

2021-11-19

**REQUEST FOR QUOTATION
GIRAFFE HOLDING IMPROVEMENTS
RFQ 44 (2021-11)**

The Toronto Zoo invites you to submit a quotation to provide labour, tools, materials and equipment to complete the pen improvements in our Giraffe House – Holding Area at the African Savanna - Toronto Zoo. All work is to be completed in accordance with the drawings and specifications in the Request for Quotation (RFQ).

The work shall commence as soon as possible once the project is awarded, a Purchase Order has been issued, and required start-up documentation has been received by the Toronto Zoo. All work is to be completed by **Friday, 2021-02-14**.

The Quotation package includes Instructions, Terms & Conditions, Requirements, Drawings, and Forms. Quoted prices shall remain in effect for a period of ninety (90) days from the Quotation due date.

Site Meeting: By appointment only on 2021-11-19, at 9:00 a.m. local standard time. Additional meeting times may be added based on interest. The site meeting will be limited to one (1) representative per bidder. Bidders are required to pre-register by email, no later than 2021-11-18 at 12:00 p.m. local standard time.

Email:
pvasilopoulos@torontozoo.ca;
jjaikaran@torontozoo.ca;
bknoop@torontozoo.ca

Due Date: Your quotation must be completed, and received by the Supervisor, Purchasing & Supply, by:

Friday, 2021-12-03, 1200 hours (noon, local time)

Submission – Temporary process - In view of the current situation with COVID 19 and to limit personal interaction, on an temporary basis submissions for this Request for Proposal can be submitted electronically by email in a PDF file, prior to the submission deadline to the following email address

purchasing@torontozoo.ca

and note the following:

- a. Subject of the file to be: RFQ# - Title of RFQ – Vendor name.
- b. Amendments to a Proposal may be submitted via the same methods, at any time prior to the Closing Time.
- c. It is the Supplier's sole responsibility to ensure its Bid is received by the Submission Deadline in accordance with the requirements of this RFP. The receipt

of Bids can be delayed due to a number of factors including “internet traffic”, file transfer size and transmission speed. The Supplier should allow sufficient time to download, complete and upload, as applicable, the submission forms comprising its Bid and any attachments.

A Bid will only be considered to be submitted once it has been received by the Toronto Zoo. The time of such receipt is reflected by the time received stamped by the Toronto Zoo’s email application

The Board of Management of the Toronto Zoo reserves the right to reject any or all quotes or to accept any quote, should it deem such an action to be in its interests.

If you have any queries regarding this request for quote, please contact Peter Vasilopoulos, Supervisor of Purchasing & Supply, (416) 392-5916. If you have any technical queries regarding this request for quote, please contact Joshua Jaikaran, Supervisor – Projects & Exhibit Design, jjaikaran@torontozoo.ca.

Yours truly,

Alia Lee
Director, Finance & Technology

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1.0 INSTRUCTIONS

- 1.1 Ensure that you have received all **fourteen (14)** pages and **EIGHT (8)** drawings of the RFQ package.
- 1.2 A site meeting, by appointment only, will be held on **Friday, 2021-11-19, 0900 hours (9:00am)** meeting at the Toronto Zoo, Administrative-Support Centre, 361A Old Finch Ave., Scarborough, Ontario. Additional meeting times may be added based on interest. The site meeting will be limited to one (1) representative per bidder. **Bidders are required to pre-register by email, no later than 2021-11-24 at 12:00 p.m. local standard time.**
- 1.3 Complete ALL FORMS in section 4.0 and return by due date and time received on or before **Friday, 2021-12-03, 1200 hours (noon, local time)** or your Quotation will not be considered. Include signed copies of any addenda with your proposal package.
- 1.4 Quotations must not be submitted by facsimile, email or any other electronic format.
- 1.5 Show itemized cost of HST if applicable.
- 1.6 Toronto Zoo reserves the right to award in whole or in part on the basis of the bids received, Lump Sum Price or Breakdown Price.
- 1.7 All Prices submitted shall be quoted in Canadian currency.
- 1.8 Use the attached submission label, when you submit your response in a sealed envelope or package and deliver to the Toronto Zoo.
- 1.9 Quotation prices shall remain in effect for a period of ninety (90) days from the Quotation due date.
- 1.10 Include product information, samples, and pictures, as necessary.
- 1.11 Provide references of at least three (3) clients for whom your company has performed similar work. References must include photos of three (3) different installations, client company name, contact name, address and e-mail address.
- 1.12 If applicable, suggested alternative products are acceptable, however all such products must be quoted separately and should not replace the Toronto Zoo requested product, work or service.
- 1.13 It is the responsibility of the Bidder to understand all aspects of the RFQ and to obtain clarification if necessary before submitting their quotation.
- 1.14 For any questions concerning this RFQ, please contact:

Peter Vasilopoulos, Supervisor,
Purchasing & Supply, Tel: 416-392-5916, Fax: 416-392-6711,
E-mail: pvasilopoulos@torontozoo.ca

Any questions regarding the work in this RFQ must be forwarded by the end of the day **Monday, 2021-11-29.**

2.0 TERMS AND CONDITIONS

- 2.1 Definitions:** Wherever used in the Request for Quotation the word “**Board**” means the Board of Management of the Toronto Zoo and the word “**Vendor**” or “**Contractor**” means the person or persons or Corporation to whom the purchase order is issued.
- 2.2 Vendor Assurance:** Unless otherwise stated, the goods, material, articles, equipment, work or services, specified or called for in or under this Quotation, shall be delivered or completely performed, as the case may be, by the Vendor as soon as possible and in any event within the period set out herein as the guaranteed period of delivery or completion.
- 2.3 Country of Origin:** Wherever possible, the goods, services, materials, articles or equipment, specified or called for in or under this Quotation, shall be of Canadian origin and manufacture.
- 2.4 Delivery:** The prices stated in this Quotation cover the services, material, articles or equipment referred to herein, being delivered F.O.B. destination, freight, express, duty and all other charges prepaid, unless otherwise indicated herein. A detailed delivery ticket or piece tally, showing the exact quantity of goods, material, articles or equipment shall accompany each delivery. A receiver’s receipt shall not bind the Board to accept the goods, material, articles or equipment covered thereby, or the particulars of the delivery ticket or piece tally therefore. The Vendor shall not be entitled to any interest upon any bill due to delay in its approval by the CEO of the Toronto Zoo or his designate.
- 2.5 Invoicing:** Unless otherwise indicated herein, the prices stated are payable in Canadian Funds at the head office of the Board. Any Harmonized Sales Tax (HST) applicable shall be shown as a separate item. The Vendor’s HST/Business registration number must be indicated on the invoice.

The Vendor shall clearly show any special charges such as packaging and freight, where applicable, as separate items on the invoice.

Payments to non-resident Vendors may be subject to withholding taxes under the Income Tax Act (Canada). Unless a non-resident Vendor provides the Board with a letter from Revenue Canada, Taxation waiving the withholding requirements, the Board will withhold the taxes it determines are required under the Income Tax Act (Canada).

- 2.6 Notice of Delivery:** The Vendor shall notify the Purchasing Agent of the Board at the address given for the mailing of invoices, in writing as soon as possible of the details of the shipment of the goods, materials, articles or equipment.
- 2.7 Right to Cancel:** The Board shall have the right to cancel at any time this Quotation or any contract or any part of any contract resulting from this Quotation in respect of the goods, material, articles, equipment, work or services set out in this Quotation or any such contract or part of such contract, not delivered or performed at the time of such cancellation, and the Board will not be responsible to make any payments in respect of any such goods, materials, articles, equipment, work or services and shall not incur any liability whatsoever in respect thereto.

In the event that the Vendor fails or neglects by any act or omission to comply with any of the conditions set out herein, this Quotation or any contract resulting from this Quotation may be unconditionally cancelled by the Board without notice to the Vendor.

- 2.8 Official Agreement:** No verbal arrangement or agreement, relating to the goods, material, articles, equipment, work or services, specified or called for under this Quotation, will be considered

binding, and every notice advice or other communication pertaining thereto, must be in writing and signed by a duly authorized person.

- 2.9 Worker's Rights:** The Vendor shall comply with the conditions of the Board relating to Worker's Rights, a copy of which is available on application to the Manager, Fair Wage and Labour Trades Office, City of Toronto, 18th Floor, West Tower, City Hall, Toronto, Ontario, M5H 2N2 or by phone at 416-392-7300.
- 2.10 Indemnity:** The Vendor shall at all times well and truly save, defend, keep harmless and fully indemnify the Board, the City of Toronto, Toronto Region and Conservation Authority and their servants, employees, officers or agents, hereinafter called the "Indemnities", from and against all actions, suits, claims, demands, losses, costs, charges, damages, and expenses, brought or made against or incurred by the Indemnities, its or their servants, officers, employees, agents or invitees in any way relating, directly or indirectly, to goods, material, articles or equipment supplied or to be supplied, or to the supplying of goods or services, pursuant to this Quotation, or any other claim, action, suit, demand, loss, cost, charge, damage or expense relating to copyright, trademark or patent with regard directly or indirectly with any such goods, services, material, articles or equipment or the supply or performance thereof.
- 2.11 Liability for Acts of Vendor Employees, Contractors or Agents:** The Vendor acknowledges responsibility and accepts liability for the acts of any of its employees, contractors and agents while on Toronto Zoo property. The Toronto Zoo reserves the right to request background checks for any individual providing the services requested on behalf of the Vendor.
- 2.12 Guaranty of Quotation:** All goods, material, articles, equipment, work or services, specified or called for in or under this Quotation, shall be supplied or performed at the price or process and on the basis set forth or referred to in and in accordance with the Offer and this Quotation. The basis on which this Quotation is given shall include any specifications, plans, price schedules, samples, addenda or other details pertaining thereto, or provided in connection therewith.
- 2.13 Right of Notice:** Any notice that the Board may be required or desire to give to the Vendor shall for all purposes to be deemed to have been sufficiently and properly given and afforded by registered mail addressed to the Vendor at the address shown for the Vendor on this form and shall therefore be presumed to have been received by the Vendor on the third day following such registration.
- 2.14 Formal Contract:** The Vendor may be required and shall, if requested by the solicitor for the Board so to do, to execute and enter into a formal contract that is satisfactory to the solicitor for the Board, in order to document the contract resulting from this Quotation and to embody indemnity and related provisions that in the opinion of such solicitor are required to protect the Board.
- 2.15 Charity Status:** The Toronto Zoo is a registered charitable organization (registration #BN 119216398RR0001) and accordingly may be eligible for preferred pricing which should be reflected in the Quotation as submitted.
- 2.16 Performance Evaluation:** The Contractor's performance will be evaluated by the Chief Executive Officer and/or Chief Executive Officer's Representative during the Contract and at the end of the Contract. In the event that the Contractor's performance is considered unsatisfactory by the Chief Executive Officer and/or Chief Executive Officer's Representative, the Contractor and/or its affiliates may become ineligible from bidding on future contracts issued by the Board.

3.0 PROJECT REQUIREMENTS

The work shall commence once the project has been awarded and a Purchase Order issued. The scope of work includes supply of all labour, tools, materials and equipment necessary to complete the pen improvements in our Giraffe House – Holding Area at the African Savanna - Toronto Zoo. All work is to be completed in accordance with the drawings and specifications in the Request for Quotation (RFQ). The contractor is responsible for all pricing and all other arrangements with all subcontractors as required.

3.1 SCOPE OF WORK

1. Supply all labour, tools, materials and equipment to complete the work as outlined in the quotation documents, drawings and specifications.
2. All work to be completed in accordance with applicable codes (e.g. Building Code, Electrical Code, Fire Code, etc.)
3. All measurements to be site verified.
4. Toronto Zoo will complete a site service locate prior to commencement of work. The contractor must hand dig or hydrovac within 2m on either side of located services.
5. In accordance with the Zoo's hot work permit, fire watches are to be provided for 4 hours after the hot work has been completed.
6. Provide adequate ventilation to remove smoke and fumes from within the space during work.
7. Hours of work within the space is between 8:30am and 4:30pm (local time).
8. Fill open post holes with concrete. Weld galvanized steel top plate to cover holes. Match existing steel. All ends to be finished smooth.
9. Where highlighted, install new galvanized steel mesh panels between columns (match existing). 50x50x12ga mesh. Welded at all joints and to all steel bars/columns w/ 50x8 galvanized flat bar welded on edges of mesh.
10. Where highlighted, install new galvanized steel mesh panels between column and wall (match existing). 50x50x12ga mesh. Welded at all joints and to all steel bars/columns w/ 50x8 galvanized flat bar welded on edges of mesh.
11. Where highlighted, install new galvanized steel mesh panels between columns and service doors (match existing). 50x50x12ga mesh. Welded at all joints and to all steel bars/columns w/ 50x8 galvanized flat bar welded on edges of mesh. Attach to column with galvanized continuous hinge only. Panel to swing outwards. Panel to lock against lower fixed panel when closed.
12. Where highlighted, install new galvanized steel mesh panels between column and hydraulic door (match existing). 50x50x12ga mesh. Welded at all joints and to all steel bars/columns w/ 50x8 galvanized flat bar welded on edges of mesh. Attach to column only. Tie back panel to column w/ bracing to support panel.

13. Where highlighted, install new galvanized steel mesh panels on wall and doors (match existing). 50x50x12ga mesh. Welded at all joints and to all steel bars/columns w/ 50x8 galvanized flat bar welded on edges of mesh.
14. Where highlighted, install new 4' high galvanized steel mesh panels above existing wall (match existing). 50x50x12ga mesh. Welded at all joints and to all steel bars/columns w/ 50x8 galvanized flat bar welded on edges of mesh. Attach to bottom wall w/ welded standoffs. Reinforce as required.
15. New single Giraffe sliding door w/ mesh. Construction of door to match existing door design. Modify height and width as required for door opening. To be controlled by pulley system that is controlled from the Keeper corridor. All pulley cables/hardware to be covered/protected. Provide shop drawings for approval, prior to fabrication and install.
16. Protect all areas not affected by the work. Any damage to these areas will be the responsibility of the contractor to rectify.
17. Clean the work area and remove all debris from site on a daily basis. Site to remain protected and secure at all times.
18. Excess material will be stored on the Toronto Zoo site for future use. Toronto Zoo staff will designate a suitable area for stockpiling of additional material.
19. The contractor is required to provide closeout documents including but not limited to as built drawings, warranty, and inspection certificates.
20. The contractor shall supply the Zoo with copies of relevant certificates and licences for all workers before commencement of work.

The Contractor is responsible for all pricing and all other arrangements with their subcontractors as required. Work is to be completed by **Friday, 2022-02-14**.

The following are attached:

DRAWINGS:

GIRAFFE HOLDING IMPROVEMENTS PHOTOS

3.2 CONTRACTOR RESPONSIBILITIES

1. Regular meetings/communication with the Toronto Zoo Project Team to review project status and to discuss issues that may arise during the project.
2. Provide samples, mock ups, etc. as required to the Project Team.
3. Provide product information, MSDS sheets and colour samples to the Project Team prior to start of the work where applicable.
4. Provide the Zoo with a two (2) year warranty upon completion of the project.
5. Protect adjacent areas not included in the project. Any damage caused will be the responsibility of the contractor to rectify at no additional cost to the Zoo.

6. Clean-up the work area daily and make good any damage caused as a result of the work.
7. Secure the work site and provide construction signs and barriers to prevent injury to Zoo personnel and the public who will require access to the space during the work.
8. Upon award of contract, Contractor is to finish all work, including clean up and demobilization by the completion date specified.
9. Submit all shop drawings for review and approval prior to start of fabrication. Review of shop drawings shall not mean that the Toronto Zoo approves detail design inherent in shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in shop drawings or of his responsibility for meeting all requirements of the subcontract documents.
10. Submit close out documents as requested. Include warranties and “As built” drawings.

3.3 SAFETY SPECIFICATIONS

1. It is the responsibility of the Contractor to protect the site as required during construction.
2. Ensure that awareness of public safety is considered and protect visitors in the vicinity during the construction period.
3. All necessary personal protective equipment must be worn at all times and MSDS sheets must be available on site as required.
4. The contractor is to abide by applicable Toronto Zoo Health & Safety Policies, the Ontario Health and Safety Acts, the Ontario Building Code and all other applicable codes including the Fire Codes.
 - i. SAFE-002 Health & Safety Hazard Reporting
 - ii. SAFE-017 Contractors Safety
 - iii. SAFE-018 Vehicles on Site
 - iv. SAFE-007 Working in Confined Space
 - v. SAFE-025 Hot Work
 - vi. SAFE-013 Equipment Lockout/Tagout

Toronto Zoo’s Commitment to the City of Toronto’s Corporate Smog Alert Response Plan

5. It is the responsibility of the Contractor to ensure that the work site is properly protected at all times. All work sites must be marked, barriered, and protected adequately with construction signs posted to secure and isolate the work site from the public or other personnel that have access to the area.

3.4 OTHER INFORMATION

The successful bidder must demonstrate the ability to complete the work to standards acceptable to the Zoo and prove past performance in the completion of similar types of work for other clients by providing relevant examples of work and references. The successful bidder must also demonstrate and guarantee that they can produce the work in the allotted time.

4.0 SUBMISSION FORMS:

I/We, hereby, submit the Quotation and will comply with all terms, conditions, specifications and drawings (when provided) as set out within the Board’s Quotation.

I/We, hereby, have received, allowed for and included as part of our submission all issued Addendum numbered _____.

This form must be completed, properly signed and received on or before the date and time specified or your Quotation will not be considered. Quotation prices shall remain in effect for a period of ninety (90) days from the Quotation due date.

The Board of Management of the Toronto Zoo reserves the right to reject any or all Quotations or to accept any Quotation, should it deem such action to be in its interests.

By signing and submitting this FORM, you are agreeing to the release of your quotation information, as deemed necessary by the Board, in order to conduct business associated with this quotation or project.

COMPANY INFORMATION	
Company Name:	
Name of authorized Signing Officer	Title:
Signature of authorized Signing Officer:	Date:
Contact Name:	Title:
Address:	
Telephone #:	Fax #:
Email:	Web Site:
HST #:	

4.1 QUOTATION PRICING - LUMP SUM PRICE

DESCRIPTION	Price complete, excluding HST
To provide all labour, tools, materials and equipment necessary to complete the holding improvements at the Giraffe House at the African Savanna - Toronto Zoo, as specified in the quotation documents, drawings and specifications of the RFQ package.	\$
HST	
Total	

COMMITMENT TO DELIVER	YES / NO
Please confirm that you are able to complete the work by: Friday, 2022-02-14.	

WARRANTY	Specify
Please confirm two (2) year warranty upon completion of the project.	

DISCOUNT	Discount	Days
Discount allowed for prompt payment and period within which invoice must be paid to qualify.	%	

Name of Firm:	
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SUBMISSION LABEL (N/A)

This address label should be printed and affixed to the front of your sealed tender, quotation and proposal envelope/package submission. Toronto Zoo will not be held responsible for envelopes and packages that are not properly labelled or submitted to an address other than the one listed on this label.

Vendor Name _____

RFQ 44 (2021-11) – GIRAFFE HOLDING IMPROVEMENTS
Due Date: Friday, 2021-12-03, 1200 hours (noon, local time)

TO BE RETURNED TO

**TORONTO ZOO
C/O SUPERVISOR, PURCHASING & SUPPLY
ADMINISTRATIVE SUPPORT CENTRE
361A OLD FINCH AVE.
TORONTO, ONTARIO
M1B 5K7**

NOTICE OF NO BID

INSTRUCTIONS:

It is important to the Toronto Zoo to receive a reply from all invited bidders. If you are unable, or do not wish to submit a bid, please complete the following portions of this form. State your reason for not bidding by checking the applicable box(es) or by explaining briefly in the space provided. It is not necessary to return any other Request for Proposal/Quotation/Tender documents or forms. Please just return this completed form by fax or by mail prior to the official closing date. **Purchasing and Supply Fax Number: (416) 392-6711.**

A Proposal/Quotation/Tender is not submitted for the following reason(s):	
<input type="checkbox"/> Project/quantity too large.	<input type="checkbox"/> Project/quantity too small.
<input type="checkbox"/> We do not offer services or commodities to these requirements	<input type="checkbox"/> Cannot meet delivery or completion requirement
<input type="checkbox"/> We do not offer this service or commodity.	<input type="checkbox"/> Agreements with other company do not permit us to sell directly.
<input type="checkbox"/> Cannot handle due to present commitments.	<input type="checkbox"/> Licensing restrictions
<input type="checkbox"/> Unable to bid competitively.	<input type="checkbox"/> We do not wish to bid on this service or commodity in the future.
<input type="checkbox"/> Insufficient information to prepare quote/proposal/tender	<input type="checkbox"/> Specifications are not sufficiently defined
<input type="checkbox"/> We are unable to meet bonding or insurance requirements.	

<u>Other reasons or additional comments (please explain):</u>

Company Name:	
Address	
Contact Person:	
Signature of Company Representative:	
Date:	
Phone Number:	
Email address	
Fax Number:	

APPENDIX A – LIST OF SUB-CONTRACTOR

The Bidder proposes to sublet the following portions of the Work to the persons firms or corporations indicated. The Bidder (Contractor) is responsible for all pricing with all subcontractors.

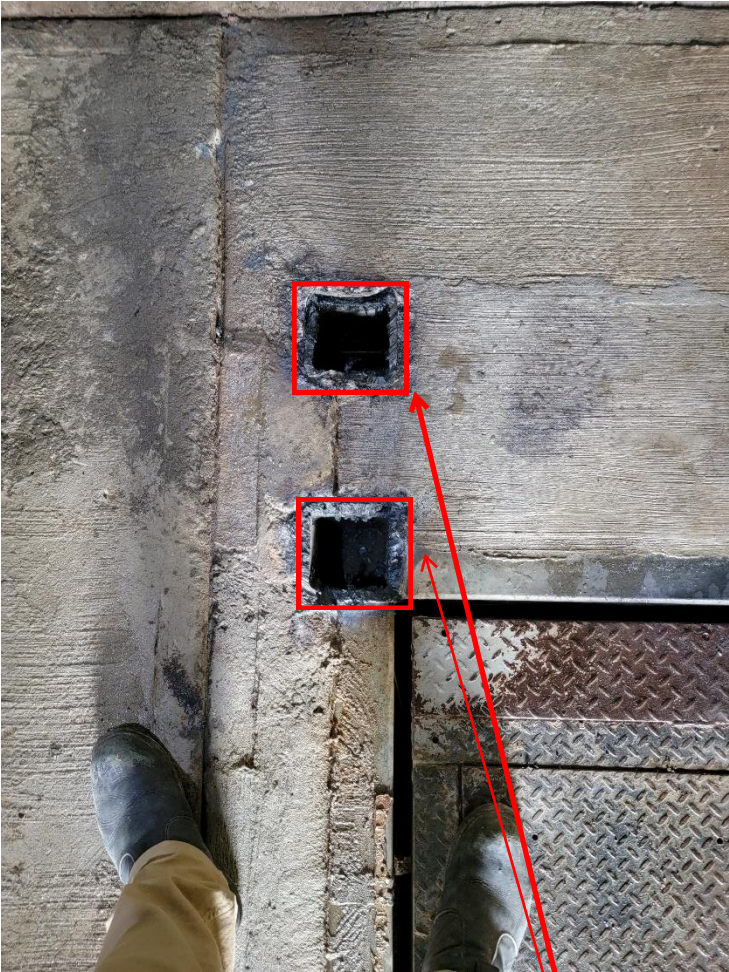
The Bidder submits that in proposing the under mentioned subcontractors, the Bidder has consulted each and have ascertained to our completed satisfaction that those names are fully acquainted with the extent and nature of the work and that they will execute their work with the requirements of the contract documents.

Work or services to be provided	Name and address of sub-contractor or person	Telephone

Name of Bidder:	
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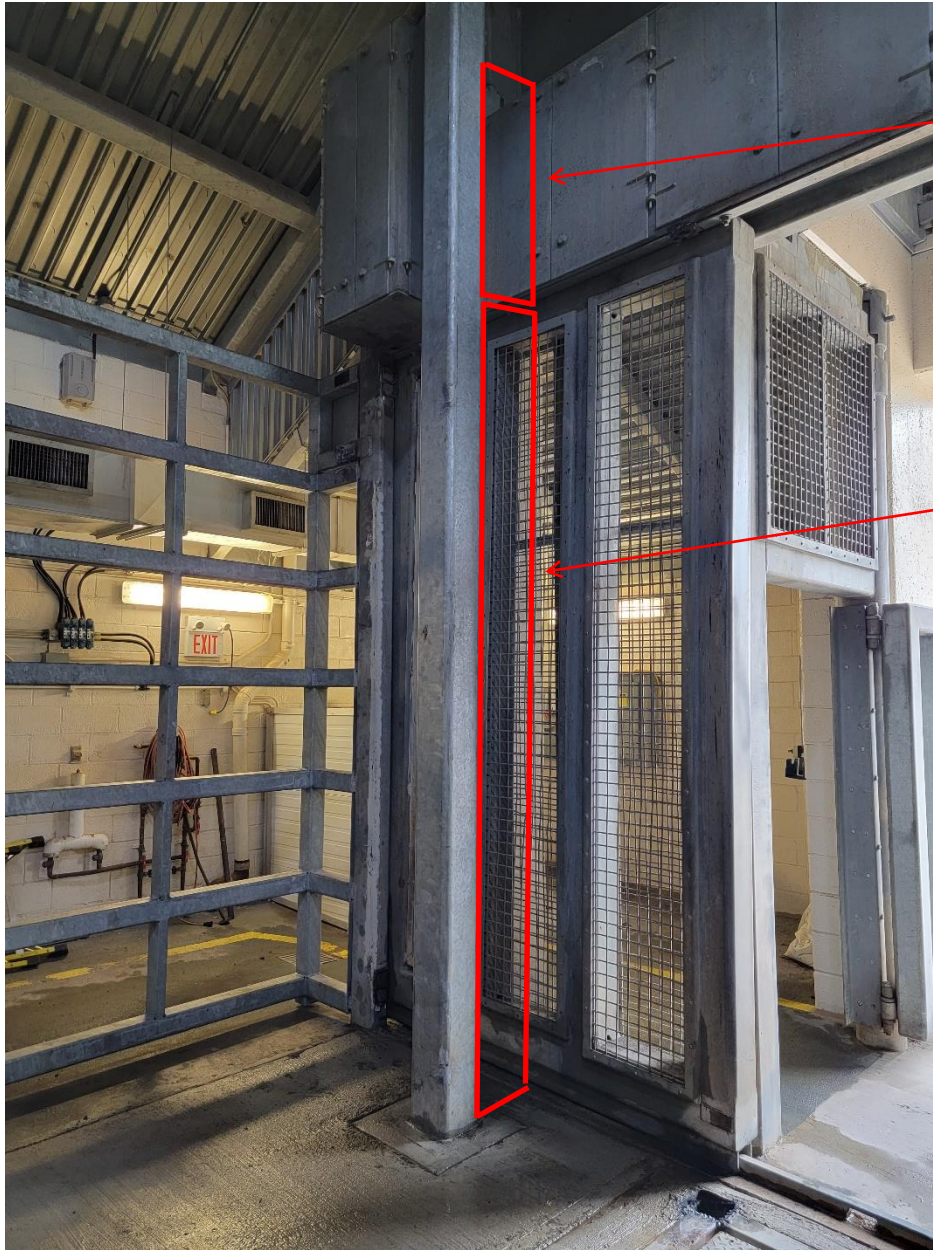
INSTALL NEW SLIDING DOOR W/
TRACK. CONSTRUCTION OF DOOR TO
MATCH EXISTING GIRAFFE DOORS. TO
BE CONTROLLED BY PULLEY SYSTEM
THAT IS CONTROLLED FROM KEEPER
CORRIDOR. ALL PULLEY
CABLES/HARDWARE TO BE
COVERED/PROTECTED.



FILL HOLES W/
CONCRETE.
WELD TOP PLATE TO
COVER HOLES. ALL
ENDS TO BE
FINISHED SMOOTH.

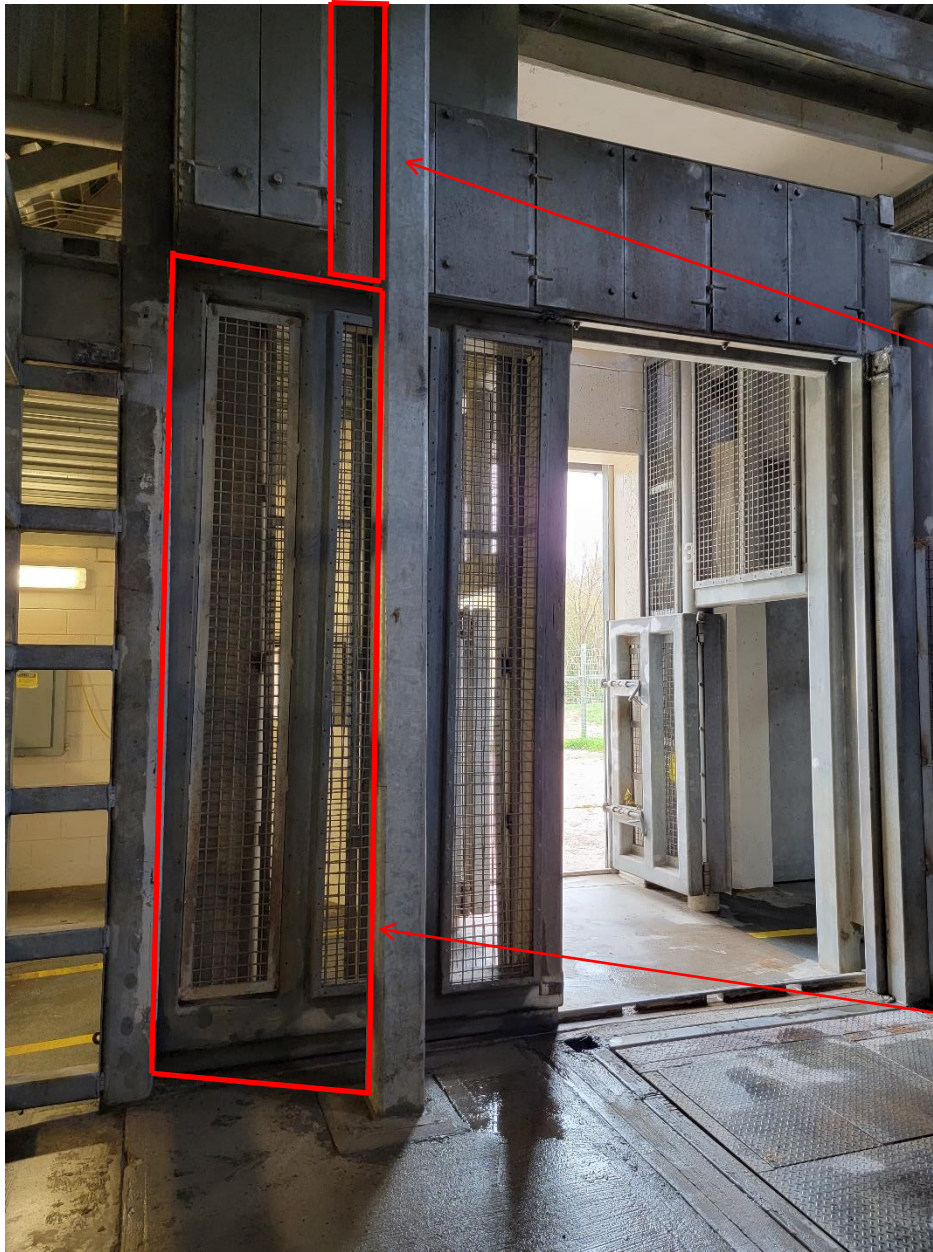


INSTALL NEW GALV. STEEL MESH
PANELS BETWEEN COLUMNS
(MATCH EXISTING)
50X50X12GA MESH, WELDED AT
ALL JOINTS & TO ALL STEEL
BARS/COLUMNS
W/ 50X8 GALV. FLAT BAR WELDED
ON EDGES OF MESH. (TYP)



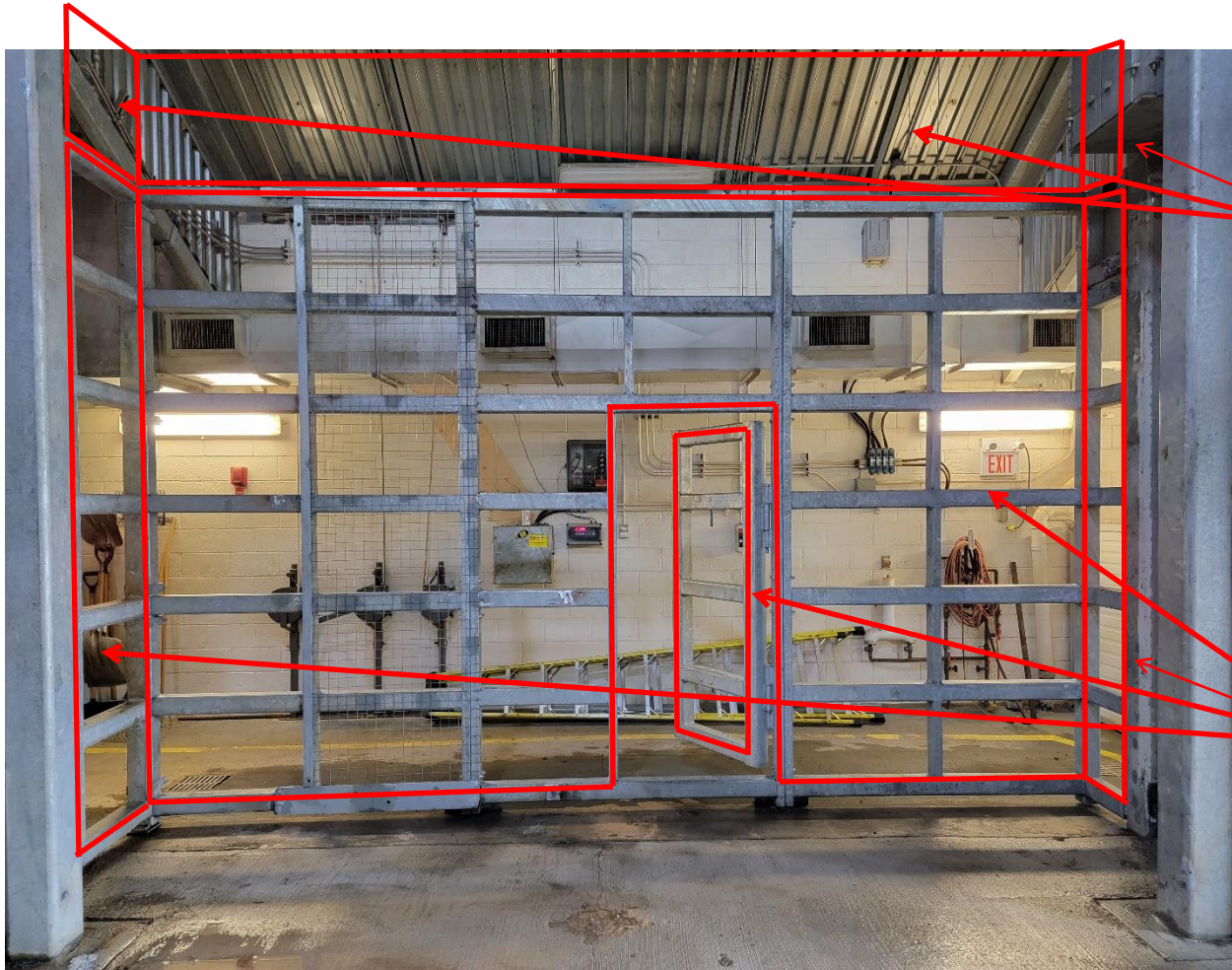
INSTALL NEW GALV. STEEL MESH PANELS BETWEEN COLUMN AND SERVICE DOORS (MATCH EXISTING)
50X50X12GA MESH, WELDED AT ALL JOINTS
W/ 50X8 GALV. FLAT BAR WELDED ON EDGES OF MESH. (TYP)
ATTACH TO COLUMN W/ CONTINUOUS HINGE ONLY. PANEL TO SWING OUTWARDS. PANEL TO LOCK AGAINST LOWER FIXED PANEL WHEN CLOSED.

INSTALL NEW GALV. STEEL MESH PANELS BETWEEN COLUMN AND DOOR (MATCH EXISTING)
50X50X12GA MESH, WELDED AT ALL JOINTS & TO ALL STEEL BARS/COLUMNS
W/ 50X8 GALV. FLAT BAR WELDED ON EDGES OF MESH. (TYP)
ATTACH TO COLUMN ONLY, TIE BACK TO COLUMN W/ BRACING TO SUPPORT PANEL.



INSTALL NEW GALV. STEEL MESH PANELS BETWEEN COLUMN AND SERVICE DOORS (MATCH EXISTING)
50X50X12GA MESH, WELDED AT ALL JOINTS
W/ 50X8 GALV. FLAT BAR WELDED ON EDGES OF MESH. (TYP)
ATTACH TO COLUMN W/ CONTINUOUS HINGE ONLY. PANEL TO SWING OUTWARDS. PANEL TO LOCK AGAINST LOWER FIXED PANEL WHEN CLOSED.

INSTALL NEW GALV. STEEL MESH PANELS BETWEEN COLUMNS (MATCH EXISTING)
50X50X12GA MESH, WELDED AT ALL JOINTS & TO ALL STEEL BARS/COLUMNS
W/ 50X8 GALV. FLAT BAR WELDED ON EDGES OF MESH. (TYP)



INSTALL NEW 4' HIGH GALV. STEEL MESH PANELS ABOVE EXISTING WALL (MATCH EXISTING) 50X50X12GA MESH, WELDED AT ALL JOINTS W/ 50X8 GALV. FLAT BAR WELDED ON EDGES OF MESH. (TYP) ATTACH TO BOTTOM WALL W/ WELDED STANDOFFS. REINFORCE AS REQUIRED.

INSTALL NEW GALV. STEEL MESH PANELS ON WALL AND DOORS (MATCH EXISTING) 50X50X12GA MESH, WELDED AT ALL JOINTS & TO ALL STEEL BARS/COLUMNS W/ 50X8 GALV. FLAT BAR WELDED ON EDGES OF MESH. (TYP)



INSTALL NEW 4' HIGH GALV. STEEL MESH PANELS ABOVE EXISTING WALL (MATCH EXISTING)
50X50X12GA MESH, WELDED AT ALL JOINTS
W/ 50X8 GALV. FLAT BAR WELDED ON EDGES OF MESH. (TYP)
ATTACH TO BOTTOM WALL W/ WELDED STANDOFFS. REINFORCE AS REQUIRED.

INSTALL NEW GALV. STEEL MESH PANELS ON WALL AND DOORS (MATCH EXISTING)
50X50X12GA MESH, WELDED AT ALL JOINTS & TO ALL STEEL BARS/COLUMNS
W/ 50X8 GALV. FLAT BAR WELDED ON EDGES OF MESH. (TYP)



INSTALL NEW GALV. STEEL MESH
PANELS BETWEEN COLUMN AND
WALL (MATCH EXISTING)
50X50X12GA MESH, WELDED AT
ALL JOINTS & TO ALL STEEL
BARS/COLUMNS
W/ 50X8 GALV. FLAT BAR WELDED
ON EDGES OF MESH. (TYP)



INSTALL NEW GALV. STEEL MESH
PANELS BETWEEN COLUMNS
(MATCH EXISTING)
50X50X12GA MESH, WELDED AT
ALL JOINTS & TO ALL STEEL
BARS/COLUMNS
W/ 50X8 GALV. FLAT BAR WELDED
ON EDGES OF MESH. (TYP)