximum Variation from Top Surface Plane of Adjacent Sections - $\pm 1/8$ inch.

END OF SECTION

SECTION 05500

MISCELLANEOUS FABRICATIONS

PART 1 GENERAL

1.01. SECTION INCLUDES

- A. Steel framing and supports for applications where framing and supports are not specified in other Sections.

1.02. COORDINATION

- A. Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written instructions to ensure that shop primers and topcoats are compatible with one another.
- B. Coordinate installation of metal fabrications that are anchored to or that receive other work. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

1.03. ACTION SUBMITTALS

- A. Product Data: For the following:
 - 1. Fasteners.
 - 2. Shop primers.
 - 3. Shrinkage-resisting grout.
- B. Shop Drawings: Show fabrication and installation details. Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items. Provide Shop Drawings for the following:
 - 1. Steel framing and supports for applications where framing and supports are not specified in other Sections.

1.04. INFORMATIONAL SUBMITTALS

- A. Qualification Data: For professional engineer's experience with providing delegated-design engineering services of the kind indicated, including documentation that engineer is licensed in the jurisdiction in which Project is located.
- B. Mill Certificates: Signed by stainless steel manufacturers, certifying that products furnished comply with requirements.
- C. Welding certificates.
- D. Paint Compatibility Certificates: From manufacturers of topcoats applied over shop primers, certifying that shop primers are compatible with topcoats.

1.05. QUALITY ASSURANCE

- A. Welding Qualifications: Qualify procedures and personnel in accordance with the following:
 - 1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
 - 2. AWS D1.2/D1.2M, "Structural Welding Code - Aluminum."

1.07. FIELD CONDITIONS

- A. Field Measurements: Verify actual locations of walls, floor slabs, decks, and other construction contiguous with metal fabrications by field measurements before fabrication.

PART 2 PRODUCTS

2.01. METALS

- A. Metal Surfaces, General: Provide materials with smooth, flat surfaces unless otherwise indicated. For metal fabrications exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.
- B. W-Shapes: ASTM A992.
- C. Steel Plates, Shapes, and Bars: ASTM A36/A36M.
- D. Rolled-Steel Floor Plate: ASTM A786/A786M, rolled from plate complying with ASTM A36/A36M or ASTM A283/A283M, Grade C or D.
- E. Steel Tubing: ASTM A500/A500M, cold-formed steel tubing.
- F. Steel Pipe: ASTM A53/A53M, Standard Weight (Schedule 40) unless otherwise indicated.
- G. Cast Iron: Either gray iron, ASTM A48/A48M, or malleable iron, ASTM A47/A47M, unless otherwise indicated.
- H. Aluminum Plate and Sheet: ASTM B209, Alloy 6061-T6.
- I. Aluminum Extrusions: ASTM B221, Alloy 6063-T6.
- J. Aluminum-Alloy Rolled Tread Plate: ASTM B632/B632M, Alloy 6061-T6.
- K. Aluminum Castings: ASTM B26/B26M, Alloy 443.0-F.

2.02. FASTENERS

- A. General: Unless otherwise indicated, provide Type 304 stainless steel fasteners for exterior use and zinc-plated fasteners with coating complying with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5, at exterior walls. Select fasteners for type, grade, and class required.
 - 1. Provide stainless steel fasteners for fastening aluminum.
 - 2. Provide galvanized fasteners for fastening galvanized members.
- B. Steel Bolts and Nuts: Regular hexagon-head bolts, ASTM A307, Grade A; with hex nuts, ASTM A563; and, where indicated, flat washers.
- C. High-Strength Bolts, Nuts, and Washers: ASTM F3125/F3125M, Grade A325, Type 3, heavy-hex steel structural bolts; ASTM A563, Grade DH3, heavy-hex carbon-steel nuts; and where indicated, flat washers.
- D. Stainless Steel Bolts and Nuts: Regular hexagon-head annealed stainless steel bolts, ASTM F593; with hex nuts, ASTM F594; and, where indicated, flat washers; Alloy Group 1.
- E. Anchor Bolts: ASTM F1554, Grade 36, of dimensions indicated; with nuts, ASTM A563; and, where indicated, flat washers.
 - 1. Hot-dip galvanize or provide mechanically deposited, zinc coating where item being fastened is indicated to be galvanized.
- F. Anchors, General: Capable of sustaining, without failure, a load equal to six times the load imposed when installed in unit masonry and four times the load imposed when installed in concrete, as determined by testing in accordance with ASTM E488/E488M, conducted by a qualified independent testing agency.
- G. Cast-in-Place Anchors in Concrete: Either threaded or wedge type unless otherwise indicated; galvanized ferrous castings, either ASTM A47/A47M malleable iron or ASTM A27/A27M cast steel. Provide bolts, washers, and shims as needed, all hot-dip galvanized per ASTM F2329/F2329M.

2.03. MISCELLANEOUS MATERIALS

- A. Universal Shop Primer: Fast-curing, lead- and chromate-free, universal modified-alkyd primer complying with MPI#79 and compatible with topcoat.
 - 1. Use primer containing pigments that make it easily distinguishable from zinc-rich primer.
- B. Galvanizing Repair Paint: High-zinc-dust-content paint complying with SSPC-Paint 20 and compatible with paints specified to be used over it.
- C. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.
- D. Shrinkage-Resistant Grout: Factory-packaged, nonmetallic, nonstaining, noncorrosive, nongaseous grout complying with ASTM C1107/C1107M. Provide grout specifically recommended by manufacturer for interior and exterior applications.

2.04. FABRICATION, GENERAL

- A. Shop Assembly: Preassemble items in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.
- B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.
- C. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.
- D. Form exposed work with accurate angles and surfaces and straight edges.
- E. Weld corners and seams continuously to comply with the following:
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove welding flux immediately.
 - 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing.
- F. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners or welds where possible. Where exposed fasteners are required, use Phillips flat-head (countersunk) fasteners unless otherwise indicated. Locate joints where least conspicuous.
- G. Fabricate seams and other connections that are exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate.
- H. Cut, reinforce, drill, and tap metal fabrications as indicated to receive finish hardware, screws, and similar items.
- I. Provide for anchorage of type indicated; coordinate with supporting structure. Space anchoring devices to secure metal fabrications rigidly in place and to support indicated loads.
- J. Where units are indicated to be cast into concrete or built into masonry, equip with integrally welded steel strap anchors, 1/8 by 1-1/2 inches, with a minimum 6-inch embedment and 2-inch hook, not less than 8 inches from ends and corners of units and 24 inches o.c., unless otherwise indicated.

2.05. MISCELLANEOUS FRAMING AND SUPPORTS

- A. General: Provide steel framing and supports not specified in other Sections as needed to complete the Work.
- B. Fabricate units from steel shapes, plates, and bars of welded construction unless otherwise indicated.

- C. Fabricate to sizes, shapes, and profiles indicated and as necessary to receive adjacent construction.
 - 1. Fabricate units from slotted channel framing where indicated.
 - 2. Furnish inserts for units installed after concrete is placed.
- D. Galvanize miscellaneous framing and supports associated with the pedestrian bridge..
- E. Prime miscellaneous framing and supports with zinc-rich primer where indicated.

2.06. GENERAL FINISH REQUIREMENTS

- A. Finish metal fabrications after assembly.
- B. Finish exposed surfaces to remove tool and die marks and stretch lines, and to blend into surrounding surface.

2.07. STEEL AND IRON FINISHES

- A. Galvanizing: Hot-dip galvanize all framing associated with pedestrian bridge to comply with ASTM A153/A153M for steel and iron hardware and with ASTM A123/A123M for other steel and iron products.
 - 1. Do not quench or apply post galvanizing treatments that might interfere with paint adhesion.
- B. Preparation for Shop Priming Galvanized Items: After galvanizing, thoroughly clean galvanized surfaces of grease, dirt, oil, flux, and other foreign matter, and treat with metallic phosphate process.
- C. Shop prime iron and steel items associated with deflector plates and not indicated to be galvanized unless they are to be embedded in concrete, sprayed-on fireproofing, or masonry, or unless otherwise indicated.
 - 1. Shop prime with universal shop primer unless indicated.
- D. Preparation for Shop Priming: Prepare surfaces to comply with SSPC-SP 6/NACE No. 3, "Commercial Blast Cleaning."
- E. Shop Priming: Apply shop primer to comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," for shop painting.

PART 3 EXECUTION

3.01. INSTALLATION, GENERAL

- A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal fabrications. Set metal fabrications accurately in location, alignment, and elevation; with edges and surfaces level, plumb, true, and free of rack; and measured from established lines and levels.
- B. Fit exposed connections accurately together to form hairline joints. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size

limitations. Do not weld, cut, or abrade surfaces of exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.

- C. Field Welding: Comply with the following requirements:
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove welding flux immediately.
 - 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
- D. Fastening to In-Place Construction: Provide anchorage devices and fasteners where metal fabrications are required to be fastened to in-place construction. Provide threaded fasteners for use with concrete and masonry inserts, toggle bolts, through bolts, lag screws, wood screws, and other connectors.
- E. Provide temporary bracing or anchors in formwork for items that are to be built into concrete, masonry, or similar construction.
- F. Corrosion Protection: Coat concealed surfaces of aluminum that come into contact with grout, concrete, masonry, wood, or dissimilar metals with the following:
 - 1. Cast Aluminum: Heavy coat of bituminous paint.
 - 2. Extruded Aluminum: Two coats of clear lacquer.

3.02. INSTALLATION OF MISCELLANEOUS FRAMING AND SUPPORTS

- A. General: Install framing and supports to comply with requirements of items being supported, including manufacturers' written instructions and requirements indicated on Shop Drawings.

3.03. INSTALLATION OF BEARING AND LEVELING PLATES

- A. Clean concrete and masonry bearing surfaces of bond-reducing materials and roughen to improve bond to surfaces. Clean bottom surface of plates.
- B. Set bearing and leveling plates on wedges, shims, or leveling nuts. After bearing members have been positioned and plumbed, tighten anchor bolts. Do not remove wedges or shims but, if protruding, cut off flush with edge of bearing plate before packing with shrinkage-resistant grout. Pack grout solidly between bearing surfaces and plates to ensure that no voids remain.

3.04. REPAIRS

- A. Touchup Painting:
 - 1. Immediately after erection, clean field welds, bolted connections, and abraded areas. Paint uncoated and abraded areas with same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.

- a. Apply by brush or spray to provide a minimum 2.0-mil dry film thickness.
- B. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A780/A780M.

END OF SECTION

SECTION 05505

POST INSTALLED CONCRETE ANCHORS

PART 1 GENERAL

1.01. SECTION INCLUDES

- A. Post-installed chemical adhesive anchor system for installing threaded rods (bolts) and reinforcing bar dowels into concrete and masonry. Both threaded rods (bolts) and dowels are referred to as anchors herein.
- B. Limited use of post-installed mechanical anchors in concrete and masonry.

1.02. REFERENCES

ACI 355.1R	State-of-the-Art Report on Anchorage to Concrete
ASTM A153	Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM A307	Carbon Steel Bolts and Studs, 60 ksi Tensile Strength
ASTM A325	Structural Bolts, Heat Treated, 120/105 ksi Tensile Strength
ASTM A449	Hex Cap Screws, Bolts and Studs, Steel, Heat Treated, 120/105/90 ksi Minimum Tensile Strength, General Use
ASTM A615	Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement
ASTM E488	Strength of Anchors in Concrete and Masonry Elements
ASTM E1512	Testing Bond Performance of Bonded Anchors
ASTM F593	Stainless Steel Bolts, Hex Cap Screws, and Studs
ASTM F594	Stainless Steel Nuts
ASTM F1554	Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength
ICC AC 308	Acceptance Criteria for Post-installed Adhesive Anchors in Concrete Elements

1.03. SUBMITTALS

- A. Submit catalog cuts for chemical adhesive grout product to be used for anchoring threaded rods (bolts) and dowels into concrete and/or masonry. Catalog cuts (do not submit whole catalogs) shall be clearly marked to include:
 - 1. Tension and shear strength design values for each anchor size used on this project.
 - 2. Manufacturer's installation instructions.
 - 3. Allowable temperature range for proper anchor installation.
- B. Submit the ICC-ES Evaluation Service Report (ESR) for proposed adhesive anchor system if not a named product below in Part 2.

- C. Submit data on adhesive anchor threaded rods to be used, including materials, sizes, lengths, etc.
- D. Submit catalog cuts on mechanical, expansion-type anchor bolts and drop-ins, and clarification on the requested use.

1.04. QUALITY ASSURANCE

- A. If the Proposer is not experienced in installing chemical adhesive anchors, or as requested by the Engineer, a representative from the adhesive anchor manufacturer shall be present at start of project to instruct the Proposer on how to properly install the adhesive anchors.
- B. Upon request, 5 percent of all adhesive anchors shall be proof-loaded by an independent testing laboratory. The location(s) shall be determined by Engineer. These tests shall be paid for by the Proposer and the results shall be submitted to the Engineer.
- C. Adhesive anchor systems shall have a current ICC-ES Evaluation Service Report that states recommended design capacities. Reports shall be performed in accordance with ICC AC308 and ASTM E1512.

1.05. COORDINATION

- A. Coordinate the placement of anchor bolts with approved items and fabrications.

PART 2 PRODUCTS

2.01. MATERIALS

- A. Adhesive anchor system shall be a high-strength, premeasured, two-part, self-mixing, cartridge-type epoxy adhesive such as "HIT HY 200" by Hilti, Inc.; "Epcon S7" by ITW Red Head, "Set-XP" by Simpson Strong-Tie Company, Inc.; "AC 100+ Gold" by DeWalt.; or equal.
 - 1. Provided adhesive anchor system shall meet or exceed the minimum loading capacities of these specified products.
 - 2. Where anchors or dowels are to be drilled and embedded into hollow (ungrouted) masonry, provide adhesive and sleeve (screen tube) system for this specific application. Provide adhesive anchor system specifically designed for masonry applications.
- B. Mechanical Anchors – Mechanical (expansion-type) anchors are not allowed unless specifically requested (for a special application) by the Proposer and approved by Engineer in writing. Refer to limitations of use stated in Part 3.
 - 1. If approved, they shall be hot-dip galvanized or stainless steel expansion-type bolts or drop-in anchors.
 - 2. Anchors shall be rated for a minimum of twice the required load capacity.
- C. Threaded Anchors – Threaded anchors with integral threaded rod coupler for use in overhead applications.
 - 1. Anchors shall be rated for a minimum of twice the required load capacity.

- D. Stainless Steel Threaded Rods – ASTM A593, Type 316.
- E. Stainless Steel Nuts – ASTM A594, Type 316.
- F. Reinforcing Steel Dowels – ASTM A615, Grade 60 deformed bar.
- G. All threaded rods and anchor bolt accessories, including nuts, washers, etc. shall be of the same material as the rods/bolts.

PART 3 EXECUTION

3.01. INSTALLATION OF ADHESIVE ANCHOR SYSTEMS

- A. All bolted connections to concrete and masonry shall utilize an adhesive anchor system as specified above.
- B. Threaded stainless steel rods shall be used for all anchor bolt applications, unless noted otherwise in the Contract Documents.
- C. Provide templates or other means to accurately locate anchors.
- D. Drilled holes shall be cleaned out and shall be free of dust and trapped water.
- E. Masonry wall (cores) shall be filled with grout where anchors are to be installed. In existing construction where masonry cores are not (and cannot be) grout filled, manufacturer's masonry screen tube shall be used with anchor installation.
- F. Install adhesive anchors in accordance with manufacturer's recommendations.
- G. Anchor bolts installed into concrete and/or masonry shall not be closer than 6 inches o.c. unless indicated otherwise.
- H. All structural members bolted to concrete and/or masonry shall be made with a minimum of two 5/8-inch diameter anchors at each connection.
- I. Anchor bolts and dowels shall be clean and free of coatings or other contaminants that would impair bonding to the chemical adhesive.
- J. Threaded rods shall be long enough to project through the entire depth of nut and shall be approximately ½ inch beyond the top of nut.
- K. Anchor bolts and dowels shall not be installed in concrete less than seven days old, or approved by Engineer, or older if recommended by the manufacturer.
- L. Adhesive anchors shall be fully cured prior to applying load on anchor.

3.02. INSTALLATION OF CAST-IN AND EMBEDDED ANCHORS

- A. All cast-in and embedded anchors shall be hot-dip galvanized unless noted otherwise in the Contract Documents.
- B. Provide templates or other means to accurately place anchors.

- C. Anchors shall be secured in place to not allow displacement during placement of concrete or masonry grout.
- D. Concrete or masonry grout shall be thoroughly vibrated around the anchors for proper bonding of the anchors.
- E. Anchor rods shall be long enough to project through the entire depth of nut and shall be cut off at 1/2 inch beyond the top of nut.
- F. Concrete or masonry shall be at full 28-day compressive strength prior to applying load on anchor, or approved by Engineer.

3.03. INSTALLATION OF MECHANICAL ANCHORS

- A. Mechanical (expansion-type) anchors are only allowed for overhead (ceiling) applications where thru-bolting cannot be performed. Mechanical anchors are not allowed for any other use unless specifically requested (for a special application) by the Proposer and approved by Engineer in writing.
- B. Mechanical anchors shall support static tension loads not exceeding 200 lbs. per anchor.
- C. Drilled holes shall be cleaned out and free of dust.
- D. Anchors shall be fully seated prior to pretension. Pretension in accordance with manufacturer's instructions.
- E. Engineer may request any/all these mechanical anchors to be proof-loaded.

END OF SECTION

SECTION 05521

PIPE AND TUBE RAILINGS

PART 1 GENERAL

1.01. SECTION INCLUDES

- A. Steel railings.

1.02. COORDINATION

- A. Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written recommendations to ensure that shop primers and topcoats are compatible with one another.
- B. Coordinate installation of anchorages for railings. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

1.03. SUBMITTALS

- A. Product Data:
 - 1. Manufacturer's product lines of mechanically connected railings.
 - 2. Fasteners.
 - 3. Post-installed anchors.
 - 4. Handrail brackets.
 - 5. Metal finishes.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
 - 1. Show method of connecting and finishing members at intersections.
- C. Qualification Data: For delegated-design professional engineer.
- D. Welding certificates.
- E. Mill Certificates: Signed by manufacturers of stainless steel products, certifying that products furnished comply with requirements.
- F. Product Test Reports: For tests on railings performed by a qualified testing agency, in accordance with ASTM E894 and ASTM E935.

1.04. QUALITY ASSURANCE

- A. Welding Qualifications: Qualify procedures and personnel in accordance with the following:
 - 1. AWS D1.2/D1.2M, "Structural Welding Code - Aluminum."

1.05. DELIVERY, STORAGE, AND HANDLING

- A. Protect mechanical finishes on exposed surfaces of railings from damage by applying a strippable, temporary protective covering before shipping.

1.06. FIELD CONDITIONS

- A. Field Measurements: Verify actual locations of walls and other construction contiguous with railings by field measurements before fabrication.

PART 2 PRODUCTS

2.01. PERFORMANCE REQUIREMENTS

- A. Structural Performance: Railings, including attachment to building construction, shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
 - 1. Handrails and Top Rails of Guards:
 - a. Uniform load of 50 lbf/ ft. applied in any direction.
 - b. Concentrated load of 200 lbf applied in any direction.
 - c. Uniform and concentrated loads need not be assumed to act concurrently.
 - 2. Infill of Guards:
 - a. Concentrated load of 50 lbf applied horizontally on an area of 1 sq. ft.
 - b. Infill load and other loads need not be assumed to act concurrently.
- C. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.
 - 1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

2.02. METALS, GENERAL

- A. Metal Surfaces, General: Provide materials with smooth surfaces, without seam marks, roller marks, rolled trade names, stains, discolorations, or blemishes.
- B. Brackets, Flanges, and Anchors: Cast or formed metal of same type of material and finish as supported rails unless otherwise indicated.
 - 1. Provide type of bracket with predrilled hole for exposed bolt anchorage and that provides 1-1/2-inch clearance from inside face of handrail to finished wall surface.

2.03. STEEL RAILINGS

- A. Steel, General: provide grade recommended by railing producer and finisher for type of use and finish indicated, and with not less than the strength and durability properties designated below for each steel form required.

- B. Tubing: ASTM A500
- C. Pipe: ASTM A53, Type F or S, grade A, standard weight (schedule 40), unless another grade and weight are required by structural loads.
- D. Plates, shapes, and bars: ASTM A36

2.04. FASTENERS

- A. Fastener Materials:
 - 1. Hot-dipped galvanized railing components: Hot-dipped zinc-coated steel fasteners complying with ASTM A153 or ASTM F2329 for zinc coating.
- B. Fasteners for Anchoring Railings to Other Construction: Select fasteners of type, grade, and class required to produce connections suitable for anchoring railings to other types of construction and capable of withstanding design loads.

2.05. MISCELLANEOUS MATERIALS

- A. Welding Rods and Bare Electrodes: Select in accordance with AWS specifications for metal alloy welded.

2.06. FABRICATION

- A. General: Fabricate railings to comply with requirements indicated for design, dimensions, member sizes and spacing, details, finish, and anchorage, but not less than that required to support structural loads.
- B. Shop assemble railings to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations.
 - 1. Clearly mark units for reassembly and coordinated installation.
 - 2. Use connections that maintain structural value of joined pieces.
- C. Cut, drill, and punch metals cleanly and accurately.
 - 1. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated.
 - 2. Remove sharp or rough areas on exposed surfaces.
- D. Form work true to line and level with accurate angles and surfaces.
- E. Fabricate connections that are exposed to weather in a manner that excludes water.
 - 1. Provide weep holes where water may accumulate.
 - 2. Locate weep holes in inconspicuous locations.
- F. Cut, reinforce, drill, and tap as indicated to receive finish hardware, screws, and similar items.
- G. Connections: Fabricate railings with welded or nonwelded connections unless otherwise indicated.

- H. Welded Connections: Cope components at connections to provide close fit, or use fittings designed for this purpose. Weld all around at connections, including at fittings.
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove flux immediately.
 - 4. At exposed connections, finish exposed welds to comply with NOMMA's "Voluntary Joint Finish Standards" for Finish #2 welds; good appearance, completely sanded joint, some undercutting and pinholes okay
- I. Nonwelded Connections: Connect members with concealed mechanical fasteners and fittings. Fabricate members and fittings to produce flush, smooth, rigid, hairline joints.
 - 1. Fabricate splice joints for field connection, using an epoxy structural adhesive, if this is manufacturer's standard splicing method.
- J. Form changes in direction as follows:
 - 1. By bending or by inserting prefabricated elbow fittings.
- K. Bend members in jigs to produce uniform curvature for each configuration required. Maintain cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of components.
- L. Close exposed ends of hollow railing members with prefabricated cap and end fittings of same metal and finish as railings.
- M. Provide wall returns at ends of wall-mounted handrails unless otherwise indicated. Close ends of returns unless clearance between end of rail and wall is 1/4 inch or less.
- N. Brackets, Flanges, Fittings, and Anchors: Provide wall brackets, flanges, miscellaneous fittings, and anchors to interconnect railing members to other work unless otherwise indicated.
 - 1. At brackets and fittings fastened to plaster or gypsum board partitions, provide crush-resistant fillers or other means to transfer loads through wall finishes to structural supports and prevent bracket or fitting rotation and crushing of substrate.
- O. Toe Boards: Where indicated, provide toe boards at railings around openings and at edge of open-sided floors and platforms. Fabricate to dimensions and details indicated.

2.07. STEEL FINISHES

- A. Galvanized Railings:
 - 1. Hot-dip galvanize steel railings, including hardware, after fabrication.
 - 2. Comply with ASTM A123 for hot-dip galvanized railings.
 - 3. Comply with ASTM A153 for hot-dip galvanized hardware.

4. Do not quench or apply post-galvanizing treatments that might interfere with paint adhesion.
5. Fill vent and drain holes that are exposed in the finished work, unless indicated to remain as weep holes, by plugging with zinc solder and filing off smooth.
6. Provide hot-dip galvanized fittings, brackets, fasteners, sleeves, and other ferrous components.

PART 3 EXECUTION

3.01. INSTALLATION, GENERAL

- A. Perform cutting, drilling, and fitting required for installing railings.
 1. Fit exposed connections together to form tight, hairline joints.
 2. Install railings level, plumb, square, true to line; without distortion, warp, or rack.
 3. Set railings accurately in location, alignment, and elevation; measured from established lines and levels.
 4. Do not weld, cut, or abrade surfaces of railing components that are coated or finished after fabrication and that are intended for field connection by mechanical or other means without further cutting or fitting.
 5. Set posts plumb within a tolerance of 1/16 inch in 3 feet.
 6. Align rails so variations from level for horizontal members and variations from parallel with rake of steps and ramps for sloping members do not exceed 1/4 inch in 12 feet.
- B. Control of Corrosion: Prevent galvanic action and other forms of corrosion by insulating metals and other materials from direct contact with incompatible materials.
- C. Adjust railings before anchoring to ensure matching alignment at abutting joints.
- D. Fastening to In-Place Construction: Use anchorage devices and fasteners where necessary for securing railings and for properly transferring loads to in-place construction.

3.02. RAILING CONNECTIONS

- A. Nonwelded Connections: Use mechanical for permanently connecting railing components.
- B. Welded Connections: Use fully welded joints for permanently connecting railing components. Comply with requirements for welded connections in "Fabrication" Article, whether welding is performed in the shop.
- C. Expansion Joints: Install expansion joints at locations indicated but not farther apart than required to accommodate thermal movement. Provide slip-joint internal sleeve, extending 2 inches beyond joint on either side; fasten internal sleeve securely to one side; and locate joint within 6 inches of post.

3.03. ANCHORING POSTS

- A. Anchor posts to metal surfaces with flanges, angle type, or floor type, as required by conditions, connected to posts and to metal supporting members as follows:

3.04 ATTACHING RAILINGS

- A. Anchor railing ends to concrete and masonry with flanges connected to brackets on underside of rails connected to railing ends and anchored to wall construction with anchors and bolts.
- B. Anchor railing ends to metal surfaces with flanges bolted to metal surfaces and connected to railing ends, using nonwelded connections.
- C. Attach handrails to walls with wall brackets, except where end flanges are used. Provide brackets with 1-1/2-inch clearance from inside face of handrail and finished wall surface.
 - 1. Use type of bracket with predrilled hole for exposed bolt anchorage.
 - 2. Locate brackets as indicated or, if not indicated, at spacing required to support structural loads.
- D. Secure wall brackets and railing end flanges to building construction as follows:
 - 1. For concrete and solid masonry anchorage, use drilled-in expansion shields and hanger or lag bolts.

3.05. CLEANING

- A. Galvanized surfaces: clean field welds, bolted connections, and abraded areas, and repair galvanizing to comply with ASTM A780.

3.06. PROTECTION

- A. Protect finishes of railings from damage during construction period with temporary protective coverings approved by railing manufacturer. Remove protective coverings at time of Substantial Completion.
- B. Restore finishes damaged during installation and construction period, so no evidence remains of correction work. Return items that cannot be refinished in the field to the shop; make required alterations and refinish entire unit, or provide new units.

END OF SECTION

SECTION 05530

BAR GRATINGS

PART 1 GENERAL

1.01. SECTION INCLUDES

- A. Metal bar gratings and metal frames and supports for gratings.

1.02. SUBMITTALS

- A. Product Data: For the following:
 - 1. Clips and anchorage devices for gratings.
- B. Shop Drawings: Include plans, sections, details, and attachments to other work.

PART 2 PRODUCTS

2.01. MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
 - 1. All American Grating.
 - 2. Harsco Industrial IKG, a division of Harsco Corporation.
 - 3. McNichols Bar Grating.

2.02. PERFORMANCE REQUIREMENTS

- A. Structural Performance: Gratings shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
 - 1. Walkways and Elevated Platforms: Uniform load of 100 lbf/sq. ft.
 - 2. Concentrated live load of 500 lbs.
 - 3. Limit deflection to L/360 or 1/4 inch, whichever is less.

2.03. METAL BAR GRATINGS

- A. Metal Bar Grating Standards: Comply with NAAMM MBG 531 and NAAMM MBG 532, "Metal Bar Grating Manual."

B. Welded Steel Grating:

1. Grating mark W-19-4 (1-1/2x3/16) steel: 1-1/2 by 3/16 inch bearing bars at 1-3/16 inches o.c. and crossbars at 4 inches.
2. Traffic surface: Serrated.
3. Steel finish: Hot-dip galvanized with coating weight of not less than 1.8 oz./sq. ft. of coated surface.

2.04. FASTENERS

- A. General: Unless otherwise indicated, provide galvanized fasteners. Select fasteners for type, grade, and class required.

2.05. FABRICATION

- A. Shop assembly: Fabricate grating sections in shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.
- B. Welding: Comply with AWS recommendations.
- C. Edge-band openings in grating that interrupt four or more bearing bars with bars of same size and material as bearing bars.
- D. Repair of galvanized surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A780.

2.06. GRATING FRAMES AND SUPPORTS

- A. Fabricate from metal shapes, plates, and bars of welded construction to sizes, shapes, and profiles indicated and as necessary to receive gratings. Miter and weld connections for perimeter angle frames. Cut, drill, and tap units to receive hardware and similar items.
1. Unless otherwise indicated, fabricate from same basic metal as gratings.
 2. Equip units indicated to be cast into concrete or built into masonry with integrally welded anchors. Unless otherwise indicated, space anchors 24 inches o.c. and provide minimum anchor units in the form of steel straps 1-1/4 inches wide by 1/4 inch thick by 8 inches long.

PART 3 EXECUTION

3.01. INSTALLATION, GENERAL

- A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing gratings. Set units accurately in location, alignment, and elevation; measured from established lines and levels and free of rack.
- B. Fit exposed connections accurately together to form hairline joints.
1. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Do not weld, cut, or abrade the surfaces of

exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.

- C. Attach toe plates to gratings by welding at locations indicated.

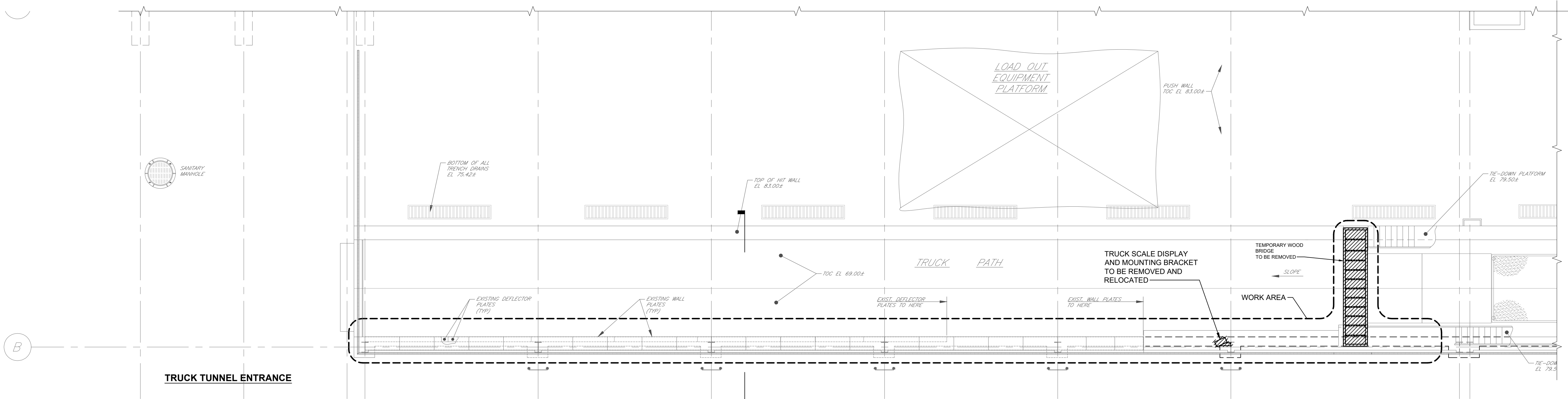
3.02. INSTALLING METAL BAR GRATINGS

- A. General: Install gratings to comply with recommendations of referenced metal bar grating standards that apply to grating types and bar sizes indicated, including installation clearances and standard anchoring details.
- B. Attach removable units to supporting members with type and size of clips and fasteners indicated or, if not indicated, as recommended by grating manufacturer for type of installation conditions shown.
- C. Attach non-removable units to supporting members by welding where both materials are same; otherwise, fasten by bolting as indicated above.

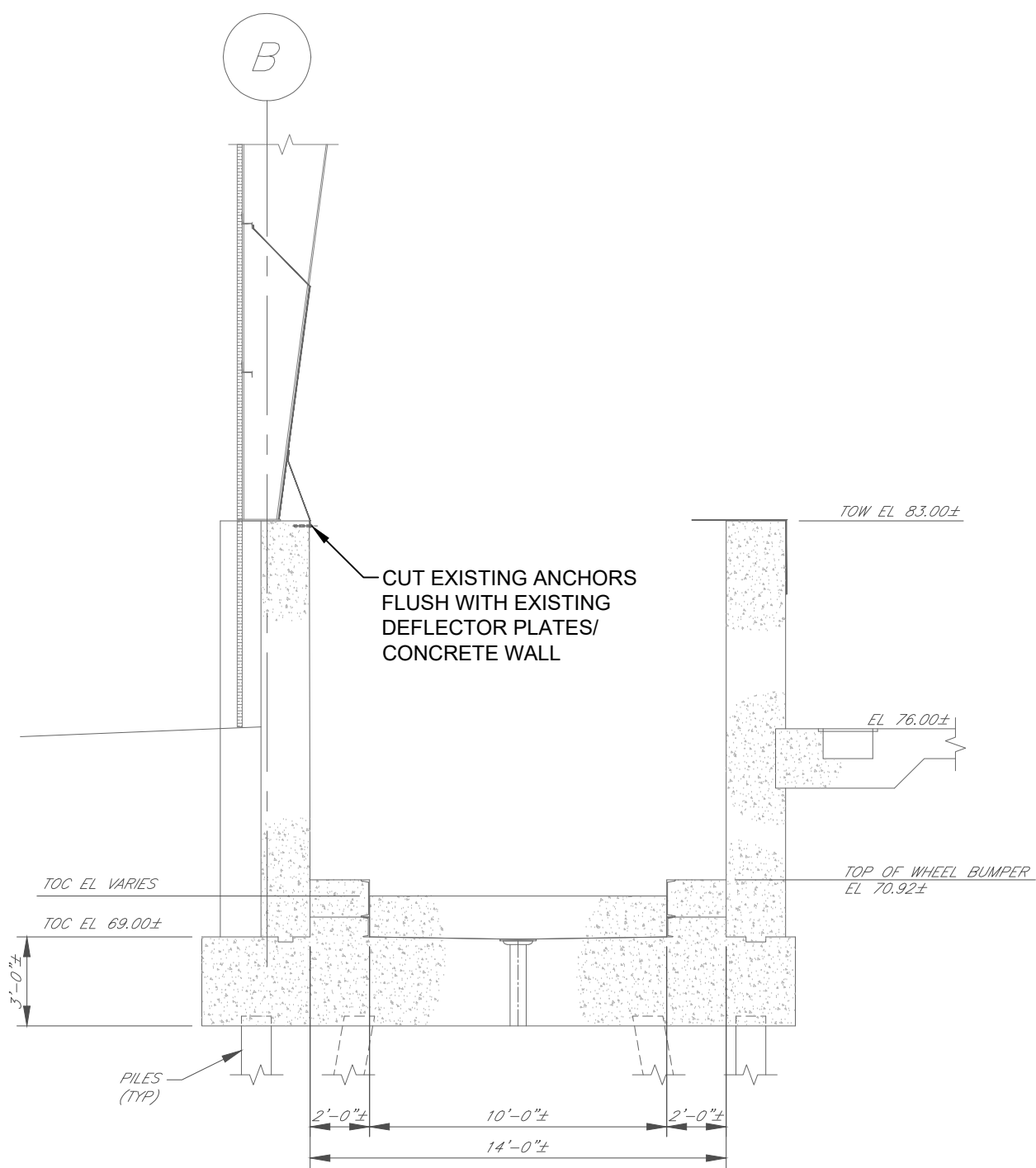
END OF SECTION

APPENDIX E

DRAWINGS



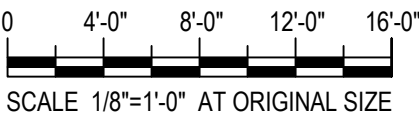
PARTIAL PLAN
SCALE: 1/8" = 1'-0"



SECTION
Scale: 3/16" = 1'-0"

LEGEND:
 MECHANICAL ITEMS AND PIPING TO BE REMOVED

- NOTES:
- THIS DRAWING HAS BEEN PREPARED TO PROVIDE THE CONTRACTOR WITH A GENERAL SCOPE OF DEMOLITION WORK TO BE REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL ITEMS THAT MAY EFFECT DEMOLITION COSTS INCLUDING BUT NOT LIMITED TO EXACT EQUIPMENT AND PIPING LOCATIONS, ACTUAL EQUIPMENT AND PIPING SIZES, AND ALL INCIDENTAL EQUIPMENT OR PIPING NOT SHOWN BUT PART OF THE EQUIPMENT INDICATED TO BE REMOVED OR EFFECT REMOVAL PROCESS.
 - ALL ITEMS SHOWN TO BE DEMOLISHED, DISCONNECT AND / OR CAP PIPES, DRAINS, UTILITIES ETC. AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH OWNER AS TO MATERIALS / ITEMS TO BE REMOVED, OR MATERIALS / ITEMS TO BE RETURNED TO OWNER.
 - THERE ARE OTHER ITEMS TO BE DEMOLISHED WHICH ARE NOT SHOWN FOR CLARITY. HOWEVER, CONTRACTOR SHALL DEMOLISH ALL ITEMS TO ACCOMMODATE NEW WORK.
 - ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS.



CLIENT / SUBCONSULTANT:



Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

PROJECT TITLE:	RFP-2025-08 NEW FABRICATED STEEL PEDESTRIAN BRIDGE & DEFLECTOR PLATE IMPROVEMENTS		
PROJECT LOCATION:	CLARKSTOWN TRANSFER STATION		
CLIENT:	ROCKLAND GREEN		
DRAWING TITLE:	PARTIAL PLAN AND SECTION DEMOLITION		

DRAWINGS ISSUED FOR / REVISIONS				EDR JOB#: 20098		
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE
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2						SCALE: AS NOTED
3						DRAWN BY: KAD
4						CHECKED BY: MSD
5						DRAWING NUMBER:
6						

D-101

Date Printed: 12/2/2025 12:31:13 PM

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ORIGINAL DRAWING SIZE: A350 (24" X 36")

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The following is paraphrased from the New York Education Law, Article 145, Section 7209, and Chapter II, Section 79-1.4, and applies to this drawing: "It is a violation of this law for any person unless he is acting under the direction of a licensed professional engineer, licensed landscape architect or licensed land surveyor to alter an item in any way, if an item bearing the seal of an engineer, landscape architect or land surveyor is altered, the altering engineer, landscape architect or land surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration and a specific description of the alteration".



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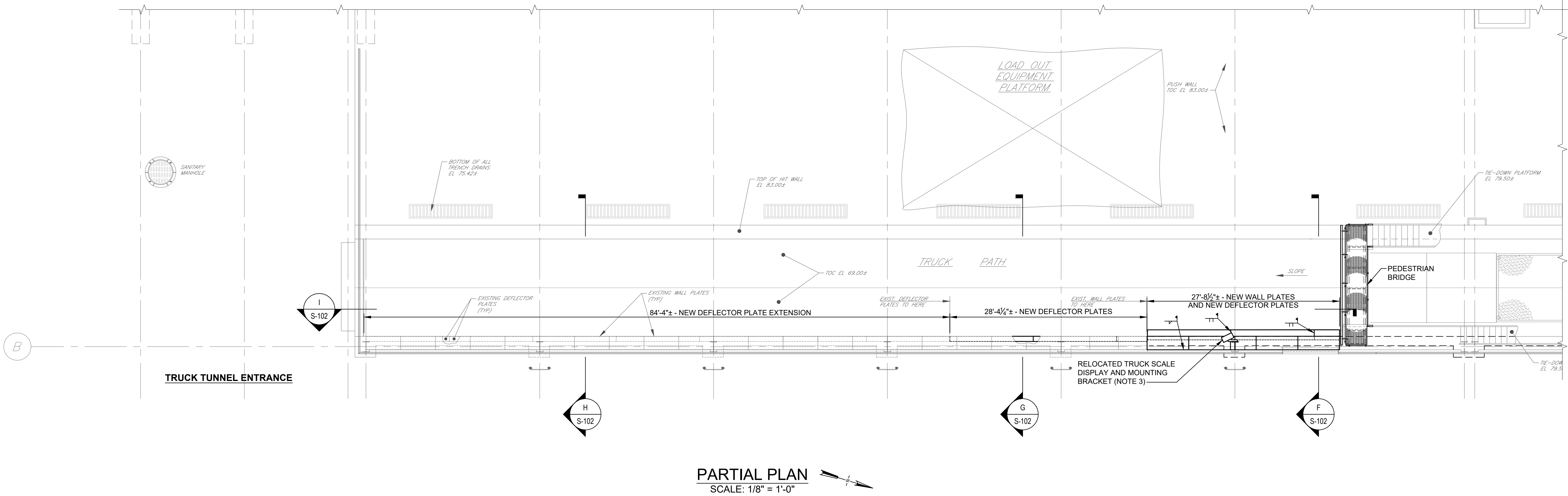
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PROJECT LOCATION: **CLARKSTOWN TRANSFER STATION**

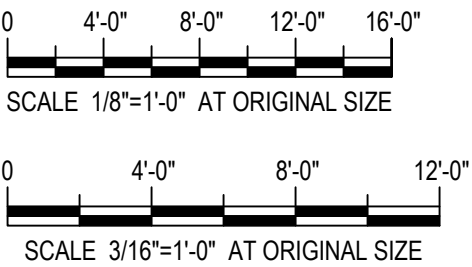
CLIENT: **ROCKLAND GREEN**

DRAWING TITLE: **PARTIAL PLAN**

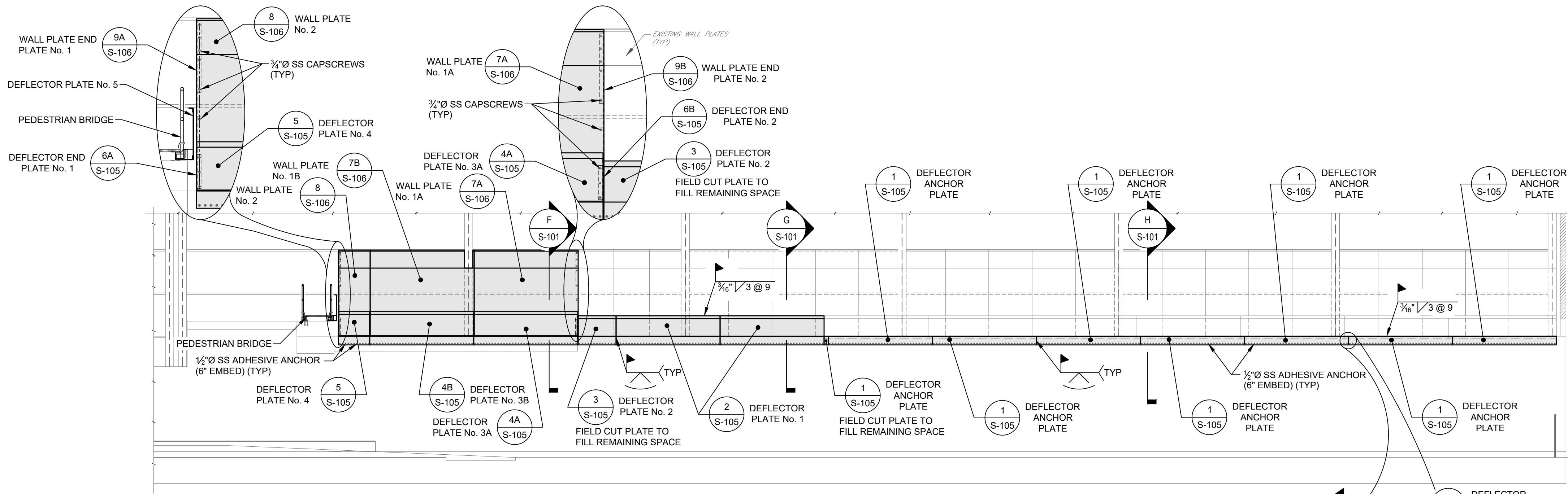
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3						CHECKED BY:	MSD
4						DRAWING NUMBER:	S-101
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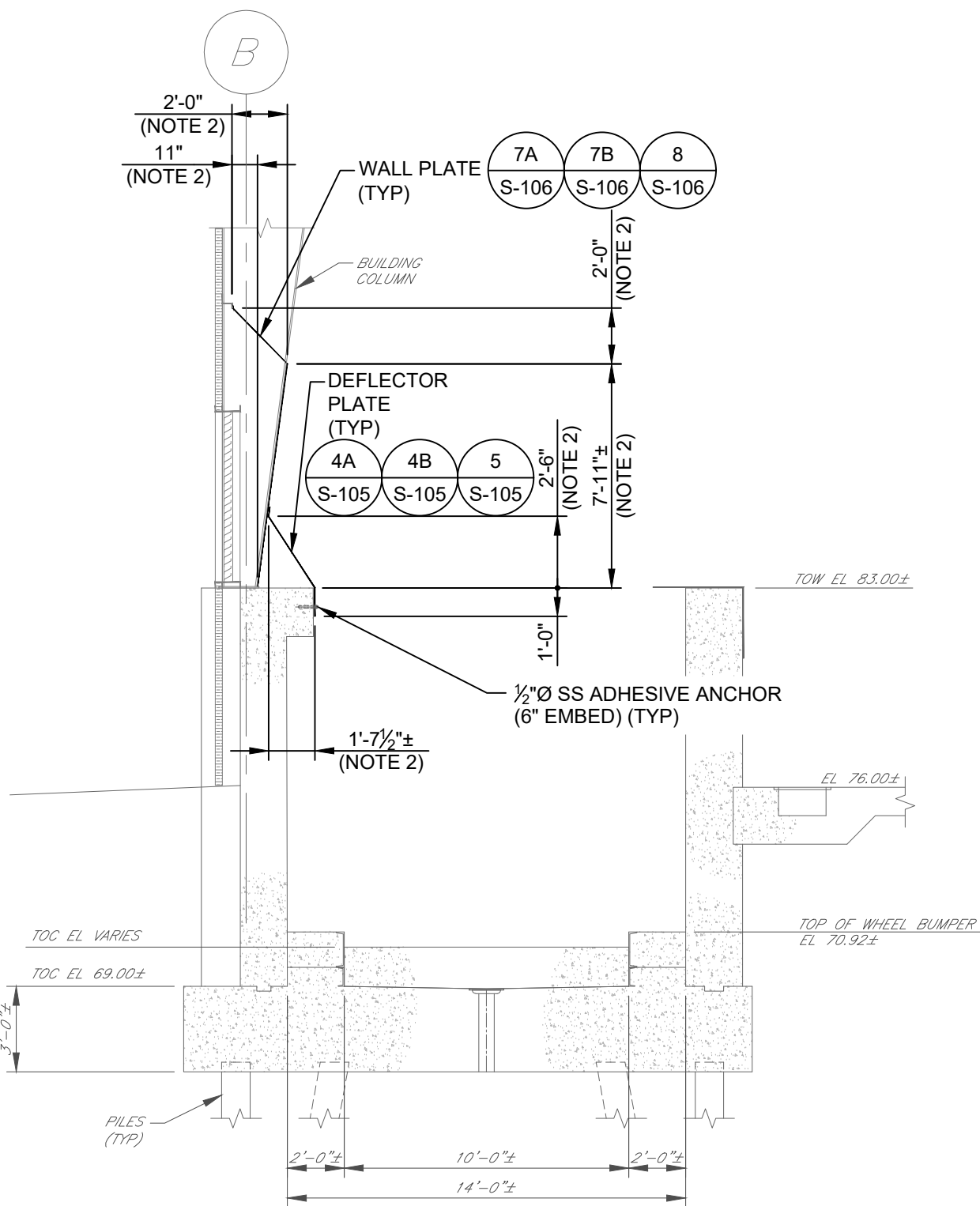
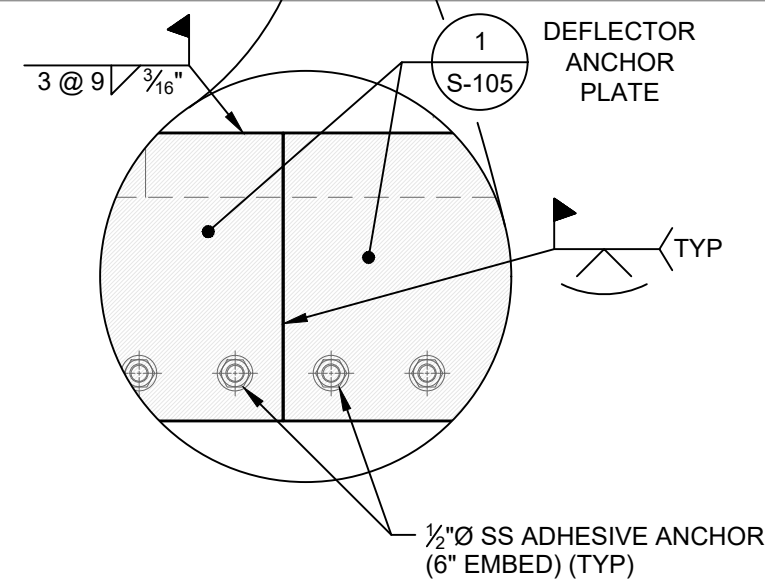
- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.
 - CONTRACTOR SHALL MATCH DIMENSIONS, GEOMETRY, MOUNTING, PLATE THICKNESS, ETC. TO EXISTING WALL PLATES AND DEFLECTOR PLATES, UNLESS OTHERWISE NOTED.
 - COORDINATE FINAL LOCATION WITH OWNER.
 - REFER TO DRAWING S-104 AND S-105 FOR DEFLECTOR PLATES AND WALL PLATES DETAILS.



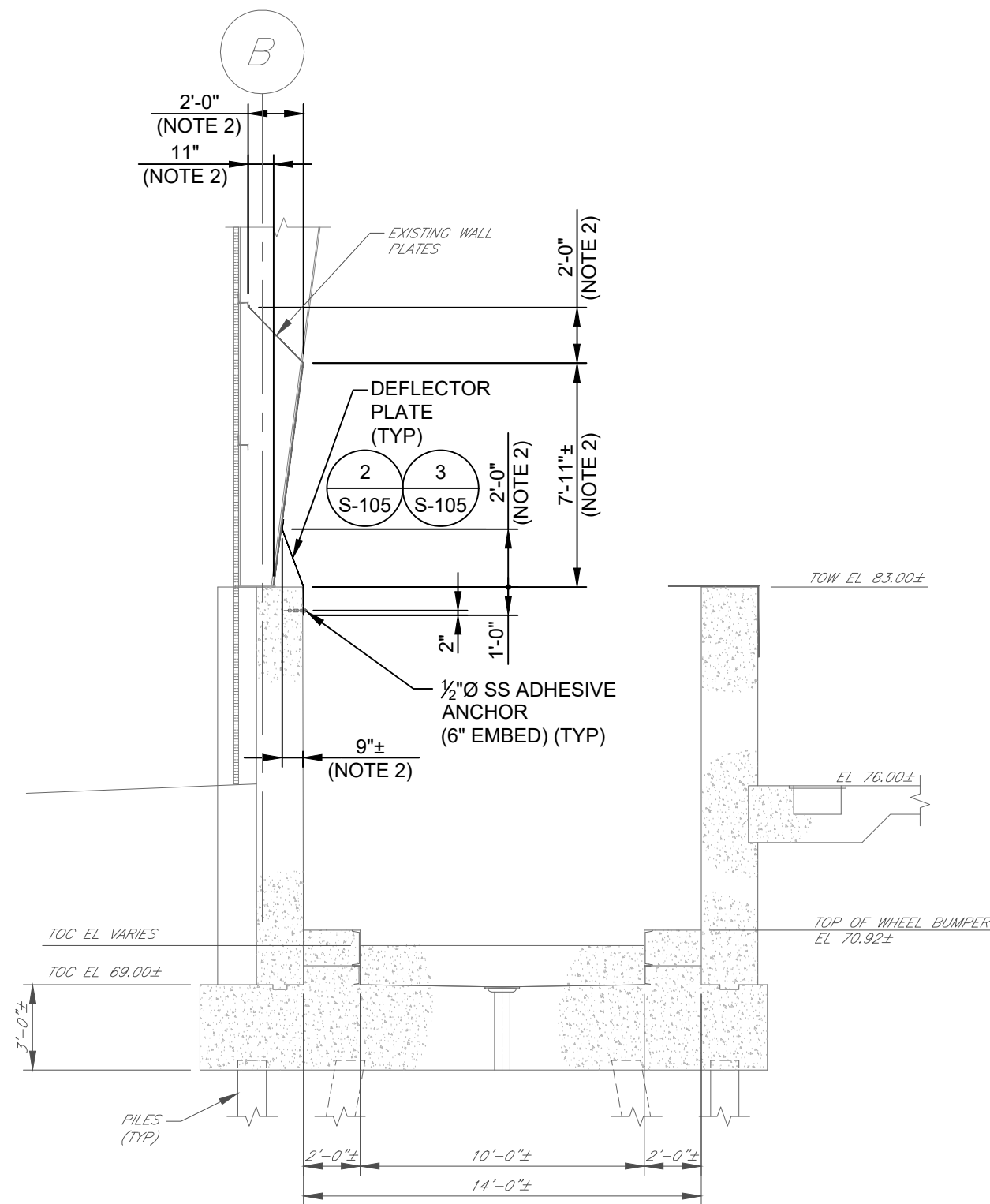
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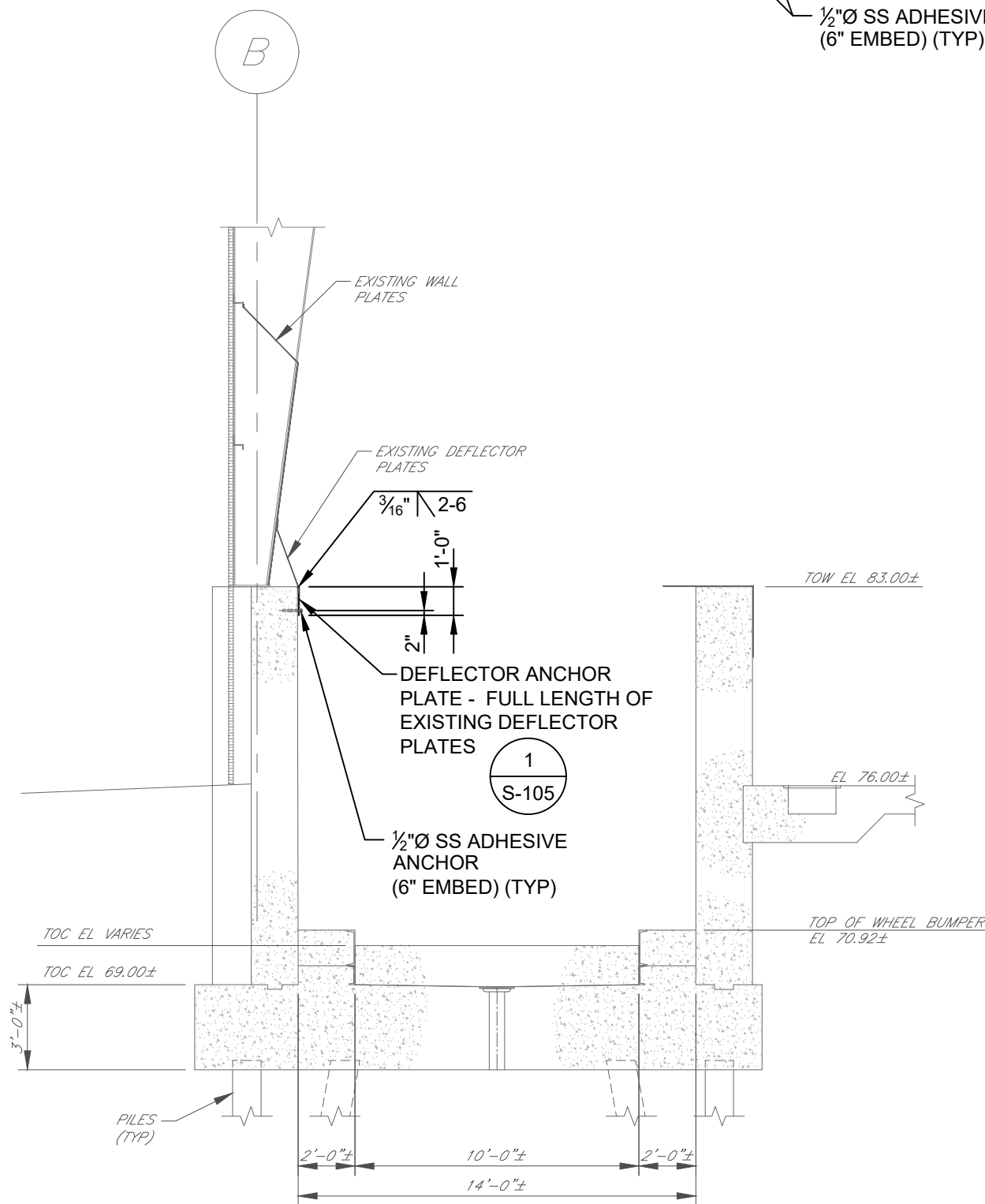
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S-101 Scale: 1/8" = 1'-0"



F
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S-101 Scale: 3/16" = 1'-0"

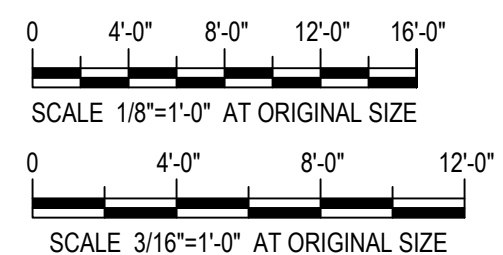


G
SECTION
S-101 Scale: 3/16" = 1'-0"



H
SECTION
S-101 Scale: 3/16" = 1'-0"

- NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.
 2. CONTRACTOR SHALL MATCH DIMENSIONS, GEOMETRY, MOUNTING, PLATE THICKNESS, ETC. TO EXISTING WALL PLATES AND DEFLECTOR PLATES, UNLESS OTHERWISE NOTED.
 3. REFER TO DRAWING S-103 AND S-104 FOR PEDESTRIAN BRIDGE DETAILS.
 4. REFER TO DRAWING S-105 AND S-106 FOR DEFLECTOR PLATE AND WALL PLATE DETAILS.



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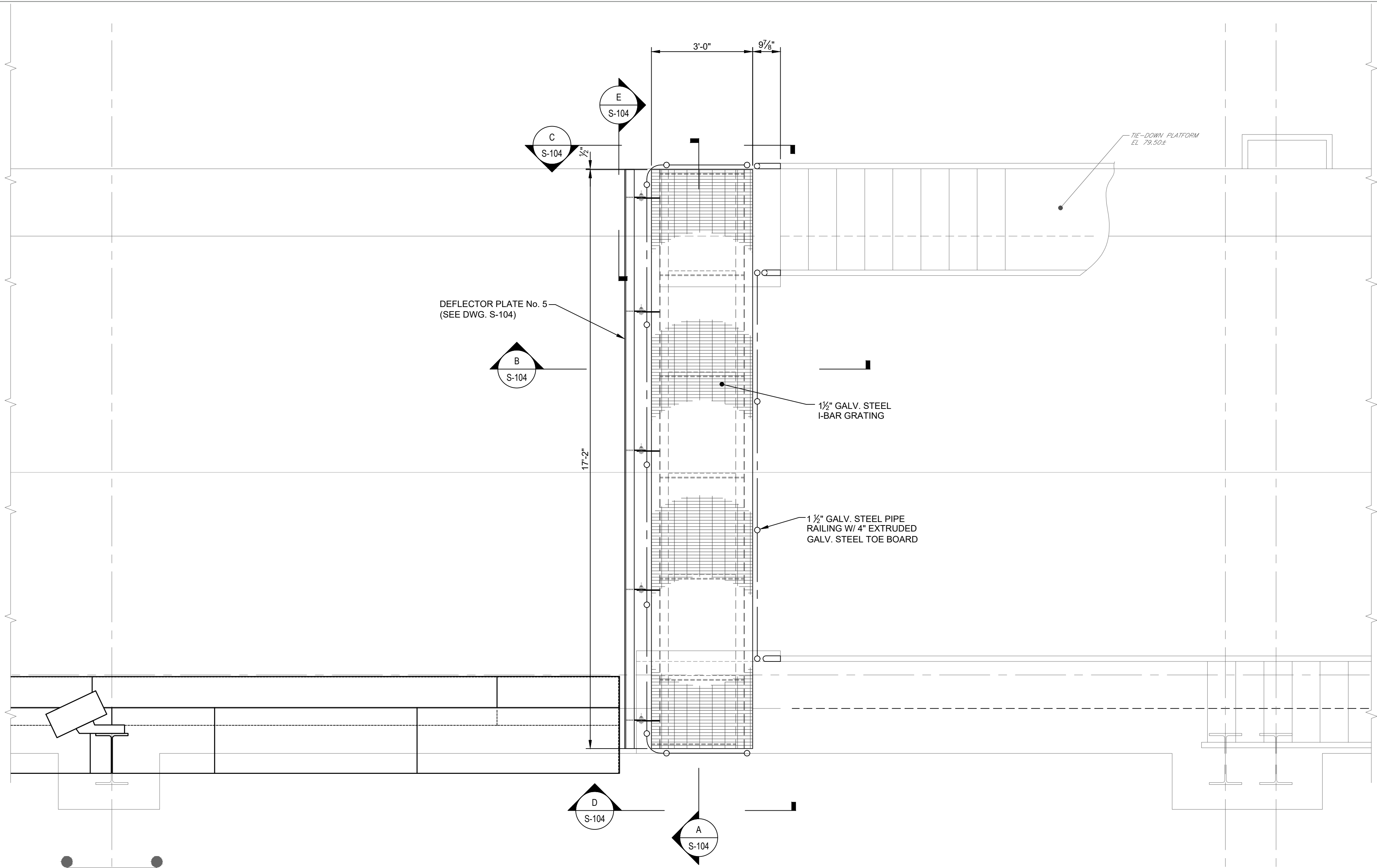
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& Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

PROJECT TITLE: **RFP-2025-08 NEW FABRICATED STEEL PEDESTRIAN
BRIDGE & DEFLECTOR PLATE IMPROVEMENTS**
PROJECT LOCATION: **CLARKSTOWN TRANSFER STATION**
CLIENT: **ROCKLAND GREEN**
DRAWING TITLE: **SECTIONS**

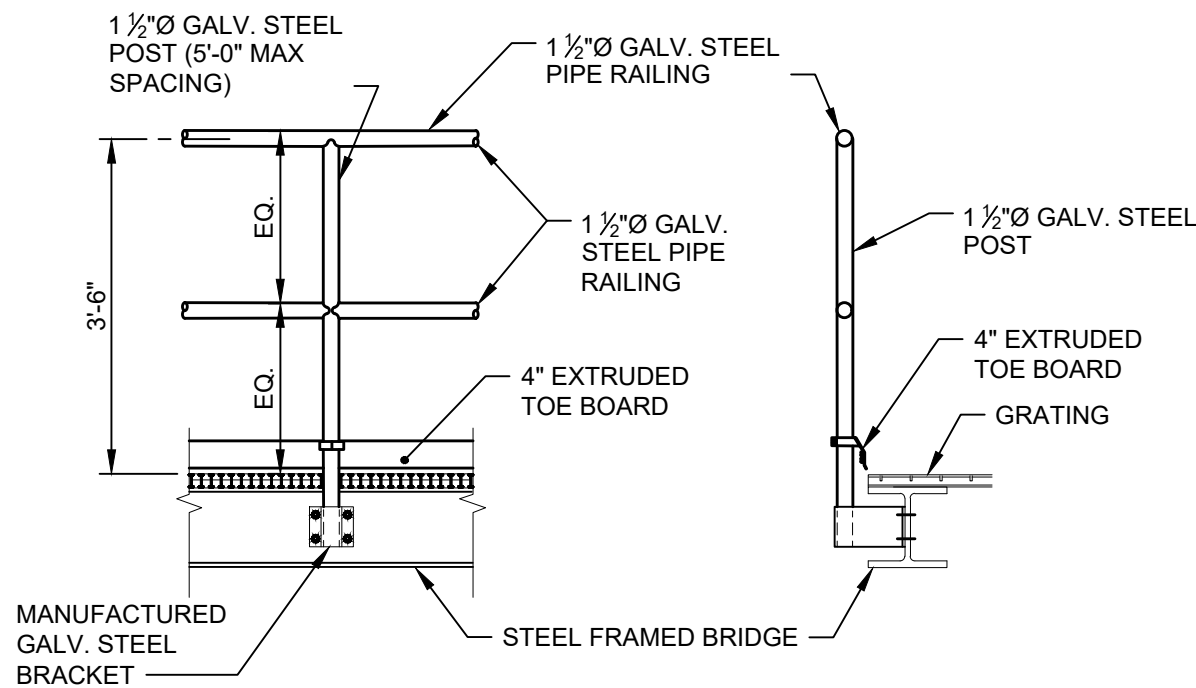
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3						CHECKED BY: MSD
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S-102

ORIGINAL: DRAWING SIZE: A350 (12" X 34")
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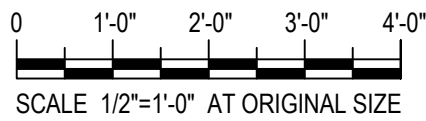
PARTIAL PLAN
SCALE: 1/2" = 1'-0"



ELEVATION SECTION

GALVANIZED STEEL RAILING:
SIDE MOUNTED TO STEEL
NO SCALE

- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.
 - SHIM AT CORNERS OF BRIDGE AS REQUIRED TO LEVEL BRIDGE.



SCALE 1/2"=1'-0" AT ORIGINAL SIZE



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BRIDGE & DEFLECTOR PLATE IMPROVEMENTS**

PROJECT LOCATION: **CLARKSTOWN TRANSFER STATION**

CLIENT: **ROCKLAND GREEN**

DRAWING TITLE: **PARTIAL PLAN AND DETAILS**

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DATE: **12/2025**

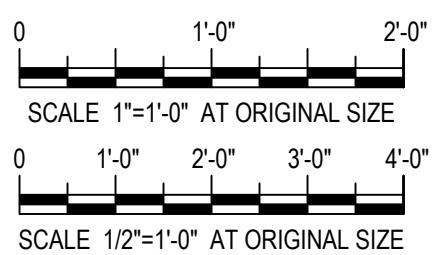
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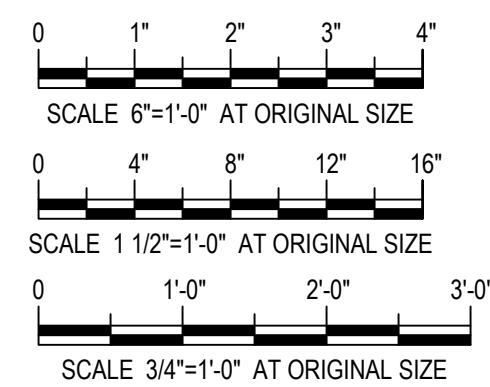
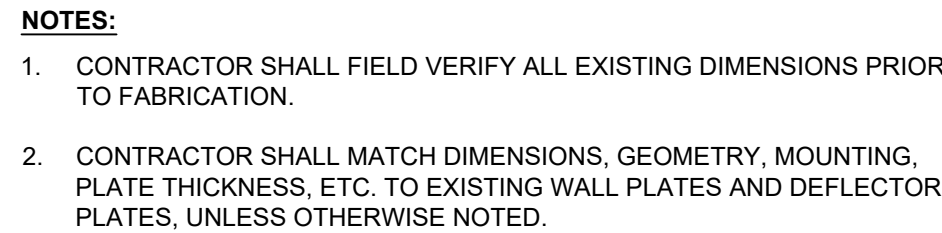
DRAWING NUMBER:

S-103



1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.
2. SHIM AT CORNERS OF BRIDGE AS REQUIRED TO LEVEL BRIDGE.

DRAWINGS ISSUED FOR / REVISIONS						EDR JOB# 20998
NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP	DATE 12/2025
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3						CHECKED BY: MSD
4						DRAWING NUMBER:
5						S-104
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NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.
2. CONTRACTOR SHALL MATCH DIMENSIONS, GEOMETRY, MOUNTING, PLATE THICKNESS, ETC. TO EXISTING WALL PLATES AND DEFLECTOR PLATES, UNLESS OTHERWISE NOTED.



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P. 315.471.0688

PROJECT TITLE: **RFP-2025-08 NEW FABRICATED STEEL PEDESTRIAN
BRIDGE & DEFLECTOR PLATE IMPROVEMENTS**

PROJECT LOCATION: **CLARKSTOWN TRANSFER STATION**

CLIENT: **ROCKLAND GREEN**

DRAWING TITLE: **DEFLECTOR PLATE DETAILS**

DRAWINGS ISSUED FOR / REVISIONS

NO.	DATE	ISSUED FOR / REVISION	BY	CHK	APP
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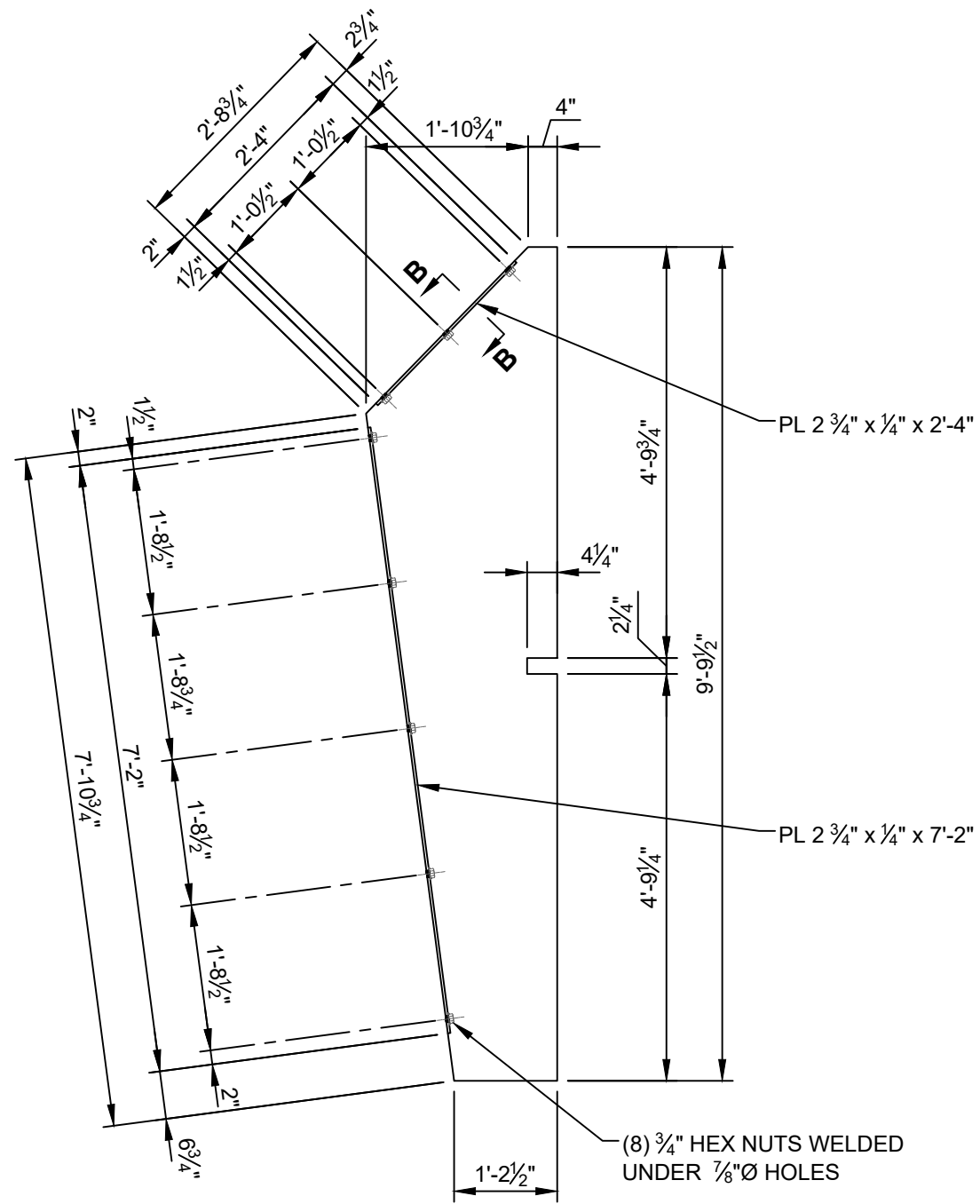
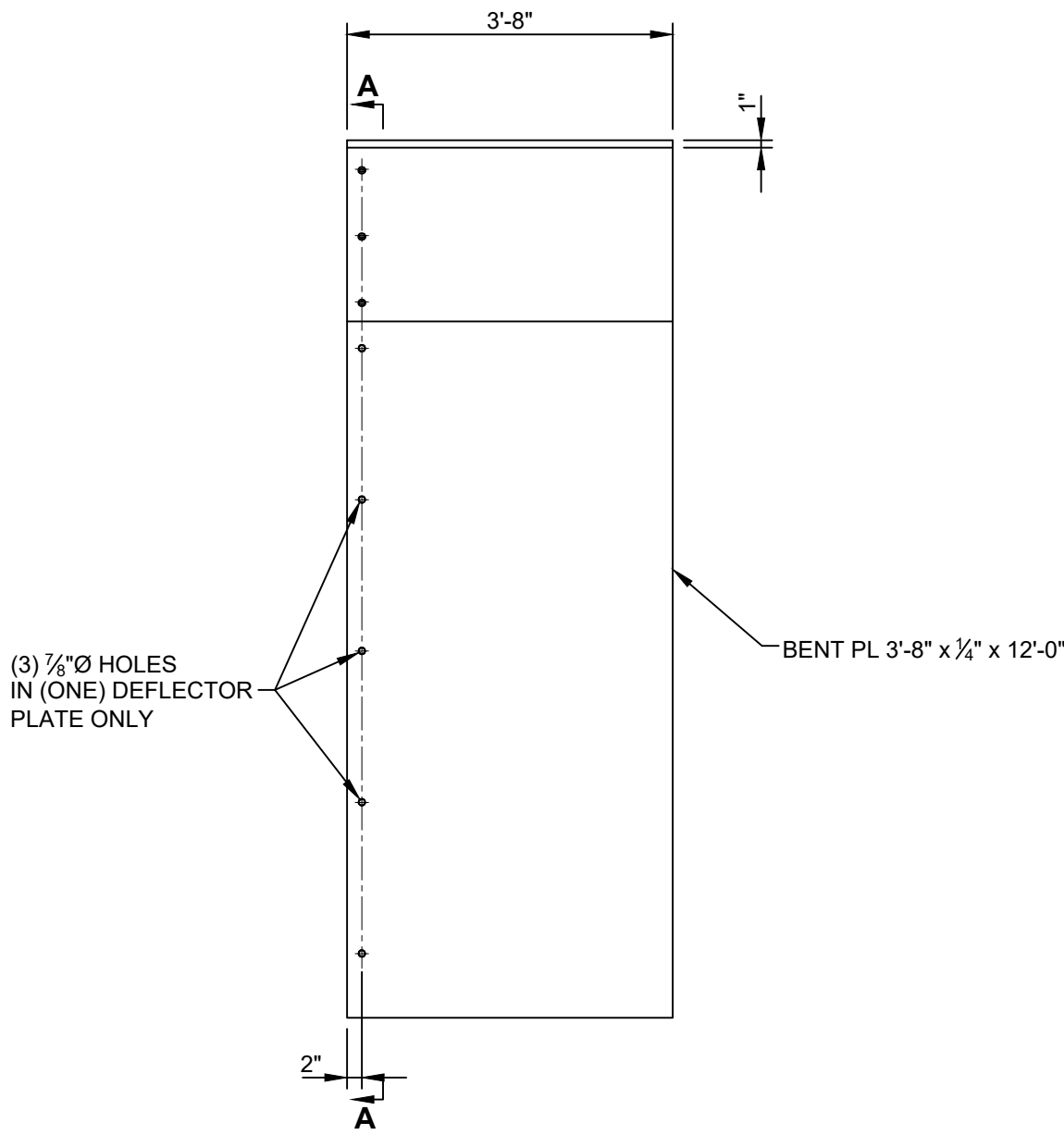
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CHECKED BY: MSD
RECEIVED DATE:

S-105



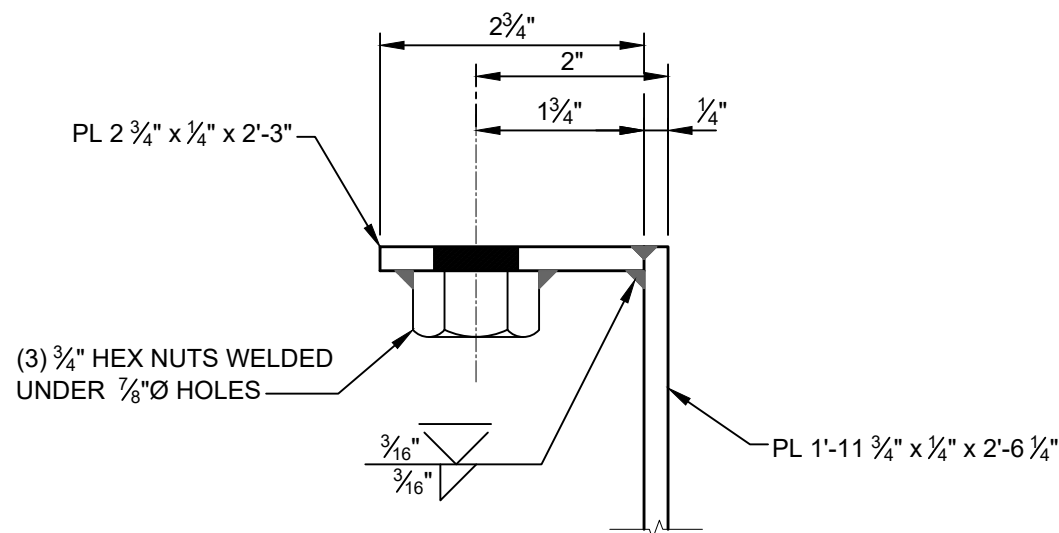
8 WALL PLATE No. 2 DETAIL
- Scale: 1/2" = 1'-0"

(ONE) REQUIRED

9A WALL PLATE END PLATE No. 1 DETAIL
- Scale: 12" = 1'-0"

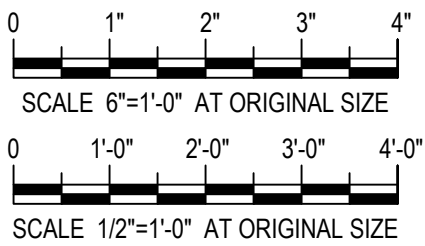
WALL PLATE END PLATE No. 2 DETAIL

(ONE) REQUIRED OPP. HAND



SECTION B-B
SCALE: 6" = 1'-0"

- NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS PRIOR TO FABRICATION.
 2. CONTRACTOR SHALL MATCH DIMENSIONS, GEOMETRY, MOUNTING, PLATE THICKNESS, ETC. TO EXISTING WALL PLATES AND DEFLECTOR PLATES, UNLESS OTHERWISE NOTED.



CLIENT / SUBCONSULTANT:

EDR
a better environment

**Environmental
Design & Research,**
Landscape Architecture, Engineering
& Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

PROJECT TITLE: **RFP-2025-08 NEW FABRICATED STEEL PEDESTRIAN
BRIDGE & DEFLECTOR PLATE IMPROVEMENTS**

PROJECT LOCATION: **CLARKSTOWN TRANSFER STATION**

CLIENT: **ROCKLAND GREEN**

DRAWING TITLE: **WALL PLATE DETAILS**

DRAWINGS ISSUED FOR / REVISIONS

NO.	DATE	ISSUED FOR / REVISION
1	12/03/25	ISSUED FOR CONSTRUCTION

2		
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3		
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4		
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5		
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EDR JOB#: 20098

DATE: 12/2025

SCALE: **AS NOTED**

DRAWN BY: **KAD**

CHECKED BY: **MSD**

DRAWING NUMBER:

S-106

APPENDIX F

DRAFT CONTRACT

NEW FABRICATED STEEL PEDESTRIAN BRIDGE
& DEFLECTOR PLATE IMPROVEMENTS,
CLARKSTOWN TRANSFER STATION

(RFP 2025-08)

between

ROCKLAND GREEN

and

THIS AGREEMENT made the ___ day, of _____ 2025, by and between Rockland Green, a municipal corporation of the State of New York, having its principal office at 172 Main Street, Nanuet, New York 10954, and _____ with a mailing address at _____ hereinafter referred to as "Contractor," in the following manner;

WITNESSETH:

WHEREAS, Rockland Green wishes to enter into an agreement with the Contractor for a New Fabricated Steel Pedestrian Bridge & Deflector Plate improvements at the Clarkstown Transfer Station, as defined in the proposal RFP 2025-08 as attached hereto, as requested by the Rockland Green, and

NOW THEREFORE, the parties hereto, in consideration of the covenants, agreements, terms and conditions herein contained, do agree as follows:

1. SERVICES: The Contractor shall render and perform services for and to Rockland Green in accordance with specifications and conditions as proposed in RFP 2025-08. The Contractor represents and warrants to Rockland Green that it, and its employees, agents and servants possess all the licenses, skills, experience, expertise, and independence to render these services to Rockland Green. The proposal provided by the Contractor in response to RFP 2025-08, is incorporated as additional terms and conditions to this contract.

2. TERM: This Agreement shall become effective on the date that both parties sign the

Agreement and shall remain in full force and effect until final acceptance by Rockland Green of Contractor's work. Contractor shall perform the services under this Agreement the Contractor's proposal, as annexed hereto and made a part of this Agreement.

3. PAYMENT: Rockland Green agrees to pay Contractor and Contractor agrees to accept a maximum sum not to exceed _____ (\$000,.00), in accordance with the terms and at the times specified in herein. Payment will not be issued without Certified Payroll.

4. PREVAILING WAGE: The Contractor acknowledges that all work performed pursuant to this contract requires the payment of prevailing wages to the Contractor's employees. Rockland Green has been issued PRC# and requires the Contractor must submit certified payrolls on weekly basis.

5. INDEPENDENT CONTRACTOR: The Contractor, as an independent contractor, covenants and agrees that it, its employees, servants and/or agents, will neither hold itself or themselves out as, nor claim to be an employee, servant or agent of Rockland Green, and that it, its employees, servants and/or agents will not make claim, demand or application to or for any right or privilege applicable to an officer or employee of Rockland Green including, but not limited to, Worker's Compensation coverage, Unemployment Insurance benefits, Social Security coverage or retirement membership or credit.

6. SUBCONTRACTORS: All subcontractors are subject to the same terms and conditions for services required under this Agreement and any amendment thereto.

7. QUALITY ASSURANCE: For products and/or workmanship specified by association, trade, Federal Standards, comply with requirements of the standard, except when more ridged requirements are specified or are required by applicable codes.

8. WARRANTY: The Contractor shall guarantee/warranty both the workmanship and all products installed. Contractor warrants to Rockland Green that all construction, installation, and related services provided hereunder shall be performed in a good and

workmanlike manner, by workers who are appropriately trained and experienced in the work being performed, and in accordance with all requirements of the contract documents.

9. INSURANCE REQUIREMENTS: The Contractor or subcontractor shall, at its own cost and expense, procure and maintain insurance to cover its work, services, employees, servants and/or agents under the terms of this Agreement as specified in Contractor's Proposal. When the Contractor signs and returns this Agreement, Contractor shall provide Rockland Green with a policy endorsement showing the required insurance as detailed in RFP 2025-08. It is expressly agreed that Rockland Green shall be named as an additional insured on any general liability insurance policies and policy endorsements, and the policies and policy endorsements shall provide that the insurance shall not be cancelled or terminated without thirty (30) days prior written notice to Rockland Green. Unless and until Contractor obtains such insurance and provides a policy endorsement to Rockland Green, this Agreement shall not be effective, and no monies shall be paid or given to Contractor. The Contractor shall also ensure that each of its subcontractors provides Rockland Green with the same insurance as specified in this Section.

10. INJURY. PROPERTY DAMAGE: The Contractor shall be responsible for all damages and/or injury to life and property due to, or resulting from, the activities or omissions of Contractor, its employees, agents, subcontractors and/or employees in connection with its work, activities or services under this Agreement. The Contractor represents and warrants that its employees, servants, and or employees possess the skills, experience, expertise and independence necessary for the work and/or services to be performed in connection with this Agreement.

11. INDEMNIFY AND HOLD HARMLESS: The Contractor agrees to defend, indemnify and hold harmless Rockland Green and its respective officers, employees and agents from and against all claims, actions and suits and will defend Rockland Green and its respective officers, employees and agents, at its own cost and at no cost to Rockland Green, in any suit, action or claim, including appeals, for personal injury to, or death of, any person, or loss or damage to property arising out of, or resulting from, the Contractor's

failure, or the failure of any of its subcontractors, to perform services as required under this Agreement. These indemnification provisions are for the protection of Rockland Green and its respective officers, employees and agents only and shall not establish, of themselves, any liability to third parties. The provisions of this section shall survive the termination of this Agreement.

12. FINANCIAL RECORDS/AUDIT: The Contractor shall maintain records of all its financial transactions, including all expenses and disbursements, which relate to this Agreement. Such records shall be kept in accordance with GAAP (Generally Accepted Accounting Practices) and/or Rockland Green record-keeping requirements, and each transaction shall be documented. Such records shall be made available to Rockland Green for inspection or audit upon request. No compensation or fee for services will be due Contractor unless or until financial statements have been filed with Rockland Green.

13. FUNDING/RESERVATION OF RIGHTS: Rockland Green monies provided to Contractor pursuant to this Agreement, may be based upon and/or subject to funding statements, or actual funds provided to Rockland Green, from New York State or the Federal Government, either directly or by reimbursement; in such case Rockland Green retains the right and discretion to adjust payments of Rockland Green funds to Contractor, based on the actual amounts Rockland Green receives or is to receive from New York State or Federal Government.

14. NO ASSIGNMENT: The Contractor shall not assign, sublet or transfer or otherwise dispose of its interest in this Agreement without the prior written consent of Rockland Green.

15. LAWS OF THE STATE OF NEW YORK: This Agreement shall be governed by the Laws of the State of New York and the venue of any litigation shall be Rockland County.

16. LABOR LAW AND EXECUTIVE LAW: The Contractor shall comply with all of the provisions of the Labor Law of the State of New York including, but not limited to, prevailing wage provisions, if required by law, and with Article 15 of the Executive Law of

the State of New York relating to unlawful discriminatory practices insofar as the provisions are applicable to the work and/or services to be performed under this Agreement.

17. LOCAL LAWS AND RESOLUTIONS: The Contractor shall comply with all local laws and resolutions of Rockland Green, including but not limited to, filing of Disclosure Statements and Affirmative Action Plans, if required by law or resolution.

18. APPROVAL OF FEDERAL, STATE AND LOCAL AGENCY: Notwithstanding any other provisions of this Agreement, Rockland Green shall not be liable for any payment or compensation to Contractor until the services rendered by Contractor under this Agreement meet the approval and standards of any other Federal, State or local agency, Rockland Green, commission or body, which has jurisdiction over the services to be rendered under this Agreement which provides funding in whole or in part for the services provided under this Agreement.

19. COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT OF 1990: The **CONTRACTOR** agrees to comply with the provisions of the Americans with Disabilities Act of 1990 (ADA) prohibiting discrimination on the basis of disability with regard to employment policies and procedures, structural and program accessibility, transportation and telecommunications.

20. NO DISCRIMINATION: Contractor shall not discriminate nor permit discrimination by any of its officers, agents and/or representatives against any person because of age, race, color, religion, gender, national origin, sexual orientation, or, with respect to otherwise qualified individuals, handicap. Contractor agrees to take all actions reasonably necessary to ensure that quality applicants are employed, and that employees are treated consistently and fairly during employment, without regard to their age, race, color, gender, religion, sexual orientation, national origin or, with respect to otherwise qualified individuals, handicap. The contractor shall impose the non-discriminatory provisions of this Section by contract on all subcontractors hired to perform services related to the project and shall take all reasonable actions necessary to enforce such provisions.

21. ENTIRE AGREEMENT/SEVERABILITY: This Agreement constitutes the entire Agreement between the parties and supersedes all prior negotiations, representations or agreements either oral or written. If any clause, provision or section of this Agreement shall be deemed to be invalid by any court of competent jurisdiction or administrative agency, such action shall not affect any of the remaining provisions hereof, and this Agreement shall be construed and enforced as if such invalid portion did not exist.

22. MODIFICATION: This Agreement may not be modified except by mutual consent in writing signed by the parties.

23. WAIVER: No waiver by Rockland Green or the Contractor of any of the terms or conditions of this Agreement or any of their respective rights under this Agreement shall be effective unless such waiver is in writing and signed by the party charged with the waiver.

24. COUNTERPARTS: This Agreement may be executed in counterparts.

(The remainder of this page is left intentionally blank)

25. NOTICE: Any notice or communication required or permitted hereunder shall be in writing and sufficiently given if delivered in person or sent by certified or registered mail, postage prepaid, as follows:

If to Rockland Green:

Ronnie Ludwig, Asst. Operations Manager

Rockland Green

172 Main Street

Nanuet, New York 10954

(845)753-2200 - (845)753-2281 FAX

rludwig@rocklandgreen.com

If to Contractor:

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized officers or representatives as of the day and year executed by each.

Date: _____

By:

Date: _____

By: Gerard M. Damiani Jr.,
Executive Director, Rockland Green