

## **Invitation for Bid**

The Rochester Housing Authority, Rochester, New York, will receive sealed bids for **Jonathan Child Apts. Facade Repairs**

in connection with the **Above Project, NY-41-39 at 399 Colvin St., Rochester, New York**, until: **November 18, 2024 @ 11:00 a.m.** at its Procurement Office, 495 Upper Falls Blvd., Rochester, New York, at which time and place all bids will be publicly opened and read aloud.

**There will be a walk through at 399 Colvin St. on October 16, 2024 at 11:00 am.**

**All questions for this solicitation must be received in writing before 3 PM October 23, 2024. All questions will be answered in a written summary or addendum.**

The bid package may be obtained at [www.rochesterhousing.org/bid-opportunities](http://www.rochesterhousing.org/bid-opportunities) and at the Rochester Builder Exchange Plan Room [www.robex.com](http://www.robex.com) beginning **October 3, 2024.** The Rochester Housing Authority reserves the right to reject any or all bids for any reason or to waive any informalities in the bidding.

Bids will not be accepted unless the documents have been obtained under the name of the bidding party and all other bid requirements, as identified here, are met. Bids must include all required documentation, bid security and addendum(s). New vendors must be approved by the Rochester Housing Authority.

The contact person (s) is/are **David Stier dstier@rochesterhousing.org**

A certified check or bank draft, payable to the Rochester Housing Authority or a satisfactory Bid Bond executed by the Bidder and an acceptable surety company listed on US Treasury Circular 570, in an amount equal to five percent (5%) of the bid shall be submitted with each bid more than One Hundred Fifty Thousand Dollars (\$100,000).

**For all construction contracts exceeding \$100,000, the successful bidder shall be required to furnish and pay for a Performance and Payment Bond for 100% of the contract price (Surety company again must be listed on the US Treasury Circular 570 as a certified company)**

The Rochester Housing Authority reserves the right to reject any or all bids for any reason or to waive any informalities in the bidding.

No bids shall be withdrawn for a period of ninety (90) days after bid opening without the express consent of the Rochester Housing Authority.



To: All Contractors

**All bids that are submitted to RHA must include completely filled out bid forms.**

What does this consist of?

- a. Bid Proposal form must be completed with any unit prices and alternates
- b. Schedule of Amounts for Contract Payments (HUD-51000)
- c. Previous Participation Certification (HUD-2530) for jobs over \$50,000.00-completed
- d. Acknowledgment of Principal – **Notarized**
- e. Affidavit - **Notarized**
- f. Representations, Certifications, and Other Statements of Bidders (HUD-5369A) must be fully filled out completely
- g. 5% Bid Security for all bids over \$100,000
- h. If Applicable, Acknowledgment of receipt of Addendum(s). Signed cover page(s) of all addendum(s) pertaining to this project **must** be included with bid submission.
- i. Section 3 Vendor Commitment form. **MUST be included in your bid submission.**

(Note: All Notary stamps/signatures MUST be originals, not photocopies)

**Failure to include the above items in your bid may render the bid non-responsive.**

**If you have any questions on the above paperwork or require any clarification, please contact [dstier@rochesterhousing.org](mailto:dstier@rochesterhousing.org)**

**PROPOSAL FORM**  
**Jonathan Child Apts. Facade Repairs**

PROJECT NY 41-39

Date: **XXXX**, 2024

Rochester Housing Authority  
495 Upper Falls Blvd.  
Rochester, New York 14605

Contractors:

The undersigned, having become familiar with the Contract Documents including all addenda (No's \_\_\_\_\_), the requirements necessary to provide, perform and/or supply as necessary the work, materials, supplies or equipment as either solicited or advertised and further having visited the site of the project to ascertain all local conditions affecting the cost of the work, material, supplies or equipment, hereby proposes to furnish all the labor, materials, tools, supplies, equipment and all other incidental items necessary to complete the work or deliver in first class condition supplies and/or equipment, including insurance and taxes, and to do and perform all things as required in the specifications, all in accordance with the Contract Documents, TERMS MAY BE UPDATED FROM TIME TO TIME, WHICH TERMS ARE INCORPORATED HEREIN BY REFERENCE AND MADE PART HEREOF, for the total sum of;

\_\_\_\_\_ and /100 dollars  
(\$ \_\_\_\_\_)

If unit prices are noted for additional work or work that may be required in conjunction with this contract the unit prices will then become part of this proposal.

**Unit Prices**

**DEDUCT Alternates**

**\$ (please complete Unit price sheet within) \_\_\_\_\_**

\$ \_\_\_\_\_ N/A \_\_\_\_\_

The undersigned further agrees to complete the entire work to the satisfaction of the Rochester Housing Authority, and in strict conformance with the Drawings, Specifications, and the Contract Documents within **300** calendar days after the date upon which work hereunder is to commence as set forth in the Notice and Order to Proceed, and that Liquidated Damages may be assessed by the Authority as per the "Schedule of Liquidated Damages" for each calendar day of delay beyond the completion date as established in the Notice and Order to Proceed. The Notice and Order to Proceed will commence on the day of the Pre-Construction Conference, and/or Purchase Order is given to the Contractor/unless a specific date is in the Special Conditions in the bid package.

\_\_\_\_\_  
(Bidder)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(City State Zip)

\_\_\_\_\_  
(Signature & Title)



**Schedule of Amounts for  
Contract Payments**

**U.S. Department of Housing and Urban  
Development  
Office of Public and Indian Housing**

OMB Approval No. 2577-0157  
(Exp. 11/30/2023)

No progress payments shall be made to the contractor unless a schedule of amounts for contract payments in accordance with the construction contract is received.

Public reporting burden for the collection of this information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. The agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the collection displays a valid OMB control number. Construction practices and HUD administrative requirements establish the need that HA's maintain certain records or submit certain documents in conjunction with the oversight of the award of construction contracts for the construction of new low-income housing developments or modernization of existing developments. These forms are used by HAs to provide information on the construction progress schedule of amounts for contract payments. Responses to the collection of information are required to obtain a benefit or to retain a benefit. The information requested does not lend itself to confidentiality.

Project Name & Location:		Example Project						
Name, Address, and Zip Code of Contractor						Project Number	xxxxx	
Nature of Contract:		Example Project				Contract Number	xxxxx	
Approved for Contractor by				Title:		Date		
Approved for Architect by				Title:		Date		
Approved by Owner by				Title:		Date		
Item No (1)	Description of Item (2)	Quantity (3)	Unit of Measure (4)	Unit Price in Place (5)	Amount of Sub-Item (6)	Amount of Principal (7)		
2	<b>General Conditions (5%maximum)</b>	1	lump sum	10.00	10.00	<b>10.00</b>		
3	<b>Demo &amp; Clearing</b>						<b>450.00</b>	
	sub-item	Labor	10.00	hours	35.00	350.00		
	sub-item	Materials	1	each	100.00	100.00		
14	<b>Masonry</b>						<b>450.00</b>	
	sub-item	Labor	10.00	hours	35.00	350.00		
	sub-item	Materials	1	each	100.00	100.00		
19	<b>Sheet Metal</b>						<b>450.00</b>	
	sub-item	Labor	10.00	hours	35.00	350.00		
	sub-item	Materials	1	each	100.00	100.00		
22	<b>Caulking</b>						<b>450.00</b>	
	sub-item	Labor	10.00	hours	35.00	350.00		
	sub-item	Materials	1	each	100.00	100.00		
24	<b>Lath &amp; Plastering - Drywall</b>						<b>450.00</b>	
	sub-item	Labor	10.00	hours	35.00	350.00		
	sub-item	Materials	1	each	100.00	100.00		
26	<b>Finish Carpentry</b>						<b>450.00</b>	
	sub-item	Labor	10.00	hours	35.00	350.00		
	sub-item	Materials	1	each	100.00	100.00		
32	<b>Floors</b>						<b>450.00</b>	
	sub-item	Labor	10.00	hours	35.00	350.00		
	sub-item	Materials	1	each	100.00	100.00		
33	<b>Painting &amp; Decorating</b>						<b>450.00</b>	
	sub-item	Labor	10.00	hours	35.00	350.00		
	sub-item	Materials	1	each	100.00	100.00		
35	<b>Plumbing</b>						<b>450.00</b>	
	sub-item	Labor	10.00	hours	35.00	350.00		

**Schedule of Amounts for  
Contract Payments**

**U.S. Department of Housing and Urban  
Development  
Office of Public and Indian Housing**

OMB Approval No. 2577-0157  
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	sub-item	Materials	1	each	100.00	100.00	
37	<b>Ventilating System</b>						<b>450.00</b>
	sub-item	Labor	10.00	hours	35.00	350.00	
	sub-item	Materials	1	each	100.00	100.00	
38	<b>Electrical</b>						<b>450.00</b>
	sub-item	Labor	10.00	hours	35.00	350.00	
	sub-item	Materials	1	each	100.00	100.00	
43	<b>Other</b>						<b>450.00</b>
	sub-item	Labor	10	hours	35.00	350.00	
	sub-item	Materials	1	each	100.00	100.00	
57	<b>Shades &amp; Drapery Rods</b>						<b>450.00</b>
	sub-item	Labor	10	hours	35.00	350.00	
	sub-item	Materials	1	each	100.00	100.00	
60	<b>Kitchen Cabinets</b>						<b>450.00</b>
	sub-item	Labor	10	hours	35.00	350.00	
	sub-item	Materials	1	each	100.00	100.00	
63	<b>Punch List</b>						<b>450.00</b>
		Labor	10	hours	35.00	350.00	
		Materials	1	each	100.00	100.00	
	<b>Permits</b>						<b>10.00</b>
	<b>Overhead</b>						<b>10.00</b>
	<b>Profit</b>						<b>10.00</b>
	<b>Total Amount of Contract or Carried Forward</b>						<b>\$6,760.00</b>

To the best of my knowledge, all the information stated herein, as well as any information provided in the accompaniment herewith, is true and accurate. Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Signature of authorized representative

Date signed (mm/dd/yyyy)

X

form HUD-51000 (7/97)

Previous editions are obsolete

ref Handbooks 7417.1 and 7485.1

**Master List of Items**

Item NO. Division of Work

- 1 Bond
- 2 General Conditions (1)
- 3 Demolition & Clearing

**Structures**

- 4 General Excavation

Item NO. Division of Work

- 20 Rough Carpentry
- 21 Metal Bucks
- 22 Caulking
- 23 Weatherstripping
- 24 Lath & Plaster-Drywall
- 25 Stucco

**Site Improvements**

- Retaining Walls
- Storm Sewers
- Sanitary Sewers
- Water Distribution System

**Schedule of Amounts for  
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Office of Public and Indian Housing**

OMB Approval No. 2577-0157  
(Exp. 11/30/2023)

5	Footing Excavation	26	Finish Carpentry	Gas Distribution System
6	Backfill	27	Finish Hardware	Electrical Distribution System
7	Foundation Piles & Caissons	28	Glass & Glazing	Street & Yard lighting
8	Concrete Foundations	29	Metal Doors	Fire & Police Alarm System
9	Concrete Superstructures	30	Metal Base & Trim	Fire Protection System
10	Reinforced Steel	31	Toilet Partitions	Street Work
11	Waterproofing & Dampproofing	32	Floors	Yard Work
12	Spandrel Waterproofing	33	Painting & Decorating	(Other)
13	Structural Steel	34	Screens	(Other)
14	Masonry	35	Plumbing	
15	Stonework	36	Heating	
16	Miscellaneous & Ornamental Metal	37	Ventilating System	<b>Equipment</b>
17	Metal Windows	38	Electrical	Shade & Drapery Rods
18	Roofing	39	Elevators	Ranges
19	Sheet Metal	40	Elevator Enclosures-Metal	Refrigerators
				Kitchen Cabinets & Work
		41	Incinerators-Masonry & Parts	Tables
		42	(Other)	Laundry Equipment
		43	(Other)	(Other)
				Punch List (2)
				Lawns & Plantings
1	General Conditions should be 3% to 5% of contract amount.			
2	Punch List should be approximately 1/2 of 1% or \$30.00 per dwelling unit whichever is greater.			

**Previous editions are obsolete**

form HUD-51000 (4/20)  
ref Capital Fund Guidebook

# Schedule of Amounts for

## U.S. Department of Housing and Urban Development Office of Public and Indian Housing

OMB Approval No. 2577-0157  
(Exp. 11/30/2023)

No progress payments shall be made to the contractor unless a schedule of amounts for contract payments in accordance with the construction contract is received.

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. HUD may not conduct or sponsor, and an applicant is not required to respond to a collection of information unless it displays a currently valid OMB control number. Construction practices and HUD administrative requirements establish the need that HAs maintain certain records or submit certain documents in conjunction with the oversight of the award of construction contracts for the construction of new low-income housing developments or modernization of existing developments. These forms are used by HAs to provide information on the construction progress schedule and schedule of amounts for contract payments. Responses to the collection of information are required to obtain a benefit or to retain a benefit. The information requested does not lend itself to confidentiality.

Project Name and Location: <b>Apt's Facade Repairs 14611</b>				<b>Jonathan Child 399 Colvin St. , Rochester</b>		Project Number NY-41-39	
Name, Address, and Zip Code of Contractor							
Nature of Contract: <b>Facade Repairs</b>						Contract Number	
Approved for Contractor by			Title			Date (mm/dd/yyyy)	
Approved for Architect by			Title			Date (mm/dd/yyyy)	
Approved for Owner by			Title			Date (mm/dd/yyyy)	
Item No. (1)	Description of Item (2)	Quantity (3)	Unit of Measure (4)	Unit Price in Place (5)	Amount of Sub-Item (6)	Amount of Principal Item (7)	
1	Bond	1	LS	\$127,200.00	\$127,200.00	\$127,200.00	
2	General Conditions	1	LS	\$172,540.00	\$172,540.00	\$172,540.00	
3	Demo & Clearing					\$188,000.00	
	Labor	4381	Hrs	\$28.07	\$123,000.00		
	Materials	1	ea	\$65,000.00	\$65,000.00		
4	General Excavation					\$374,300.00	
	Labor	5865	Hrs	\$34.15	\$200,300.00		
	Materials	1	ea	\$174,000.00	\$174,000.00		
5	Footing Excavation					\$38,000.00	
	Labor	761	Hrs	\$34.15	\$26,000.00		
	Materials	1	ea	\$12,000.00	\$12,000.00		
6	Backfill					\$15,000.00	
	Labor	224	Hrs	\$33.46	\$7,500.00		
	Materials	1	ea	\$7,500.00	\$7,500.00		
10	Reinforcing Steel					\$12,600.00	
	Labor	198	Hrs	\$30.75	\$6,100.00		
	Materials	1	ea	\$6,500.00	\$6,500.00		
14	Masonry					\$24,000.00	
	Labor	609	Hrs	\$32.81	\$20,000.00		
	Materials	1	ea	\$4,000.00	\$4,000.00		
19	Sheet Metal					\$14,500.00	
	Labor	220	Hrs	\$36.26	\$8,000.00		
	Materials	1	ea	\$6,500.00	\$6,500.00		
20	Rough Carpentry					\$731,150.00	



	Labor	9160	Hrs	\$32.75	\$300,000.00	
	Materials	1	ea	\$431,150.00	\$431,150.00	
27	Finish Hardware (mailboxes)					\$27,170.00
	Labor	753	Hrs	\$32.75	\$24,670.00	
	Materials	1	ea	\$2,500.00	\$2,500.00	
29	Metal Doors					\$65,000.00
	Labor	793	Hrs	\$32.75	\$26,000.00	
	Materials	1	ea	\$39,000.00	\$39,000.00	
42	Insulation					\$10,000.00
	Labor	152	Hrs	\$32.75	\$5,000.00	
	Materials	1	ea	\$5,000.00	\$5,000.00	
43	Siding and Trim					\$1,312,590.00
	Labor	15346	Hrs	\$32.75	\$512,590.00	
	Materials	1	ea	\$800,000.00	\$800,000.00	
45	Storm Sewers					\$10,000.00
	Labor	16	Hrs	\$34.15	\$5,500.00	
	Materials	1	ea	\$4,500.00	\$4,500.00	
54	Yard Work & Tree Removal					\$145,200.00
	Labor	2493	Hrs	\$28.07	\$70,000.00	
	Materials	1	ea	\$75,200.00	\$75,200.00	
63	Punchlist					\$64,180.00
	Labor	1401	Hrs	\$32.75	\$45,910.00	
	Materials	1	ea	\$18,270.00	\$18,270.00	
	Permits	1	ea	\$24,000.00		\$24,000.00
	Overhead	1	ea	\$235,371.00	\$235,371.00	\$235,371.00
	Profit	1	ea	\$549,199.00	\$549,199.00	\$549,199.00
<b>Total Amount of Contract or Carried Forward</b>						<b>\$4,140,000.00</b>

To the best of my knowledge, all the information stated herein, as well as any information provided in the accompaniment herewith, is true and accurate.  
**Warning:** HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Signature of authorized representative	Date signed (mm/dd/yyyy)
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**US Department of Housing and Urban Development**  
Office of Housing/Federal Housing Commissioner

**US Department of Agriculture**  
Farmers Home Administration

<b>Part I to be completed by Principals of Multifamily Projects (See instructions)</b>		<b>For HUD HQ/FmHA use only</b>	
Reason for submission:			
1. Agency name and City where the application is filed		2. Project Name, Project Number, City and Zip Code	
3. Loan or Contract amount \$	4. Number of Units or Beds	5. Section of Act	6. Type of Project (check one) <input type="checkbox"/> Existing <input type="checkbox"/> Rehabilitation <input type="checkbox"/> Proposed (New)

**7. List all proposed Principals and attach organization chart for all organizations**

Name and address of Principals and Affiliates (Name: Last, First, Middle Initial) proposing to participate	8 Role of Each Principal in Project	9. SSN or IRS Employer Number

Certifications: The principal(s) listed above hereby apply to HUD or USDA FmHA, as the case maybe, for approval to participate as principal(s) in the role(s) and project listed above. The principal(s) each certify that all the statements made on this form are true, complete and correct to the best of their knowledge and belief and are made in good faith, including any Exhibits attached to this form. **Warning:** HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. The principal(s) further certify that to the best of their knowledge and belief:

1. Schedule A contains a listing, for the last ten years, of every project assisted or insured by HUD, USDA FmHA and/or State and local government housing finance agencies in which the principal(s) have participated or are now participating.
2. For the period beginning 10 years prior to the date of this certification, and except as shown on the certification:
  - a. No mortgage on a project listed has ever been in default, assigned to the Government or foreclosed, nor has it received mortgage relief from the mortgagee;
  - b. The principals have no defaults or noncompliance under any Conventional Contract or Turnkey Contract of Sale in connection with a public housing project;
  - c. There are no known unresolved findings as a result of HUD audits, management reviews or other Governmental investigations concerning the principals or their projects;
  - d. There has not been a suspension or termination of payments under any HUD assistance contract due to the principal's fault or negligence;
  - e. The principals have not been convicted of a felony and are not presently the subject of a complaint or indictment charging a felony. (A felony is defined as any offense punishable by imprisonment for a term exceeding one year, but does not include any offense classified as a misdemeanor under the laws of a State and punishable by imprisonment of two years or less);
  - f. The principals have not been suspended, debarred or otherwise restricted by any Department or Agency of the Federal Government or of a State Government from doing business with such Department or Agency;
  - g. The principals have not defaulted on an obligation covered by a surety or performance bond and have not been the subject of a claim under an employee fidelity bond;
3. All the names of the principals who propose to participate in this project are listed above.
4. None of the principals is a HUD/FmHA employee or a member of a HUD/FmHA employee's immediate household as defined in Standards of Ethical Conduct for Employees of the Executive Branch in 5 C.F.R. Part 2635 (57 FR 35006) and HUD's Standard of Conduct in 24 C.F.R. Part 0 and USDA's Standard of Conduct in 7 C.F.R. Part 0 Subpart B.
5. None of the principals is a participant in an assisted or insured project as of this date on which construction has stopped for a period in excess of 20 days or which has been substantially completed for more than 90 days and documents for closing, including final cost certification, have not been filed with HUD or FmHA.
6. None of the principals have been found by HUD or FmHA to be in noncompliance with any applicable fair housing and civil rights requirements in 24 CFR 5.105(a). (If any principals or affiliates have been found to be in noncompliance with any requirements, attach a signed statement explaining the relevant facts, circumstances, and resolution, if any).
7. None of the principals is a Member of Congress or a Resident Commissioner nor otherwise prohibited or limited by law from contracting with the Government of the United States of America.
8. Statements above (if any) to which the principal(s) cannot certify have been deleted by striking through the words with a pen, and the relevant principal(s) have initialed each deletion (if any) and have attached a true and accurate signed statement (if applicable) to explain the facts and circumstances.

Name of Principal	Signature of Principal	Certification Date(mm/dd/yyyy)	Area Code and Tel. No.
<b>This form prepared by (print name)</b>			<b>Area Code and Tel. No.</b>

# Previous Participation Certification

OMB Approval No. 2502-0118  
(Exp. 05/31/2019)

**Schedule A: List of Previous Projects and Section 8 Contracts.** Below is a complete list of the principals' previous participation projects and participation history in multifamily Housing programs of HUD/FmHA, State and local Housing Finance Agencies. **Note:** Read and follow the instruction sheet carefully. Make full disclosure. Add extra sheets if you need more space. Double check for accuracy. If no previous projects, write by your name, **"No previous participation, First Experience"**.

1. Principals Name (Last, First)	2. List of previous projects (Project name, project ID and, Govt. agency involved )	3. List Principals' Role(s) (indicate dates participated, and if fee or identity of interest participant)	4. Status of loan (current, defaulted, assigned, foreclosed)	5. Was the Project ever in default during your participation <b>Yes No If yes, explain</b>		6. Last MOR rating and Physical Insp. Score and date

## Part II- For HUD Internal Processing Only

Received and checked by me for accuracy and completeness; recommend approval or refer to Headquarters after checking appropriate box.

Date (mm/dd/yyyy)	Tel No. and area code	<input type="checkbox"/> A. No adverse information; form HUD-2530 approval recommended. <input type="checkbox"/> B. Name match in system <input type="checkbox"/> C. Disclosure or Certification problem <input type="checkbox"/> D. Other (attach memorandum)	
Staff	Processing and Control		
Supervisor	Director of Housing/Director, Multifamily Division	Approved <input type="checkbox"/> Yes <input type="checkbox"/> No	Date (mm/dd/yyyy)

### Instructions for Completing the Previous Participation Certificate, form HUD-2530

Carefully read these instructions and the applicable regulations. A copy of those regulations published at 24 C.F.R. 200.210 to 200.245 can be obtained from the Multifamily Housing Representative at any HUD Office. Type or print neatly in ink when filling out this form. Mark answers in all blocks of the form. If the form is not filled completely, it will delay approval of your application.

Attach extra sheets as you need them. Be sure to indicate "Continued on Attachments" wherever appropriate. Sign each additional page that you attach if it refers to you or your record.

**Carefully read the certification before you sign it.** Any questions regarding the form or how to complete it can be answered by your HUD Office Multifamily Housing Representative.

**Purpose:** This form provides HUD with a certified report of all previous participation in HUD multifamily housing projects by those parties making application. The information requested in this form is used by HUD to determine if you meet the standards established to ensure that all principal participants in HUD projects will honor their legal, financial and contractual obligations and are acceptable risks from the underwriting standpoint of an insurer, lender or governmental agency. HUD requires that you certify your record of previous participation in HUD/USDA-FmHA, State and Local Housing Finance Agency projects by completing and signing this form, before your project application or participation can be approved.

HUD approval of your certification is a necessary precondition for your participation in the project and in the capacity that you propose. If you do not file this certification, do not furnish the information requested accurately, or do not meet established standards, HUD will not approve your certification.

**Note that approval of your certification does not obligate HUD to approve your project application, and it does not satisfy all other HUD program requirements relative to your qualifications.**

#### Who Must Sign and File Form HUD-2530:

Form HUD-2530 must be completed and signed by all principals applying to participate in HUD multifamily housing projects, including those who have no previous participation. The form must be signed and filed by all principals and their affiliates who propose participating in the HUD project. Use a separate form for each role in the project unless there is an identity of interest.

Principals include all individuals, joint ventures,

partnerships, corporations, trusts, non-profit organizations, any other public or private entity that will participate in the proposed project as a sponsor, owner, prime contractor, turnkey developer, managing agent, nursing home administrator or operator, packager, or consultant. Architects and attorneys who have any interest in the project other than an arm's length fee arrangement for professional services are also considered principals by HUD.

In the case of partnerships, all general partners regardless of their percentage interest and limited partners having a 25 percent or more interest in the partnership are considered principals. In the case of public or private corporations or governmental entities, principals include the president, vice president, secretary, treasurer and all other executive officers who are directly responsible to the board of directors, or any equivalent governing body, as well as all directors and each stockholder having a 10 percent or more interest in the corporation.

Affiliates are defined as any person or business concern that directly or indirectly controls the policy of a principal or has the power to do so. A holding or parent corporation would be an example of an affiliate if one of its subsidiaries is a principal.

**Exception for Corporations** – All principals and affiliates must personally sign the certificate except in the following situation. When a corporation is a principal, all of its officers, directors, trustees and stockholders with 10 percent or more of the common (voting) stock need not sign personally if they all have the same record to report. The officer who is authorized to sign for the corporation or agency will list the names and title of those who elect not to sign. However, any person who has a record of participation in HUD projects that is separate from that of his or her organization must report that activity on this form and sign his or her name. The objective is full disclosure.

**Exemptions** – The names of the following parties do not need to be listed on form HUD-2530: Public Housing Agencies, tenants, owners of less than five condominium or cooperative units and all others whose interests were acquired by inheritance or court order.

#### Where and When Form HUD-2530 Must Be Filed:

The original of this form must be submitted to the HUD Office where your project application will be processed at the same time you file your initial project application. This form must be filed with applications for projects, or when otherwise required in the situations listed below:

- Projects to be financed with mortgages insured under the National Housing Act (FHA).
- Projects to be financed according to Section 202 of the Housing Act of 1959 (Elderly and

Handicapped).

- Projects in which 20 percent or more of the units are to receive a subsidy as described in 24 C.F.R. 200.213.
- Purchase of a project subject to a mortgage insured or held by the Secretary of HUD.
- Purchase of a Secretary-owned project.
- Proposed substitution or addition of a principal or principal participation in a different capacity from that previously approved for the same project.
- Proposed acquisition by an existing limited partner of an additional interest in a project resulting in a total interest of 25 percent or more or proposed acquisition by a corporate stockholder of an additional interest in a project resulting in a total interest of 10 percent or more.
- Projects with U.S.D.A., Farmers Home Administration, or with state or local government housing finance agencies that include rental assistance under Section 8 of the Housing Act of 1937. For projects of this type, form HUD-2530 should be filed with the appropriate applications directly to those agencies.

**Review of Adverse Determination:** If approval of your participation in a HUD project is denied, withheld, or conditionally granted on the basis of your record of previous participation, you will be notified by the HUD Office. You may request reconsideration by the HUD Review Committee. Alternatively, you may request a hearing before a Hearing Officer. Either request must be made in writing within 30 days from your receipt of the notice of determination.

If you do request reconsideration by the Review Committee and the reconsideration results in an adverse determination, you may then request a hearing before a Hearing Officer. The Hearing Officer will issue a report to the Review Committee. You will be notified of the final ruling by certified mail.

#### Specific Line Instructions:

**Reason for submitting** this Certification: e.g., refinance, change in ownership, change in management agent, transfer of physical assets, etc.

**Block 1:** Fill in the name of the agency to which you are applying. For example: HUD Office, Farmers Home Administration District office, or the name of a State or local housing finance agency. Below that, fill in the name of the city where the office is located.

**Block 2:** Fill in the name of the project, such as "Greenwood Apts." If the name has not yet been selected, write "Name unknown." Below that, enter the HUD contract or project identification number, the Farmers Home Administration project number, or the State or local housing finance agency project or contract number. Include **all** project or contract

identification numbers that are relevant to the project. Also enter the name of the city in which the project is located, and the ZIP Code.

**Block 3:** Fill in the dollar amount requested in the proposed mortgage, or the annual amount of rental assistance requested.

**Block 4:** Fill in the number of apartment units proposed, such as "40 units." For hospital projects or nursing homes, fill in the number of beds proposed, such as "100 beds."

**Block 5:** Fill in the section of the Housing Act under which the application is filed.

**Block 7:** Definitions of all those who are considered principals and affiliates are given above in the section titled "Who Must Sign and File...."

**Block 8:** Beside the name of each principal, fill in the appropriate role. The following are examples of possible roles that the principals may assume: Owner/Mortgagor, Managing Agent, Sponsor, Developer, General Con-tractor, Packager, Consultant, Nursing Home Administrator etc.

**Block 9:** Fill in the Social Security Number or IRS employer number of every principal listed, including affiliates.

#### Instructions for Completing Schedule A:

Be sure that Schedule A is filled-in completely, accurately and the certification is properly dated and signed, because it will serve as a legal record of your previous experience. All Multifamily Housing projects involving HUD/ FmHA, and State and local Housing Finance Agencies in which you have previously participated **must be** listed. Applicants are reminded that previous participation pertains to the individual principal within an entity as well as the entity itself. A newly formed company may not have previous participation, but the principals within the company may have had extensive participation and disclosure of that activity is required.

**Column 2. All previous projects must be listed or your certification cannot be processed.** Include the name of all projects, project number, city where it is located and the governmental agency (HUD, USDA-FmHA or state or local housing finance agency) that was involved.

**Column 3.** List the role(s) as a principal, dates participated and if fee or identity of interest (IOI) with owners.

**Column 4.** Indicate the current status of the loan. Except for current loan, the date associated with the status is required. Loans under a workout arrangement are considered assigned. For all noncurrent loans, an explanation of the status is required.

**Column 5.** Explain any project defaults during your participation.

**Column 6.** Provide the latest Management Review (MOR) rating and Physical Inspection score.

**Certification:** After you have completed all other parts of

form HUD-2530, including schedule A, read the Certification carefully. In the box below the statement of the certification, fill in the names of all principals and affiliates as listed in block 7. Each principal should sign the certification with the exception in some cases of individuals associated with a corporation (see "Exception for Corporations" in the section of the instructions titled "Who Must Sign and File Form HUD-2530). Principal who is signing on behalf of the entity should attach signature authority document. Each principal who signs the form should fill in the date of the signature and

a telephone number. By providing a telephone number, HUD can reach you in the event of any questions.

If you cannot certify and sign the certification as it is printed because some statements do not correctly describe your record, use a pen to strike through those parts that differ with your record, and then sign and certify.

Attach a signed statement of explanation of the items you have struck out on the certification. Item 2e. relates to felony convictions within the past 10 years. If you are convicted of

a felony within the past 10 years, strike out 2e. and attach statement of explanation. A felony conviction will not necessarily cause your participation to be disapproved unless there is a criminal record or other evidence that your previous conduct or method of doing business has been such that your participation in the project would make it an unacceptable risk from the underwriting stand point of an insurer, lender or governmental agency.

The Department of Housing and Urban Development (HUD) is authorized to collect this information by law (42 U.S.C. 3535(d) and 24 C.F.R. 200.217) and by regulation at 24 CFR 200.210. This information is needed so that principals applying to participate in multifamily programs can become HUD-approved participants. The information you provide will enable HUD to evaluate your record with respect to established standards of performance, responsibility and eligibility. Without prior approval, a principal may not participate in a proposed or existing multifamily project. HUD uses this information to evaluate whether or not principals pose an unsatisfactory underwriting risk. The information is used to evaluate the potential principals and approve only individuals and organizations that will honor their legal, financial and contractual obligations.

**Privacy Act Statement:** The Housing and Community Development Act of 1987, 42 U.S.C. 3543 requires persons applying for a Federally-insured or guaranteed loan to furnish his/her Social Security Number (SSN). HUD must have your SSN for identification of your records. HUD may use your SSN for automated processing of your records and to make requests for information about you and your previous records with other public agencies and private sector sources. HUD may disclose certain information to Federal, State and local agencies when relevant to civil, criminal, or regulatory investigations and prosecutions. It will not be otherwise disclosed or released outside of HUD, except as required and permitted by law. You must provide all of the information requested in this application, including your SSN.

**Public reporting burden** for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This agency may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

A response is mandatory. Failure to provide any of the information will result in your disapproval of participation in this HUD program.

If the business owned by the individual or partnership is conducted under a trade or assumed name, a certified copy of doing business under an assumed name should be annexed.

**Acknowledgment of Principal, if a Corporation**

State of \_\_\_\_\_ ) S.S.  
County of \_\_\_\_\_ )  
On this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ before me personally appeared \_\_\_\_\_  
\_\_\_\_\_ To me known, who, being by me duly sworn, did depose and say that he/she  
resides at \_\_\_\_\_, that he/she is the \_\_\_\_\_  
of \_\_\_\_\_ The corporation described in and which executed the foregoing  
instrument; that he/she knows the seal of said corporation; that one of the seals affixed to said instrument is  
such seal; that it was so affixed by order of the director of said corporation and that he/she signed his name  
thereto by like order.

\_\_\_\_\_  
Signature of Principal

\_\_\_\_\_  
Notary Public

**Acknowledgment of Principal, if a Partnership**

State of \_\_\_\_\_ ) S.S.  
County of \_\_\_\_\_ )  
On this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ before me personally appeared \_\_\_\_\_  
\_\_\_\_\_ To me known and known to me to be one of the members of the firm of  
\_\_\_\_\_, described in and who executed the foregoing instrument and  
he/she acknowledged to me that he/she executed the same as and for the act of said firm.

\_\_\_\_\_  
Signature of Partner

\_\_\_\_\_  
Notary Public

**Acknowledgment of Principal, if an Individual**

State of \_\_\_\_\_ ) S.S.  
County of \_\_\_\_\_ )  
On this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ before me personally appeared \_\_\_\_\_  
\_\_\_\_\_ To me known and known to me to be the person described in and who executed  
the foregoing instrument and acknowledged the same.

\_\_\_\_\_  
Signature of Owner

\_\_\_\_\_  
Notary Public

If bidder is a firm, state here the name and residence of each member thereof.

**Name of Partners**

**Residence Address**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**Affidavit of Non-Collusion**

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) S.S.  
City of \_\_\_\_\_ )

\_\_\_\_\_ Being first duly sworn deposes and says: that he/she is \_\_\_\_\_  
(Printed Name) (Title)

of \_\_\_\_\_ the party making the foregoing proposal or bid, that such bid is  
(Company Name)  
genuine and not collusive or sham that said bidder has not colluded, conspired, connived, or agreed directly or indirectly, with any bid, bidder, or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly, or indirectly, sought by agreement or collusion, or communication or conference with any person to fix the bid price of afficant or any other bidder, or to fix any overhead, profit, or cost element of said bid price, or of that of any bidder or to secure any advantage against the Rochester Housing Authority or any person interested in the proposed contract and that all statements contained in said proposal or bid are true.

Each bidder that contacts the Rochester Housing Authority (RHA) during the restricted period of a proposal or bid shall only make contact with the individuals stated in the bidding paperwork provided by RHA or contact those referred to by an individual stated in the RHA bidding paperwork. Contact to any other employee, officer, or member of the RHA regarding a bid or proposal during the restricted period is in violation of New York State – State Finance Laws Section 139-j and 139-k. The “restricted period” of a bidding opportunity is the period of time commencing with the earliest written notice or advertisement and ending with the final contract award written notification provided by RHA. By signing this affidavit the bidder understands of and agrees to comply with the RHA's procedures relating to permissible contacts during a governmental procurement pursuant to New York State Finance Laws Section 139-j and 139-k, that all information provided to the RHA with respect to these sections is complete, true, and accurate. In the event such certification is found to be intentionally false, intentionally incomplete, or does not disclose the determination of being non-responsible by any other governmental entity for violating similar regulations over the previous four years then the RHA reserves the right to terminate any contracts awarded to such bidder.

\_\_\_\_\_  
Signature of Bidder

\_\_\_\_\_  
Date

Subscribed and sworn to this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Notary Public

If oath is taken outside of New York State, a County Clerk's Certificate as to the authority of the officer administering the oath must be attached.

**U.S. Department of Housing and  
Urban Development**  
Office of Public and Indian Housing

**Instructions to Bidders for Contracts  
Public and Indian Housing Programs**

# Instructions to Bidders for Contracts

## Public and Indian Housing Programs

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### 1. Bid Preparation and Submission

(a) Bidders are expected to examine the specifications, drawings, all instructions, and, if applicable, the construction site (see also the contract clause entitled **Site Investigation and Conditions Affecting the Work** of the *General Conditions of the Contract for Construction*). Failure to do so will be at the bidders' risk.

(b) All bids must be submitted on the forms provided by the Public Housing Agency/Indian Housing Authority (PHA/IHA). Bidders shall furnish all the information required by the solicitation. Bids must be signed and the bidder's name typed or printed on the bid sheet and each continuation sheet which requires the entry of information by the bidder. Erasures or other changes must be initialed by the person signing the bid. Bids signed by an agent shall be accompanied by evidence of that agent's authority. (Bidders should retain a copy of their bid for their records.)

(c) Bidders must submit as part of their bid a completed form HUD-5369-A, "Representations, Certifications, and Other Statements of Bidders."

(d) All bid documents shall be sealed in an envelope which shall be clearly marked with the words "Bid Documents," the Invitation for Bids (IFB) number, any project or other identifying number, the bidder's name, and the date and time for receipt of bids.

(e) If this solicitation requires bidding on all items, failure to do so will disqualify the bid. If bidding on all items is not required, bidders should insert the words "No Bid" in the space provided for any item on which no price is submitted.

(f) Unless expressly authorized elsewhere in this solicitation, alternate bids will not be considered.

(g) Unless expressly authorized elsewhere in this solicitation, bids submitted by telegraph or facsimile (fax) machines will not be considered.

(h) If the proposed contract is for a Mutual Help project (as described in 24 CFR Part 905, Subpart E) that involves Mutual Help contributions of work, material, or equipment, supplemental information regarding the bid advertisement is provided as an attachment to this solicitation.

### 2. Explanations and Interpretations to Prospective Bidders

(a) Any prospective bidder desiring an explanation or interpretation of the solicitation, specifications, drawings, etc., must request it at least 7 days before the scheduled time for bid opening. Requests may be oral or written. Oral requests must be confirmed in writing. The only oral clarifications that will be provided will be those clearly related to solicitation procedures, i.e., not substantive technical information. No other oral explanation or interpretation will be provided. Any information given a prospective bidder concerning this solicitation will be furnished promptly to all other prospective bidders as a written amendment to the solicitation, if that information is necessary in submitting bids, or if the lack of it would be prejudicial to other prospective bidders.

(b) Any information obtained by, or provided to, a bidder other than by formal amendment to the solicitation shall not constitute a change to the solicitation.

### 3. Amendments to Invitations for Bids

(a) If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.

(b) Bidders shall acknowledge receipt of any amendment to this solicitation (1) by signing and returning the amendment, (2) by identifying the amendment number and date on the bid form, or (3) by letter, telegram, or facsimile, if those methods are authorized in the solicitation. The PHA/IHA must receive acknowledgement by the time and at the place specified for receipt of bids. Bids which fail to acknowledge the bidder's receipt of any amendment will result in the rejection of the bid if the amendment(s) contained information which substantively changed the PHA's/IHA's requirements.

(c) Amendments will be on file in the offices of the PHA/IHA and the Architect at least 7 days before bid opening.

### 4. Responsibility of Prospective Contractor

(a) The PHA/IHA will award contracts only to responsible prospective contractors who have the ability to perform successfully under the terms and conditions of the proposed contract. In determining the responsibility of a bidder, the PHA/IHA will consider such matters as the bidder's:

- (1) Integrity;
- (2) Compliance with public policy;
- (3) Record of past performance; and
- (4) Financial and technical resources (including construction and technical equipment).

(b) Before a bid is considered for award, the bidder may be requested by the PHA/IHA to submit a statement or other documentation regarding any of the items in paragraph (a) above. Failure by the bidder to provide such additional information shall render the bidder nonresponsible and ineligible for award.

## 5. Late Submissions, Modifications, and Withdrawal of Bids

(a) Any bid received at the place designated in the solicitation after the exact time specified for receipt will not be considered unless it is received before award is made and it:

(1) Was sent by registered or certified mail not later than the fifth calendar day before the date specified for receipt of offers (e.g., an offer submitted in response to a solicitation requiring receipt of offers by the 20th of the month must have been mailed by the 15th);

(2) Was sent by mail, or if authorized by the solicitation, was sent by telegram or via facsimile, and it is determined by the PHA/IHA that the late receipt was due solely to mishandling by the PHA/IHA after receipt at the PHA/IHA; or

(3) Was sent by U.S. Postal Service Express Mail Next Day Service - Post Office to Addressee, not later than 5:00 p.m. at the place of mailing two working days prior to the date specified for receipt of proposals. The term "working days" excludes weekends and observed holidays.

(b) Any modification or withdrawal of a bid is subject to the same conditions as in paragraph (a) of this provision.

(c) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent either by registered or certified mail is the U.S. or Canadian Postal Service postmark both on the envelope or wrapper and on the original receipt from the U.S. or Canadian Postal Service. Both postmarks must show a legible date or the bid, modification, or withdrawal shall be processed as if mailed late. "Postmark" means a printed, stamped, or otherwise placed impression (exclusive of a postage meter machine impression) that is readily identifiable without further action as having been supplied and affixed by employees of the U.S. or Canadian Postal Service on the date of mailing. Therefore, bidders should request the postal clerk to place a hand cancellation bull's-eye postmark on both the receipt and the envelope or wrapper.

(d) The only acceptable evidence to establish the time of receipt at the PHA/IHA is the time/date stamp of PHA/IHA on the proposal wrapper or other documentary evidence of receipt maintained by the PHA/IHA.

(e) The only acceptable evidence to establish the date of mailing of a late bid, modification, or withdrawal sent by Express Mail Next Day Service-Post Office to Addressee is the date entered by the post office receiving clerk on the "Express Mail Next Day Service-Post Office to Addressee" label and the postmark on both the envelope or wrapper and on the original receipt from the U.S. Postal Service. "Postmark" has the same meaning as defined in paragraph (c) of this provision, excluding postmarks of the Canadian Postal Service. Therefore, bidders should request the postal clerk to place a legible hand cancellation bull's eye postmark on both the receipt and Failure by a bidder to acknowledge receipt of the envelope or wrapper.

(f) Notwithstanding paragraph (a) of this provision, a late modification of an otherwise successful bid that makes its terms more favorable to the PHA/IHA will be considered at any time it is received and may be accepted.

(g) Bids may be withdrawn by written notice, or if authorized by this solicitation, by telegram (including mailgram) or facsimile machine transmission received at any time before the exact time set for opening of bids; provided that written confirmation of telegraphic or facsimile withdrawals over the signature of the bidder is mailed and postmarked prior to the specified bid opening time. A bid may be withdrawn in person by a bidder or its authorized representative if, before the exact time set for opening of bids, the identity of the person requesting withdrawal is established and the person signs a receipt for the bid.

## 6. Bid Opening

All bids received by the date and time of receipt specified in the solicitation will be publicly opened and read. The time and place of opening will be as specified in the solicitation. Bidders and other interested persons may be present.

## 7. Service of Protest

(a) Definitions. As used in this provision:

"Interested party" means an actual or prospective bidder whose direct economic interest would be affected by the award of the contract.

"Protest" means a written objection by an interested party to this solicitation or to a proposed or actual award of a contract pursuant to this solicitation.

(b) Protests shall be served on the Contracting Officer by obtaining written and dated acknowledgement from —

[Contracting Officer designate the official or location where a protest may be served on the Contracting Officer]

(c) All protests shall be resolved in accordance with the PHA's/IHA's protest policy and procedures, copies of which are maintained at the PHA/IHA.

## 8. Contract Award

(a) The PHA/IHA will evaluate bids in response to this solicitation without discussions and will award a contract to the responsible bidder whose bid, conforming to the solicitation, will be most advantageous to the PHA/IHA considering only price and any price-related factors specified in the solicitation.

(b) If the apparent low bid received in response to this solicitation exceeds the PHA's/IHA's available funding for the proposed contract work, the PHA/IHA may either accept separately priced items (see 8(e) below) or use the following procedure to determine contract award. The PHA/IHA shall apply in turn to each bid (proceeding in order from the apparent low bid to the high bid) each of the separately priced bid deductible items, if any, in their priority order set forth in this solicitation. If upon the application of the first deductible item to all initial bids, a new low bid is within the PHA's/IHA's available funding, then award shall be made to that bidder. If no bid is within the available funding amount, then the PHA/IHA shall apply the second deductible item. The PHA/IHA shall continue this process until an evaluated low bid, if any, is within the PHA's/IHA's available funding. If upon the application of all deductibles, no bid is within the PHA's/IHA's available funding, or if the solicitation does not request separately priced deductibles, the PHA/IHA shall follow its written policy and procedures in making any award under this solicitation.

(c) In the case of tie low bids, award shall be made in accordance with the PHA's/IHA's written policy and procedures.

(d) The PHA/IHA may reject any and all bids, accept other than the lowest bid (e.g., the apparent low bid is unreasonably low), and waive informalities or minor irregularities in bids received, in accordance with the PHA's/IHA's written policy and procedures.

(e) Unless precluded elsewhere in the solicitation, the PHA/IHA may accept any item or combination of items bid.

(f) The PHA/IHA may reject any bid as nonresponsive if it is materially unbalanced as to the prices for the various items of work to be performed. A bid is materially unbalanced when it is based on prices significantly less than cost for some work and prices which are significantly overstated for other work.

(g) A written award shall be furnished to the successful bidder within the period for acceptance specified in the bid and shall result in a binding contract without further action by either party.

**9. Bid Guarantee (applicable to construction and equipment contracts exceeding \$25,000)**

All bids must be accompanied by a negotiable bid guarantee which shall not be less than five percent (5%) of the amount of the bid. The bid guarantee may be a certified check, bank draft, U.S. Government Bonds at par value, or a bid bond secured by a surety company acceptable to the U.S. Government and authorized to do business in the state where the work is to be performed. In the case where the work under the contract will be performed on an Indian reservation area, the bid guarantee may also be an irrevocable Letter of Credit (see provision 10, Assurance of Completion, below). Certified checks and bank drafts must be made payable to the order of the PHA/IHA. The bid guarantee shall insure the execution of the contract and the furnishing of a method of assurance of completion by the successful bidder as required by the solicitation. Failure to submit a bid guarantee with the bid shall result in the rejection of the bid. Bid guarantees submitted by unsuccessful bidders will be returned as soon as practicable after bid opening.

**10. Assurance of Completion**

(a) Unless otherwise provided in State law, the successful bidder shall furnish an assurance of completion prior to the execution of any contract under this solicitation. This assurance may be [Contracting Officer check applicable items] —

(1) a performance and payment bond in a penal sum of 100 percent of the contract price; or, as may be required or permitted by State law;

(2) separate performance and payment bonds, each for 50 percent or more of the contract price;

(3) a 20 percent cash escrow;

(4) a 25 percent irrevocable letter of credit; or,

(5) an irrevocable letter of credit for 10 percent of the total contract price with a monitoring and disbursements agreement with the IHA (applicable only to contracts awarded by an IHA under the Indian Housing Program).

(b) Bonds must be obtained from guarantee or surety companies acceptable to the U.S. Government and authorized to do business in the state where the work is to be performed. Individual sureties will not be considered. U.S. Treasury Circular Number 570, published annually in the Federal Register, lists companies approved to act as sureties on bonds securing Government contracts, the maximum underwriting limits on each contract bonded, and the States in which the company is licensed to do business. Use of companies listed in this circular is mandatory. Copies of the circular may be downloaded on the U.S. Department of Treasury website <http://www.fms.treas.gov/c570/index.html>, or ordered for a minimum fee by contacting the Government Printing Office at (202) 512-2168.

(c) Each bond shall clearly state the rate of premium and the total amount of premium charged. The current power of attorney for the person who signs for the surety company must be attached to the bond. The effective date of the power of attorney shall not precede the date of the bond. The effective date of the bond shall be on or after the execution date of the contract.

(d) Failure by the successful bidder to obtain the required assurance of completion within the time specified, or within such extended period as the PHA/IHA may grant based upon reasons determined adequate by the PHA/IHA, shall render the bidder ineligible for award. The PHA/IHA may then either award the contract to the next lowest responsible bidder or solicit new bids. The PHA/IHA may retain the ineligible bidder's bid guarantee.

**11. Preconstruction Conference (applicable to construction contracts)**

After award of a contract under this solicitation and prior to the start of work, the successful bidder will be required to attend a preconstruction conference with representatives of the PHA/IHA and its architect/engineer, and other interested parties convened by the PHA/IHA. The conference will serve to acquaint the participants with the general plan of the construction operation and all other requirements of the contract (e.g., Equal Employment Opportunity, Labor Standards). The PHA/IHA will provide the successful bidder with the date, time, and place of the conference.

**12. Indian Preference Requirements (applicable only if this solicitation is for a contract to be performed on a project for an Indian Housing Authority)**

(a) HUD has determined that the contract awarded under this solicitation is subject to the requirements of section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e(b)). Section 7(b) requires that any contract or subcontract entered into for the benefit of Indians shall require that, to the greatest extent feasible

(1) Preferences and opportunities for training and employment (other than core crew positions; see paragraph (h) below) in connection with the administration of such contracts or subcontracts be given to qualified "Indians." The Act defines "Indians" to mean persons who are members of an Indian tribe and defines "Indian tribe" to mean any Indian tribe, band, nation, or other organized group or community, including any Alaska Native village or regional or village corporation as defined in or established pursuant to the Alaska Native Claims Settlement Act, which is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians; and,

(2) Preference in the award of contracts or subcontracts in connection with the administration of contracts be given to Indian organizations and to Indian-owned economic enterprises, as defined in section 3 of the Indian Financing Act of 1974 (25 U.S.C. 1452). That Act defines "economic enterprise" to mean any Indian-owned commercial, industrial, or business activity established or organized for the purpose of profit, except that the Indian ownership must constitute not less than 51 percent of the enterprise; "Indian organization" to mean the governing body of any Indian tribe or entity established or recognized by such governing body; "Indian" to mean any person who is a member of any tribe, band, group, pueblo, or community which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs and any "Native" as defined in the Alaska Native Claims Settlement Act; and Indian "tribe" to mean any Indian tribe, band, group, pueblo, or community including Native villages and Native groups (including

corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act, which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs.

(b) (1) The successful Contractor under this solicitation shall comply with the requirements of this provision in awarding all subcontracts under the contract and in providing training and employment opportunities.

(2) A finding by the IHA that the contractor, either (i) awarded a subcontract without using the procedure required by the IHA, (ii) falsely represented that subcontracts would be awarded to Indian enterprises or organizations; or, (iii) failed to comply with the contractor's employment and training preference bid statement shall be grounds for termination of the contract or for the assessment of penalties or other remedies.

(c) If specified elsewhere in this solicitation, the IHA may restrict the solicitation to qualified Indian-owned enterprises and Indian organizations. If two or more (or a greater number as specified elsewhere in the solicitation) qualified Indian-owned enterprises or organizations submit responsive bids, award shall be made to the qualified enterprise or organization with the lowest responsive bid. If fewer than the minimum required number of qualified Indian-owned enterprises or organizations submit responsive bids, the IHA shall reject all bids and readvertise the solicitation in accordance with paragraph (d) below.

(d) If the IHA prefers not to restrict the solicitation as described in paragraph (c) above, or if after having restricted a solicitation an insufficient number of qualified Indian enterprises or organizations submit bids, the IHA may advertise for bids from non-Indian as well as Indian-owned enterprises and Indian organizations. Award shall be made to the qualified Indian enterprise or organization with the lowest responsive bid if that bid is -

(1) Within the maximum HUD-approved budget amount established for the specific project or activity for which bids are being solicited; and

(2) No more than the percentage specified in 24 CFR 905.175(c) higher than the total bid price of the lowest responsive bid from any qualified bidder. If no responsive bid by a qualified Indian-owned economic enterprise or organization is within the stated range of the total bid price of the lowest responsive bid from any qualified enterprise, award shall be made to the bidder with the lowest bid.

(e) Bidders seeking to qualify for preference in contracting or subcontracting shall submit proof of Indian ownership with their bids. Proof of Indian ownership shall include but not be limited to:

(1) Certification by a tribe or other evidence that the bidder is an Indian. The IHA shall accept the certification of a tribe that an individual is a member.

(2) Evidence such as stock ownership, structure, management, control, financing and salary or profit sharing arrangements of the enterprise.

(f) (1) All bidders must submit with their bids a statement describing how they will provide Indian preference in the award of subcontracts. The specific requirements of that statement and the factors to be used by the IHA in determining the statement's adequacy are included as an attachment to this solicitation. Any bid that fails to include the required statement shall be rejected as nonresponsive. The IHA may require that comparable statements be provided by subcontractors to the successful Contractor, and may require the Contractor to reject any bid or proposal by a subcontractor that fails to include the statement.

(2) Bidders and prospective subcontractors shall submit a certification (supported by credible evidence) to the IHA in any instance where the bidder or subcontractor believes it is infeasible to provide Indian preference in subcontracting. The acceptance or rejection by the IHA of the certification shall be final. Rejection shall disqualify the bid from further consideration.

(g) All bidders must submit with their bids a statement detailing their employment and training opportunities and their plans to provide preference to Indians in implementing the contract; and the number or percentage of Indians anticipated to be employed and trained. Comparable statements from all proposed subcontractors must be submitted. The criteria to be used by the IHA in determining the statement(s)'s adequacy are included as an attachment to this solicitation. Any bid that fails to include the required statement(s), or that includes a statement that does not meet minimum standards required by the IHA shall be rejected as nonresponsive.

(h) Core crew employees. A core crew employee is an individual who is a bona fide employee of the contractor at the time the bid is submitted; or an individual who was not employed by the bidder at the time the bid was submitted, but who is regularly employed by the bidder in a supervisory or other key skilled position when work is available. Bidders shall submit with their bids a list of all core crew employees.

(i) Preference in contracting, subcontracting, employment, and training shall apply not only on-site, on the reservation, or within the IHA's jurisdiction, but also to contracts with firms that operate outside these areas (e.g., employment in modular or manufactured housing construction facilities).

(j) Bidders should contact the IHA to determine if any additional local preference requirements are applicable to this solicitation.

(k) The IHA [ ] does [ ] does not [Contracting Officer check applicable box] maintain lists of Indian-owned economic enterprises and Indian organizations by specialty (e.g., plumbing, electrical, foundations), which are available to bidders to assist them in meeting their responsibility to provide preference in connection with the administration of contracts and subcontracts.

**U.S. Department of Housing  
and Urban Development**  
Office of Public and Indian Housing

**Representations, Certifications,  
and Other Statements of Bidders**  
**Public and Indian Housing Programs**

# Representations, Certifications, and Other Statements of Bidders

## Public and Indian Housing Programs

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### 1. Certificate of Independent Price Determination

#### (a) The bidder certifies that--

(1) The prices in this bid have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other bidder or competitor relating to (i) those prices, (ii) the intention to submit a bid, or (iii) the methods or factors used to calculate the prices offered;

(2) The prices in this bid have not been and will not be knowingly disclosed by the bidder, directly or indirectly, to any other bidder or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a competitive proposal solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the bidder to induce any other concern to submit or not to submit a bid for the purpose of restricting competition.

(b) Each signature on the bid is considered to be a certification by the signatory that the signatory--

(1) Is the person in the bidder's organization responsible for determining the prices being offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above.

\_\_\_\_\_ [insert full name of person(s) in the bidder's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the bidder's organization];

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) above.

(c) If the bidder deletes or modifies subparagraph (a)2 above, the bidder must furnish with its bid a signed statement setting forth in detail the circumstances of the disclosure.

[ ] [Contracting Officer check if following paragraph is applicable]

(d) Non-collusive affidavit. (applicable to contracts for construction and equipment exceeding \$50,000)

(1) Each bidder shall execute, in the form provided by the PHA/IHA, an affidavit to the effect that he/she has not colluded with any other person, firm or corporation in regard to any bid submitted in response to this solicitation. If the successful bidder did not submit the affidavit with his/her bid, he/she must submit it within three (3) working days of bid opening. Failure to submit the affidavit by that date may render the bid nonresponsive. No contract award will be made without a properly executed affidavit.

(2) A fully executed "Non-collusive Affidavit" [ ] is, [ ] is not included with the bid.

### 2. Contingent Fee Representation and Agreement

(a) Definitions. As used in this provision:

"Bona fide employee" means a person, employed by a bidder and subject to the bidder's supervision and control as to time, place, and manner of performance, who neither exerts, nor proposes to exert improper influence to solicit or obtain contracts nor holds out as being able to obtain any contract(s) through improper influence.

"Improper influence" means any influence that induces or tends to induce a PHA/IHA employee or officer to give consideration or to act regarding a PHA/IHA contract on any basis other than the merits of the matter.

(b) The bidder represents and certifies as part of its bid that, except for full-time bona fide employees working solely for the bidder, the bidder:

(1) [ ] has, [ ] has not employed or retained any person or company to solicit or obtain this contract; and

(2) [ ] has, [ ] has not paid or agreed to pay to any person or company employed or retained to solicit or obtain this contract any commission, percentage, brokerage, or other fee contingent upon or resulting from the award of this contract.

(c) If the answer to either (a)(1) or (a)(2) above is affirmative, the bidder shall make an immediate and full written disclosure to the PHA/IHA Contracting Officer.

(d) Any misrepresentation by the bidder shall give the PHA/IHA the right to (1) terminate the contract; (2) at its discretion, deduct from contract payments the amount of any commission, percentage, brokerage, or other contingent fee; or (3) take other remedy pursuant to the contract.

### 3. Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (applicable to contracts exceeding \$100,000)

(a) The definitions and prohibitions contained in Section 1352 of title 31, United States Code, are hereby incorporated by reference in paragraph (b) of this certification.



(b) The bidder, by signing its bid, hereby certifies to the best of his or her knowledge and belief as of December 23, 1989 that:

(1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with the awarding of a contract resulting from this solicitation;

(2) If any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on his or her behalf in connection with this solicitation, the bidder shall complete and submit, with its bid, OMB standard form LLL, "Disclosure of Lobbying Activities;" and

(3) He or she will include the language of this certification in all subcontracts at any tier and require that all recipients of subcontract awards in excess of \$100,000 shall certify and disclose accordingly.

(c) Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by section 1352, title 31, United States Code. Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure form to be filed or amended by this provision, shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

(d) Indian tribes (except those chartered by States) and Indian organizations as defined in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450B) are exempt from the requirements of this provision.

#### 4. Organizational Conflicts of Interest Certification

The bidder certifies that to the best of its knowledge and belief and except as otherwise disclosed, he or she does not have any organizational conflict of interest which is defined as a situation in which the nature of work to be performed under this proposed contract and the bidder's organizational, financial, contractual, or other interests may, without some restriction on future activities:

- (a) Result in an unfair competitive advantage to the bidder; or,
- (b) Impair the bidder's objectivity in performing the contract work.

[ ] In the absence of any actual or apparent conflict, I hereby certify that to the best of my knowledge and belief, no actual or apparent conflict of interest exists with regard to my possible performance of this procurement.

#### 5. Bidder's Certification of Eligibility

(a) By the submission of this bid, the bidder certifies that to the best of its knowledge and belief, neither it, nor any person or firm which has an interest in the bidder's firm, nor any of the bidder's subcontractors, is ineligible to:

(1) Be awarded contracts by any agency of the United States Government, HUD, or the State in which this contract is to be performed; or,

(2) Participate in HUD programs pursuant to 24 CFR Part 24.

(b) The certification in paragraph (a) above is a material representation of fact upon which reliance was placed when making award. If it is later determined that the bidder knowingly rendered an erroneous certification, the contract may be terminated for default, and the bidder may be debarred or suspended from participation in HUD programs and other Federal contract programs.

#### 6. Minimum Bid Acceptance Period

(a) "Acceptance period," as used in this provision, means the number of calendar days available to the PHA/IHA for awarding a contract from the date specified in this solicitation for receipt of bids.

(b) This provision supersedes any language pertaining to the acceptance period that may appear elsewhere in this solicitation.

(c) The PHA/IHA requires a minimum acceptance period of [Contracting Officer insert time period] calendar days.

(d) In the space provided immediately below, bidders may specify a longer acceptance period than the PHA's/IHA's minimum requirement. The bidder allows the following acceptance period: calendar days.

(e) A bid allowing less than the PHA's/IHA's minimum acceptance period will be rejected.

(f) The bidder agrees to execute all that it has undertaken to do, in compliance with its bid, if that bid is accepted in writing within (1) the acceptance period stated in paragraph (c) above or (2) any longer acceptance period stated in paragraph (d) above.

#### 7. Small, Minority, Women-Owned Business Concern Representation

The bidder represents and certifies as part of its bid/ offer that it --

(a) [ ] is, [ ] is not a small business concern. "Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding, and qualified as a small business under the criteria and size standards in 13 CFR 121.

(b) [ ] is, [ ] is not a women-owned business enterprise. "Women-owned business enterprise," as used in this provision, means a business that is at least 51 percent owned by a woman or women who are U.S. citizens and who also control and operate the business.

(c) [ ] is, [ ] is not a minority business enterprise. "Minority business enterprise," as used in this provision, means a business which is at least 51 percent owned or controlled by one or more minority group members or, in the case of a publicly owned business, at least 51 percent of its voting stock is owned by one or more minority group members, and whose management and daily operations are controlled by one or more such individuals. For the purpose of this definition, minority group members are:

(Check the block applicable to you)

- |                        |                              |
|------------------------|------------------------------|
| [ ] Black Americans    | [ ] Asian Pacific Americans  |
| [ ] Hispanic Americans | [ ] Asian Indian Americans   |
| [ ] Native Americans   | [ ] Hasidic Jewish Americans |

#### 8. Indian-Owned Economic Enterprise and Indian Organization Representation (applicable only if this solicitation is for a contract to be performed on a project for an Indian Housing Authority)

The bidder represents and certifies that it:

(a) [ ] is, [ ] is not an Indian-owned economic enterprise. "Economic enterprise," as used in this provision, means any commercial, industrial, or business activity established or organized for the purpose of profit, which is at least 51 percent Indian owned. "Indian," as used in this provision, means any person who is a member of any tribe, band, group, pueblo, or community which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs and any "Native" as defined in the Alaska Native Claims Settlement Act.

(b) [ ] is, [ ] is not an Indian organization. "Indian organization," as used in this provision, means the governing body of any Indian tribe or entity established or recognized by such governing body. Indian "tribe" means any Indian tribe, band, group, pueblo, or

community including Native villages and Native groups (including corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act, which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs.

**9. Certification of Eligibility Under the Davis-Bacon Act** (applicable to construction contracts exceeding \$2,000)

(a) By the submission of this bid, the bidder certifies that neither it nor any person or firm who has an interest in the bidder's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(b) No part of the contract resulting from this solicitation shall be subcontracted to any person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(c) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.

**10. Certification of Nonsegregated Facilities** (applicable to contracts exceeding \$10,000)

(a) The bidder's attention is called to the clause entitled **Equal Employment Opportunity** of the General Conditions of the Contract for Construction.

(b) "Segregated facilities," as used in this provision, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin because of habit, local custom, or otherwise.

(c) By the submission of this bid, the bidder certifies that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The bidder agrees that a breach of this certification is a violation of the Equal Employment Opportunity clause in the contract.

(d) The bidder further agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) prior to entering into subcontracts which exceed \$10,000 and are not exempt from the requirements of the Equal Employment Opportunity clause, it will:

- (1) Obtain identical certifications from the proposed subcontractors;
- (2) Retain the certifications in its files; and
- (3) Forward the following notice to the proposed subcontractors (except if the proposed subcontractors have submitted identical certifications for specific time periods):

**Notice to Prospective Subcontractors of Requirement for Certifications of Nonsegregated Facilities**

A Certification of Nonsegregated Facilities must be submitted before the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Employment Opportunity clause of the prime contract. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually).

**Note:** The penalty for making false statements in bids is prescribed in 18 U.S.C. 1001.

**11. Clean Air and Water Certification** (applicable to contracts exceeding \$100,000)

The bidder certifies that:

(a) Any facility to be used in the performance of this contract [ ] is, [ ] is not listed on the Environmental Protection Agency List of Violating Facilities:

(b) The bidder will immediately notify the PHA/IHA Contracting Officer, before award, of the receipt of any communication from the Administrator, or a designee, of the Environmental Protection Agency, indicating that any facility that the bidder proposes to use for the performance of the contract is under consideration to be listed on the EPA List of Violating Facilities; and,

(c) The bidder will include a certification substantially the same as this certification, including this paragraph (c), in every nonexempt subcontract.

**12. Previous Participation Certificate** (applicable to construction and equipment contracts exceeding \$50,000)

(a) The bidder shall complete and submit with his/her bid the Form HUD-2530, "Previous Participation Certificate." If the successful bidder does not submit the certificate with his/her bid, he/she must submit it within three (3) working days of bid opening. Failure to submit the certificate by that date may render the bid nonresponsive. No contract award will be made without a properly executed certificate.

(b) A fully executed "Previous Participation Certificate" [ ] is, [ ] is not included with the bid.

**13. Bidder's Signature**

The bidder hereby certifies that the information contained in these certifications and representations is accurate, complete, and current.

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Typed or Printed Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Company Address)

# General Conditions for Construction Contracts - Public Housing Programs

U.S. Department of Housing and Urban  
Development  
Office of Public and Indian Housing  
OMB Approval No. 2577-0157 (exp. 11/30/2023)

**Applicability. This form is applicable to any  
construction/development contract greater than \$250,000.**

Public reporting burden for this collection of information is estimated to average 1.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding the accuracy of this burden estimate and any suggestions for reducing this burden can be sent to the Reports Management Officer, Office of Policy Development and Research, REE, Department of Housing and Urban Development, 451 7th St SW, Room 4176, Washington, DC 20410-5000. When providing comments, please refer to OMB Approval No. 2577-0157. This form includes those clauses required by OMB's common rule on grantee procurement, implemented at HUD in 2 CFR 200, and those requirements set forth in Section 3 of the Housing and Urban Development Act of 1968 and its amendment by the Housing and Community Development Act of 1992, implemented by HUD at 24 CFR Part 75. The form is required for construction contracts awarded by Public Housing Agencies (PHAs). The form is used by Housing Authorities in solicitations to provide necessary contract clauses. If the form were not used, PHAs would be unable to enforce their contracts. Responses to the collection of information are required to obtain a benefit or to retain a benefit. The information requested does not lend itself to confidentiality. HUD may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB number.

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## 1. Definitions

- (a) "Architect" means the person or other entity engaged by the PHA to perform architectural, engineering, design, and other services related to the work as provided for in the contract. When a PHA uses an engineer to act in this capacity, the terms "architect" and "engineer" shall be synonymous. The Architect shall serve as a technical representative of the Contracting Officer. The Architect's authority is as set forth elsewhere in this contract.
- (b) "Contract" means the contract entered into between the PHA and the Contractor. It includes the forms of Bid, the Bid Bond, the Performance and Payment Bond or Bonds or other assurance of completion, the Certifications, Representations, and Other Statements of Bidders (form HUD-5370), these General Conditions of the Contract for Construction (form HUD-5370), the applicable wage rate determinations from the U.S. Department of Labor, any special conditions included elsewhere in the contract, the specifications, and drawings. It includes all formal changes to any of those documents by addendum, change order, or other modification.
- (c) "Contracting Officer" means the person delegated the authority by the PHA to enter into, administer, and/or terminate this contract and designated as such in writing to the Contractor. The term includes any successor Contracting Officer and any duly authorized representative of the Contracting Officer also designated in writing. The Contracting Officer shall be deemed the authorized agent of the PHA in all dealings with the Contractor.
- (d) "Contractor" means the person or other entity entering into the contract with the PHA to perform all of the work required under the contract.
- (e) "Drawings" means the drawings enumerated in the schedule of drawings contained in the Specifications and as described in the contract clause entitled Specifications and Drawings for Construction herein.
- (f) "HUD" means the United States of America acting through the Department of Housing and Urban Development including the Secretary, or any other person designated to act on its behalf. HUD has agreed, subject to the provisions of an Annual Contributions Terms and Conditions (ACC), to provide financial assistance to the PHA, which includes assistance in financing the work to be performed under this contract. As defined elsewhere in these General Conditions or the contract documents, the determination of HUD may be required to authorize changes in the work or for release of funds to the PHA for payment to the Contractor. Notwithstanding HUD's role, nothing in this contract shall be construed to create any contractual relationship between the Contractor and HUD.
- (g) "Project" means the entire project, whether construction or rehabilitation, the work for which is provided for in whole or in part under this contract.
- (h) "PHA" means the Public Housing Agency organized under applicable state laws which is a party to this contract.
- (j) "Specifications" means the written description of the technical requirements for construction and includes the criteria and tests for determining whether the requirements are met.
- (l) "Work" means materials, workmanship, and manufacture and fabrication of components.

## 2. Contractor's Responsibility for Work

- (a) The Contractor shall furnish all necessary labor, materials, tools, equipment, and transportation necessary for performance of the work. The Contractor shall also furnish all necessary water, heat, light, and power not made available to the Contractor by the PHA pursuant to the clause entitled Availability and Use of Utility Services herein.
- (b) The Contractor shall perform on the site, and with its own organization, work equivalent to at least [ ] (12 percent unless otherwise indicated) of the total amount of work to be performed under the order. This percentage may be reduced by a supplemental agreement to this order if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the PHA.
- (c) At all times during performance of this contract and until the work is completed and accepted, the Contractor shall directly superintend the work or assign and have on the work site a competent superintendent who is satisfactory to the Contracting Officer and has authority to act for the Contractor.
- (d) The Contractor shall be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence, and shall take proper safety and health precautions to protect the work, the workers, the public, and the property of others. The Contractor shall hold and save the PHA, its officers and agents, free and harmless from liability of any nature occasioned by the Contractor's performance. The Contractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work which may have been accepted under the contract.
- (e) The Contractor shall lay out the work from base lines and bench marks indicated on the drawings and be responsible for all lines, levels, and measurements of all work executed under the contract. The Contractor shall verify the figures before laying out the work and will be held responsible for any error resulting from its failure to do so.
- (f) The Contractor shall confine all operations (including storage of materials) on PHA premises to areas authorized or approved by the Contracting Officer.
- (g) The Contractor shall at all times keep the work area, including storage areas, free from accumulations of waste materials. After completing the work and before final inspection, the Contractor shall (1) remove from the premises all scaffolding, equipment, tools, and materials (including rejected materials) that are not the property of the PHA and all rubbish caused by its work; (2) leave the work area in a clean, neat, and orderly condition satisfactory to the Contracting Officer; (3) perform all specified tests; and, (4) deliver the installation in complete and operating condition.
- (h) The Contractor's responsibility will terminate when all work has been completed, the final inspection made, and the work accepted by the Contracting Officer. The Contractor will then be released from further obligation except as required by the warranties specified elsewhere in the contract.

## 3. Architect's Duties, Responsibilities, and Authority

- (a) The Architect for this contract, and any successor, shall be designated in writing by the Contracting Officer.

- (b) The Architect shall serve as the Contracting Officer's technical representative with respect to architectural, **Schedule** engineering, and design matters related to the work performed under the contract. The Architect may provide direction on contract performance. Such direction shall be within the scope of the contract and may not be of a nature which: (1) institutes additional work outside the scope of the contract; (2) constitutes a change as defined in the Changes clause herein; (3) causes an increase or decrease in the cost of the contract; (4) alters the Construction Progress Schedule; or (5) changes any of the other express terms or conditions of the contract.
- (c) The Architect's duties and responsibilities may include but shall not be limited to:
- (1) Making periodic visits to the work site, and on the basis of his/her on-site inspections, issuing written reports to the PHA which shall include all observed deficiencies. The Architect shall file a copy of the report with the Contractor's designated representative at the site;
  - (2) Making modifications in drawings and technical specifications and assisting the Contracting Officer in the preparation of change orders and other contract modifications for issuance by the Contracting Officer;
  - (3) Reviewing and making recommendations with respect to - (i) the Contractor's construction progress schedules; (ii) the Contractor's shop and detailed drawings; (iii) the machinery, mechanical and other equipment and materials or other articles proposed for use by the Contractor; and, (iv) the Contractor's price breakdown and progress payment estimates; and,
  - (4) Assisting in inspections, signing Certificates of Completion, and making recommendations with respect to acceptance of work completed under the contract.

#### 4. Other Contracts

The PHA may undertake or award other contracts for additional work at or near the site of the work under this contract. The Contractor shall fully cooperate with the other contractors and with PHA employees and shall carefully adapt scheduling and performing the work under this contract to accommodate the additional work, heeding any direction that may be provided by the Contracting Officer. The Contractor shall not commit or permit any act that will interfere with the performance of work by any other contractor or by PHA employees

### Construction Requirements

#### 5. Pre-construction Conference and Notice to Proceed

of the work, and that it has investigated and satisfied itself

- (a) Within ten calendar days of contract execution, and prior to the commencement of work, the Contractor shall attend a preconstruction conference with representatives of the PHA, its Architect, and other interested parties convened by the PHA. The conference will serve to acquaint the participants with the general plan of the construction operation and all other requirements of the contract. The PHA will provide the Contractor with the date, time, and place of the conference.
- (b) The contractor shall begin work upon receipt of a written Notice to Proceed from the Contracting Officer or designee. The Contractor shall not begin work prior to receiving such notice.

#### 6. Construction Progress

- (a) The Contractor shall, within five days after the work commences on the contract or another period of time determined by the Contracting Officer, prepare and submit to the Contracting Officer for approval three copies of a practicable schedule showing the order in which the Contractor proposes to perform the work, and the dates on which the Contractor contemplates starting and completing the several salient features of the work (including acquiring labor, materials, and equipment). The schedule shall be in the form of a progress chart of suitable scale to indicate appropriately the percentage of work scheduled for completion by any given date during the period. If the Contractor fails to submit a schedule within the time prescribed, the Contracting Officer may withhold approval of progress payments or take other remedies under the contract until the Contractor submits the required schedule.
- (b) The Contractor shall enter the actual progress on the chart as required by the Contracting Officer, and immediately deliver three copies of the annotated schedule to the Contracting Officer. If the Contracting Officer determines, upon the basis of inspection conducted pursuant to the clause entitled Inspection and Acceptance of Construction, herein that the Contractor is not meeting the approved schedule, the Contractor shall take steps necessary to improve its progress, including those that may be required by the Contracting Officer, without additional cost to the PHA. In this circumstance, the Contracting Officer may require the Contractor to increase the number of shifts, overtime operations, days of work, and/or the amount of construction plant, and to submit for approval any supplementary schedule or schedules in chart form as the Contracting Officer deems necessary to demonstrate how the approved rate of progress will be regained.
- (c) Failure of the Contractor to comply with the requirements of the Contracting Officer under this clause shall be grounds for a determination by the Contracting Officer that the Contractor is not prosecuting the work with sufficient diligence to ensure completion within the time specified in the Contract. Upon making this determination, the Contracting Officer may terminate the Contractor's right to proceed with the work, or any separable part of it, in accordance with the Default clause of this contract.

#### 7. Site Investigation and Conditions Affecting the Work

- (a) The Contractor acknowledges that it has taken steps reasonably necessary to ascertain the nature and location as to the general and local conditions which can affect the work or its cost, including but not limited to, (1) conditions bearing upon transportation, disposal, handling, and storage of materials; (2) the availability of labor, water, electric power, and roads; (3) uncertainties of weather, river stages, tides, or similar physical conditions at the site; (4) the conformation and conditions of the ground; and (5) the character of equipment and facilities needed preliminary to and during work performance. The Contractor also acknowledges that it has satisfied itself as to the character, quality, and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is

reasonably ascertainable from an inspection of the site, including all exploratory work done by the PHA, as well as from the drawings and specifications made a part of this contract. Any failure of the Contractor to take the actions described and acknowledged in this paragraph will not relieve the Contractor from responsibility for estimating properly the difficulty and cost of successfully performing the work, or for proceeding to successfully perform the work without additional expense to the PHA.

- (b) The PHA assumes no responsibility for any conclusions or interpretations made by the Contractor based on the information made available by the PHA. Nor does the PHA assume responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers or agents before the execution of this contract, unless that understanding or representation is expressly stated in this contract.

## 8. Differing Site Conditions

(a) The Contractor shall promptly, and before the conditions are disturbed, give a written notice to the Contracting Officer of (1) subsurface or latent physical conditions at the site which differ materially from those indicated in this contract, or (2) unknown physical conditions at the site(s), of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inhering in work of the character provided for in the contract.

(b) The Contracting Officer shall investigate the site conditions promptly after receiving the notice. Work shall not proceed at the affected site, except at the

Contractor's risk, until the Contracting Officer has provided written instructions to the Contractor. If the conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this contract, whether or not changed as a result of the conditions, the Contractor shall file a claim in writing to the PHA within ten days after receipt of such instructions and, in any event, before proceeding with the work. An equitable adjustment in the contract price, the delivery schedule, or both shall be made under this clause and the contract modified in writing accordingly.

(c) No request by the Contractor for an equitable adjustment to the contract under this clause shall be allowed, unless the Contractor has given the written notice required; provided, that the time prescribed in (a) above for giving written notice may be extended by the Contracting Officer.

(d) No request by the Contractor for an equitable adjustment to the contract for differing site conditions shall be allowed if made after final payment under this contract.

## 9. Specifications and Drawings for Construction

(a) The Contractor shall keep on the work site a copy of the drawings and specifications and shall at all times give the Contracting Officer access thereto. Anything mentioned in the specifications and not shown on the drawings, or shown on the drawings and not mentioned in the specifications, shall be of like effect as if shown or mentioned in both. In case of difference between drawings and specifications, the specifications shall govern. In case of discrepancy in the figures, in the drawings, or in the specifications, the matter shall be

promptly submitted to the Contracting Officer, who shall promptly make a determination in writing. Any adjustment by the Contractor without such a determination shall be at its own risk and expense. The Contracting Officer shall furnish from time to time such detailed drawings and other information as considered necessary, unless otherwise provided.

(b) Wherever in the specifications or upon the drawings the words "directed", "required", "ordered", "designated", "prescribed", or words of like import are used, it shall be understood that the "direction", "requirement", "order", "designation", or "prescription", of the Contracting Officer is intended and similarly the words "approved", "acceptable", "satisfactory", or words of like import shall mean "approved by", or "acceptable to", or "satisfactory to" the Contracting Officer, unless otherwise expressly stated.

(c) Where "as shown" "as indicated", "as detailed", or words of similar import are used, it shall be understood that the reference is made to the drawings accompanying this contract unless stated otherwise. The word "provided" as used herein shall be understood to mean "provide complete in place" that is "furnished and installed".

(d) "Shop drawings" means drawings, submitted to the PHA by the Contractor, subcontractor, or any lower tier subcontractor, showing in detail (1) the proposed fabrication and assembly of structural elements and (2) the installation (i.e., form, fit, and attachment details) of materials of equipment. It includes drawings, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, performance and test data, and similar materials furnished by the Contractor to explain in detail specific portions of the work required by the contract. The PHA may duplicate, use, and disclose in any manner and for any purpose shop drawings delivered under this contract.

(e) If this contract requires shop drawings, the Contractor shall coordinate all such drawings, and review them for accuracy, completeness, and compliance with other contract requirements and shall indicate its approval thereon as evidence of such coordination and review. Shop drawings submitted to the Contracting Officer without evidence of the Contractor's approval may be returned for resubmission. The Contracting Officer will indicate an approval or disapproval of the shop drawings and if not approved as submitted shall indicate the PHA's reasons therefore. Any work done before such approval shall be at the Contractor's risk. Approval by the Contracting Officer shall not relieve the Contractor from responsibility for any errors or omissions in such drawings, nor from responsibility for complying with the requirements of this contract, except with respect to variations described and approved in accordance with (f) below.

(f) If shop drawings show variations from the contract requirements, the Contractor shall describe such variations in writing, separate from the drawings, at the time of submission. If the Architect approves any such variation and the Contracting Officer concurs, the Contracting Officer shall issue an appropriate modification to the contract, except that, if the variation is minor or does not involve a change in price or in time of performance, a modification need not be issued.

(g) It shall be the responsibility of the Contractor to make timely requests of the PHA for such large scale and full size drawings, color schemes, and other additional information, not already in his possession, which shall be

required in the planning and production of the work. Such requests may be submitted as the need arises, but each such request shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay.

- (h) The Contractor shall submit to the Contracting Officer for approval four copies (unless otherwise indicated) of all shop drawings as called for under the various headings of these specifications. Three sets (unless otherwise indicated) of all shop drawings, will be retained by the PHA and one set will be returned to the Contractor. As required by the Contracting Officer, the Contractor, upon completing the work under this contract, shall furnish a complete set of all shop drawings as finally approved. These drawings shall show all changes and revisions made up to the time the work is completed and accepted.
- (i) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all shop drawings prepared by subcontractors are submitted to the Contracting Officer.

#### 10. As-Built Drawings

- (a) "As-built drawings," as used in this clause, means drawings submitted by the Contractor or subcontractor at any tier to show the construction of a particular structure or work as actually completed under the contract. "As-built drawings" shall be synonymous with "Record drawings."
- (b) As required by the Contracting Officer, the Contractor shall provide the Contracting Officer accurate information to be used in the preparation of permanent as-built drawings. For this purpose, the Contractor shall record on one set of contract drawings all changes from the installations originally indicated, and record final locations of underground lines by depth from finish grade and by accurate horizontal offset distances to permanent surface improvements such as buildings, curbs, or edges of walks.
- (c) This clause shall be included in all subcontracts at any tier. It shall be the responsibility of the Contractor to ensure that all as-built drawings prepared by subcontractors are submitted to the Contracting Officer.

#### 11. Material and Workmanship

- (a) All equipment, material, and articles furnished under this contract shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in this contract. References in the contract to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Contractor may, at its option, use any equipment, material, article, or process that, in the judgment of, and as approved by the Contracting Officer, is equal to that named in the specifications, unless otherwise specifically provided in this contract.
- (b) Approval of equipment and materials.
- (1) The Contractor shall obtain the Contracting Officer's approval of the machinery and mechanical and other equipment to be incorporated into the work. When requesting approval, the Contractor shall furnish to the Contracting Officer the name of the manufacturer, the model number, and other information concerning the performance, capacity, nature, and rating of the

machinery and mechanical and other equipment. When required by this contract or by the Contracting Officer, the Contractor shall also obtain the Contracting Officer's approval of the material or articles which the Contractor contemplates incorporating into the work. When requesting approval, the Contractor shall provide full information concerning the material or articles. Machinery, equipment, material, and articles that do not have the required approval shall be installed or used at the risk of subsequent rejection.

- (2) When required by the specifications or the Contracting Officer, the Contractor shall submit appropriately marked samples (and certificates related to them) for approval at the Contractor's expense, with all shipping charges prepaid. The Contractor shall label, or otherwise properly mark on the container, the material or product represented, its place of origin, the name of the producer, the Contractor's name, and the identification of the construction project for which the material or product is intended to be used.
- (3) Certificates shall be submitted in triplicate, describing each sample submitted for approval and certifying that the material, equipment or accessory complies with contract requirements. The certificates shall include the name and brand of the product, name of manufacturer, and the location where produced.
- (4) Approval of a sample shall not constitute a waiver of the PHA right to demand full compliance with contract requirements. Materials, equipment and accessories may be rejected for cause even though samples have been approved.
- (5) Wherever materials are required to comply with recognized standards or specifications, such specifications shall be accepted as establishing the technical qualities and testing methods, but shall not govern the number of tests required to be made nor modify other contract requirements. The Contracting Officer may require laboratory test reports on items submitted for approval or may approve materials on the basis of data submitted in certificates with samples. Check tests will be made on materials delivered for use only as frequently as the Contracting Officer determines necessary to insure compliance of materials with the specifications. The Contractor will assume all costs of retesting materials which fail to meet contract requirements and/or testing materials offered in substitution for those found deficient.
- (6) After approval, samples will be kept in the Project office until completion of work. They may be built into the work after a substantial quantity of the materials they represent has been built in and accepted.
- (c) Requirements concerning lead-based paint. The Contractor shall comply with the requirements concerning lead-based paint contained in the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4821-4846) as implemented by 24 CFR Part 35.

#### 12. Permits and Codes

- (a) The Contractor shall give all notices and comply with all applicable laws, ordinances, codes, rules and regulations. Notwithstanding the requirement of the Contractor to comply with the drawings and specifications in the contract, all work installed shall comply with all applicable codes and regulations as amended by any

waivers. Before installing the work, the Contractor shall examine the drawings and the specifications for compliance with applicable codes and regulations bearing on the work and shall immediately report any discrepancy it may discover to the Contracting Officer.

Where the requirements of the drawings and specifications fail to comply with the applicable code or regulation, the Contracting Officer shall modify the contract by change order pursuant to the clause entitled Changes herein to conform to the code or regulation.

- (b) The Contractor shall secure and pay for all permits, fees, and licenses necessary for the proper execution and completion of the work. Where the PHA can arrange for the issuance of all or part of these permits, fees and licenses, without cost to the Contractor, the contract amount shall be reduced accordingly.

### 13. Health, Safety, and Accident Prevention

(a) In performing this contract, the Contractor shall:

- (1) Ensure that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his/her health and/or safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation;
- (2) Protect the lives, health, and safety of other persons;
- (3) Prevent damage to property, materials, supplies, and equipment; and,
- (4) Avoid work interruptions.

(b) For these purposes, the Contractor shall:

- (1) Comply with regulations and standards issued by the Secretary of Labor at 29 CFR Part 1926. Failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act (Public Law 91-54, 83 Stat. 96), 40 U.S.C. 3701 et seq.; and
- (2) Include the terms of this clause in every subcontract so that such terms will be binding on each subcontractor.

(c) The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to property, materials, supplies, or equipment, and shall report this data in the manner prescribed by 29 CFR Part 1904.

(d) The Contracting Officer shall notify the Contractor of any noncompliance with these requirements and of the corrective action required. This notice, when delivered to the Contractor or the Contractor's representative at the site of the work, shall be deemed sufficient notice of the noncompliance and corrective action required. After receiving the notice, the Contractor shall immediately take corrective action. If the Contractor fails or refuses to take corrective action promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. The Contractor shall not base any claim or request for equitable adjustment for additional time or money on any stop order issued under these circumstances.

(e) The Contractor shall be responsible for its subcontractors' compliance with the provisions of this clause. The Contractor shall take such action with respect to any subcontract as the PHA, the Secretary of Housing and Urban Development, or the Secretary of Labor shall direct as a means of enforcing such provisions.

### 14. Temporary Heating

The Contractor shall provide and pay for temporary heating, covering, and enclosures necessary to properly protect all work and materials against damage by dampness and cold, to dry out the work, and to facilitate the completion of the work. Any permanent heating equipment used shall be turned over to the PHA in the condition and at the time required by the specifications.

### 15. Availability and Use of Utility Services

(a) The PHA shall make all reasonably required amounts of utilities available to the Contractor from existing outlets and supplies, as specified in the contract. Unless otherwise provided in the contract, the amount of each utility service consumed shall be charged to or paid for by the Contractor at prevailing rates charged to the PHA or, where the utility is produced by the PHA, at reasonable rates determined by the Contracting Officer. The Contractor shall carefully conserve any utilities furnished without charge.

(b) The Contractor, at its expense and in a manner satisfactory to the Contracting Officer, shall install and maintain all necessary temporary connections and distribution lines, and all meters required to measure the amount of each utility used for the purpose of determining charges. Before final acceptance of the work by the PHA, the Contractor shall remove all the temporary connections, distribution lines, meters, and associated paraphernalia.

### 16. Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements

(a) The Contractor shall preserve and protect all structures, equipment, and vegetation (such as trees, shrubs, and grass) on or adjacent to the work site, which are not to be removed under this contract, and which do not unreasonably interfere with the work required under this contract.

(b) The Contractor shall only remove trees when specifically authorized to do so, and shall avoid damaging vegetation that will remain in place. If any limbs or branches of trees are broken during performance of this contract, or by the careless operation of equipment, or by workmen, the Contractor shall trim those limbs or branches with a clean cut and paint the cut with a tree-pruning compound as directed by the Contracting Officer.

(c) The Contractor shall protect from damage all existing improvements and utilities (1) at or near the work site and (2) on adjacent property of a third party, the locations of which are made known to or should be known by the Contractor. Prior to disturbing the ground at the construction site, the Contractor shall ensure that all underground utility lines are clearly marked.

(d) The Contractor shall shore up, brace, underpin, secure, and protect as necessary all foundations and other parts of existing structures adjacent to, adjoining, and in the vicinity of the site, which may be affected by the excavations or other operations connected with the construction of the project.

(e) Any equipment temporarily removed as a result of work under this contract shall be protected, cleaned, and replaced in the same condition as at the time of award of this contract.



- (f) New work which connects to existing work shall correspond in all respects with that to which it connects and/or be similar to existing work unless otherwise required by the specifications.
- (g) No structural members shall be altered or in any way weakened without the written authorization of the Contracting Officer, unless such work is clearly specified in the plans or specifications.
- (h) If the removal of the existing work exposes discolored or unfinished surfaces, or work out of alignment, such surfaces shall be refinished, or the material replaced as necessary to make the continuous work uniform and harmonious. This, however, shall not be construed to require the refinishing or reconstruction of dissimilar finishes previously exposed, or finished surfaces in good condition, but in different planes or on different levels **Construction** when brought together by the removal of intervening work, unless such refinishing or reconstruction is specified in the plans or specifications.
- (i) The Contractor shall give all required notices to any adjoining or adjacent property owner or other party before the commencement of any work.
- (j) The Contractor shall indemnify and save harmless the PHA from any damages on account of settlement or the loss of lateral support of adjoining property, any damages from changes in topography affecting drainage, and from all loss or expense and all damages for which the PHA may become liable in consequence of such injury or damage to adjoining and adjacent structures and their premises.
- (k) The Contractor shall repair any damage to vegetation, structures, equipment, utilities, or improvements, including those that are the property of a third party, resulting from failure to comply with the requirements of this contract or failure to exercise reasonable care in performing the work. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.

## 17. Temporary Buildings and Transportation of Materials

- (a) Temporary buildings (e.g., storage sheds, shops, offices, sanitary facilities) and utilities may be erected by the Contractor only with the approval of the Contracting Officer and shall be built with labor and materials furnished by the Contractor without expense to the PHA. The temporary buildings and utilities shall remain the property of the Contractor and shall be removed by the Contractor at its expense upon completion of the work. With the written consent of the Contracting Officer, the buildings and utilities may be abandoned and need not be removed.
- (b) The Contractor shall, as directed by the Contracting Officer, use only established roadways, or use temporary roadways constructed by the Contractor when and as authorized by the Contracting Officer. When materials are transported in prosecuting the work, vehicles shall not be loaded beyond the loading capacity recommended by the manufacturer of the vehicle or prescribed by any federal, state, or local law or regulation. When it is necessary to cross curbs or sidewalks, the Contractor shall protect them from damage. The Contractor shall repair or pay for the repair of any damaged curbs, sidewalks, or roads.

## 18. Clean Air and Water

The contractor shall comply with the Clean Air Act, as amended, 42 USC 7401 et seq., the Federal Water Pollution Control Water Act, as amended, 33 U.S.C. 1251 et seq., and standards issued pursuant thereto in the facilities in which this contract is to be performed.

## 19. Energy Efficiency

The Contractor shall comply with mandatory standards and policies relating to energy efficiency which are contained in the energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub.L. 94-163) for the State in which the work under the contract is performed.

## 20. Inspection and Acceptance of

- (a) Definitions. As used in this clause -
- (1) "Acceptance" means the act of an authorized representative of the PHA by which the PHA approves and assumes ownership of the work performed under this contract. Acceptance may be partial or complete.
- (2) "Inspection" means examining and testing the work performed under the contract (including, when appropriate, raw materials, equipment, components, and intermediate assemblies) to determine whether it conforms to contract requirements.
- (3) "Testing" means that element of inspection that determines the properties or elements, including functional operation of materials, equipment, or their components, by the application of established scientific principles and procedures.
- (b) The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work performed under the contract conforms to contract requirements. All work is subject to PHA inspection and test at all places and at all reasonable times before acceptance to ensure strict compliance with the terms of the contract.
- (c) PHA inspections and tests are for the sole benefit of the PHA and do not: (1) relieve the Contractor of responsibility for providing adequate quality control measures; (2) relieve the Contractor of responsibility for loss or damage of the material before acceptance; (3) constitute or imply acceptance; or, (4) affect the continuing rights of the PHA after acceptance of the completed work under paragraph (j) below.
- (d) The presence or absence of the PHA inspector does not relieve the Contractor from any contract requirement, nor is the inspector authorized to change any term or condition of the specifications without the Contracting Officer's written authorization. All instructions and approvals with respect to the work shall be given to the Contractor by the Contracting Officer.
- (e) The Contractor shall promptly furnish, without additional charge, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the Contracting Officer. The PHA may charge to the Contractor any additional cost of inspection or test when work is not ready at the time specified by the Contractor for inspection or test, or when prior rejection makes reinspection or retest necessary. The PHA shall perform all inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in the contract.

- (f) The PHA may conduct routine inspections of the construction site on a daily basis.
- (g) The Contractor shall, without charge, replace or correct work found by the PHA not to conform to contract requirements, unless the PHA decides that it is in its interest to accept the work with an appropriate adjustment in contract price. The Contractor shall promptly segregate and remove rejected material from the premises.
- (h) If the Contractor does not promptly replace or correct rejected work, the PHA may (1) by contract or otherwise, replace or correct the work and charge the cost to the Contractor, or (2) terminate for default the Contractor's right to proceed.
- (i) If any work requiring inspection is covered up without approval of the PHA, it must, if requested by the Contracting Officer, be uncovered at the expense of the Contractor. If at any time before final acceptance of the entire work, the **Construction PHA** considers it necessary or advisable, to examine work already completed by removing or tearing it out, the Contractor, shall on request, promptly furnish all necessary facilities, labor, and material. If such work is found to be defective or nonconforming in any material respect due to the fault of the Contractor or its subcontractors, the Contractor shall defray all the expenses of the examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the contract, the Contracting Officer shall make an equitable adjustment to cover the cost of the examination and reconstruction, including, if completion of the work was thereby delayed, an extension of time.
- (j) The Contractor shall notify the Contracting Officer, in writing, as to the date when in its opinion all or a designated portion of the work will be substantially completed and ready for inspection. If the Architect determines that the state of preparedness is as represented, the PHA will promptly arrange for the inspection. Unless otherwise specified in the contract, the PHA shall accept, as soon as practicable after completion and inspection, all work required by the contract or that portion of the work the Contracting Officer determines and designates can be accepted separately. Acceptance shall be final and conclusive except for latent defects, fraud, gross mistakes amounting to fraud, or the PHA's right under any warranty or guarantee.

## 21. Use and Possession Prior to Completion

- (a) The PHA shall have the right to take possession of or use any completed or partially completed part of the work. Before taking possession of or using any work, the Contracting Officer shall furnish the Contractor a list of items of work remaining to be performed or corrected on those portions of the work that the PHA intends to take possession of or use. However, failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The PHA's possession or use shall not be deemed an acceptance of any work under the contract.
- (b) While the PHA has such possession or use, the Contractor shall be relieved of the responsibility for (1) the loss of or damage to the work resulting from the PHA's possession or use, notwithstanding the terms of the clause entitled Permits and Codes herein; (2) all maintenance costs on the areas occupied; and, (3) furnishing heat, light, power, and water used in the areas

occupied without proper remuneration therefore. If prior possession or use by the PHA delays the progress of the work or causes additional expense to the Contractor, an equitable adjustment shall be made in the contract price or the time of completion, and the contract shall be modified in writing accordingly.

## 22. Warranty of Title

The Contractor warrants good title to all materials, supplies, and equipment incorporated in the work and agrees to deliver the premises together with all improvements thereon free from any claims, liens or charges, and agrees further that neither it nor any other person, firm or corporation shall have any right to a lien upon the premises or anything appurtenant thereto.

## 23. Warranty of

- (a) In addition to any other warranties in this contract, the Contractor warrants, except as provided in paragraph (j) of this clause, that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, or workmanship performed by the Contractor or any subcontractor or supplier at any tier. This warranty shall continue for a period of \_\_\_\_\_ (one year unless otherwise indicated) from the date of final acceptance of the work. If the PHA takes possession of any part of the work before final acceptance, this warranty shall continue for a period of (one year unless otherwise indicated) from the date that the PHA takes possession.
- (b) The Contractor shall remedy, at the Contractor's expense, any failure to conform, or any defect. In addition, the Contractor shall remedy, at the Contractor's expense, any damage to PHA-owned or controlled real or personal property when the damage is the result of—
  - (1) The Contractor's failure to conform to contract requirements; or
  - (2) Any defects of equipment, material, workmanship or design furnished by the Contractor.
- (c) The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for (one year unless otherwise indicated) from the date of repair or replacement.
- (d) The Contracting Officer shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect or damage.
- (e) If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, the PHA shall have the right to replace, repair or otherwise remedy the failure, defect, or damage at the Contractor's expense.
- (f) With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall:
  - (1) Obtain all warranties that would be given in normal commercial practice;
  - (2) Require all warranties to be executed in writing, for the benefit of the PHA; and,
  - (3) Enforce all warranties for the benefit of the PHA.
- (g) In the event the Contractor's warranty under paragraph (a) of this clause has expired, the PHA may bring suit at its own expense to enforce a subcontractor's, manufacturer's or supplier's warranty.

- (h) Unless a defect is caused by the negligence of the Contractor or subcontractor or supplier at any tier, the Contractor shall not be liable for the repair of any defect of material or design furnished by the PHA nor for the repair of any damage that results from any defect in PHA furnished material or design.
- (i) Notwithstanding any provisions herein to the contrary, the establishment of the time periods in paragraphs (a) and (c) above relate only to the specific obligation of the Contractor to correct the work, and have no relationship to the time within which its obligation to comply with the contract may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to its obligation other than specifically to correct the work.
- (j) This warranty shall not limit the PHA's rights under the Inspection and Acceptance of Construction clause of this contract with respect to latent defects, gross mistakes or fraud.

**24. Prohibition Against Liens**

The Contractor is prohibited from placing a lien on the PHA's property. This prohibition shall apply to all subcontractors at any tier and all materials suppliers.

**Administrative Requirements**

**25. Contract Period**

this contract within \_\_\_\_\_ calendar days of the effective date of the contract, or within the time schedule established in the notice to proceed issued by the Contracting Officer.

**26. Order of Provisions**

accordance with the terms and conditions of the

In the event of a conflict between these General Conditions and the Specifications, the General Conditions shall prevail. In the event of a conflict between the contract and any applicable state or local law or regulation, the state or local law or regulation shall prevail; provided that such state or local law or regulation does not conflict with, or is less restrictive than applicable federal law, regulation, or Executive Order. In the event of such a conflict, applicable federal law, regulation, and Executive Order shall prevail.

**27. Payments**

- (a) The PHA shall pay the Contractor the price as provided in this contract.
- (b) The PHA shall make progress payments approximately every 30 days as the work proceeds, on estimates of work accomplished which meets the standards of quality established under the contract, as approved by the Contracting Officer. The PHA may, subject to written determination and approval of the Contracting Officer, make more frequent payments to contractors which are qualified small businesses.
- (c) Before the first progress payment under this contract, the Contractor shall furnish, in such detail as requested by the Contracting Officer, a breakdown of the total contract price showing the amount included therein for each principal category of the work, which shall substantiate the payment amount requested in order to provide a

basis for determining progress payments. The breakdown shall be approved by the Contracting Officer and must be acceptable to HUD. If the contract covers more than one project, the Contractor shall furnish a separate breakdown for each. The values and quantities employed in making up this breakdown are for determining the amount of progress payments and shall not be construed as a basis for additions to or deductions from the contract price. The Contractor shall prorate its overhead and profit over the construction period of the contract.

- (d) The Contractor shall submit, on forms provided by the PHA, periodic estimates showing the value of the work performed during each period based upon the approved submitted not later than \_\_\_\_\_ days in advance of the date set for payment and are subject to correction and revision as required. The estimates must be approved by the Contracting Officer with the concurrence of the Architect prior to payment. If the contract covers more than one project, the Contractor shall furnish a separate progress payment estimate for each.
- (e) Along with each request for progress payments and the required estimates, the Contractor shall furnish the following certification, or payment shall not be made: I hereby certify, to the best of my knowledge and belief, that:

- (1) The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;
- (2) Payments to subcontractors and suppliers have been made from previous payments received under the contract, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with subcontract agreements; and,
- (3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in subcontract.

**Name:**

Title:

Date:

- (f) Except as otherwise provided in State law, the PHA shall retain ten (10) percent of the amount of progress payments until completion and acceptance of all work under the contract; except, that if upon completion of 50 percent of the work, the Contracting Officer, after consulting with the Architect, determines that the Contractor's performance and progress are satisfactory, the PHA may make the remaining payments in full for the work subsequently completed. If the Contracting Officer subsequently determines that the Contractor's performance and progress are unsatisfactory, the PHA shall reinstate the ten (10) percent (or other percentage as provided in State law) retainage until such time as the Contracting Officer determines that performance and progress are satisfactory.
- (g) The Contracting Officer may authorize material delivered on the site and preparatory work done to be taken into consideration when computing progress payments.

Material delivered to the Contractor at locations other than the site may also be taken into consideration if the Contractor furnishes satisfactory evidence that (1) it has acquired title to such material; (2) the material is properly stored in a bonded warehouse, storage yard, or similar suitable place as may be approved by the Contracting Officer; (3) the material is insured to cover its full value; and (4) the material will be used to perform this contract. Before any progress payment which includes delivered material is made, the Contractor shall furnish such documentation as the Contracting Officer may require to assure the protection of the PHA's interest in such materials. The Contractor shall remain responsible for such stored material notwithstanding the transfer of title to the PHA.

- (h) All material and work covered by progress payments made shall, at the time of payment become the sole property of the PHA, but this shall not be construed as (1) relieving the Contractor from the sole responsibility for all material and work upon which payments have been made or the restoration of any damaged work; or, (2) waiving the right of the PHA to require the fulfillment of all of the terms of the contract. In the event the work of the Contractor has been damaged by other contractors or persons other than employees of the PHA in the course of their employment, the Contractor shall restore such damaged work without cost to the PHA and to seek redress for its damage only from those who directly caused it.
- (i) The PHA shall make the final payment due the Contractor under this contract after (1) completion and final acceptance of all work; and (2) presentation of release of all claims against the PHA arising by virtue of this contract, other than claims, in stated amounts, that the Contractor has specifically excepted from the operation of the release. Each such exception shall embrace no more than one claim, the basis and scope of which shall be clearly defined. The amounts for such excepted claims shall not be included in the request for final payment. A release may also be required of the assignee if the Contractor's claim to amounts payable under this contract has been assigned.
- (j) Prior to making any payment, the Contracting Officer may require the Contractor to furnish receipts or other evidence of payment from all persons performing work and supplying material to the Contractor, if the Contracting Officer determines such evidence is necessary to substantiate claimed costs.
- (k) The PHA shall not; (1) determine or adjust any claims for payment or disputes arising there under between the Contractor and its subcontractors or material suppliers; or, (2) withhold any moneys for the protection of the subcontractors or material suppliers. The failure or refusal of the PHA to withhold moneys from the Contractor shall in nowise impair the obligations of any surety or sureties under any bonds furnished under this contract.

## 28. Contract Modifications

- (a) Only the Contracting Officer has authority to modify any term or condition of this contract. Any contract modification shall be authorized in writing.
- (b) The Contracting Officer may modify the contract unilaterally (1) pursuant to a specific authorization stated in a contract clause (e.g., Changes); or (2) for administrative matters which do not change the rights or

responsibilities of the parties (e.g., change in the PHA address). All other contract modifications shall be in the form of supplemental agreements signed by the Contractor and the Contracting Officer.

- (c) When a proposed modification requires the approval of HUD prior to its issuance (e.g., a change order that exceeds the PHA's approved threshold), such modification shall not be effective until the required approval is received by the PHA.

## 29. Changes

- (a) The Contracting Officer may, at any time, without notice to the sureties, by written order designated or indicated to be a change order, make changes in the work within the general scope of the contract including changes:
  - (1) In the specifications (including drawings and designs);
  - (2) In the method or manner of performance of the work;
  - (3) PHA-furnished facilities, equipment, materials, services, or site; or,
  - (4) Directing the acceleration in the performance of the work.
- (b) Any other written order or oral order (which, as used in this paragraph (b), includes direction, instruction, interpretation, or determination) from the Contracting Officer that causes a change shall be treated as a change order under this clause; provided, that the Contractor gives the Contracting Officer written notice stating (1) the date, circumstances and source of the order and (2) that the Contractor regards the order as a change order.
- (c) Except as provided in this clause, no order, statement or conduct of the Contracting Officer shall be treated as a change under this clause or entitle the Contractor to an equitable adjustment.
- (d) If any change under this clause causes an increase or decrease in the Contractor's cost of, or the time required for the performance of any part of the work under this contract, whether or not changed by any such order, the Contracting Officer shall make an equitable adjustment and modify the contract in writing. However, except for an adjustment based on defective specifications, no proposal for any change under paragraph (b) above shall be allowed for any costs incurred more than 20 days (5 days for oral orders) before the Contractor gives written notice as required. In the case of defective specifications for which the PHA is responsible, the equitable adjustment shall include any increased cost reasonably incurred by the Contractor in attempting to comply with the defective specifications.
- (e) The Contractor must assert its right to an adjustment under this clause within 30 days after (1) receipt of a written change order under paragraph (a) of this clause, or (2) the furnishing of a written notice under paragraph (b) of this clause, by submitting a written statement describing the general nature and the amount of the proposal. If the facts justify it, the Contracting Officer may extend the period for submission. The proposal may be included in the notice required under paragraph (b) above. No proposal by the Contractor for an equitable adjustment shall be allowed if asserted after final payment under this contract.
- (f) The Contractor's written proposal for equitable adjustment shall be submitted in the form of a lump sum proposal supported with an itemized breakdown of all increases and decreases in the contract in at least the following details:

- (1) Direct Costs. Materials (list individual items, the quantity and unit cost of each, and the aggregate cost); Transportation and delivery costs associated with materials; Labor breakdowns by hours or unit costs (identified with specific work to be performed); Construction equipment exclusively necessary for the change; Costs of preparation and/ or revision to shop drawings resulting from the change; Worker's Compensation and Public Liability Insurance; Employment taxes under FICA and FUTA; and, Bond Costs when size of change warrants revision.
- (2) Indirect Costs. Indirect costs may include overhead, general and administrative expenses, and fringe benefits not normally treated as direct costs.
- (3) Profit. The amount of profit shall be negotiated and may vary according to the nature, extent, and complexity of the work required by the change. The allowability of the direct and indirect costs shall be determined in accordance with the Contract Cost Principles and Procedures for Commercial Firms in Part 31 of the Federal Acquisition Regulation (48 CFR 1-31), as implemented by HUD Handbook 2210.18, in effect on the date of this contract. The Contractor shall not be allowed a profit on the profit received by any subcontractor. Equitable adjustments for deleted work shall include a credit for profit and may include a credit for indirect costs. On proposals covering both increases and decreases in the amount of the contract, the application of indirect costs and profit shall be on the net-change in direct costs for the Contractor or subcontractor performing the work.
- (g) The Contractor shall include in the proposal its request for time extension (if any), and shall include sufficient information and dates to demonstrate whether and to what extent the change will delay the completion of the contract in its entirety.
- (h) The Contracting Officer shall act on proposals within 30 days after their receipt, or notify the Contractor of the date when such action will be taken.
- (i) Failure to reach an agreement on any proposal shall be a dispute under the clause entitled Disputes herein. Nothing in this clause, however, shall excuse the Contractor from proceeding with the contract as changed.
- (j) Except in an emergency endangering life or property, no change shall be made by the Contractor without a prior order from the Contracting Officer.

### 30. Suspension of Work

- (a) The Contracting Officer may order the Contractor in writing to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the convenience of the PHA.
- (b) If the performance of all or any part of the work is, for an unreasonable period of time, suspended, delayed, or interrupted (1) by an act of the Contracting Officer in the administration of this contract, or (2) by the Contracting Officer's failure to act within the time specified (or within a reasonable time if not specified) in this contract an adjustment shall be made for any increase in the cost of performance of the contract (excluding profit) necessarily caused by such unreasonable suspension, delay, or interruption and the contract modified in writing accordingly. However, no adjustment shall be made under this clause for any suspension, delay, or interruption to the extent that performance would have

- been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Contractor or for which any equitable adjustment is provided for or excluded under any other provision of this contract.
- (c) A claim under this clause shall not be allowed (1) for any costs incurred more than 20 days before the Contractor shall have notified the Contracting Officer in writing of the act or failure to act involved (but this requirement shall not apply as to a claim resulting from a suspension order); and, (2) unless the claim, in an amount stated, is asserted in writing as soon as practicable after the termination of the suspension, delay, or interruption, but not later than the date of final payment under the contract.

### 31. Disputes

- (a) "Claim," as used in this clause, means a written demand or written assertion by one of the contracting parties seeking, as a matter of right, the payment of money in a sum certain, the adjustment or interpretation of contract terms, or other relief arising under or relating to the contract. A claim arising under the contract, unlike a claim relating to the contract, is a claim that can be resolved under a contract clause that provides for the relief sought by the claimant. A voucher, invoice, or other routine request for payment that is not in dispute when submitted is not a claim. The submission may be converted to a claim by complying with the requirements of this clause, if it is disputed either as to liability or amount or is not acted upon in a reasonable time.
- (b) Except for disputes arising under the clauses entitled Labor Standards - Davis Bacon and Related Acts, herein, all disputes arising under or relating to this contract, including any claims for damages for the alleged breach thereof which are not disposed of by agreement, shall be resolved under this clause.
- (c) All claims by the Contractor shall be made in writing and submitted to the Contracting Officer for a written decision. A claim by the PHA against the Contractor shall be subject to a written decision by the Contracting Officer.
- (d) The Contracting Officer shall, within 60 (unless otherwise indicated) days after receipt of the request, decide the claim or notify the Contractor of the date by which the decision will be made.
- (e) The Contracting Officer's decision shall be final unless the Contractor (1) appeals in writing to a higher level in the PHA in accordance with the PHA's policy and procedures, (2) refers the appeal to an independent mediator or arbitrator, or (3) files suit in a court of competent jurisdiction. Such appeal must be made within (30 unless otherwise indicated) days after receipt of the Contracting Officer's decision.
- (f) The Contractor shall proceed diligently with performance of this contract, pending final resolution of any request for relief, claim, appeal, or action arising under or relating to the contract, and comply with any decision of the Contracting Officer.

### 32. Default

- (a) If the Contractor refuses or fails to prosecute the work, or any separable part thereof, with the diligence that will insure its completion within the time specified in this contract, or any extension thereof, or fails to complete said work within this time, the Contracting Officer may, by written notice to the Contractor, terminate the right to

proceed with the work (or separable part of the work) that has been delayed. In this event, the PHA may take over the work and complete it, by contract or otherwise, and may take possession of and use any materials, equipment, and plant on the work site necessary for completing the work. The Contractor and its sureties shall be liable for any damage to the PHA resulting from the **Convenience** Contractor's refusal or failure to complete the work within the specified time, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by the PHA in completing the work.

- (b) The Contractor's right to proceed shall not be terminated or the Contractor charged with damages under this clause if—
- (1) The delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor. Examples of such causes include (i) acts of God, or of the public enemy, (ii) acts of the PHA or other governmental entity in either its sovereign or contractual capacity, (iii) acts of another contractor in the performance of a contract with the PHA, (iv) fires, (v) floods, (vi) epidemics, (vii) quarantine restrictions, (viii) strikes, (ix) freight embargoes, (x) unusually severe weather, or (xi) delays of subcontractors or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both the Contractor and the subcontractors or suppliers; and
  - (2) The Contractor, within days (10 days unless otherwise indicated) from the beginning of such delay (unless extended by the Contracting Officer) notifies the Contracting Officer in writing of the causes of delay. The Contracting Officer shall ascertain the facts and the extent of the delay. If, in the judgment of the Contracting Officer, the findings of fact warrant such action, time for completing the work shall be extended by written modification to the contract. The findings of the Contracting Officer shall be reduced to a written decision which shall be subject to the provisions of the Disputes clause of this contract.
- (c) If, after termination of the Contractor's right to proceed, it is determined that the Contractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been for convenience of the PHA.

### 33. Liquidated Damages

- (a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, as specified in the clause entitled Default of this contract, the Contractor shall pay to the PHA as liquidated damages, the sum of \$ \_\_\_\_\_ [Contracting Officer insert amount] for each day of delay. If different completion dates are specified in the contract for separate parts or stages of the work, the amount of liquidated damages shall be assessed on those parts or stages which are delayed. To the extent that the Contractor's delay or nonperformance is excused under another clause in this contract, liquidated damages shall not be due the PHA. The Contractor remains liable for damages caused other than by delay.
- (b) If the PHA terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final

completion of the work together with any increased costs occasioned the PHA in completing the work.

- (c) If the PHA does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.

### 34. Termination for

- (a) The Contracting Officer may terminate this contract in whole, or in part, whenever the Contracting Officer determines that such termination is in the best interest of the PHA. Any such termination shall be effected by delivery to the Contractor of a Notice of Termination specifying the extent to which the performance of the work under the contract is terminated, and the date upon which such termination becomes effective.
- (b) If the performance of the work is terminated, either in whole or in part, the PHA shall be liable to the Contractor for reasonable and proper costs resulting from such termination upon the receipt by the PHA of a properly presented claim setting out in detail: (1) the total cost of the work performed to date of termination less the total amount of contract payments made to the Contractor; (2) the cost (including reasonable profit) of settling and paying claims under subcontracts and material orders for work performed and materials and supplies delivered to the site, payment for which has not been made by the PHA to the Contractor or by the Contractor to the subcontractor or supplier; (3) the cost of preserving and protecting the work already performed until the PHA or assignee takes possession thereof or assumes responsibility therefore; (4) the actual or estimated cost of legal and accounting services reasonably necessary to prepare and present the termination claim to the PHA; and (5) an amount constituting a reasonable profit on the value of the work performed by the Contractor.
- (c) The Contracting Officer will act on the Contractor's claim within days (60 days unless otherwise indicated) of receipt of the Contractor's claim.
- (d) Any disputes with regard to this clause are expressly made subject to the provisions of the Disputes clause of this contract.

### 35. Assignment of Contract

The Contractor shall not assign or transfer any interest in this contract; except that claims for monies due or to become due from the PHA under the contract may be assigned to a bank, trust company, or other financial institution. Such assignments of claims shall only be made with the written concurrence of the Contracting Officer. If the Contractor is a partnership, this contract shall inure to the benefit of the surviving or remaining member(s) of such partnership as approved by the Contracting Officer.

### 36. Insurance

- (a) Before commencing work, the Contractor and each subcontractor shall furnish the PHA with certificates of insurance showing the following insurance is in force and will insure all operations under the Contract:
  - (1) Workers' Compensation, in accordance with state or Territorial Workers' Compensation laws.
  - (2) Commercial General Liability with a combined single limit for bodily injury and property damage of not less than \$ \_\_\_\_\_ [Contracting Officer insert amount]

per occurrence to protect the Contractor and each subcontractor against claims for bodily injury or death and damage to the property of others. This shall cover the use of all equipment, hoists, and vehicles on the site(s) not covered by Automobile Liability under (3) below. If the Contractor has a "claims made" policy, then the following additional requirements apply: the policy must provide a "retroactive date" which must be on or before the execution date of the Contract; and the extended reporting period may not be less than five years following the completion date of the Contract.

- (3) Automobile Liability on owned and non-owned motor vehicles used on the site(s) or in connection therewith for a combined single limit for bodily injury and property damage of not less than \$ \_\_\_\_\_

[Contracting Officer insert amount] per occurrence.

- (b) Before commencing work, the Contractor shall furnish the PHA with a certificate of insurance evidencing that Builder's Risk (fire and extended coverage) Insurance on all work in place and/or materials stored at the building site(s), including foundations and building equipment, is in force. The Builder's Risk Insurance shall be for the benefit of the Contractor and the PHA as their interests may appear and each shall be named in the policy or policies as an insured. The Contractor in installing equipment supplied by the PHA shall carry insurance on such equipment from the time the Contractor takes possession thereof until the Contract work is accepted by the PHA. The Builder's Risk Insurance need not be carried on excavations, piers, footings, or foundations until such time as work on the superstructure is started. It need not be carried on landscape work. Policies shall furnish coverage at all times for the full cash value of all completed construction, as well as materials in place and/or stored at the site(s), whether or not partial payment has been made by the PHA. The Contractor may terminate this insurance on buildings as of the date taken over for occupancy by the PHA. The Contractor is not required to carry Builder's Risk Insurance for modernization work which does not involve structural alterations or additions and where the PHA's existing fire and extended coverage policy can be endorsed to include such work.
- (c) All insurance shall be carried with companies which are financially responsible and admitted to do business in the State in which the project is located. If any such insurance is due to expire during the construction period, the Contractor (including subcontractors, as applicable) shall not permit the coverage to lapse and shall furnish evidence of coverage to the Contracting Officer. All certificates of insurance, as evidence of coverage, shall provide that no coverage may be canceled or non-renewed by the insurance company until at least 30 days prior written notice has been given to the Contracting Officer.

### 37. Subcontracts

- (a) Definitions. As used in this contract -
- (1) "Subcontract" means any contract, purchase order, or other purchase agreement, including modifications and change orders to the foregoing, entered into by a subcontractor to furnish supplies, materials, equipment, and services for the performance of the prime contract or a subcontract.

- (2) "Subcontractor" means any supplier, vendor, or firm that furnishes supplies, materials, equipment, or services to or for the Contractor or another subcontractor.
- (b) The Contractor shall not enter into any subcontract with any subcontractor who has been temporarily denied participation in a HUD program or who has been suspended or debarred from participating in contracting programs by any agency of the United States Government or of the state in which the work under this contract is to be performed.
- (c) The Contractor shall be as fully responsible for the acts or omissions of its subcontractors, and of persons either directly or indirectly employed by them as for the acts or omissions of persons directly employed by the Contractor.
- (d) The Contractor shall insert appropriate clauses in all subcontracts to bind subcontractors to the terms and conditions of this contract insofar as they are applicable to the work of subcontractors.
- (e) Nothing contained in this contract shall create any contractual relationship between any subcontractor and the PHA or between the subcontractor and HUD.

### 38. Subcontracting with Small and Minority Firms, Women's Business Enterprise, and Labor Surplus Area Firms

The Contractor shall take the following steps to ensure that, whenever possible, subcontracts are awarded to small business firms, minority firms, women's business enterprises, and labor surplus area firms:

- (a) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- (b) Ensuring that small and minority businesses and women's business enterprises are solicited whenever they are potential sources;
- (c) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses and women's business enterprises;
- (d) Establishing delivery schedules, where the requirements of the contract permit, which encourage participation by small and minority businesses and women's business enterprises; and
- (e) Using the services and assistance of the U.S. Small Business Administration, the Minority Business Development Agency of the U.S. Department of Commerce, and State and local governmental small business agencies.

### 39. Equal Employment Opportunity

During the performance of this contract, the Contractor/Seller agrees as follows:

- (a) The Contractor/Seller shall not discriminate against any employee or applicant for employment because of race color, religion, sex, sexual orientation, gender identity, disability, or national origin.
- (b) The Contractor/Seller shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, disability, or national origin. Such action shall include, but not be limited to, (1) employment, (2) upgrading demotion, (4) transfer, (5) recruitment or recruitment advertising, (6) layoff or termination, (7) rates of pay or other forms of compensation, and (8) selection for training, including apprenticeship

(c) The Contractor/Seller agrees to post in conspicuous places available to employees and applicants for employment the notices to be provided by the Contracting Officer setting forth the provisions of this nondiscrimination clause.

(d) The Contractor/Seller shall, in all solicitations or advertisements for employees placed by or on behalf of the Contractor/Seller, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.

(e) The Contractor/Seller shall send, to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, the notice to be provided by the Contracting Officer advising the labor union or workers' representative of the Contractor's commitments under this clause, and post copies of the notice in conspicuous places available to employees and applicants for employment.

(f) The Contractor/Seller shall comply with Executive Order 11246, as amended, and the rules, regulations, and orders of the Secretary of Labor.

(g) The Contractor/Seller shall furnish all information and reports required by Executive Order 11246, as amended, Section 503 of the Rehabilitation Act of 1973, as amended, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto. The Contractor/Seller shall permit

access to its books, records, and accounts by the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(h) In the event of a that the Contractor/Seller is in noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and the contractor/seller may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(i) The contractor/seller will include the provisions of paragraphs (a) through (h) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each sub[contractor/seller] or vendor. The [contractor/seller] will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the [contractor/seller] becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the [contractor/seller] may request the United States to enter into such litigation to protect the interests of the United States.

(j) Compliance with the requirements of this clause shall be to the maximum extent consistent with, but not in derogation of, compliance with section 7(b) of the Indian Self-Determination and Education Assistance Act and the Indian Preference clause of this contract.

#### **40. Employment, Training, and Contracting Opportunities for Low-Income Persons, Section 3 of the Housing and Urban Development Act of 1968.**

(a) The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

(b) The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 75, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 75 regulations.

(c) The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 prioritization requirements and shall state the minimum percentages of labor hour requirements established in the Benchmark Notice (FR-6085-N-04).

(d) The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 75, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 75. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 75.

(e) Noncompliance with HUD's regulations in 24 CFR Part 75 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

(f) Contracts, subcontracts, grants, or subgrants subject to Section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 5307(b)) or subject to tribal preference requirements as authorized under 101(k) of the Native American Housing Assistance and Self-Determination Act (25 U.S.C. 4111(k)) must provide preferences in employment, training, and business opportunities to Indians and Indian organizations, and are therefore not subject to the requirements of 24 CFR Part 75.



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#### 41. Interest of Members of Congress

No member of or delegate to the Congress of the United States of America shall be admitted to any share or part of this contract or to any benefit that may arise therefrom.

#### 42. Interest of Members, Officers, or Employees and Former Members, Officers, or Employees

No member, officer, or employee of the PHA, no member of the governing body of the locality in which the project is situated, no member of the governing body of the locality in which the PHA was activated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the project, shall, during his or her tenure, or for one year thereafter, have any interest, direct or indirect, in this contract or the proceeds thereof.

#### 43. Limitations on Payments made to Influence Certain Federal Financial Transactions

- (a) The Contractor agrees to comply with Section 1352 of Title 31, United States Code which prohibits the use of **Acts** Federal appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: the awarding of any Federal contract; the making of any Federal grant; the making of any Federal loan; the entering into of any cooperative agreement; or the modification of any Federal contract, grant, loan, or cooperative agreement.
- (b) The Contractor further agrees to comply with the requirement of the Act to furnish a disclosure (OMB Standard Form LLL, Disclosure of Lobbying Activities) if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement.

#### 44. Royalties and Patents

The Contractor shall pay all royalties and license fees. It shall defend all suits or claims for infringement of any patent rights and shall save the PHA harmless from loss on account thereof; except that the PHA shall be responsible for all such loss when a particular design, process or the product of a particular manufacturer or manufacturers is specified and the Contractor has no reason to believe that the specified design, process, or product is an infringement. If, however, the Contractor has reason to believe that any design, process or product specified is an infringement of a patent, the Contractor shall promptly notify the Contracting Officer. Failure to give such notice shall make the Contractor responsible for resultant loss.

#### 45. Examination and Retention of Contractor's Records

- (a) The PHA, HUD, or Comptroller General of the United States, or any of their duly authorized representatives shall, until 3 years after final payment under this contract, have access to and the right to examine any of the Contractor's directly pertinent books, documents, papers, or other records involving transactions related to this contract for the purpose of making audit, examination, excerpts, and transcriptions.
- (b) The Contractor agrees to include in first-tier subcontracts under this contract a clause substantially the same as paragraph (a) above. "Subcontract," as used in this clause, excludes purchase orders not exceeding \$10,000.
- (c) The periods of access and examination in paragraphs (a) and (b) above for records relating to (1) appeals under the Disputes clause of this contract, (2) litigation or settlement of claims arising from the performance of this contract, or (3) costs and expenses of this contract to which the PHA, HUD, or Comptroller General or any of their duly authorized representatives has taken exception shall continue until disposition of such appeals, litigation, claims, or exceptions.

#### 46. Labor Standards - Davis-Bacon and Related

If the total amount of this contract exceeds \$2,000, the Federal labor standards set forth in the clause below shall apply to the development or construction work to be performed under the contract.

- (a) Minimum Wages.
  - (1) All laborers and mechanics employed under this contract in the development or construction of the project(s) involved will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the regular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits in the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall

be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(2) (i) Any class of laborers or mechanics, including

helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when all the following criteria have been met: (A) The work to be performed by the classification requested is not performed by a classification in the wage determination; and (B) The classification is utilized in the area by the construction industry; and (C) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

- (ii) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employee Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.
- (iii) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator of the Wage and Hour Division for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary.
- (iv) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (a)(2)(ii) or (iii) of this clause shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in classification.
- (3) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
- (4) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the

amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; provided, that the Secretary of Labor has found, upon the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

- (b) Withholding of funds. HUD or its designee shall, upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working in the construction or development of the project, all or part of the wages required by the contract, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the Contractor, disburse such amounts withheld for and on account of the Contractor or subcontractor to the respective employees to whom they are due.
- (c) Payrolls and basic records.
- (1) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working in the construction or development of the project. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found, under 29 CFR 5.5(a)(1)(iv), that the wages of any laborer or mechanic include the amount of costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(2) (i) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Contracting Officer for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under subparagraph (c)(1) of this clause. This information may be submitted in any form desired. Optional Form WH-347 (Federal Stock Number 029-005-00014-1) is available for this purpose and may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The Contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB Control Number 1214-0149.)

(ii) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

- (A) That the payroll for the payroll period contains the information required to be maintained under paragraph (c) (1) of this clause and that such information is correct and complete;
  - (B) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3; and
  - (C) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
- (iii) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirements for submission of the "Statement of Compliance" required by subparagraph (c)(2)(ii) of this clause.
- (iv) The falsification of any of the above certifications may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 3729 of Title 31 of the United States Code.

(3) The Contractor or subcontractor shall make the records required under subparagraph (c)(1) available for inspection, copying, or transcription by authorized representatives of HUD or its designee, the Contracting Officer, or the Department of Labor and shall permit such representatives to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to

make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

- (d) (1) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship and Training, Employer and Labor Services (OATELS), or with a State Apprenticeship Agency recognized by OATELS, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by OATELS or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in this paragraph, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator of the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event OATELS, or a State Apprenticeship Agency recognized by OATELS, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.
- (2) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under

the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed in the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate in the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate in the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate in the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (3) Equal employment opportunity. The utilization of apprentices, trainees, and journeymen under this clause shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.
- (e) Compliance with Copeland Act requirements. The Contractor shall comply with the requirements of 29 CFR Part 3, which are hereby incorporated by reference in this contract.
- (f) Contract termination; debarment. A breach of this contract clause may be grounds for termination of the contract and for debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.
- (g) Compliance with Davis-Bacon and related Act requirements. All rulings and interpretations of the Davis-Bacon and related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.
- (h) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this clause shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the PHA, HUD, the U.S. Department of Labor, or the employees or their representatives.
- (i) Certification of eligibility.
  - (1) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

- (2) No part of this contract shall be subcontracted to any person or firm ineligible for award of a United States Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- (3) The penalty for making false statements is prescribed in the U. S. Criminal Code, 18 U.S.C. 1001.
- (j) Contract Work Hours and Safety Standards Act. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.
  - (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics, including watchmen and guards, shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.
  - (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the provisions set forth in subparagraph (j)(1) of this clause, the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic (including watchmen and guards) employed in violation of the provisions set forth in subparagraph (j)(1) of this clause, in the sum of \$27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by provisions set forth in subparagraph (j)(1) of this clause. DOL posts current fines at: <https://www.dol.gov/whd/govcontracts/cwhssa.htm#cmp>
  - (3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the provisions set forth in subparagraph (j)(2) of this clause.
- (k) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts all the provisions contained in this clause, and such other clauses as HUD or its designee may by appropriate instructions require, and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all these provisions.

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47. Non-Federal Prevailing Wage Rates

(a) Any prevailing wage rate (including basic hourly rate and any fringe benefits), determined under State or tribal law to be prevailing, with respect to any employee in any trade or position employed under the contract, is inapplicable to the contract and shall not be enforced against the Contractor or any subcontractor, with respect to employees engaged under the contract whenever such non-Federal prevailing wage rate exceeds:

(1) The applicable wage rate determined by the Secretary of Labor pursuant to the Davis-Bacon Act (40 U.S.C. 3141 et seq.) to be prevailing in the locality with respect to such trade;

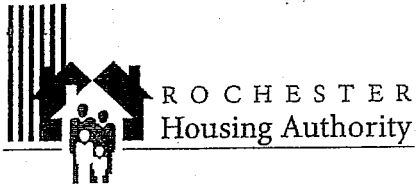
(b) An applicable apprentice wage rate based thereon specified in an apprenticeship program registered with the U.S. Department of Labor (DOL) or a DOL-recognized State Apprenticeship Agency; or

(c) An applicable trainee wage rate based thereon specified in a DOL-certified trainee program.

48. Procurement of Recovered Materials.

(a) In accordance with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, the Contractor shall procure items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition. The Contractor shall procure items designated in the EPA guidelines that contain the highest percentage of recovered materials practicable unless the Contractor determines that such items: (1) are not reasonably available in a reasonable period of time; (2) fail to meet reasonable performance standards, which shall be determined on the basis of the guidelines of the National Institute of Standards and Technology, if applicable to the item; or (3) are only available at an unreasonable price.

( ) Paragraph (a) of this clause shall apply to items purchased under this contract where: (1) the Contractor purchases in excess of \$10,000 of the item under this contract; or (2) during the preceding Federal fiscal year, the Contractor: (i) purchased any amount of the items for use under a contract that was funded with Federal appropriations and was with a Federal agency or a State agency or agency of a political subdivision of a State; and (ii) purchased a total of in excess of \$10,000 of the item both under and outside that contract.



**Procurement Department**  
675 West Main Street  
Rochester, NY 14611  
(585) 697-3625 (585) 697-7164 Fax  
[WWW.ROCHESTERHOUSING.ORG](http://WWW.ROCHESTERHOUSING.ORG)

5/26/11

**TO:** Contractors Performing Work for the Rochester Housing Authority

**RE:** Policy regarding: Three (3) contract limit, dollar threshold contract limit, shared interest in multiple businesses, and shared insurance for multiple businesses.

The RHA, in accordance with HUD regulations and HUD Handbook 7460.8 Rev. 2, awards construction contracts to the lowest Responsible, Responsive bidder whose bid conforms to the solicitation. The RHA will qualify an apparent low bidder to determine if they are Responsible and Responsive. The RHA may require statements of business, sub-business and/or financial records of contractors as part of the qualifying process. Per HUD 24 CFR 85.36 (b) (9) and HUD 5369 (d), RHA may reject any and all bids for any reason. Some of the reasons RHA may reject a bid by way of example are as follows:

The RHA may reject a contractor's bid and disallow them from contract award for performing more than three (3) separate contracts for RHA at one time.

The RHA may reject a contractor's bid and disallow them from contract award if their current contracted dollar amount of work with RHA exceeds \$1,000,000.00.

The RHA may reject a contractor's bid and disallow them from contract award if RHA believes that an individual has an interest in more than one of the bidding companies. This would include a company in which a bidder is part owner, an employee of, has an employee that is bidding as a separate entity, or is a/has a family member in another bidding company. This may also include bidders that have performed work as a subcontractor within the last three months for another bidding firm.

The RHA may reject a contractor's bid if two different contractors have two separate RHA contractor accounts with one insurance certificate listing them both.

The RHA may reject a successful bidder hiring a competing bidder as a subcontractor or employee on any RHA jobs in which both companies submitted a bid.

Any company meeting any of the criteria listed above and could have a contract rejected, may submit a written request to the RHA Procurement Department (prior to the bid submission date) to request that RHA consider their bid. The request should state why RHA should consider the bid, the relationship and/or business history between the two parties, and/or why the company feels that there is not a conflict of interest between the two parties bidding on the same work. A determination will be made by the RHA Contracting Officer or his/her designee before the bid submission deadline whenever possible. The RHA may not accept any written requests for consideration after the bid submission deadline.



Procurement Department  
675 West Main Street  
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## RHA Contractor/Vendor Section 3 Goals

### What Is Section 3?

Section 3 is a provision of the Housing and Urban Development Act of 1968. The purpose of Section 3 is to ensure that employment and other economic opportunities generated by certain HUD financial assistance shall, to **the greatest extent feasible**, and consistent with existing Federal, State, and local laws and regulations, be directed to low- and very low-income persons, particularly those who are recipients of government assistance for housing, and to business concerns which provide economic opportunities to low- and very low-income persons.

# **RHA SECTION 3 CONTRACTOR/VENDOR COMMITMENT FORM**

**INSTRUCTIONS:** All contractors/vendors **MUST** complete this Section 3 commitment form as part of their bid/proposal, or to amend a commitment after a contract has been successfully awarded. Please answer the questions, **AS PROMPTED**. This form must be signed when completed. If additional forms are required, it will be noted in the appropriate section of this form.

Is your company an RHA recognized Section 3 Business Concern? (Check one) YES \_\_\_\_\_ NO \_\_\_\_\_

If **YES**, provide RHA Section 3 Business Concern Certificate, initial clauses (a - e), and complete signature page at the bottom of this form.

If **NO**, initial clauses (a - e) and continue to Question 2:

1. As a recipient of a Section 3 covered contract you, the company, understand the obligations of a Section 3 covered contract and certify to the following: (please read each clause carefully, and initial on the line next to each clause)
  - a. \_\_\_\_\_ The work to be performed under this contract is subject to the requirements of Section 3. The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance to **the greatest extent feasible**, be directed to low-income persons, particularly persons who are recipients of RHA assistance for housing.
  - b. \_\_\_\_\_ The parties (RHA and the Contractor) to the contract agree to comply with HUD's regulations.
  - c. \_\_\_\_\_ The company agrees to send to each labor organization or representative or workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the company's commitments under this Section 3 clause and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. (This is **only** required for **new (unfilled)** employment opportunities for this project, before the project start, **or** that arise **during the project**)
  - d. \_\_\_\_\_ The company agrees to include this Section 3 clause in every subcontract.
  
2. Does your company or subcontractor need to hire additional labor **for this project**? YES \_\_\_ NO \_\_\_  
(Check one and initial clause)

\_\_\_\_\_ Contractor/Vendor agrees to interview RHA supplied, low-income candidates (if available) for **open** positions before the start of the project or that arise **during the project**. (contractor/vendor is not required to hire candidates who are not qualified for the open position(s) but must provide an interview opportunity)



3. Does your company have **unfilled** subcontracts for this project? YES \_\_\_ NO \_\_\_ (Check one and initial clauses)

\_\_\_\_\_ Contractor/Vendor agrees to notify the RHA if/when a need to subcontract occurs **during the project.**

\_\_\_\_\_ Contractor/Vendor agrees to interview/negotiate with RHA supplied, low-income subcontractor candidates (if available) for the needed service (if needed). (**contractor/vendor is not required to subcontract to businesses not qualified for the needed services or who cannot supply the services at an agreeable price**)

4. \_\_\_\_\_ Contractor/Vendor agrees to submit a list of all employees who worked on the project including subcontractor employees stating the employee's address, date of hire, income at date of hire and current annual income. (This will be a fillable close out document supplied by RHA)

5. \_\_\_\_\_ Contractors agrees to submit certified payrolls for all contracts \$2,000 or more.

I/we (*name of company*) \_\_\_\_\_ located at

(*Address of company*) \_\_\_\_\_

By signing below, the company acknowledges and understands that it has reviewed RHA's Section 3 compliance requirements and agrees to comply with the selected commitments indicated above. Contractor/Vendor attests that the proof supplied, and representations made for Section 3 status are accurate, to the best of its knowledge and belief and understands that any intentional submission of false information shall be a material breach of the contract. To the extent that the completion of this form is contingent upon future information, for example price negotiations, request for specific services, etc., the undersigned hereby affirms and agrees to fully adhere in good faith to the RHA Section 3 compliance goals. The undersigned acknowledges and affirms responsibility for completion and submission of this form PRIOR TO AWARD of a contract and acknowledges that failure to submit this form may jeopardize the responsiveness of its submission.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title of Signatory

For any questions regarding this Form, please contact Melissa Berrien at mberrien@rochesterhousing.org or 585-232-1112 ext. 229

# Jonathan Child Apt.'s Façade Repairs

## General Scope of Work

This is a competitively bid single prime project. Contractor shall be responsible for all concrete, brick, caulk, EIFS and miscellaneous masonry repairs, patching and/or replacements. Refer to architectural documents for locations, materials and Vertical Access's report. The final course of action for this building after repairs is to seal the exterior. As part of the investigation, VA documented notable and representative conditions with digital photographs hyperlinked to annotated elevation drawings. This is a large report but can be downloaded to your PC. The report from VA and the drawings from the architect/ engineer shall serve as the directions for the locations of repair, materials to be used and process to be followed to completion. For the report from Vertical Access, please follow the link provided in the bid documents.

*This three-story building was originally an elementary school that was bought by RHA and converted into apartments for residents needing supportive care. There are 30 one-bedroom units.*

*For this project, Vertical Access LLC (VA) was retained by the Rochester Housing Authority (RHA) to assist with the investigation of Jonathan Child Apt.'s exterior in Rochester, NY. VA technicians performed a hands-on and close visual survey documenting existing conditions at the exterior façades of the building. Vertical Access identified five Priority 1 conditions at four locations during the investigation which present potential public safety concerns. At each location, the unsecured masonry was left in place to prevent further destabilization due to the removal of loose material. These locations are boxed in red on the annotated drawings. Overall, the brick masonry was found to be in good condition. However, isolated instances of unit displacement and spalling were documented along with patterns of cracking and mortar failure, particularly along the parapet. Hairline cracking was common through the face of the original 1912 brick units. The sandstone masonry at the water table was found to be in fair condition exhibiting widespread instances of exfoliation and delamination, microbiological growth, and sealant failure. Isolated instances of cracking and failed previous patch repairs were also noted. Minor surface corrosion was noted at the sheet metal cladding and flashings as well as the lintels, doors, and at the tension band installed around the top of the chimney.*

*Priority 2 conditions are not considered imminently hazardous but should be addressed in the near future. These conditions include missing and incipient spalls, cracks, and open masonry joints. All other conditions are NA (not applicable) or Priority 3, indicating an observation that does not have an immediate safety or waterproofing implication, or that is mainly aesthetic in nature, such as soiling.*

# Jonathan Child Apt.'s Façade Repairs

## Notes to Contractors

This is a competitively bid contract for the **Jonathan Child Apt.'s Façade Repairs at 399 Colvin St., Rochester 14611**. This will be a single prime contract award.

### List of interested contractors and Pre-Project walk-through:

It is important to **register** and pick up the plans and spec.'s **prior to the walk-through**. We must establish a list of interested contractors as soon as possible after the announcement of this project. We will tour the site and review the project with interested contractors prior to the bid opening. The attachments may not illustrate defined field measurements. It will be important to verify actual field conditions and measurements prior to your bid. We will not be holding multiple walk-through's so please make sure someone from your team attends the walk-through on the announced day.

**Important note:** Any **questions** generated during the walk-through or upon reading the plans must be answered the same to all interested parties. Therefore, any questions you have regarding this project will be answered in a pre-bid addendum to all registered contractors. If you have a question during the walk-through, you will be instructed to e-mail your questions to **David Stier (dstier@rochesterhousing.org)** by the date and time specified. Your questions will be answered in an addendum and be delivered to the whole group via e-mail and posted on RHA and Construct Connect Websites.

### Bonding Requirements:

A certified check or bank draft, payable to the Rochester Housing Authority or a satisfactory Bid Bond executed by the Bidder and an acceptable surety company listed on US Treasury Circular 570, in an amount equal to five percent (5%) of the bid shall be submitted with each bid **more than One Hundred-Thousand Dollars {\$100,000}**. The Bid Bond must be submitted in your bid package, or your bid will be considered non-responsive, non-responsible, and will not be accepted. For all construction contracts exceeding \$100,000 the successful bidder may be required to furnish and pay for a Performance Bond & a Payment Bond each for 100% of the contract price (Surety company must be listed on the US Treasury Circular 570 as a certified company).

### Pre-qualification meeting:

The contractor will be responsible to complete the full scope of work as indicated on the plans and specifications. Through a pre-qualification process, the contractor selected will need to show that they have the staffing and skills to perform all the obligations of the project and in the timelines required. The "apparent low bidder" will be asked to provide (3) references and might be asked for the primary material submittals prior to the final PO award and notice- to-proceed.

### HUD Section 3 requirements:

HUD requires all contracts funded with HUD dollars comply with Section 3 requirements. Section 3 is a HUD program designed to employ low-income workers to the greatest extent feasible on HUD funded projects. The prime contractors for this project will fulfill their Section 3 requirements for this bid by completing the "Section 3 Vendor Commitment Form" in the bid package.

### **Scheduling before and throughout the project:**

At the pre-construction meeting, the contractor must submit an advance work plan (calendar schedule/GANTT Chart) to show how he/she can accomplish the work in the **300 calendar days**. This plan would graphically illustrate weekly goals and staffing. Once bi-weekly, the project foreman will meet with the RHA representative and/or Architect/Engineer to review the progress from the past week and see if there are any adjustments needed for the coming week. Please refer to the phasing plan on the drawings and incorporate this into the submittal. Work hours are 8:30 am-4:30 pm Monday through Friday unless otherwise given permission. Arrival on the site can be before that, but no noise or work can start before 8:30 am.

The contract timeline for this project will be a maximum of **300 days** from the notice-to-proceed. Please note that the **300 days** will include all submittals, lead times, mobilization, construction period, punch list, and paperwork through close-out. Prior to the final selection of the (typically low bidder) contractor, we will meet with that contractor to review his/her ability to meet the staffing, skill set and timelines for this project. The **300 days** start date will be determined at the completion of the pre-construction meeting and the corresponding issuing of the PO and notice-to-proceed. The count for contract days and construction days will include weekends and holidays; a 7-day week (calendar days). The amount of time indicated should be enough for receipt of products due to projected delays and to allow for inclement weather. It is not meant for late starting of the project. The date of the preconstruction meeting is the notice-to-proceed date.

### **Contractor's schedule of values:**

The contractor will be required to submit a thoughtful schedule of values with the bid documents. (See HUD form 51000-Schedule of Amounts for Contract Payments. It will be the responsibility of the contractor to have this document completed with accuracy prior to bidding on the work. Make sure it adds up to the total amount. Going forward, a copy of the completed HUD form 51000 must be available at all meetings, pre-construction, during construction, and as part of the billing and payment process. Procore software will be used for the construction process. This will be shared with contractor at start of project with no charge to the contractor.

### **Permits:**

The contractor will obtain and pay for all necessary NYS and/or City of Rochester permits that will cover the full project. The permit must be obtained in the first week of the contract, if required. A copy of the permit(s) will be posted at the site and submitted to RHA Project Manager. Contractor is responsible for administering any permit inspections with the city and submit close-out documents to RHA Project Manager.

### **Contractor payroll, sign-in sheets, change orders:**

The contractor will be required to have the employees sign a "sign-in sheet" each day on the job. A copy of the record shall be retained by the contractor and one copy shall be provided to RHA Procurement Dept. weekly. The sign-in sheet will be a key document for the processing of the payroll. This project will have Davis-Bacon wage rates assigned and the contractor will need to show they are paying the employees a minimum of the said wage rate by submitting a weekly Certified Payroll Form to RHA's Procurement Dept.

RHA does not expect change orders for this project. The materials should be readily available. The majority of the work is outdoors. It will be critical that the contractor order materials and have equipment reserved to mobilize as soon as possible after receipt of the PO (day of the preconstruction meeting). If there is a need for a change of

plan or a change order, all work (associated with the change) must stop until the change order is fully approved by RHA. It is the responsibility of the contractor to understand the HUD change order process. The contractor must swiftly initiate the completed change order request to RHA, not vice versa. Forms will be provided in a fillable format as needed.

**Contractor set-up:**

Contractor will need to coordinate the area for set up of dumpster, trailer and porta-john. Porta-john must be locked at all times when there is no work going on at the site by the contractor or subcontractor. If there is a need to store materials at the site, that will need to be coordinated with the RHA Project Manager. The contractor will be expected to have their full support team on site during the start-up of day one for a kick-off meeting.

**Warranties and owners' manuals:**

Please note that all project workmanship by the contractor will be for a period of **2 full years** from the date of substantial completion. Contractor supplied materials will be warranted by the manufacturer's warranty. If RHA staff discovers any problem during the warranty period, an RHA mechanic will investigate the problem prior to calling the contractor. If the contractor is called for a warranty issue, RHA will work with the contractor to access the area. The contractor is expected to correct the problem in an efficient manner. The contractor is required to deliver 1 copy of an owner's manual in an electronic PDF upon completion of the work. This includes full documentation of the primary materials maintenance instructions along with the manufacturer warranties.

# Jonathan Child Apt.'s Façade Repairs

## Special Conditions

- Contractor to verify all existing conditions and report to RHA's Sr. PRS if determined that unforeseen circumstances arise and field changes are required.
- Contractor and their employees shall comply with OSHA requirements at all times on job site. Failure to do so could lead to breach and termination of contract.
- Contractor is responsible for, and needs to ensure the safety and health of tenants, employees and all others at the site and at all times once the project is under contract. The contractor and his/her employees shall follow all construction means and methods to ensure safety. This shall also apply during inclement weather where additional measures need to take place around the construction site and parking lots for safe entry to units/building.
- Contractor to construct or provide those means of entry/exit to each unit and/or building if the need arises. Access to all means of egress shall be provided and available at all times for residents. Access/means of egress shall comply with all local, state and federal codes. Entrances and exits shall have temporary and suitable coverings when working around those areas and a safety plan is to be preapproved by RHA SR. PRS before work commences.
- Construction site is to be picked up at the end of *each* day and tools and materials put away. Debris is to be collected and disposed of properly. The ground is to be raked clean, sidewalks swept clean and entry/exit areas available to the residents upon completion each day.
- Parking is limited so contractors may have to park on the side streets. Some parking may be allowed in the parking lot. This area will also have to be the location of the dumpster and any trailers necessary for the project to store materials. Set up of area must be approved by RHA project manager prior to the start of the project.
- Contractor to only place dumpster in a location that is out of the way and danger of anyone living in the building, visiting or passing by and to be confirmed with management of the building. Dumpsters need to be covered at night and taped-off when no work is going on.
- Contractor to adhere to working hours from 8:30 am-4:30 pm Monday thru Friday only unless special permission is granted from RHA or its assignees. All requests must be in writing. Contractors may show up on site earlier to get set up but no noise until 8:30 am.
- The use of swing scaffolding, lifts or other means of working on the project will need to be verified and approved prior to start of work.
- RHA project manager will invite contractor to use Procore Software during the project at no charge to them. Submittals will be entered into the program and approved by the architect/engineer.
- All materials are to be as noted, "or equal". Substitutions will need to be approved by architect.
- Contractor is to provide RHA project manager & architect with color selections of materials. Once a few colors have been chosen to sample, the coating samples shall be quart size containers for mock-ups on building. RHA project manager & architect will provide contractor with final color selection.
- Brick sample will need to be submitted for approval for any replacement.
- RHA Sr. Property Rehabilitation Specialist and architects/engineers will be on site to do periodic inspections and interviews of employees. Questions can be directed to any of them at that time or contact Sr. PRS for all questions or concerns.

# Jonathan Child Apartments Facade Repairs

## UNIT PRICES

The Contractor shall provide the UNIT PRICES for items below with the bid submission. Include in the amount of the UNIT PRICES, all labor, material, products, tools, equipment, plant and facilities, transportation, services and incidentals, erection, application or installation of the item of work, overhead and profit. The Base Bid of the contract shall include all work associated with the assumed quantities indicated below. ***If it is determined that quantities are more than the totals required at the end of the contract, then the contract amount shall be increased in accordance with the associated unit prices by change order. If it is determined that quantities are less than the totals required at the end of the contract, then the contract amount shall be reduced in accordance with the associated unit prices by change order.*** The unit will be necessary to complete the project and not for awarding the contract.

**A. Unit Price No.1 – Brick Replacement: \$ \_\_\_\_\_/each**

1. **Base Bid:** Assume **37 bricks in the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per brick to remove spalled or cracked brick and surrounding mortar. Replace with new brick and mortar to match existing color and texture.
3. **Unit of Measurement:** One brick.

**B. Unit Price No.2 – Loose Mortar: \$ \_\_\_\_\_/lf**

1. **Base Bid:** Assume **1006 linear feet in the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per linear feet to cut out loose or disintegrated mortar in joints to min.  $\frac{3}{4}$ " depth or 2  $\frac{1}{2}$  times the joint width or until sound mortar is reached at area indicated. Provide new mortar to match exiting color and texture.
3. **Unit of Measurement:** One (1) linear foot.

**C. Unit Price No.3 – Steel Lintel Painting: \$ \_\_\_\_\_/lf**

1. **Base Bid:** Assume **105 linear feet in the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per linear foot to scrape clean existing steel lintel, prime and paint.
3. **Unit of Measurement:** One (1) linear foot.

**D. Unit Price No.4 - Remove and Replace Sealant: \$ \_\_\_\_\_/lf**

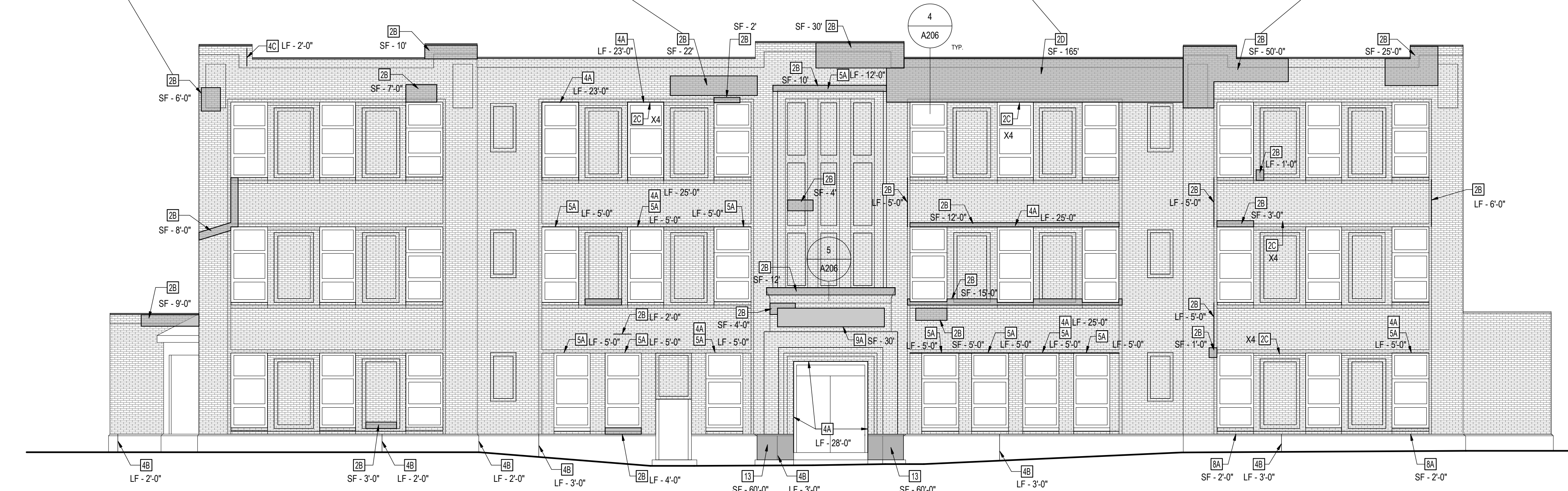
1. **Base Bid:** Assume **903 linear feet in the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per linear foot to remove existing loose or disintegrated sealant, provide and install new sealant.
3. **Unit of Measurement:** One (1) linear foot.

**E. Unit Price No.5 – Loose Metal Panels: \$ \_\_\_\_\_/lf**

1. **Base Bid:** Assume **1 area as designated on the drawings for the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per linear foot to securely attach loose metal panels.
3. **Unit of Measurement:** One (1) linear foot.



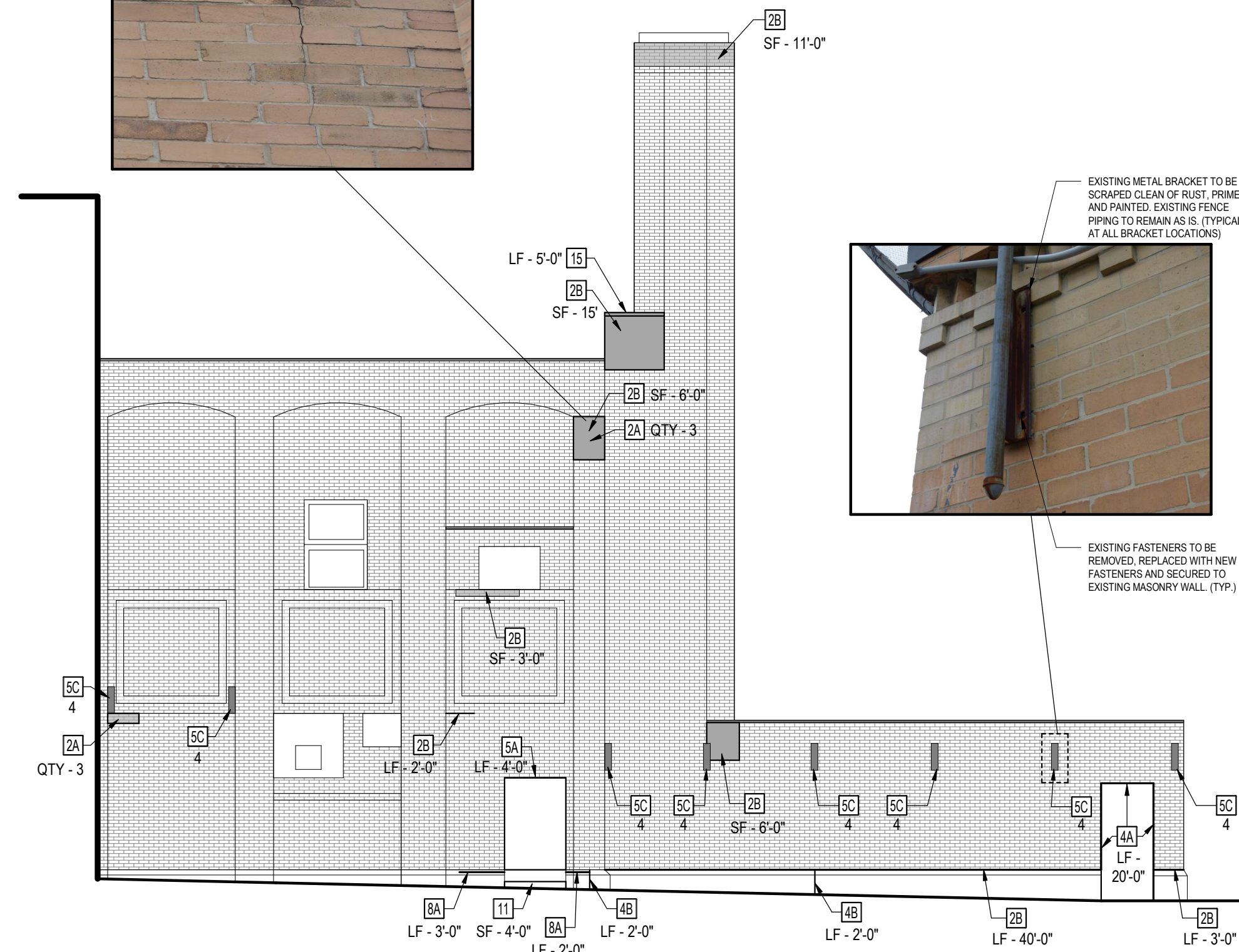




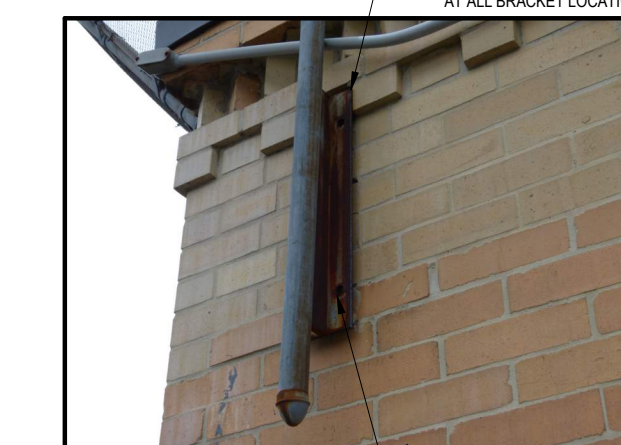
**1 EAST ELEVATION**  
1/8" = 1'-0"



**2 NORTH ELEVATION**  
1/8" = 1'-0"



**3 NORTH ELEVATION**  
1/8" = 1'-0"



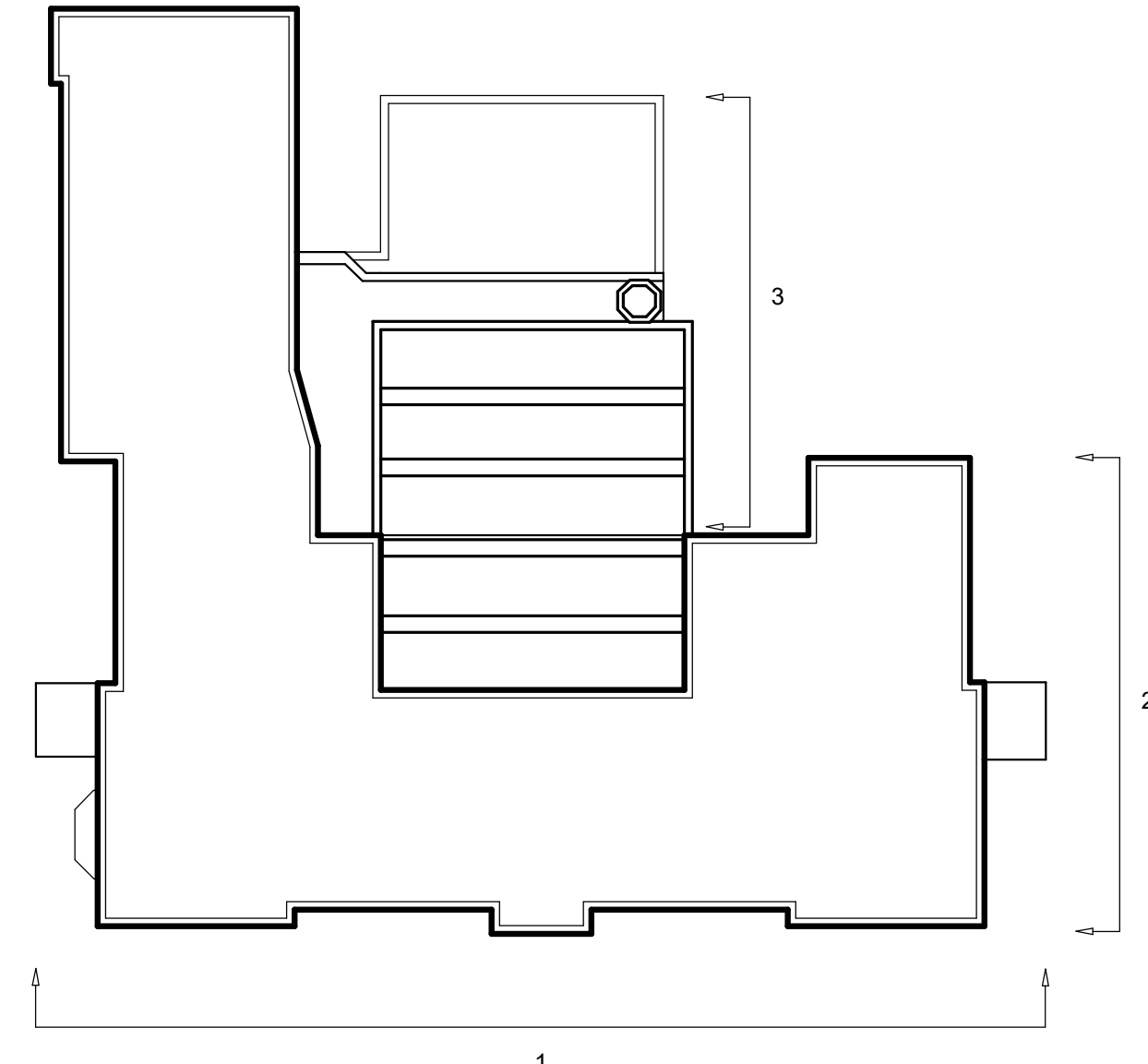
EXISTING METAL BRACKET TO BE SCRAPED CLEAN OF RUST, PRIMED AND PAINTED. EXISTING PIPING TO REMAIN AS IS. (TYPICAL AT ALL BRACKET LOCATIONS)

EXISTING FASTENERS TO BE REMOVED, REPLACED WITH NEW FASTENERS AND SECURED TO EXISTING MASONRY WALL. (TYP)

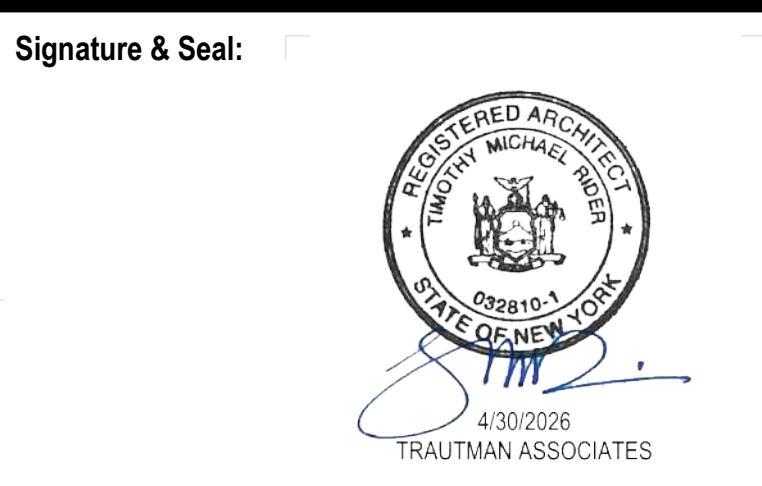
**GENERAL NOTES:**

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- UNLESS INDICATED OTHERWISE, ALL MATERIALS FURNISHED AND INCORPORATED INTO THE WORK SHALL BE NEW, UNUSED AND OF QUALITY STANDARD TO THE INDUSTRY FOR FIRST CLASSWORK OF NATURE AND CHARACTER.
- DO NOT SCALE THE DRAWINGS. NOTIFY THE ARCHITECT IF ADDITIONAL DIMENSIONS AND/OR INFORMATION ARE REQUIRED.
- PROVIDE PRODUCTS AND MATERIALS INDICATED GRAPHICALLY, NOTED AND SPECIFIED. VERIFY ALL EXISTING CONDITIONS AT THE SITE. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD DIMENSIONS TO THE ARCHITECT BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXTERIOR FINISHES, EQUIPMENT AND OTHER INSTALLATIONS.
- CONTRACTOR SHALL PROVIDE AND ERECT TEMPORARY BARRICADES, WARNING SIGNS AND PROTECTION AS REQUIRED TO SECURE THE PROJECT SITE AND FOR THE PROTECTION OF THE CONSTRUCTION SITE AND PUBLIC.
- CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE/REPLACE ANY DAMAGED MATERIAL(S) CAUSED BY DEMOLITION AND NEW CONSTRUCTION WORK WITH LIKE MATERIALS TO MATCH EXISTING CONSTRUCTION AND FINISHES.
- CONTINUOUSLY MAINTAIN THE WORK AREA IN A CLEAN AND SAFE CONDITION.
- THESE DOCUMENTS ARE PREPARED FOR THIS PROJECT ONLY. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY REUSE AND SHALL BE HELD HARMLESS AND BE INDEMNIFIED FOR ANY LEGAL COSTS INCURRED AS A RESULT OF OWNER'S UNAUTHORIZED USE OF THESE DOCUMENTS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO THE START OF CONSTRUCTION.
- ALL BUILDING SURFACES, MASONRY, METAL PANEL, EPFS, AND SANDSTONE (VERTICAL/HORIZONTAL) TO BE CLEANED USING MILD DETERGENT / POWER WASH (LOW PRESSURE RINSE) REMOVING DIRT, MOLD MILDEW, AND LOOSE MATERIALS. PROTECT A/C UNITS AND LANDSCAPING AS REQUIRED - REFER TO SPECIFICATIONS.
- APPLY WATER REPELLANT SEALER ON ALL BUILDING MASONRY AND SANDSTONE SURFACES (VERTICAL/HORIZONTAL) REFER TO MANUFACTURER'S GUIDELINES FOR PROPER INSTALLATION. PROTECT ADJACENT SURFACES AND LANDSCAPING AS REQUIRED - REFER TO SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY TOILETS AS NEEDED. COORDINATE LOCATION WITH OWNER.

DRAWING NOTES		
NUMBER	MEASURE	KEYNOTE
1A	---	NOT USED
2A	QUANTITY 37	CUT OUT DAMAGED OR DETERIORATED MASONRY AND MORTAR JOINTS WITH CARE IN A MANNER TO PREVENT DAMAGE TO ANY ADJACENT REMAINING MATERIALS AT AREA INDICATED. INSTALL BUILT IN MASONRY WORK TO MATCH AND ALIGN WITH EXISTING, WITH JOINTS AND COURSING TRUE AND LEVEL. FACES PLUMB AND IN LINE. BUILD IN ALL OPENINGS, ACCESSORIES AND FITTINGS.
2B	1,006 SF & 319 LF	CUT OUT LOOSE OR DISINTEGRATED MORTAR IN JOINTS TO MIN 3/4" DEPTH OR 2-1/2 TIMES THE JOINT WIDTH OR UNTIL SOUND MORTAR IS REACHED AT AREA INDICATED. PROVIDE NEW MORTAR TO MATCH EXISTING COLOR AND TEXTURE.
2C	QUANTITY 52	CAREFULLY REMOVE EXISTING WEEP AND REMOVE VERTICAL MORTAR JOINT FULL DEPTH OF BRICK AND TO HEIGHT REQUIRED BY NEW WEEP COVER. PROVIDE AND INSTALL NEW WEEP
2D	165 SF	REMOVE PARAPET BRICK MASONRY DOWN TO THE TOP OF THE WINDOW AT THE LINTEL. SALVAGE EXISTING BRICK FOR REUSE. REMOVE EXISTING LINTEL AND INSTALL NEW METAL LINTEL. RECONSTRUCT BRICK MASONRY PARAPET WALL USING REUSABLE SALVAGED BRICK MIXED THROUGHOUT WITH CLOSELY MATCHING REPLACEMENT BRICK AS REQUIRED. ASSUME 90% OF NEW BRICK. REFER TO DETAIL 4A206
4A	832 LF	REMOVE EXISTING SEALANT IN ENTIRETY. CLEAN SURFACES AS REQUIRED AND PROVIDE NEW SEALANT AT BRICK MASONRY
4B	58 LF	REMOVE EXISTING SEALANT IN ENTIRETY. CLEAN SURFACES AS REQUIRED AND PROVIDE NEW SEALANT AT SANDSTONE MASONRY
4C	13 LF	REMOVE EXISTING SEALANT IN ENTIRETY. CLEAN SURFACES AS REQUIRED AND PROVIDE NEW SEALANT AT METAL PANEL
5A	105 LF	EXISTING LINTEL TO BE SCRAPED CLEAN OF RUST, PRIMED AND PAINT.
5B	37 SF	EXISTING METAL TO BE SCRAPED CLEAN OF RUST, PRIMED AND PAINT.
5C	QUANTITY 82	EXISTING FASTENERS TO BE REMOVED, REPLACED WITH NEW FASTENERS AND SECURED TO EXISTING MASONRY WALL
6A	15 SF	REMOVE PORTION OF EXISTING RUBBERIZED ROOF MEMBRANE AT EDGE OF ROOF. PROVIDE AND INSTALL NEW 6" RUBBER SPLICE TAPE OVER THE EXISTING ROOFING MEMBRANE AND METAL DRIP EDGE.
7A	56 LF & 5 SF	PATCH AND REPAIR EXTERIOR CONCRETE STUCCO WALL, PRIME AND PAINT TO MATCH EXISTING COLOR AND FINISH
8A	9 SF	PATCH AND REPAIR TOP OF SANDSTONE
9A	30 SF	PATCH, REPAIR, AND PAINT EXISTING PRECAST CONCRETE SIGNAGE. PAINT - BASIS OF DESIGN KEIM SOLDALIT-GROB BASE COAT & SOLIDALIT-SMOOTH TOP COAT. TINT COLOR SELECTED BY ARCHITECT. REMOVE AND REPLACE EXISTING SEALANT WITH NEW.
10	QUANTITY 7	REMOVE AND REINSTALL EXISTING LIGHT FIXTURE AND ASSOCIATED ACCESSORIES AS REQUIRED FOR SCOPE OF WORK
11	4 SF	PATCH, REPAIR, AND PAINT EXISTING CONCRETE TO MATCH EXISTING
12	---	EXISTING METAL PANEL TO BE SECURELY ANCHORED
13	120 SF	PATCH, REPAIR, AND RECOAT EXISTING MASONRY SANDSTONE AREA. BASIS OF DESIGN KEIM SOLDALIT-GROB BASE COAT & SOLIDALIT-SMOOTH TOP COAT. TINT COLOR SELECTED BY ARCHITECT.
14	6 SF	PATCH AND INFILL WITH NEW EPFS SYSTEM TO MATCH EXISTING - PAINT EXISTING & NEW EPFS END TO END
15	12 LF	PROVIDE ALUMINUM COPING CAP - FINISH TO MATCH EXISTING
16	---	AT EXISTING DRAIN PIPE - PROVIDE ELBOW AND SPLASH BLOCK AT FLOOR TO REDIRECT WATER AWAY FROM WALL



**KEYPLAN**  
NOT TO SCALE



WARNING: ALTERATIONS TO THIS DOCUMENT NOT CONFORMING TO SECTION 209.2 OR 69.5(B) STATE EDUCATION LAW, ARE PROHIBITED. NOT PUBLISHED. ALL RIGHTS RESERVED.

Client: ROCHESTER HOUSING AUTHORITY

Project: JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION

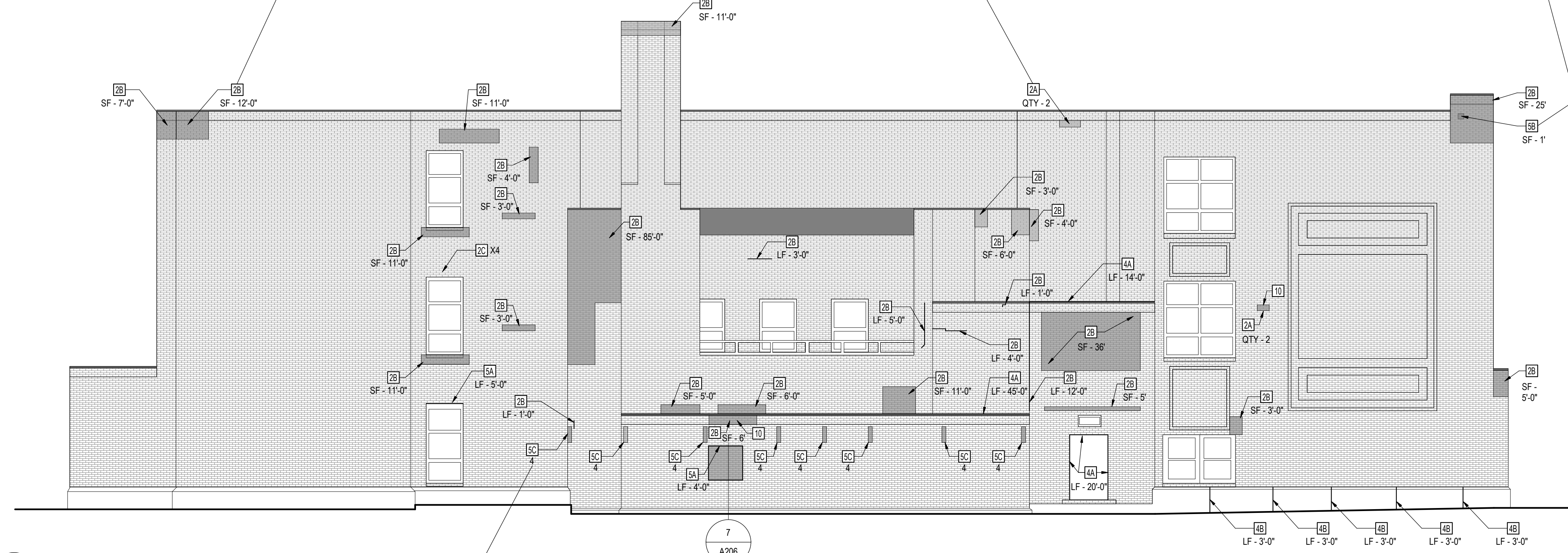
Project Address: 399 COLVIN ST ROCHESTER, NY

Drawing History: # Date Description

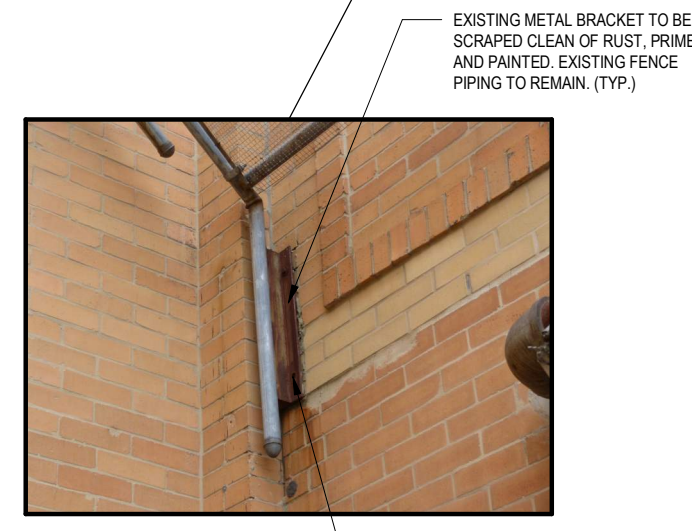
Project Status: BID DOCUMENTS

Date: 09/04/2024  
Project Number: 24042.00  
Sheet Title: EXTERIOR ELEVATIONS AND NOTES

Sheet Number: **A200**



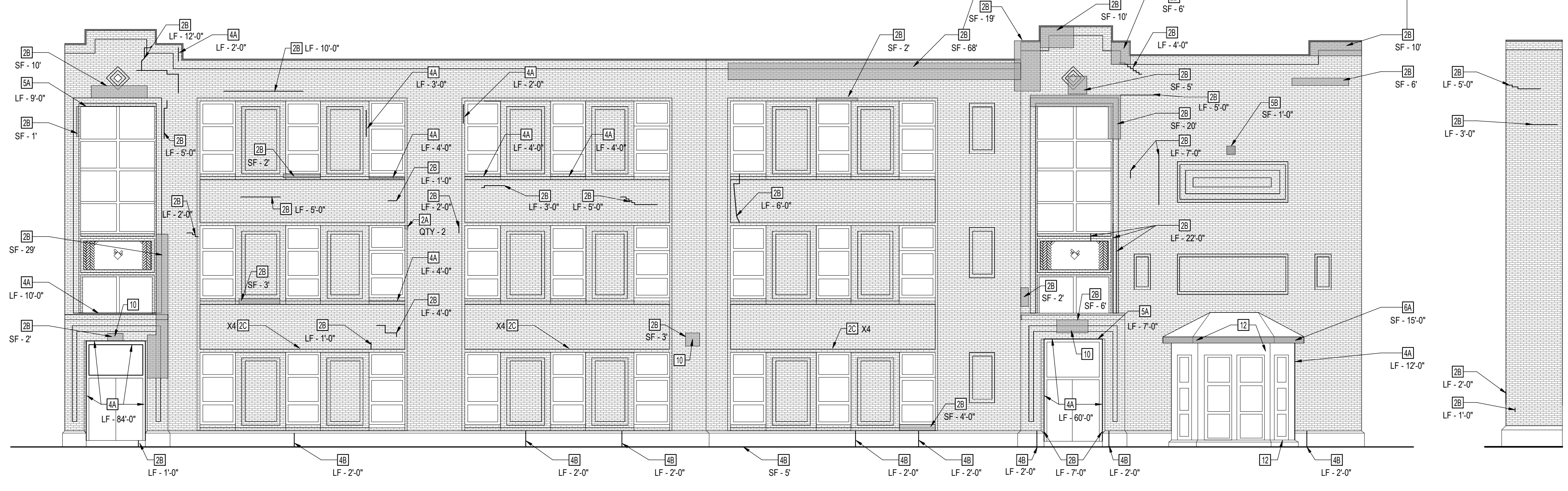
**4 WEST ELEVATION**  
1/8" = 1'-0"



EXISTING METAL BRACKET TO BE SCRAPED CLEAN OF RUST, PRIME AND PAINTED. EXISTING FENCE RING TO REMAIN (TYP).



EXISTING FASTENERS TO BE REMOVED, REPLACED WITH NEW FASTENERS AND SECURED TO EXISTING MASONRY WALL (TYP).



**5 SOUTH ELEVATION**  
1/8" = 1'-0"

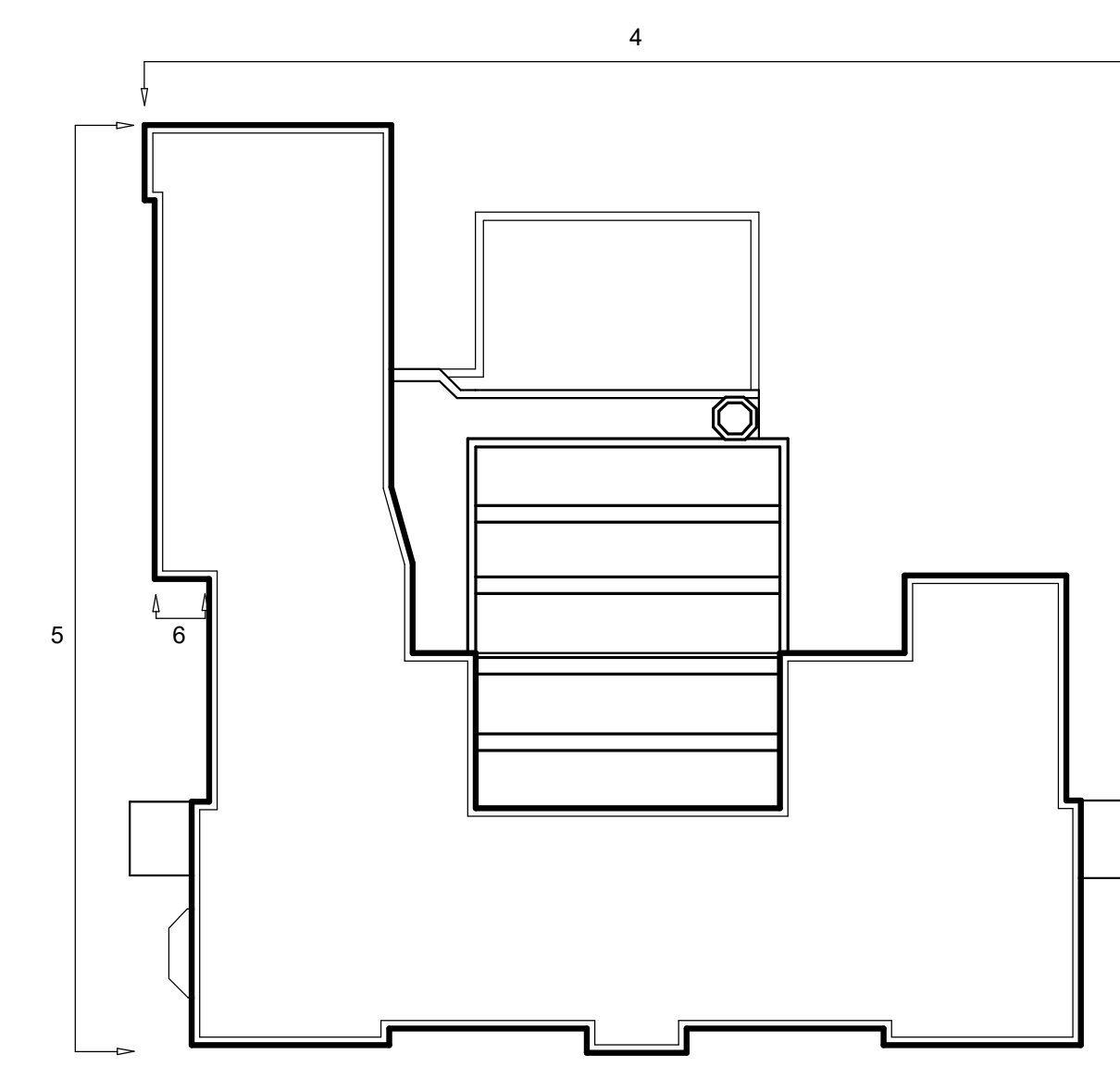
**6 PARTIAL ELEV.**  
1/8" = 1'-0"

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2B	1,006 SF & 319 LF	CUT OUT LOOSE OR DISINTEGRATED MORTAR IN JOINTS TO MIN 3/4" DEPTH OR 2-1/2 TIMES THE JOINT WIDTH OR UNTIL SOUND MORTAR IS REACHED AT AREA INDICATED. PROVIDE NEW MORTAR TO MATCH EXISTING COLOR AND TEXTURE.
2C	QUANTITY 52	CAREFULLY REMOVE EXISTING WEEP AND REMOVE VERTICAL MORTAR JOINT FULL DEPTH OF BRICK AND TO HEIGHT REQUIRED BY NEW WEEP COVER. PROVIDE AND INSTALL NEW WEEP
2D	165 SF	REMOVE PARAPET BRICK MASONRY DOWN TO THE TOP OF THE WINDOW AT THE LINTEL. SALVAGE EXISTING BRICK FOR REUSE. REMOVE EXISTING LINTEL AND INSTALL NEW METAL LINTEL. RECONSTRUCT BRICK MASONRY PARAPET WALL USING REUSABLE SALVAGED BRICK MIXED THROUGHOUT WITH CLOSELY MATCHING REPLACEMENT BRICK AS REQUIRED. ASSUME 90% OF NEW BRICK. REFER TO DETAIL 4A206
4A	832 LF	REMOVE EXISTING SEALANT IN ENTIRETY. CLEAN SURFACES AS REQUIRED AND PROVIDE NEW SEALANT AT BRICK MASONRY
4B	58 LF	REMOVE EXISTING SEALANT IN ENTIRETY. CLEAN SURFACES AS REQUIRED AND PROVIDE NEW SEALANT AT SANDSTONE MASONRY
4C	13 LF	REMOVE EXISTING SEALANT IN ENTIRETY. CLEAN SURFACES AS REQUIRED AND PROVIDE NEW SEALANT AT METAL PANEL
5A	105 LF	EXISTING LINTEL TO BE SCRAPED CLEAN OF RUST, PRIME AND PAINT.
5B	37 SF	EXISTING METAL TO BE SCRAPED CLEAN OF RUST, PRIME AND PAINT.
5C	QUANTITY 82	EXISTING FASTENERS TO BE REMOVED, REPLACED WITH NEW FASTENERS AND SECURED TO EXISTING MASONRY WALL
6A	15 SF	REMOVE PORTION OF EXISTING RUBBERIZED ROOF MEMBRANE AT EDGE OF ROOF. PROVIDE AND INSTALL NEW 6" RUBBER SPLICE TAPE OVER THE EXISTING ROOFING MEMBRANE AND METAL DRIP EDGE.
7A	56 LF & 5 SF	PATCH AND REPAIR EXTERIOR CONCRETE STUCCO WALL, PRIME AND PAINT TO MATCH EXISTING COLOR AND FINISH
8A	9 SF	PATCH AND REPAIR TOP OF SANDSTONE
9A	30 SF	PATCH, REPAIR, AND PAINT EXISTING PRECAST CONCRETE SIGNAGE. PAINT - BASIS OF DESIGN KEIM SOLDALIT-GROB BASE COAT & SOLDALIT-SMOOTH TOP COAT. TINT COLOR SELECTED BY ARCHITECT. REMOVE AND REPLACE EXISTING SEALANT WITH NEW.
10	QUANTITY 7	REMOVE AND REINSTALL EXISTING LIGHT FIXTURE AND ASSOCIATED ACCESSORIES AS REQUIRED FOR SCOPE OF WORK
11	4 SF	PATCH, REPAIR, AND PAINT EXISTING CONCRETE TO MATCH EXISTING
12	---	EXISTING METAL PANEL TO BE SECURELY ANCHORED
13	120 SF	PATCH, REPAIR, AND RECOAT EXISTING MASONRY SANDSTONE AREA. BASIS OF DESIGN KEIM SOLDALIT-GROB BASE COAT & SOLDALIT-SMOOTH TOP COAT. TINT COLOR SELECTED BY ARCHITECT.
14	6 SF	PATCH AND INFILL WITH NEW EFIS SYSTEM TO MATCH EXISTING - PAINT EXISTING & NEW EFIS END TO END
15	12 LF	PROVIDE ALUMINUM COPING CAP - FINISH TO MATCH EXISTING
16	---	AT EXISTING DRAIN PIPE - PROVIDE ELBOW AND SPLASH BLOCK AT FLOOR TO REDIRECT WATER AWAY FROM WALL



**KEYPLAN**  
NOT TO SCALE

Signature & Seal:



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**Client:** ROCHESTER HOUSING AUTHORITY

**Project:** JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION

**Project Address:** 399 COLVIN ST ROCHESTER, NY

**Drawing History:** # Date Description

**Project Status:** BID DOCUMENTS

**Date:** 09/04/2024  
**Project Number:** 24042.00  
**Sheet Title:** EXTERIOR ELEVATIONS AND NOTES

**Sheet Number:** A201

Signature & Seal:



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Client: ROCHESTER HOUSING AUTHORITY

Project: JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION

Project Address: 399 COLVIN ST ROCHESTER, NY

Drawing History: # Date Description

Project Status: **BID DOCUMENTS**

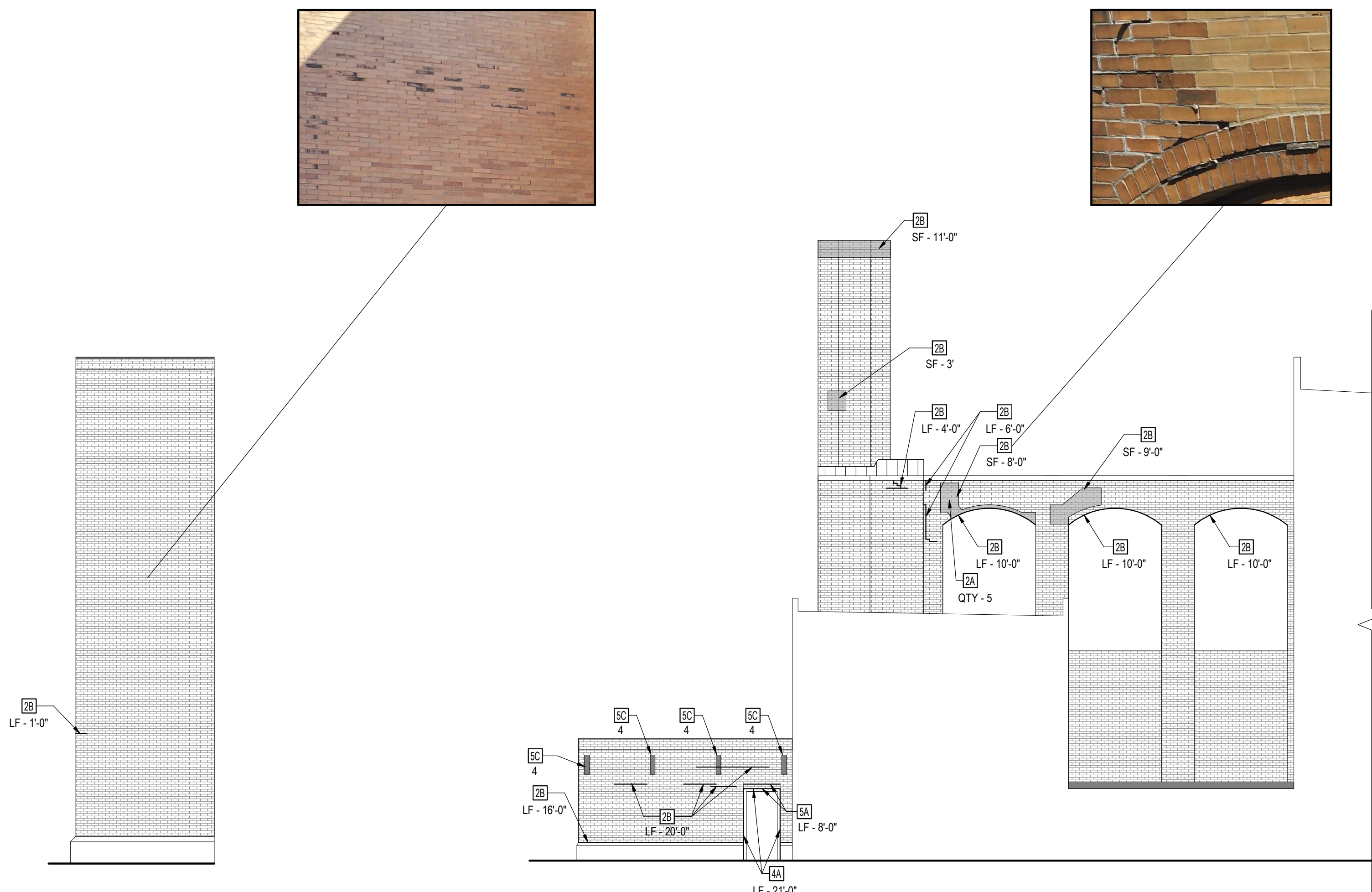
Date: 09/04/2024  
Project Number: 24042.00  
Sheet Title: **PARTIAL EXTERIOR ELEVATIONS AND NOTES**

Sheet Number: **A202**

- GENERAL NOTES:**
- WORK SHALL BE EXECUTED BY PERSONS EXPERIENCED IN THE TRADE THEY ARE PERFORMING. PRODUCTS SHALL BE INSTALLED IN CONFORMANCE WITH THE CONTRACT DOCUMENTS AND WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS, SPECIFICATIONS AND ACCEPTED TRADE INDUSTRY STANDARDS.
  - UNLESS INDICATED OTHERWISE, ALL MATERIALS FURNISHED AND INCORPORATED INTO THE WORK SHALL BE NEW, UNUSED AND OF QUALITY STANDARD TO THE INDUSTRY FOR FIRST CLASSWORK OF NATURE AND CHARACTER.
  - DO NOT SCALE THE DRAWINGS. NOTIFY THE ARCHITECT IF ADDITIONAL DIMENSIONS AND/OR INFORMATION ARE REQUIRED.
  - PROVIDE PRODUCTS AND MATERIALS INDICATED GRAPHICALLY, NOTED AND SPECIFIED. VERIFY ALL EXISTING CONDITIONS AT THE SITE. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD DIMENSIONS TO THE ARCHITECT BEFORE CONSTRUCTION BEGINS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXTERIOR FINISHES, EQUIPMENT AND OTHER INSTALLATIONS.
  - CONTRACTOR SHALL PROVIDE AND ERECT TEMPORARY BARRICADES, WARNING SIGNS AND PROTECTION AS REQUIRED TO SECURE THE PROJECT SITE AND FOR THE PROTECTION OF THE CONSTRUCTION SITE AND PUBLIC.
  - CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE/REPLACE ANY DAMAGED MATERIAL(S) CAUSED BY DEMOLITION AND NEW CONSTRUCTION WORK WITH LIKE MATERIALS TO MATCH EXISTING CONSTRUCTION AND FINISHES.
  - CONTINUOUSLY MAINTAIN THE WORK AREA IN A CLEAN AND SAFE CONDITION.
  - THESE DOCUMENTS ARE PREPARED FOR THIS PROJECT ONLY. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY REUSE AND SHALL BE HELD HARMLESS AND BE INDEMNIFIED FOR ANY LEGAL COSTS INCURRED AS A RESULT OF OWNER'S UNAUTHORIZED USE OF THESE DOCUMENTS.
  - CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO THE START OF CONSTRUCTION.
  - ALL BUILDING SURFACES, MASONRY, METAL PANEL EFIS, AND SANDSTONE (VERTICAL/HORIZONTAL) TO BE CLEANED USING MILD DETERGENT / POWER WASH (LOW PRESSURE RINSE) REMOVING DIRT, MOLD MILDEW, AND LOOSE MATERIALS. PROTECT A/C UNITS AND LANDSCAPING AS REQUIRED - REFER TO SPECIFICATIONS.
  - APPLY WATER REPELLANT SEALER ON ALL BUILDING MASONRY AND SANDSTONE SURFACES (VERTICAL/HORIZONTAL). REFER TO MANUFACTURER'S GUIDELINES FOR PROPER INSTALLATION. PROTECT ADJACENT SURFACES AND LANDSCAPING AS REQUIRED - REFER TO SPECIFICATIONS.
  - CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY TOILETS AS NEEDED. COORDINATE LOCATION WITH OWNER.

**DRAWING NOTES**

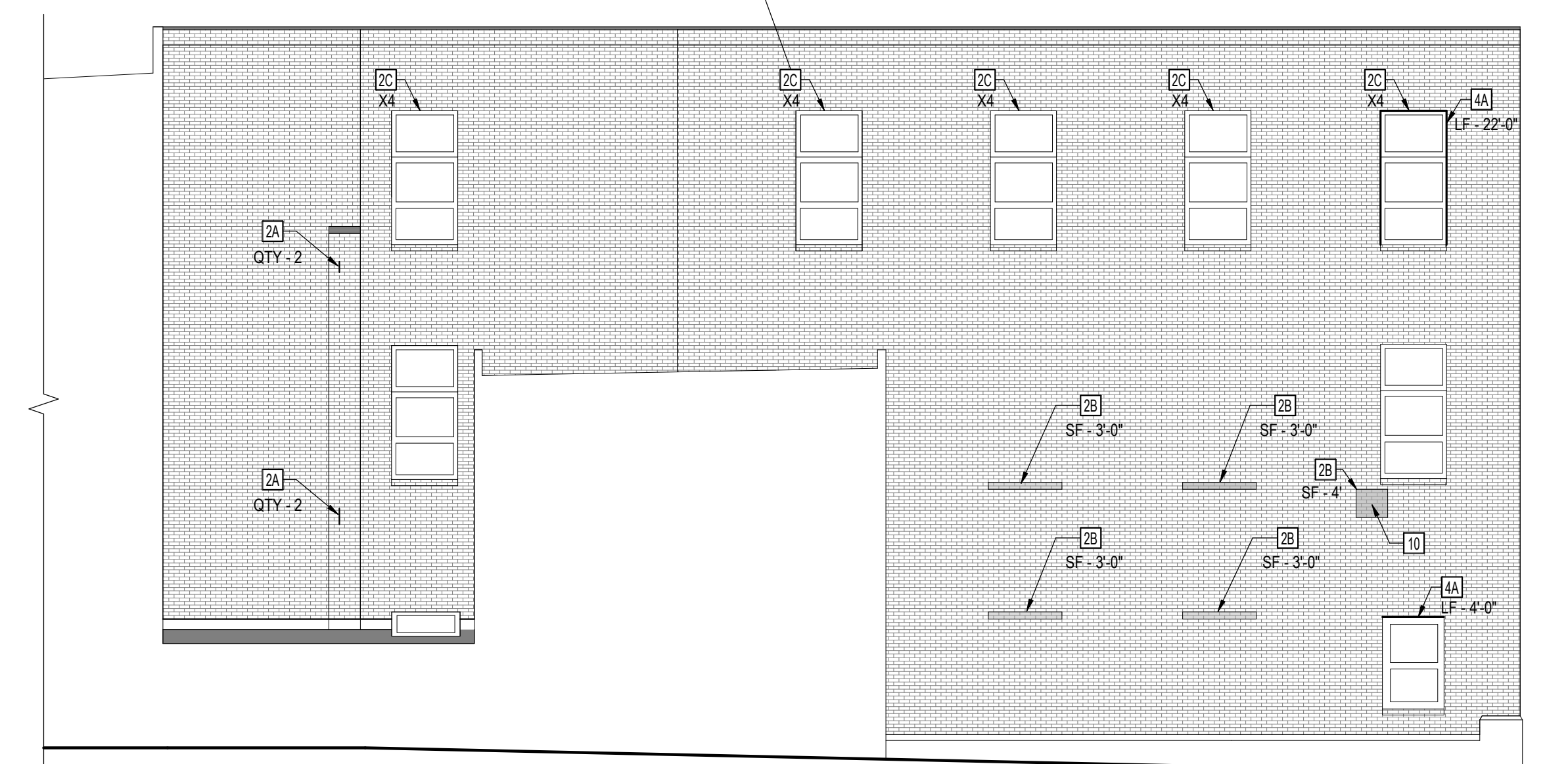
NUMBER	MEASURE	KEYNOTE
1A	---	NOT USED
2A	QUANTITY 37	CUT OUT DAMAGED OR DETERIORATED MASONRY AND MORTAR JOINTS WITH CARE IN A MANNER TO PREVENT DAMAGE TO ANY ADJACENT REMAINING MATERIALS AT AREA INDICATED. INSTALL BUILT IN MASONRY WORK TO MATCH AND ALIGN WITH EXISTING, WITH JOINTS AND COURSING TRUE AND LEVEL, FACES PLUMB AND IN LINE. BUILD IN ALL OPENINGS, ACCESSORIES AND FITTINGS.
2B	1,006 SF & 319 LF	CUT OUT LOOSE OR DISINTEGRATED MORTAR IN JOINTS TO MIN 3/4" DEPTH OR 2-1/2 TIMES THE JOINT WIDTH OR UNTIL SOUND MORTAR IS REACHED AT AREA INDICATED. PROVIDE NEW MORTAR TO MATCH EXISTING COLOR AND TEXTURE.
2C	QUANTITY 52	CAREFULLY REMOVE EXISTING WEEP AND REMOVE VERTICAL MORTAR JOINT FULL DEPTH OF BRICK AND TO HEIGHT REQUIRED BY NEW WEEP COVER. PROVIDE AND INSTALL NEW WEEP
2D	165 SF	REMOVE PARAPET BRICK MASONRY DOWN TO THE TOP OF THE WINDOW AT THE LINTEL. SALVAGE EXISTING BRICK FOR REUSE. REMOVE EXISTING LINTEL AND INSTALL NEW METAL LINTEL. RECONSTRUCT BRICK MASONRY PARAPET WALL USING REUSABLE SALVAGED BRICK MIXED THROUGHOUT WITH CLOSELY MATCHING REPLACEMENT BRICK AS REQUIRED. ASSUME 50% OF NEW BRICK. REFER TO DETAIL 4A205
4A	832 LF	REMOVE EXISTING SEALANT IN ENTIRETY. CLEAN SURFACES AS REQUIRED AND PROVIDE NEW SEALANT AT BRICK MASONRY
4B	58 LF	REMOVE EXISTING SEALANT IN ENTIRETY. CLEAN SURFACES AS REQUIRED AND PROVIDE NEW SEALANT AT SANDSTONE MASONRY
4C	13 LF	REMOVE EXISTING SEALANT IN ENTIRETY. CLEAN SURFACES AS REQUIRED AND PROVIDE NEW SEALANT AT METAL PANEL
5A	105 LF	EXISTING LINTEL TO BE SCRAPED CLEAN OF RUST, PRIMED AND PAINT.
5B	37 SF	EXISTING METAL TO BE SCRAPED CLEAN OF RUST, PRIMED AND PAINT.
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6A	15 SF	REMOVE PORTION OF EXISTING RUBBERIZED ROOF MEMBRANE AT EDGE OF ROOF. PROVIDE AND INSTALL NEW 6" RUBBER SPLICE TAPE OVER THE EXISTING ROOFING MEMBRANE AND METAL DRIP EDGE.
7A	56 LF & 5 SF	PATCH AND REPAIR EXTERIOR CONCRETE STUCCO WALL. PRIME AND PAINT TO MATCH EXISTING COLOR AND FINISH
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9A	30 SF	PATCH, REPAIR, AND PAINT EXISTING PRECAST CONCRETE SIGNAGE. PAINT - BASIS OF DESIGN KEIM SOLDALIT-GROB BASE COAT & SOLDALIT-SMOOTH TOP COAT. TINT COLOR SELECTED BY ARCHITECT. REMOVE AND REPLACE EXISTING SEALANT WITH NEW.
10	QUANTITY 7	REMOVE AND REINSTALL EXISTING LIGHT FIXTURE AND ASSOCIATED ACCESSORIES AS REQUIRED FOR SCOPE OF WORK
11	4 SF	PATCH, REPAIR, AND PAINT EXISTING CONCRETE TO MATCH EXISTING
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14	6 SF	PATCH AND INFILL WITH NEW EFIS SYSTEM TO MATCH EXISTING - PAINT EXISTING & NEW EFIS END TO END
15	12 LF	PROVIDE ALUMINUM COPING CAP - FINISH TO MATCH EXISTING
16	---	AT EXISTING DRAIN PIPE - PROVIDE ELBOW AND SPLASH BLOCK AT FLOOR TO REDIRECT WATER AWAY FROM WALL



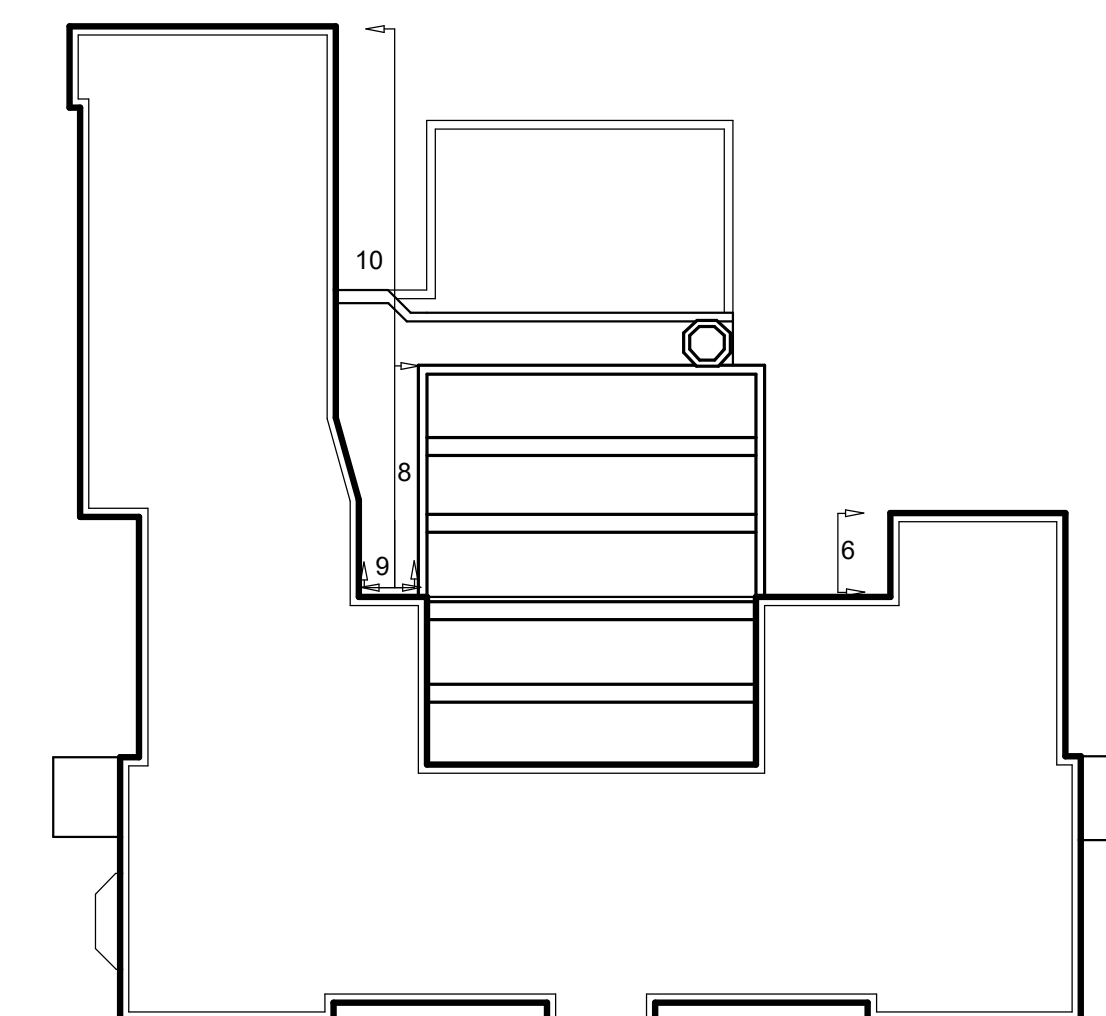
**7 PARTIAL ELEV.**  
1/8" = 1'-0"

**8 PARTIAL ELEVATION**  
1/8" = 1'-0"

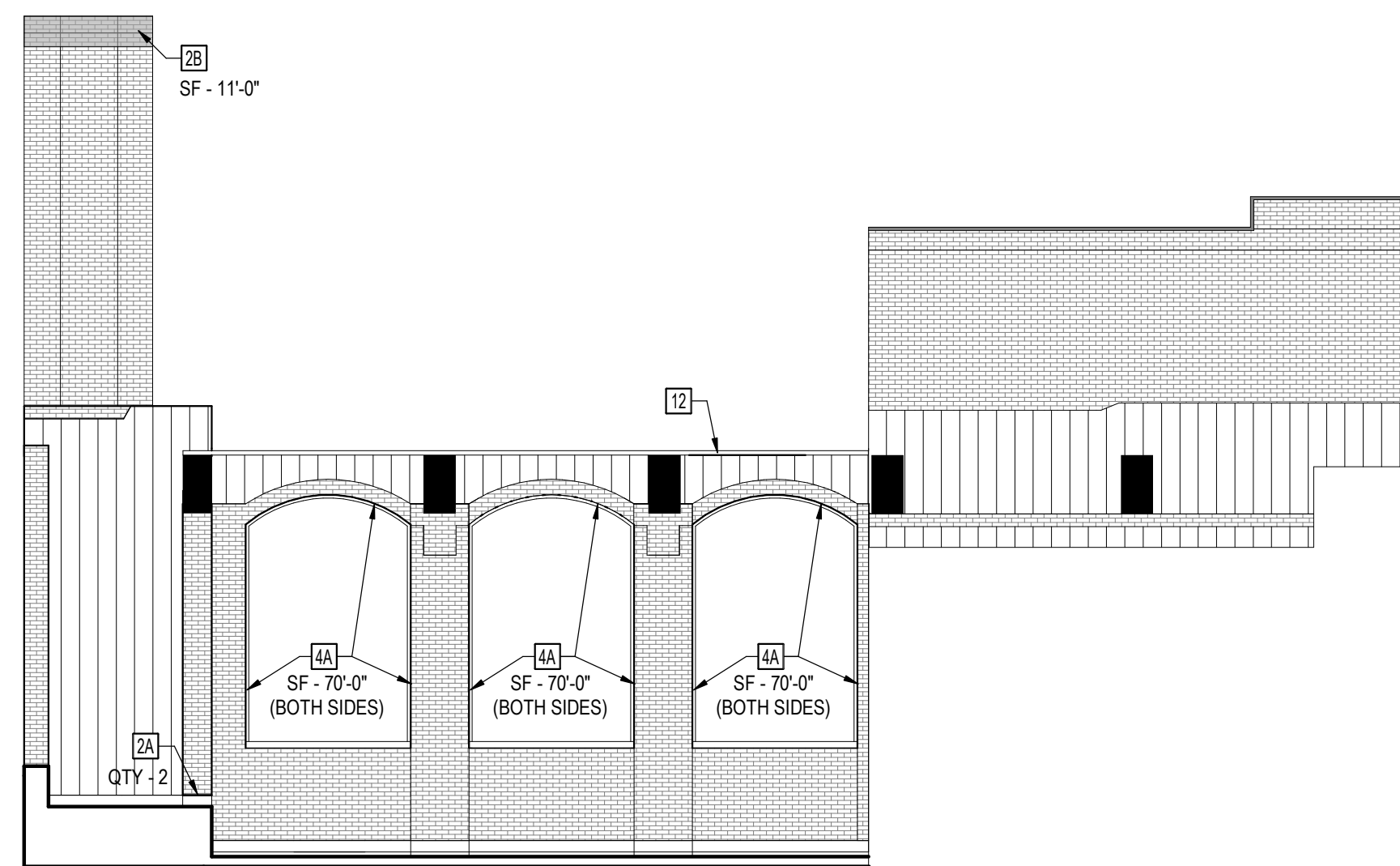
**9 PARTIAL ELEVATION**  
1/8" = 1'-0"



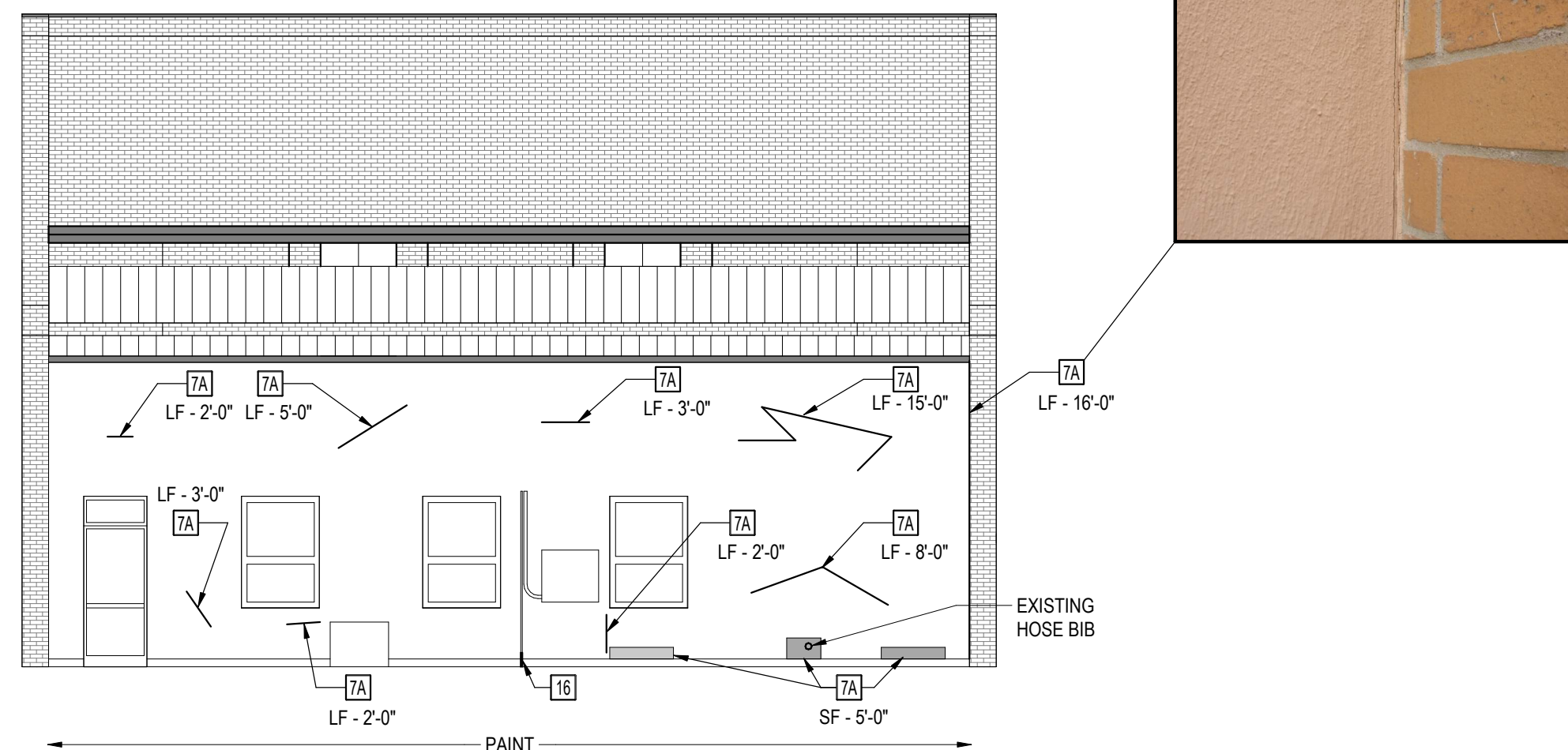
**10 PARTIAL ELEVATION**  
1/8" = 1'-0"



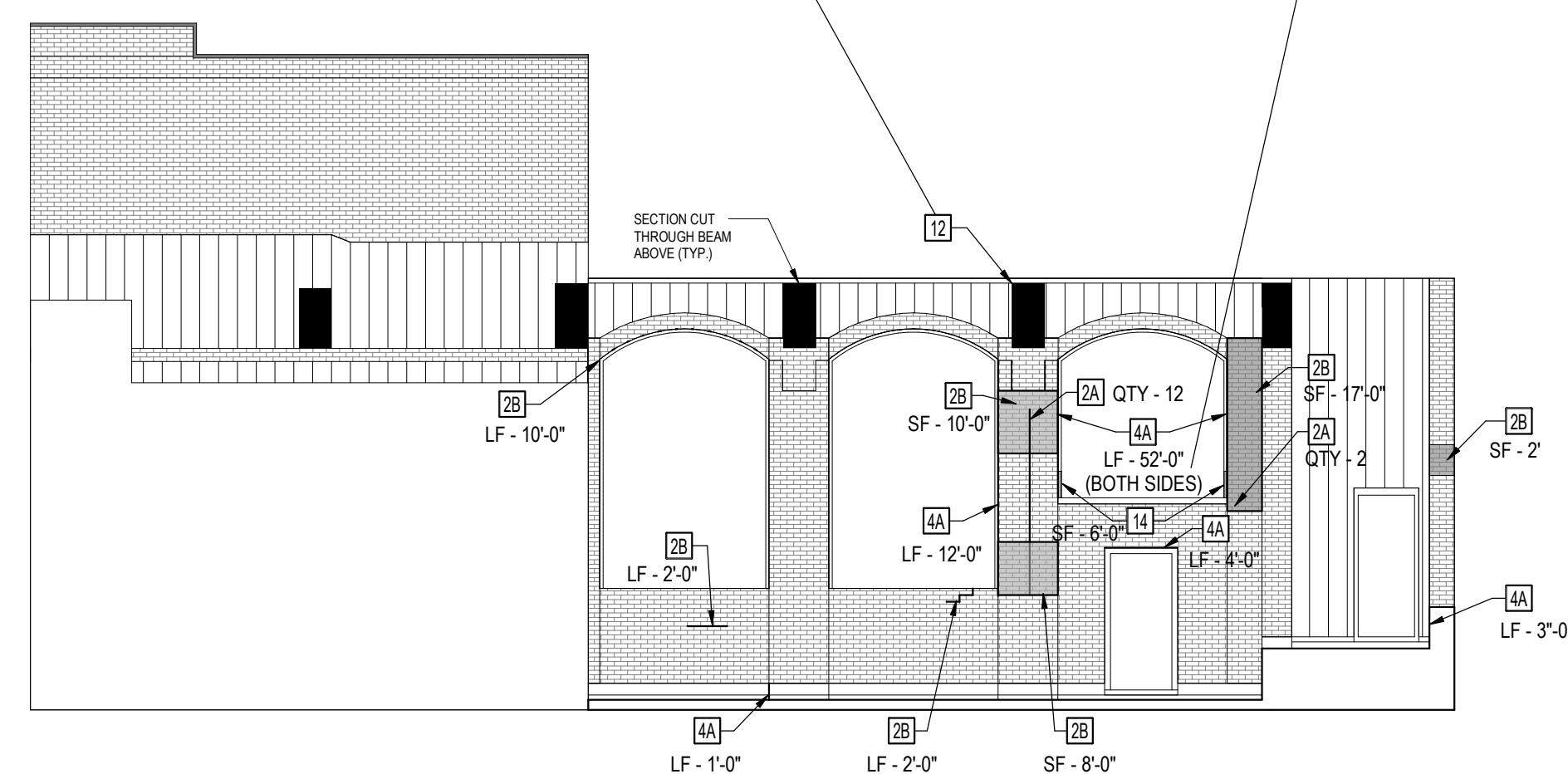
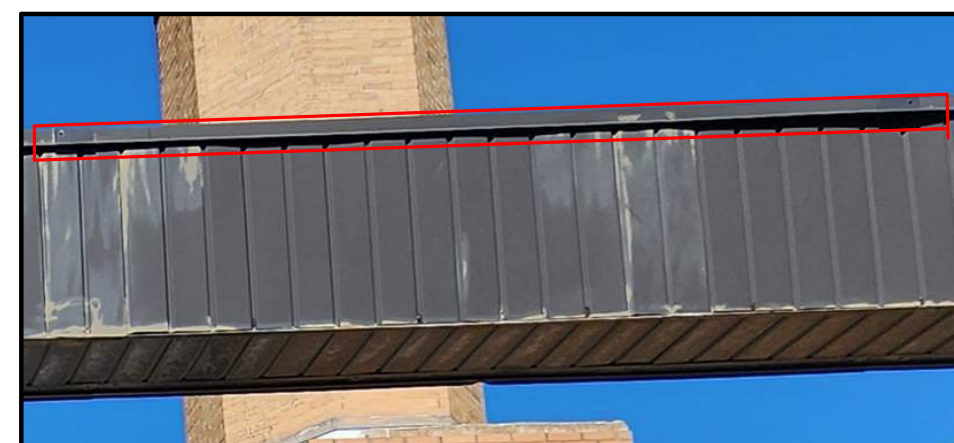
**KEYPLAN**  
NOT TO SCALE



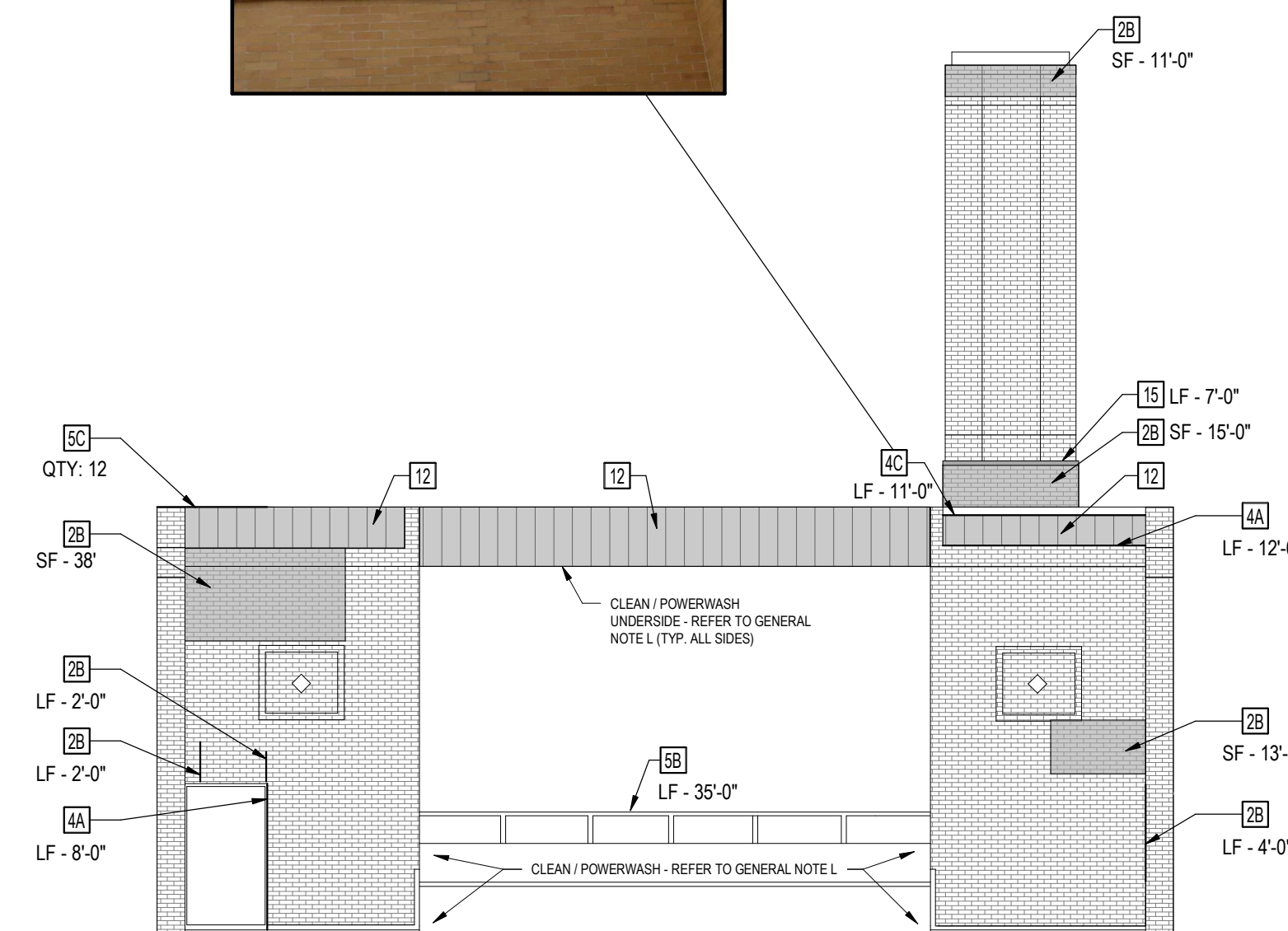
**11 NORTH ELEVATION TERRACE**  
1/8" = 1'-0"



**12 EAST ELEVATION TERRACE**  
1/8" = 1'-0"



**13 SOUTH ELEVATION TERRACE**  
1/8" = 1'-0"



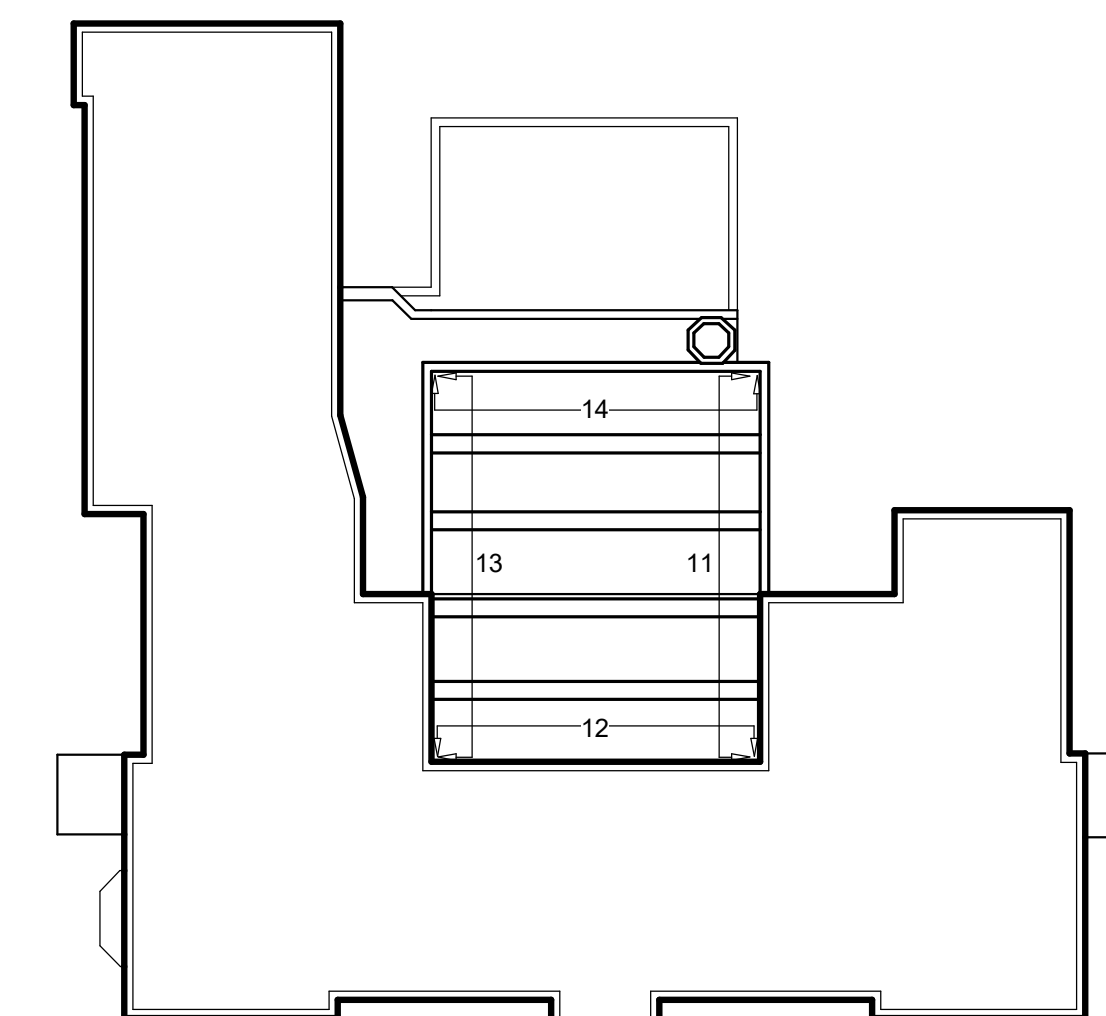
**14 WEST ELEVATION TERRACE**  
1/8" = 1'-0"

**GENERAL NOTES:**

- A. WORK SHALL BE EXECUTED BY PERSONS EXPERIENCED IN THE TRADE THEY ARE PERFORMING. PRODUCTS SHALL BE INSTALLED IN CONFORMANCE WITH THE CONTRACT DOCUMENTS AND WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS, SPECIFICATIONS AND ACCEPTED TRADE INDUSTRY STANDARDS.
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- C. DO NOT SCALE THE DRAWINGS. NOTIFY THE ARCHITECT IF ADDITIONAL DIMENSIONS AND/OR INFORMATION ARE REQUIRED.
- D. PROVIDE PRODUCTS AND MATERIALS INDICATED GRAPHICALLY, NOTED AND SPECIFIED. VERIFY ALL EXISTING CONDITIONS AT THE SITE. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD DIMENSIONS TO THE ARCHITECT BEFORE CONSTRUCTION BEGINS.
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- M. APPLY WATER REPELLANT SEALER ON ALL BUILDING MASONRY AND SANDSTONE SURFACES (VERTICAL/HORIZONTAL). REFER TO MANUFACTURER'S GUIDELINES FOR PROPER INSTALLATION. PROTECT ADJACENT SURFACES AND LANDSCAPING AS REQUIRED - REFER TO SPECIFICATIONS.
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**DRAWING NOTES**

NUMBER	MEASURE	KEYNOTE
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11	4 SF	PATCH, REPAIR, AND PAINT EXISTING CONCRETE TO MATCH EXISTING.
12	---	EXISTING METAL PANEL TO BE SECURELY ANCHORED.
13	120 SF	PATCH, REPAIR, AND RECOAT EXISTING MASONRY SANDSTONE AREA. BASIS OF DESIGN KEIM SOLDALIT-GROB BASE COAT & SOLDALIT-SMOOTH TOP COAT. TINT COLOR SELECTED BY ARCHITECT.
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16	---	AT EXISTING DRAIN PIPE - PROVIDE ELBOW AND SPLASH BLOCK AT FLOOR TO REDIRECT WATER AWAY FROM WALL.



**KEYPLAN**  
NOT TO SCALE



ARCHITECTS / ENGINEERS

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TrautmanAssociates.com

Signature & Seal:



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Client: ROCHESTER HOUSING AUTHORITY

Project: JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION

Project Address: 399 COLVIN ST ROCHESTER, NY

Drawing History: # Date Description

Project Status: BID DOCUMENTS

Date: 09/04/2024

Project Number: 24042.00

Sheet Title: TERRACE ELEVATIONS AND NOTES

Sheet Number: **A203**



1.



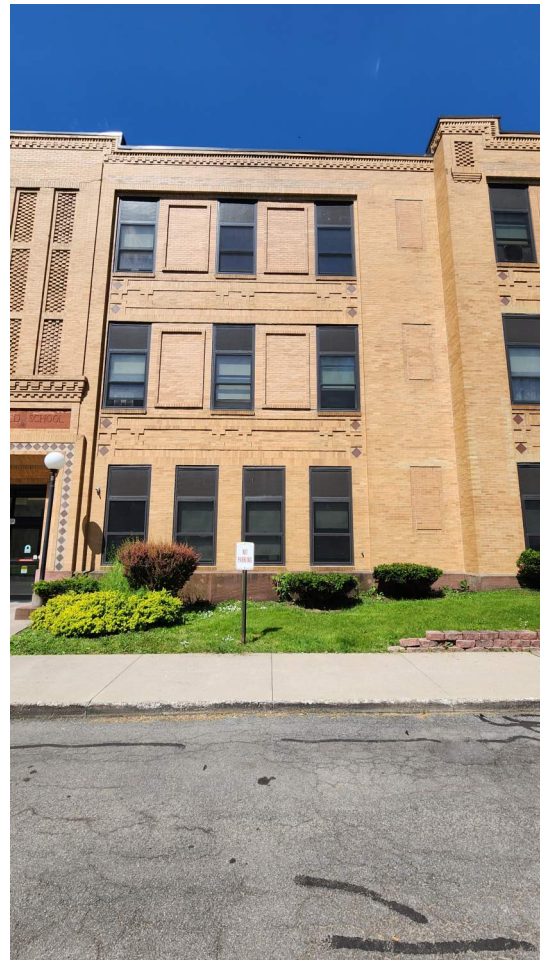
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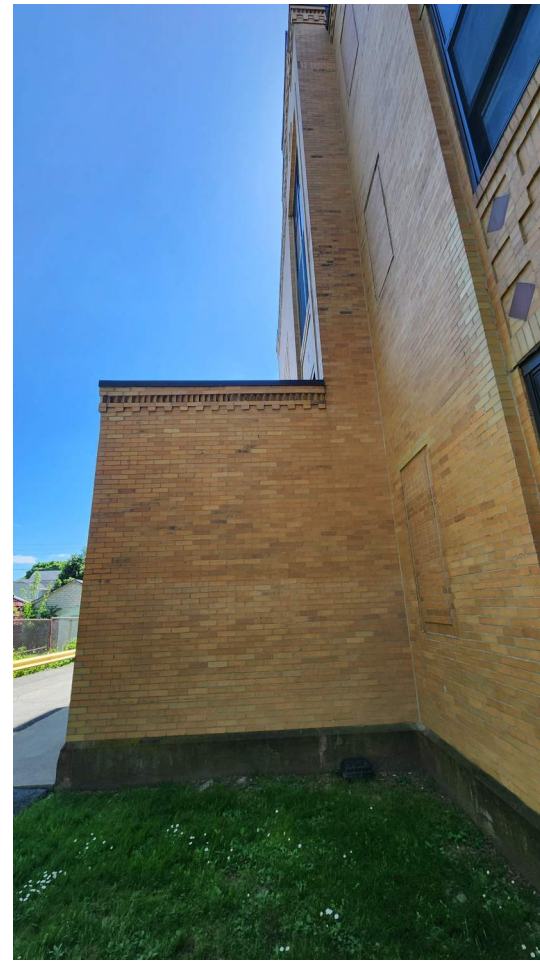
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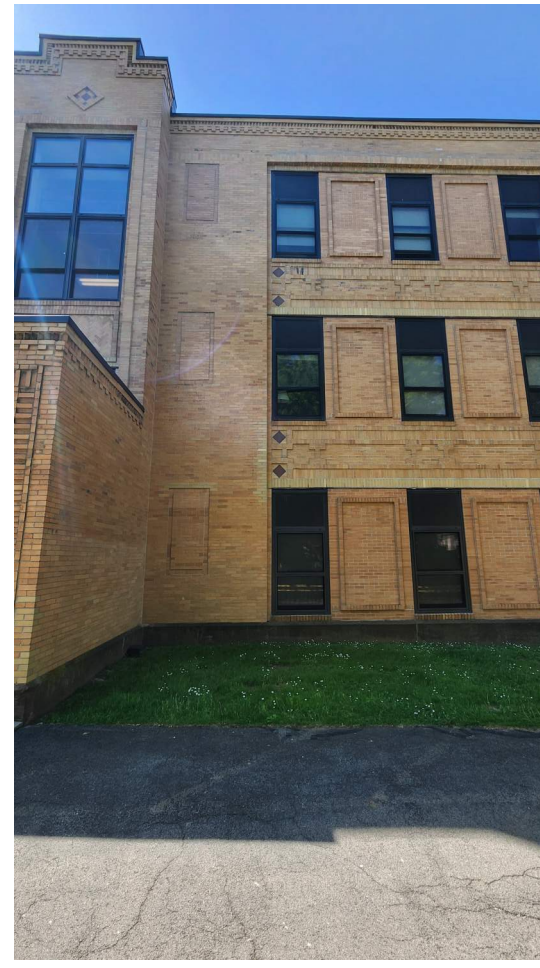
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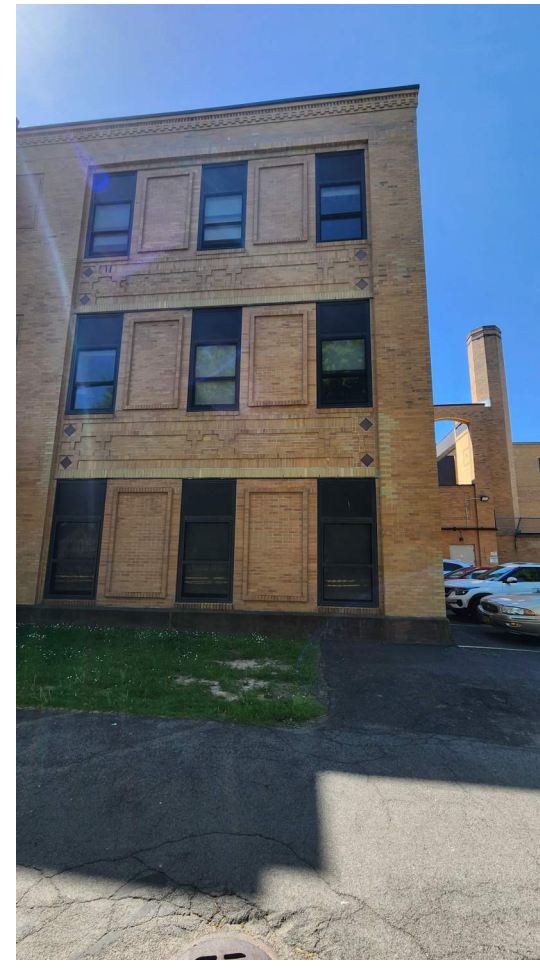
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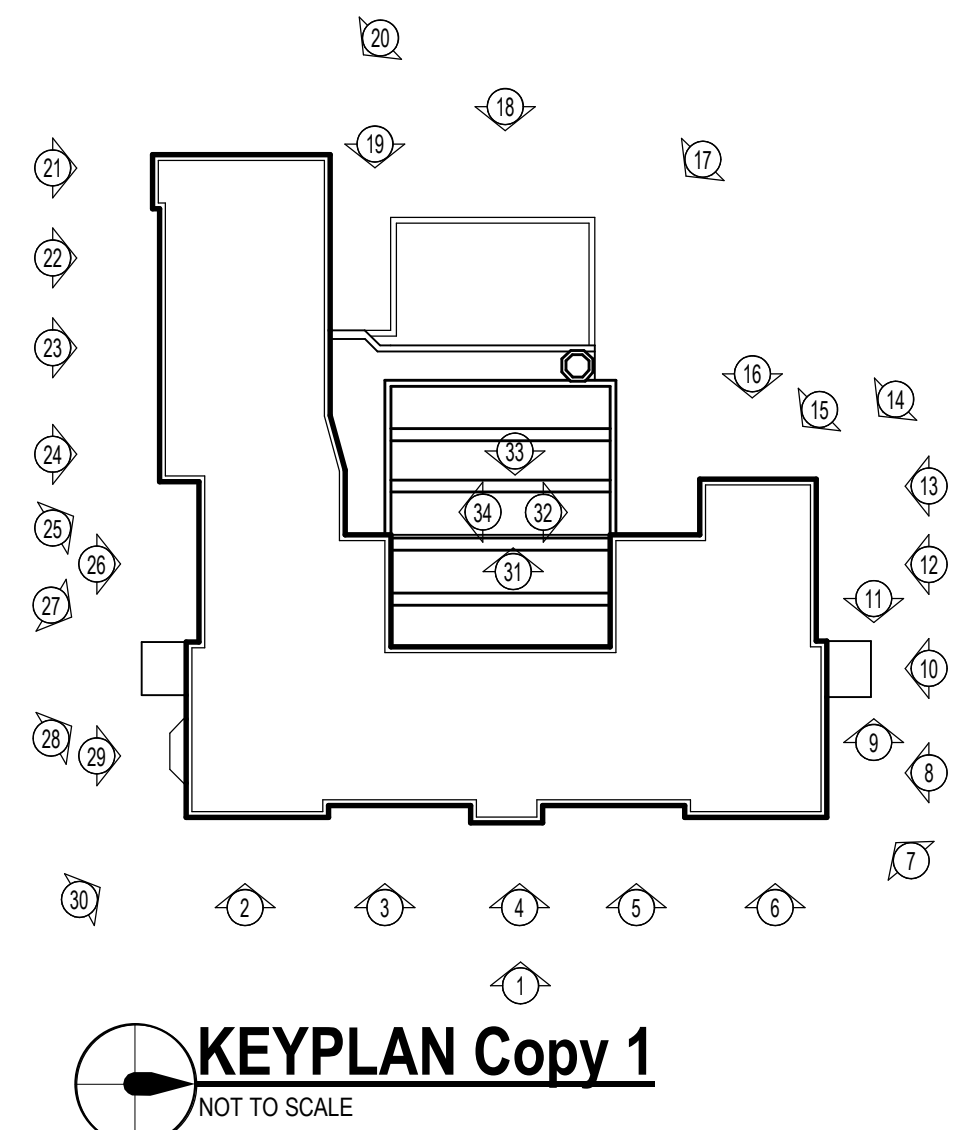
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22.



23.



**TRAUTMAN ASSOCIATES**

ARCHITECTS / ENGINEERS

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Signature & Seal:



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Client: **ROCHESTER HOUSING AUTHORITY**

Project: **JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION**

Project Address: 399 COLVIN ST  
ROCHESTER, NY

Drawing History: # Date Description

Project Status: **BID DOCUMENTS**

Date: 09/04/2024  
Project Number: 24042.00  
Sheet Title: **REFERENCE PHOTOS**

Sheet Number: **A204**



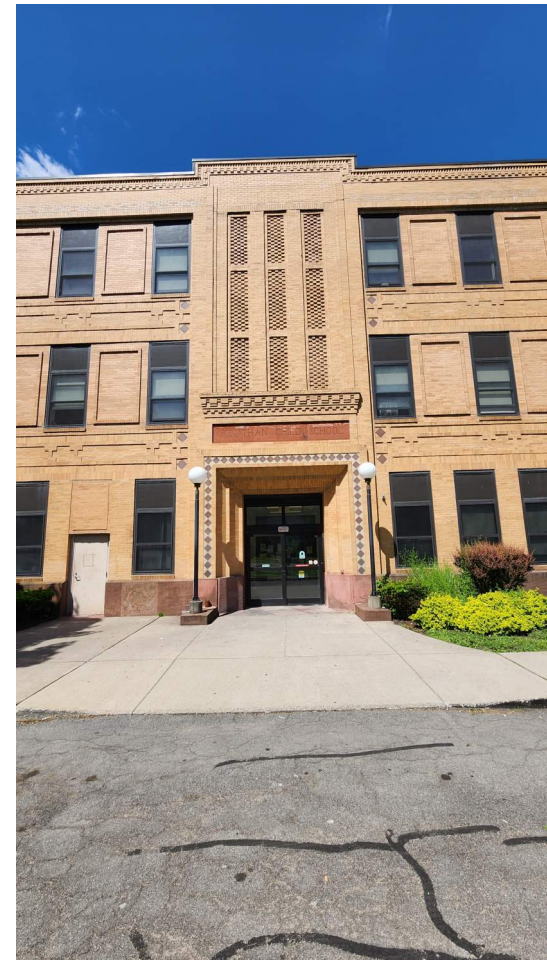
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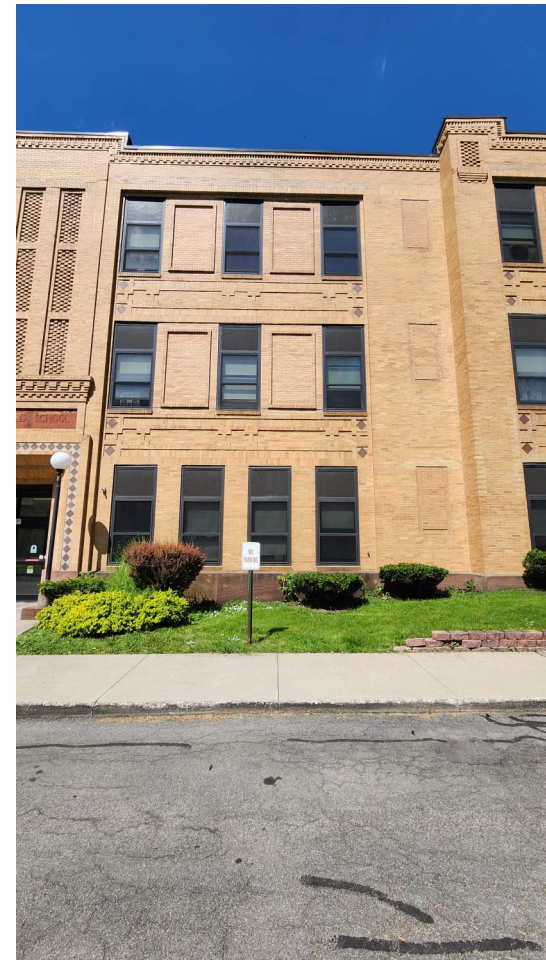
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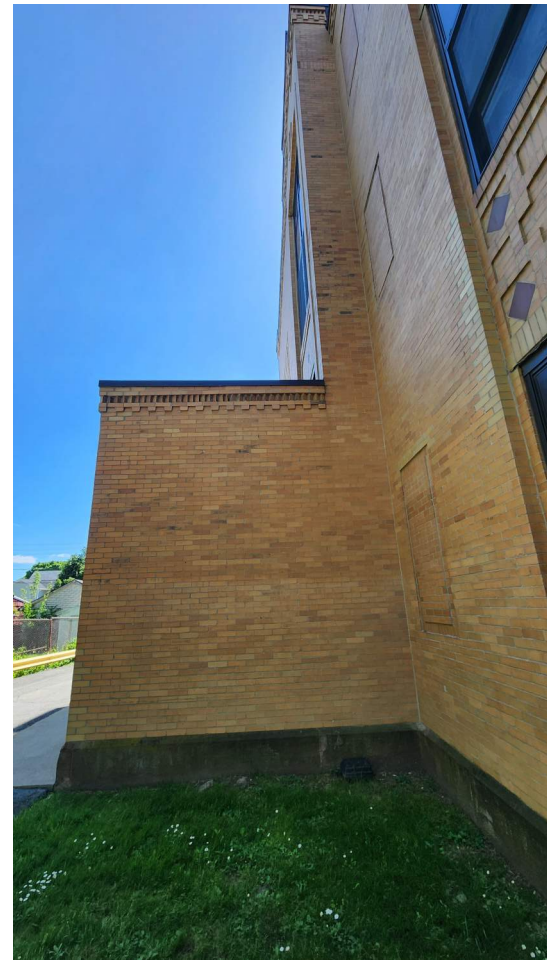
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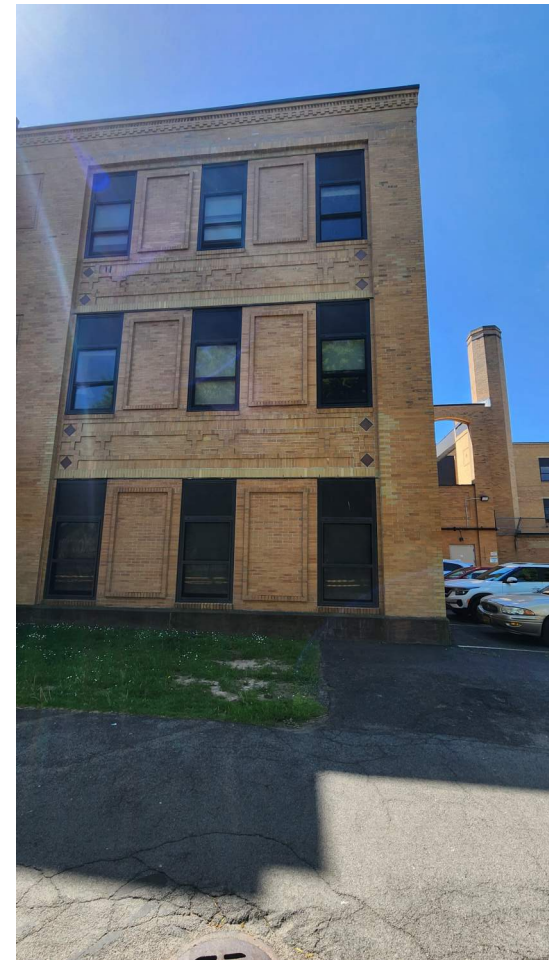
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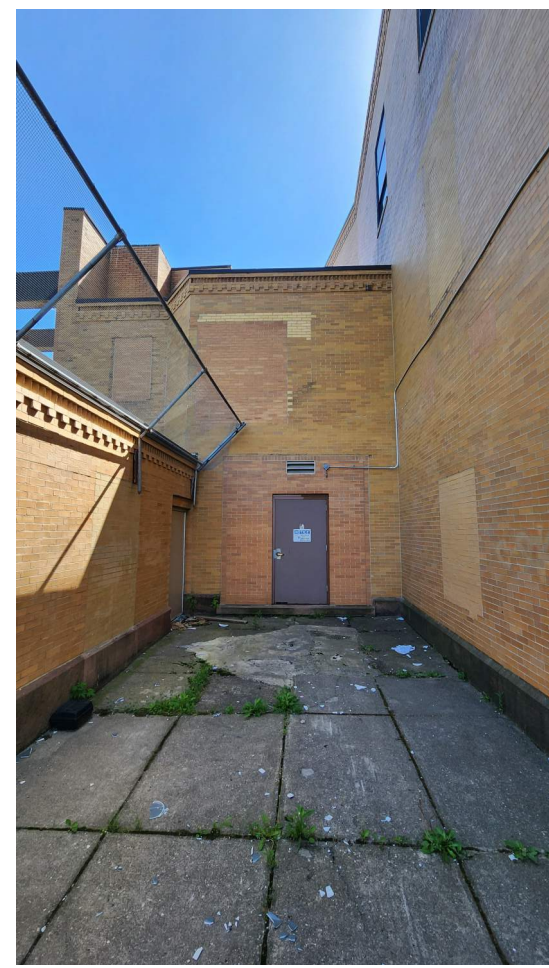
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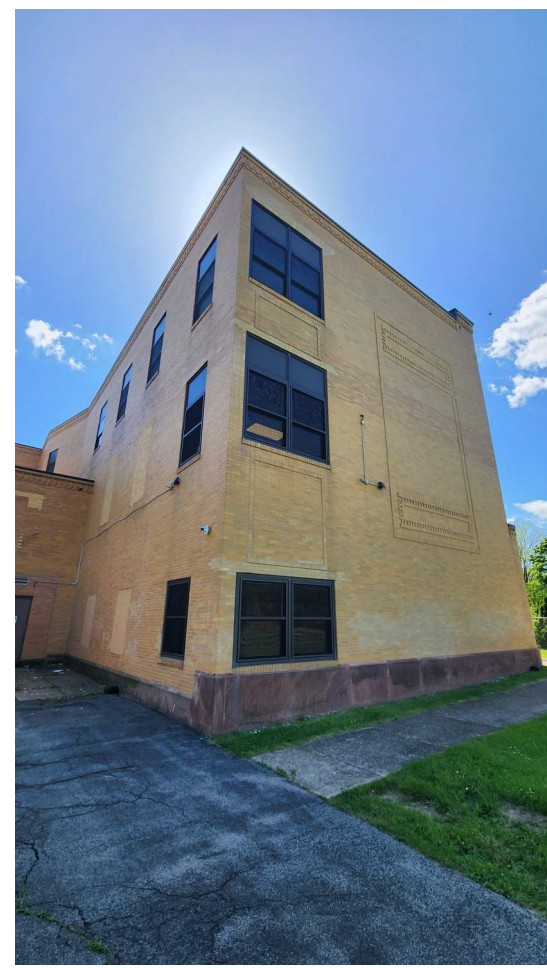
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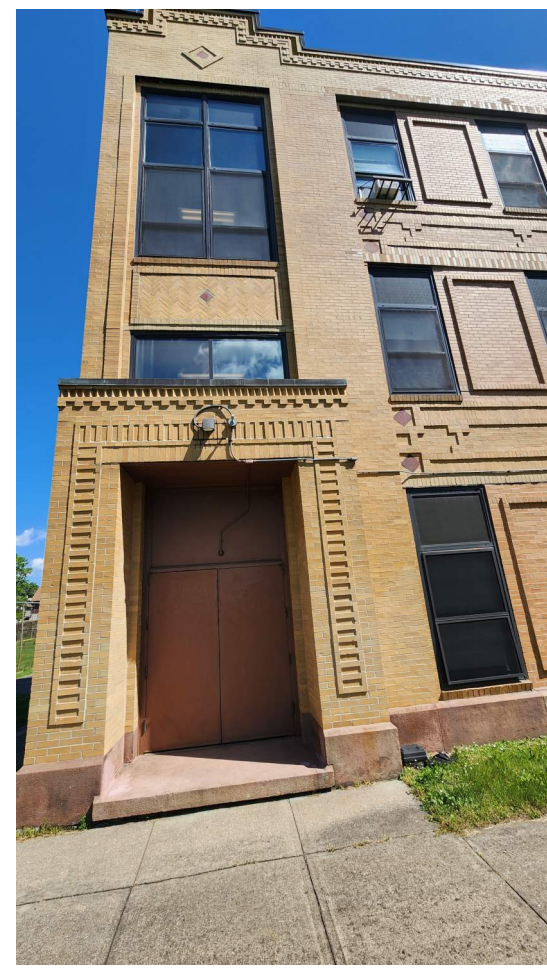
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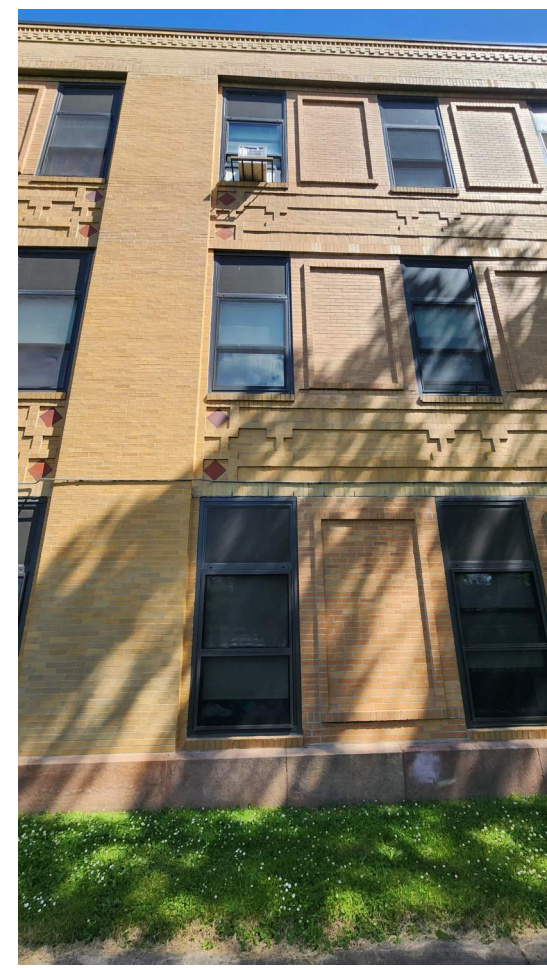
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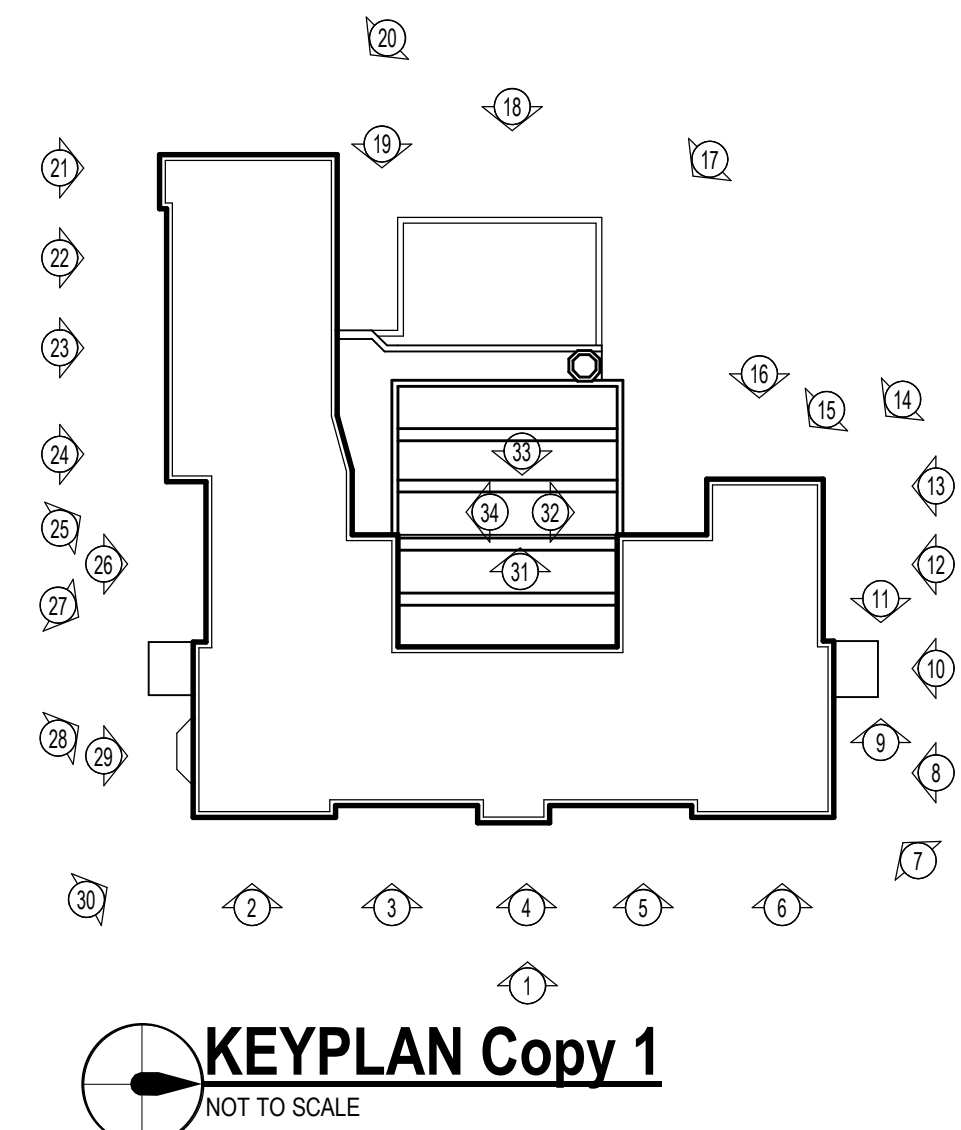
21.



22.



23.



ARCHITECTS / ENGINEERS

37 Franklin Street, Suite 100  
Buffalo, New York 14202

P 716 883 4400  
F 716 883 4268

TrautmanAssociates.com

Signature & Seal:



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Client: ROCHESTER HOUSING AUTHORITY

Project: JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION

Project Address: 399 COLVIN ST ROCHESTER, NY

Drawing History: # Date Description

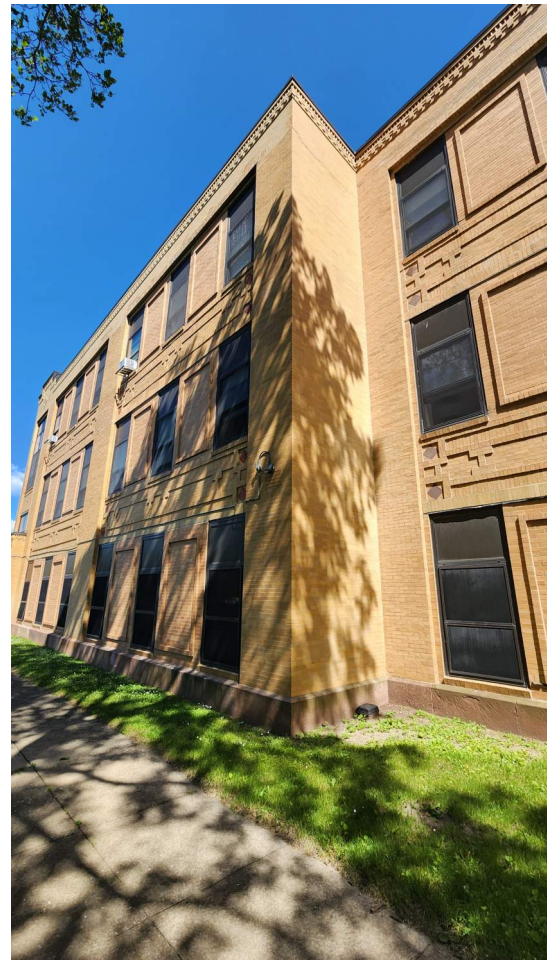
Project Status: BID DOCUMENTS

Date: 09/04/2024  
Project Number: 24042.00  
Sheet Title: REFERENCE PHOTOS

Sheet Number: A204



24.



25.



26.



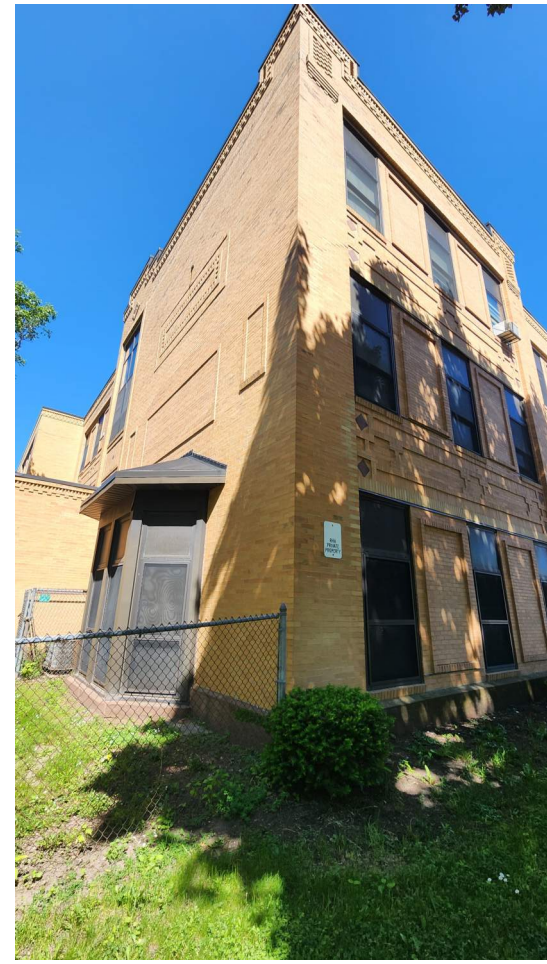
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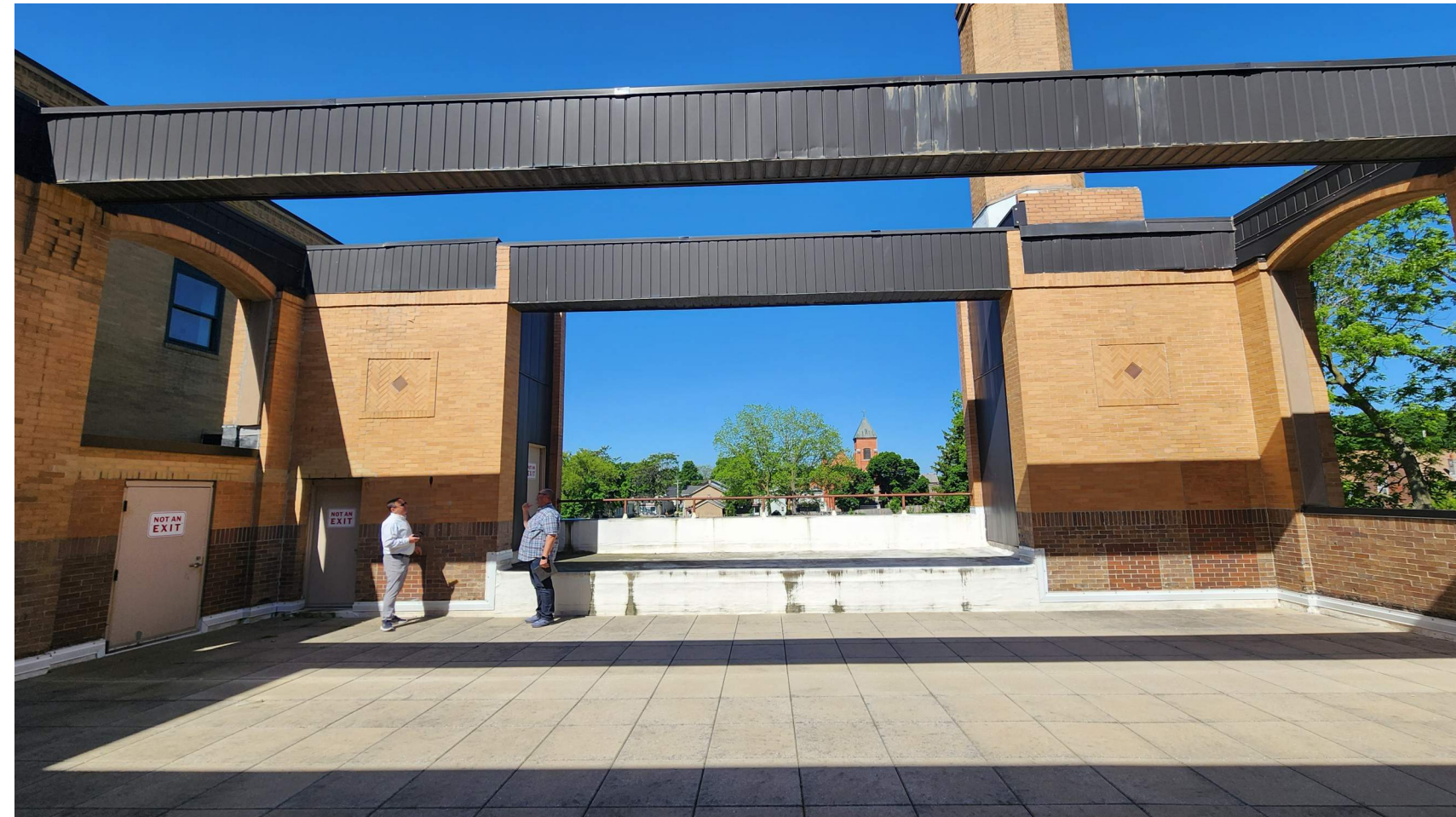
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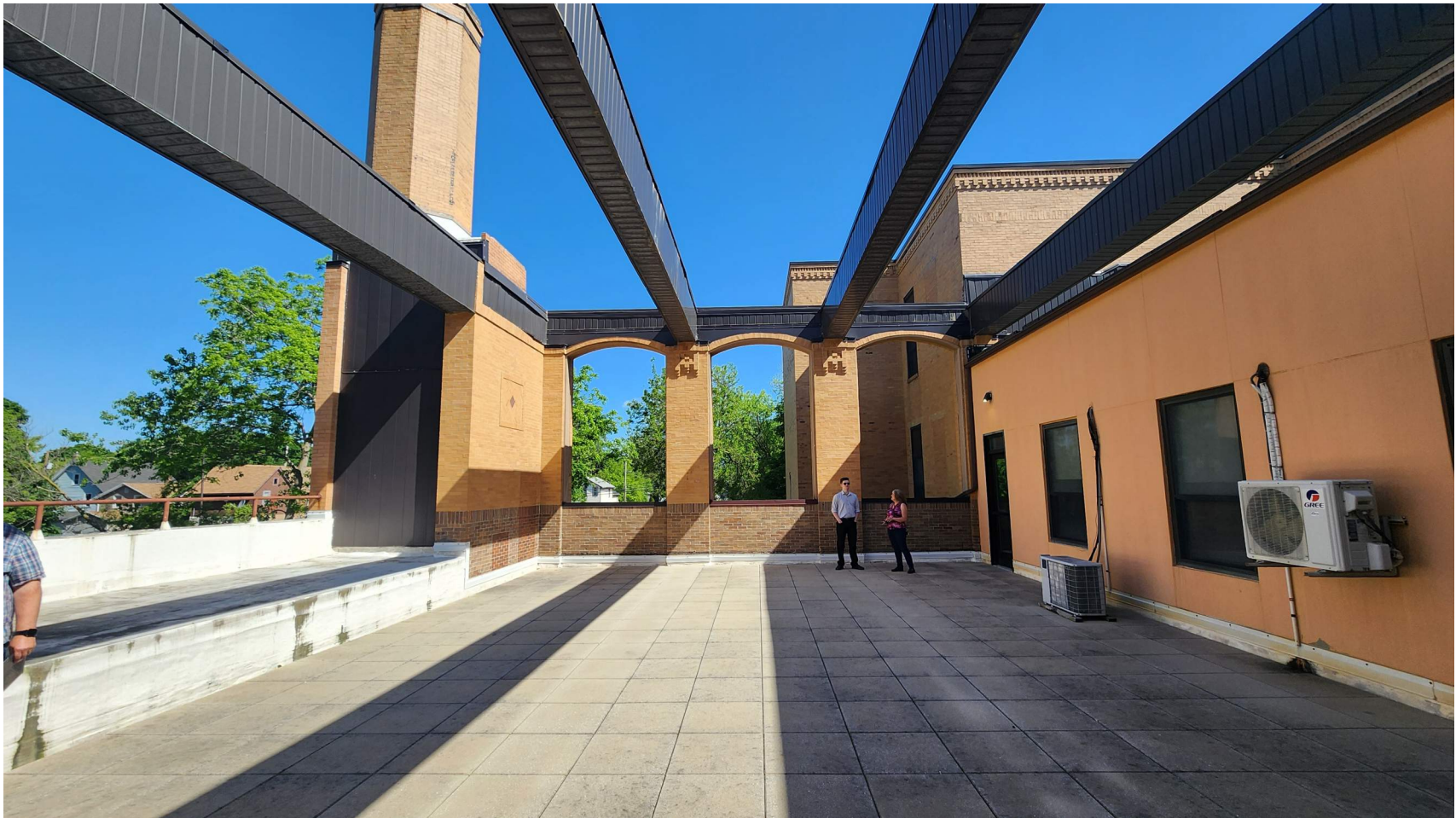
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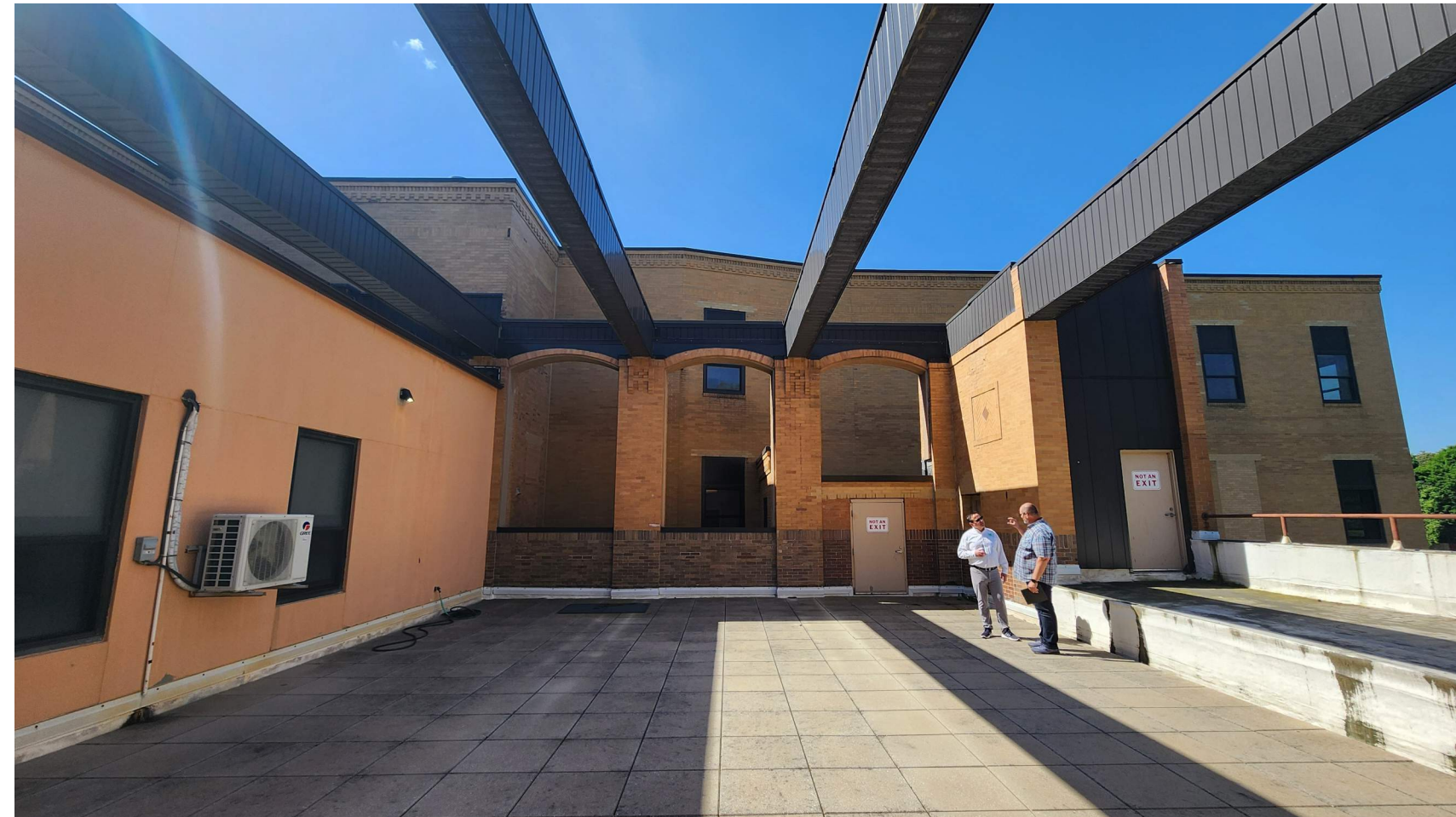
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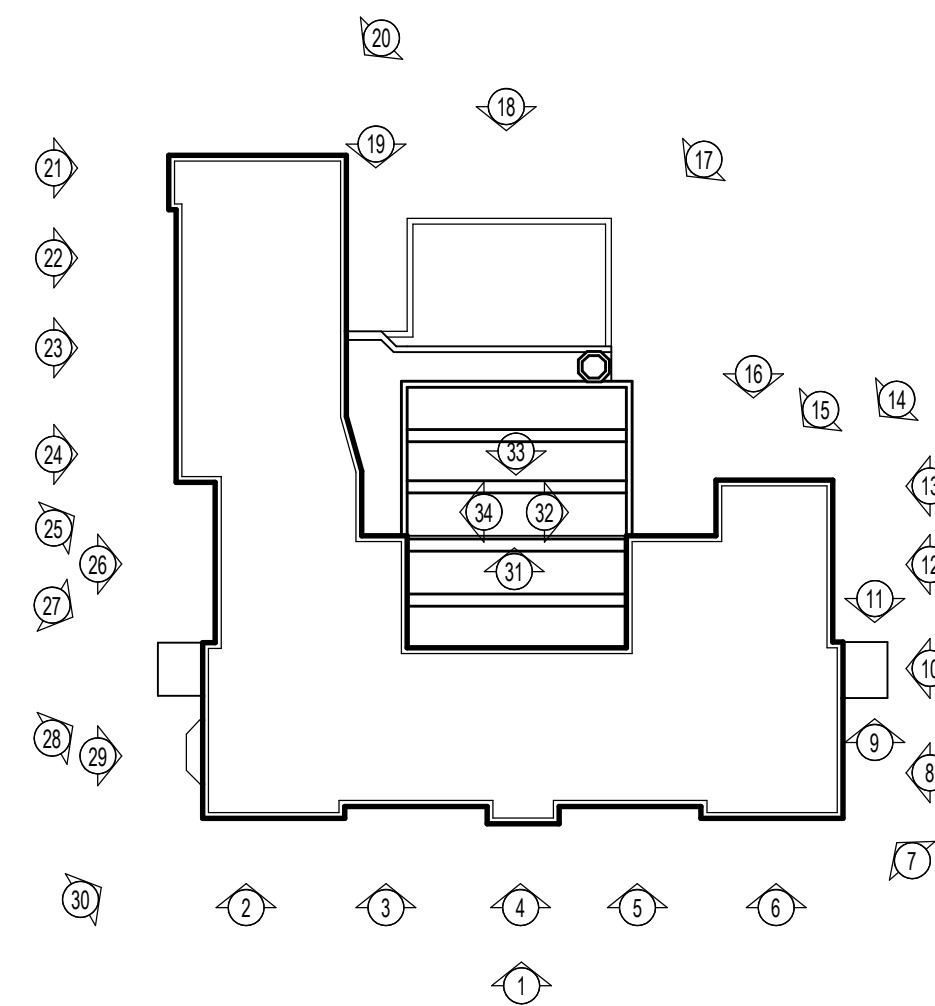
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33.



34.



KEYPLAN Copy 1  
NOT TO SCALE



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Project: JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION

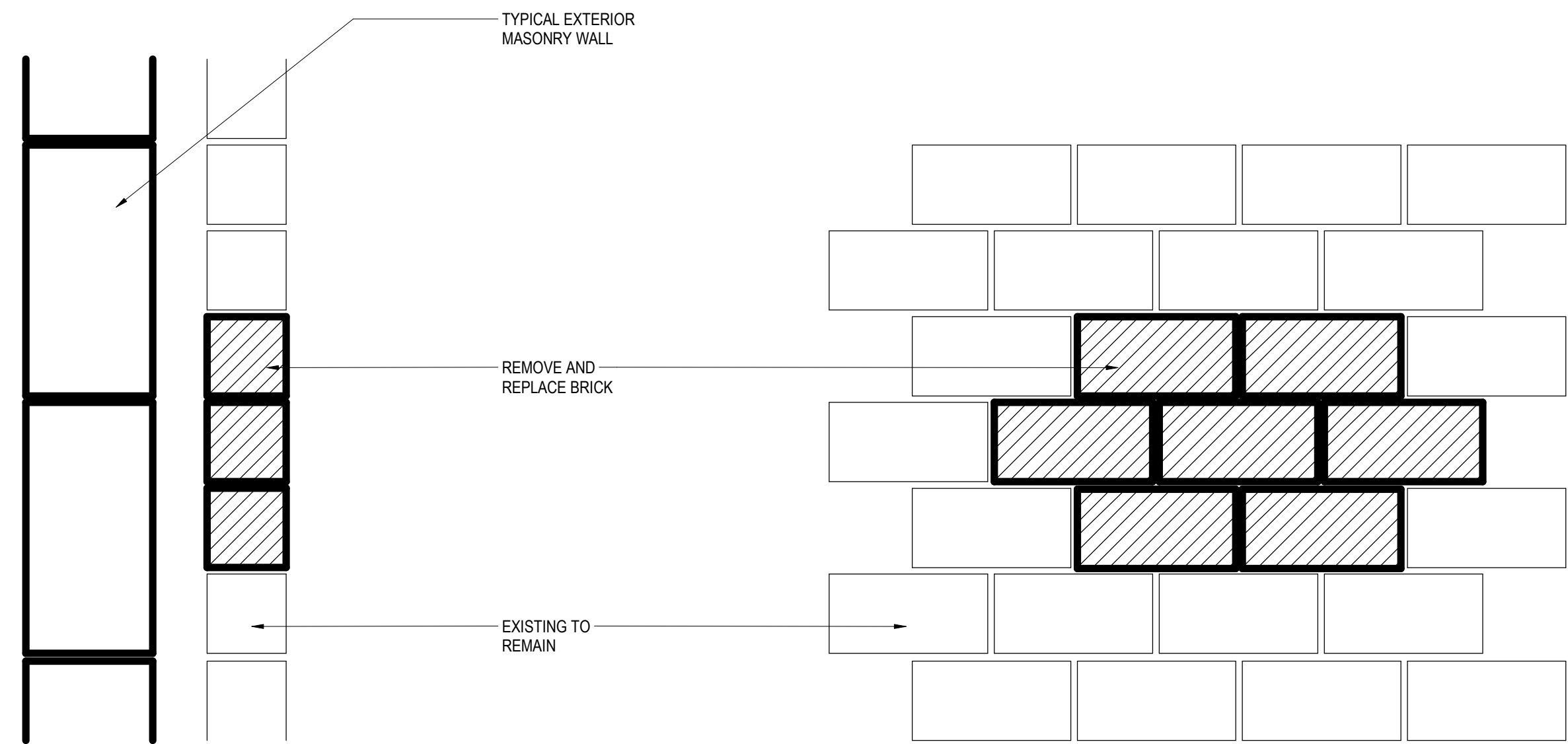
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Drawing History: # Date Description

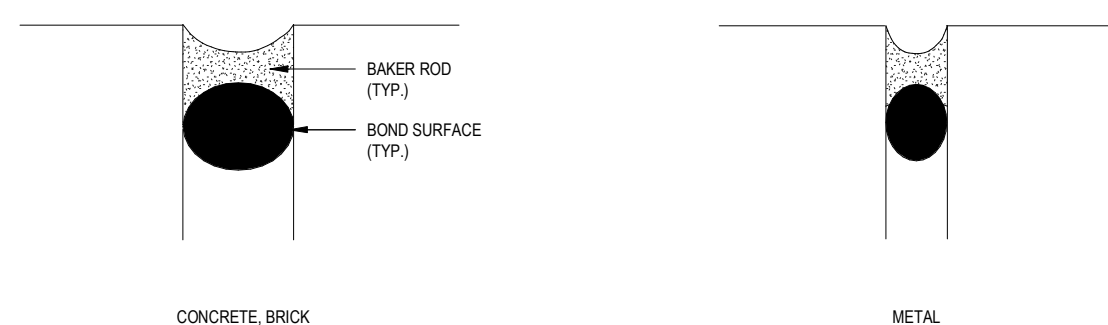
Project Status: BID DOCUMENTS

Date: 09/04/2024  
Project Number: 24042.00  
Sheet Title: REFERENCE PHOTOS

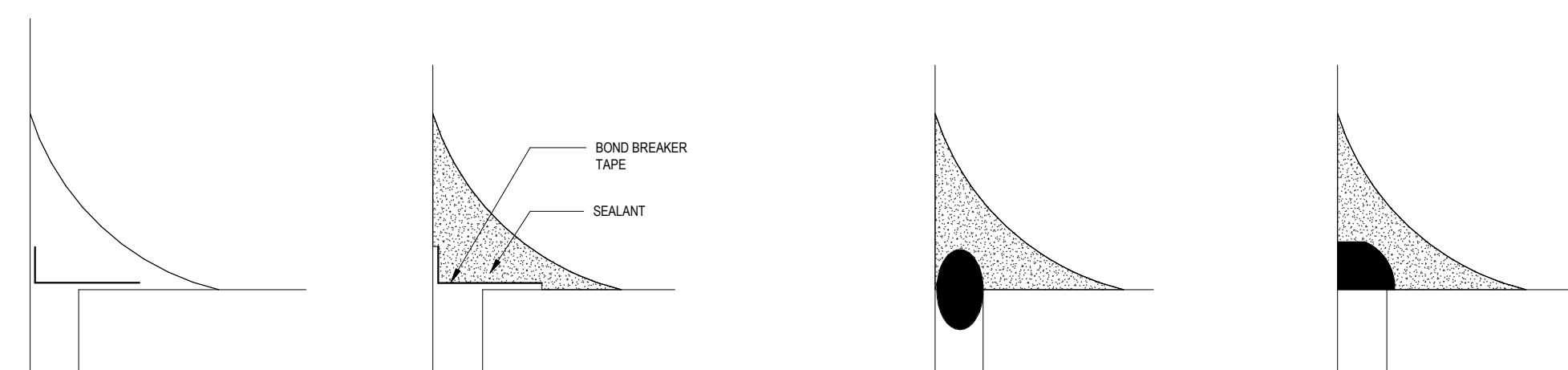
Sheet Number: A205



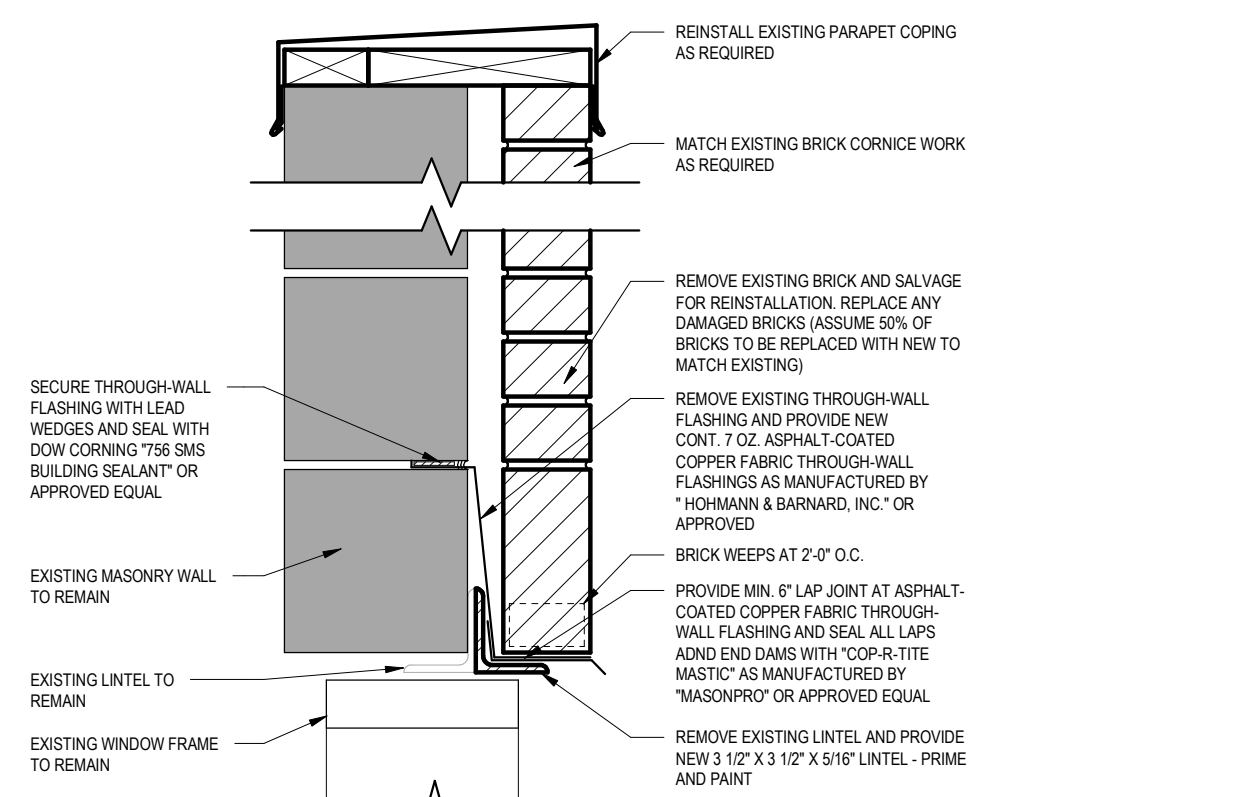
**1 BRICK REPLACEMENT**  
NOT TO SCALE



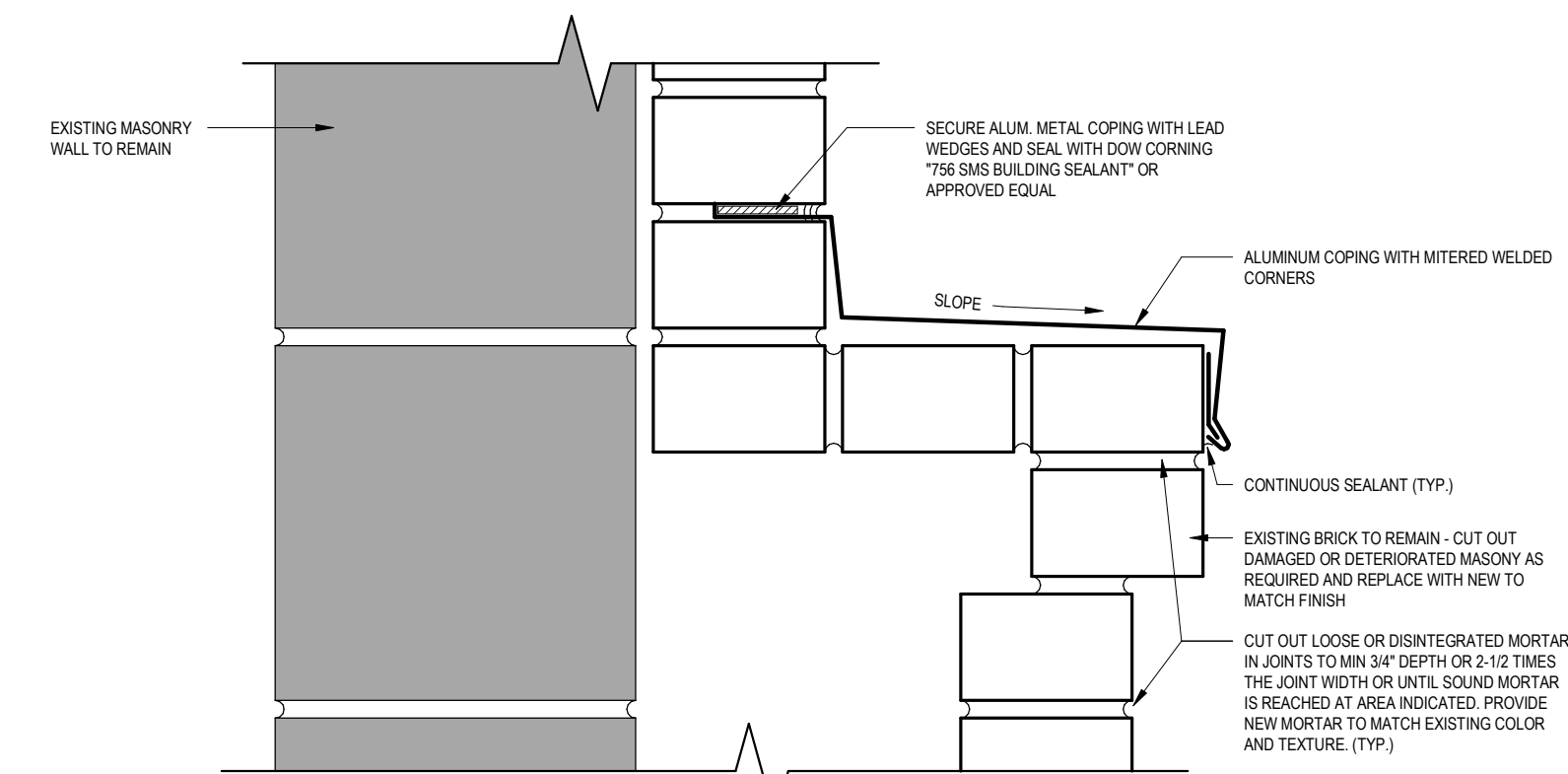
**2 SEALANT JOINTS**  
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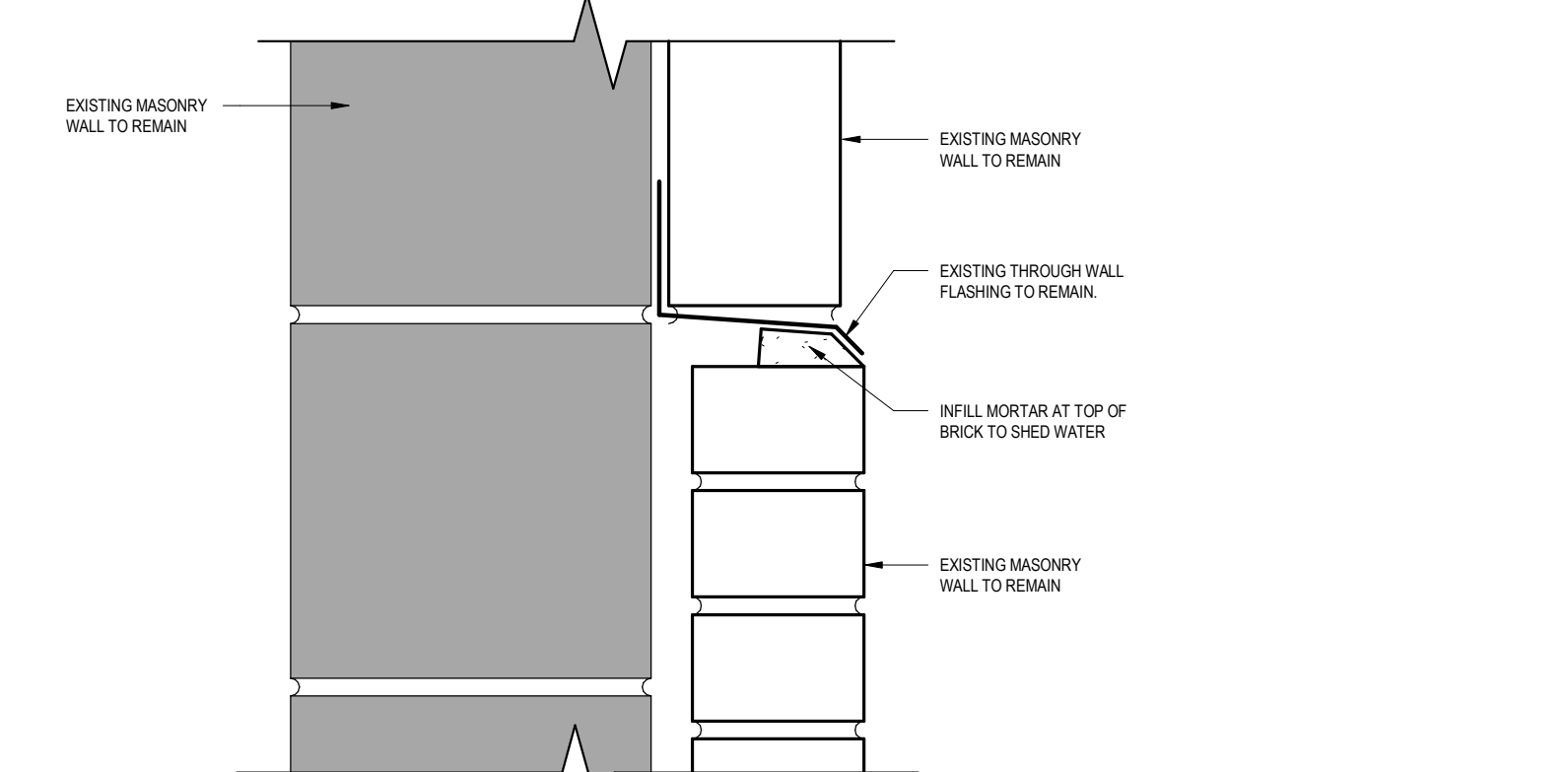
**3 MASONRY REPOINTING**  
NOT TO SCALE



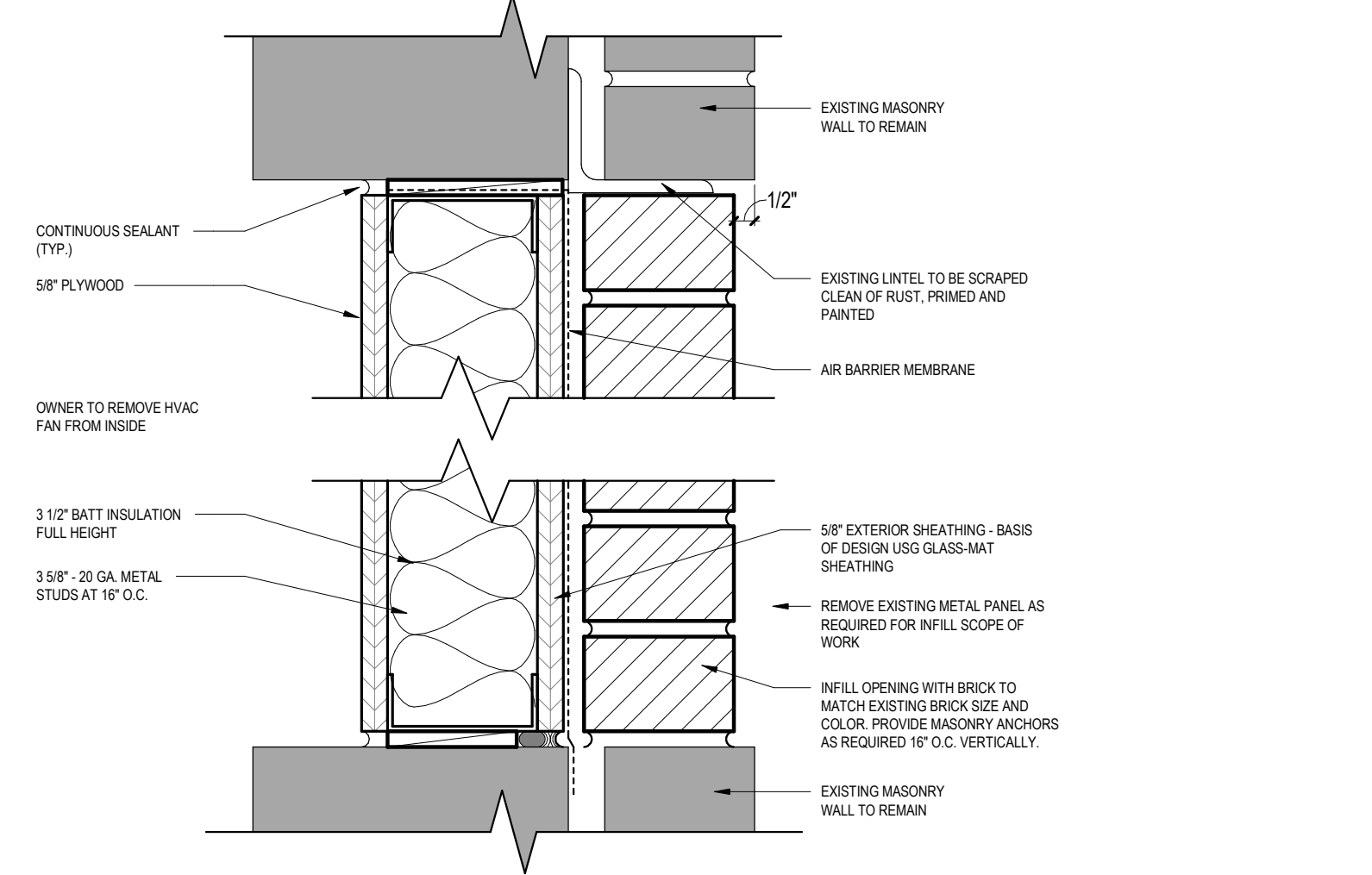
**4 WALL RECONSTRUCTION AT PARAPET**  
1 1/2" = 1'-0"



**5 BRICK CAP DETAIL**  
3" = 1'-0"



**6 BRICK REPAIR DETAIL**  
3" = 1'-0"



**7 INFILL DETAIL AT LOUVER**  
3" = 1'-0"

Signature & Seal:  
  
4/30/2026  
TRAUTMAN ASSOCIATES

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Client: ROCHESTER HOUSING AUTHORITY  
Project: JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION

Project Address: 399 COLVIN ST ROCHESTER, NY

Drawing History: # Date Description

Project Status: BID DOCUMENTS

Date: 09/04/2024  
Project Number: 24042.00  
Sheet Title: DETAILS

Sheet Number: **A206**



# PROJECT MANUAL

## ROCHESTER HOUSING AUTHORITY

JONATHAN CHILD APARTMENTS MASONRY  
RECONSTRUCTION

399 Colvin Street, Rochester  
New York 14611

**TA Project No. 24042**  
**September 04, 2024**





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012500	Substitution Procedures
012600	Contract Modification Procedures
013100	Project Management and Coordination
013200	Construction Progress Documentation
013300	Submittal Procedures
013300A	Shop Drawing Submittal Form
013516	Alteration Project Procedures
014000	Quality Requirements
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015000	Temporary Facilities & Controls
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017300	Execution
017700	Closeout Procedures
017823	Operation and Maintenance Data
017839	Project Record Documents

### **DIVISION 02 - EXISTING CONDITIONS**

024119	Selective Demolition
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### **DIVISION 03 - CONCRETE**

037300	Concrete Rehabilitation and Details
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### **DIVISION 04 - MASONRY**

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### **DIVISION 07 - THERMAL AND MOISTURE PROTECTION**

071900	Water Repellents
079200	Joint Sealants

### **DIVISION 09 - FINISHES**

099113	Exterior Painting
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TA PROJECT No. 24042

**DRAWING LIST:**

GENERAL:

G001          COVER

ARCHITECTURAL:

A200          EXTERIOR ELEVATIONS AND NOTES  
A201          EXTERIOR ELEVATIONS AND NOTES  
A202          PARTIAL EXTERIOR ELEVATIONS AND NOTES  
A203          TERRACE ELEVATIONS AND NOTES  
A204          REFERENCE PHOTOS  
A205          REFERENCE PHOTOS  
A206          DETAILS

END OF OUTLINE SPECIFICATIONS & DRAWINGS

JWS:hjb  
6/13/24

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TA PROJECT No. 24042

SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:

- 1. Work covered by the Contract Documents.
- 2. Type of the Contract.
- 3. Liquidated Damages
- 4. Use of premises.
- 5. Owner's occupancy requirements.
- 6. Work restrictions.
- 7. Specification formats and conventions.

- B. Related Sections include the following:

- 1. Division 01 Section "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.3 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: Jonathan Childs Apartments Masonry Reconstruction

- 1. Project Location: 399 Colvin Street, Rochester, New York 14611.

- B. Owner: Rochester Housing Authority.

- 1. 675 West Main St., Rochester, NY

- C. Architect: Trautman Associates, 37 Franklin Street, Buffalo, New York 14202.

- D. Project Coordinator: It is anticipated that the Owner will engage BE3 to serve as clerk of the works.

- E. The Work consists of the following:

- 1. Masonry Reconstruction.

- F. Contractor to obtain and pay for any and all necessary permits required by local ordinances.

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1.4 TYPE OF CONTRACT

- A. Project will be constructed under a Single Prime contract:
  - 1. General Contract.

1.5 LIQUATED DAMAGES

- A. Time is of the essence and the Owner will suffer financial loss if the work is not completed within the specified time. Accordingly, the Owner and Contractor will agree that as liquidated damaged for a delay (but not as a penalty), the Contractor shall pay the amount as stipulated in the bid documents by RHA.

1.6 USE OF PREMISES

- A. General: Each Contractor shall have limited use of premises for construction operations as indicated on Drawings by the Contract limits.
- B. Use of Site: Limit use of premises to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
  - 1. Owner Occupancy: Allow for Owner occupancy of Project site.
  - 2. Driveways and Entrances: Keep driveways and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
    - a. Schedule deliveries to minimize use of driveways and entrances.
    - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
- C. Use of Existing Building: Maintain existing building in a weathertight condition throughout construction period. Repair damage caused by construction operations. Protect building and its occupants during construction period.

1.7 OWNER'S OCCUPANCY REQUIREMENTS

- A. Full Owner Occupancy: Owner will occupy site during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day operations. Maintain existing exits, unless otherwise indicated.
  - 1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.
  - 2. Provide not less than 48 hours' notice to Owner of activities that will affect Owner's operations.
- B. Owner Occupancy of Completed Areas of Construction:
  - 1. Architect will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied before Owner building is fully occupied.

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TA PROJECT No. 24042

1.8 WORK RESTRICTIONS

- A. On-Site Work Hours: Work shall be performed outside the buildings during normal business working hours of 8:30 a.m. to 4:00 p.m., Monday through Friday, unless special permission is approved by RHA.
- B. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
  - 1. Notify Architect not less than two days in advance of proposed utility interruptions.
  - 2. Do not proceed with utility interruptions without Architect's written permission.
- C. Nonsmoking: Smoking is not permitted on the RHA's property.

1.9 SPECIFICATION FORMATS AND CONVENTIONS

- A. Specification Format: The Specifications are organized into Divisions and Sections using the 50-division format and CSI/CSC's "MasterFormat" numbering system.
  - 1. Section Identification: The Specifications use Section numbers and titles to help cross-referencing in the Contract Documents. Sections in the Project Manual are in numeric sequence; however, the sequence is incomplete because all available Section numbers are not used. Consult the table of contents at the beginning of the Project Manual to determine numbers and names of Sections in the Contract Documents.
  - 2. Division 01: Sections in Division 01 govern the execution of the Work of all Sections in the Specifications.
- B. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
  - 1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.
  - 2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
    - a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

JWS/jws 08/09/24





SECTION 012200 - UNIT PRICES

The Contractor shall provide the UNIT PRICES for items below with the bid submission. Include in the amount of the UNIT PRICES, all labor, material, products, tools, equipment, plant and facilities, transportation, services and incidentals, erection, application or installation of the item of work, overhead and profit. The Base Bid of the contract shall include all work associated with the assumed quantities indicated below. ***If it is determined that quantities are more than the totals required at the end of the contract, then the contract amount shall be increased in accordance with the associated unit prices by change order. If it is determined that quantities are less than the totals required at the end of the contract, then the contract amount shall be reduced in accordance with the associated unit prices by change order.*** The unit will be necessary to complete the project and not for awarding the contract.

**A. Unit Price No.1 – Brick Replacement: \$ \_\_\_\_\_/each**

1. **Base Bid:** Assume **37 bricks in the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per brick to remove spalled or cracked brick and surrounding mortar. Replace with new brick and mortar to match existing color and texture.
3. **Unit of Measurement:** One brick.

**B. Unit Price No.2 – Loose Mortar: \$ \_\_\_\_\_/lf**

1. **Base Bid:** Assume **1006 linear feet in the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per linear feet to cut out loose or disintegrated mortar in joints to min.  $\frac{3}{4}$ " depth or 2  $\frac{1}{2}$  times the joint width or until sound mortar is reached at area indicated. Provide new mortar to match exiting color and texture.
3. **Unit of Measurement:** One (1) linear foot.

**C. Unit Price No.3 – Steel Lintel Painting: \$ \_\_\_\_\_/lf**

1. **Base Bid:** Assume **105 linear feet in the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per linear foot to scrape clean existing steel lintel, prime and paint.
3. **Unit of Measurement:** One (1) linear foot.

**D. Unit Price No.4 - Remove and Replace Sealant: \$ \_\_\_\_\_/lf**

1. **Base Bid:** Assume **903 linear feet in the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per linear foot to remove existing loose or disintegrated sealant, provide and install new sealant.
3. **Unit of Measurement:** One (1) linear foot.

**E. Unit Price No.5 – Loose Metal Panels: \$ \_\_\_\_\_/lf**

1. **Base Bid:** Assume **1 area as designated on the drawings for the Base Bid**. The unit price will be in addition to this.
2. **Description:** Cost per linear foot to securely attach loose metal panels.
3. **Unit of Measurement:** One (1) linear foot.



## SECTION 012500 - SUBSTITUTION PROCEDURES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for substitutions.
- B. Related Requirements:
  - 1. Section 016000 "Product Requirements" for requirements for submitting comparable product submittals for products by listed manufacturers.

#### 1.3 DEFINITIONS

- A. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.
  - 1. Substitutions for Cause: Changes proposed by Contractor that are required due to changed Project conditions, such as unavailability of product, regulatory changes, or unavailability of required warranty terms.
  - 2. Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required in order to meet other Project requirements but may offer advantage to Contractor or Owner.

#### 1.4 ACTION SUBMITTALS

- A. Substitution Requests: Submit three copies of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
  - 1. Documentation: Show compliance with requirements for substitutions and the following, as applicable:
    - a. Statement indicating why specified product or fabrication or installation cannot be provided, if applicable.
    - b. Coordination information, including a list of changes or revisions needed to other parts of the Work and to construction performed by Owner and separate contractors, that will be necessary to accommodate proposed substitution.
    - c. Detailed comparison of significant qualities of proposed substitution with those of the Work specified. Include annotated copy of applicable Specification Section. Significant qualities may include attributes such as performance, weight, size, durability, visual effect,

- sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.
  - d. Product Data, including drawings and descriptions of products and fabrication and installation procedures.
  - e. Samples, where applicable or requested.
  - f. Certificates and qualification data, where applicable or requested.
  - g. List of similar installations for completed projects with project names and addresses and names and addresses of architects and owners.
  - h. Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
  - i. Research reports evidencing compliance with building code in effect for Project, from ICC-ES.
  - j. Detailed comparison of Contractor's construction schedule using proposed substitution with products specified for the Work, including effect on the overall Contract Time. If specified product or method of construction cannot be provided within the Contract Time, include letter from manufacturer, on manufacturer's letterhead, stating date of receipt of purchase order, lack of availability, or delays in delivery.
  - k. Cost information, including a proposal of change, if any, in the Contract Sum.
  - l. Contractor's certification that proposed substitution complies with requirements in the Contract Documents except as indicated in substitution request, is compatible with related materials, and is appropriate for applications indicated.
  - m. Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of failure of proposed substitution to produce indicated results.
2. Architect's Action: If necessary, Architect will request additional information or documentation for evaluation within seven days of receipt of a request for substitution. Architect will notify Contractor of acceptance or rejection of proposed substitution within 15 days of receipt of request, or seven days of receipt of additional information or documentation, whichever is later.
- a. Forms of Acceptance: Change Order, Construction Change Directive, or Architect's Supplemental Instructions for minor changes in the Work.
  - b. Use product specified if Architect does not issue a decision on use of a proposed substitution within time allocated.

## 1.5 QUALITY ASSURANCE

- A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

## 1.6 PROCEDURES

- A. Coordination: Revise or adjust affected work as necessary to integrate work of the approved substitutions.

## PART 2 - PRODUCTS

### 2.1 SUBSTITUTIONS

- A. Substitutions for Cause: Submit requests for substitution immediately on discovery of need for change, but not later than 15 days prior to time required for preparation and review of related submittals.

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TA PROJECT No. 24042

1. Conditions: Architect will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:
  - a. Requested substitution is consistent with the Contract Documents and will produce indicated results.
  - b. Requested substitution provides sustainable design characteristics that specified product provided.
  - c. Substitution request is fully documented and properly submitted.
  - d. Requested substitution will not adversely affect Contractor's construction schedule.
  - e. Requested substitution has received necessary approvals of authorities having jurisdiction.
  - f. Requested substitution is compatible with other portions of the Work.
  - g. Requested substitution has been coordinated with other portions of the Work.
  - h. Requested substitution provides specified warranty.
  - i. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

B. Substitutions for Convenience: Not allowed.

PART 3 - EXECUTION (Not Used)

END OF SECTION 012500

JWS:jws  
05/20/24



## SECTION 012600 - CONTRACT MODIFICATION PROCEDURES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for handling and processing Contract modifications.
- B. Related Requirements:
  - 1. Section 012500 "Substitution Procedures" for administrative procedures for handling requests for substitutions made after the Contract award.

#### 1.3 MINOR CHANGES IN THE WORK

- A. Architect will issue supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or the Contract Time, on AIA Document G710, "Architect's Supplemental Instructions."

#### 1.4 PROPOSAL REQUESTS

- A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
  - 1. Work Change Proposal Requests issued by Architect are not instructions either to stop work in progress or to execute the proposed change.
  - 2. Within time specified in Proposal Request after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.
    - a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
    - b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
    - c. Include costs of labor and supervision directly attributable to the change.
    - d. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
    - e. Quotation Form: Use forms acceptable to Architect.

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TA PROJECT No. 24042

- B. Contractor-Initiated Proposals: If latent or changed conditions require modifications to the Contract, Contractor may initiate a claim by submitting a request for a change to Architect.
1. Include a statement outlining reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and the Contract Time.
  2. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
  3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
  4. Include costs of labor and supervision directly attributable to the change.
  5. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
  6. Comply with requirements in Section 012500 "Substitution Procedures" if the proposed change requires substitution of one product or system for product or system specified.
  7. Proposal Request Form: Use form acceptable to Architect.

1.5 CHANGE ORDER PROCEDURES

- A. On Owner's approval of a Work Changes Proposal Request, RHA will issue a Change Order for signatures of Owner and Contractor on RHA HUD forms.

1.6 CONSTRUCTION CHANGE DIRECTIVE

- A. Construction Change Directive: RHA will provide Change Order HUD forms to Contractor and forward to Architect for approval.
1. Construction Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.
- B. Documentation: Maintain detailed records on a time and material basis of work required by the Construction Change Directive.
1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 012600

JWS:jws  
08/09/24



SECTION 013100 - PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative provisions for coordinating construction operations on Project including, but not limited to, the following:
  - 1. General coordination procedures.
  - 2. Coordination drawings.
  - 3. Requests for Information (RFIs).
  - 4. Project meetings.
- B. Related Requirements:
  - 1. Section 013200 "Construction Progress Documentation" for preparing and submitting Contractor's construction schedule.
  - 2. Section 017700 "Closeout Procedures" for coordinating closeout of the Contract.

1.3 DEFINITIONS

- A. RFI: Request from Owner, Architect, or Contractor seeking information required by or clarifications of the Contract Documents.

1.4 INFORMATIONAL SUBMITTALS

- A. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form: RHA Procurement will provide the sub-contractor form in the bid documents for contractors to fill out.
  - 1. Name, address, and telephone number of entities performing subcontract or supplying products.
  - 2. Number and title of related Specification Section(s) covered by subcontract.
  - 3. Drawing number and detail references, as appropriate, covered by subcontract.
- B. Key Personnel Names: Within 15 days of starting construction operations, submit a list of key personnel assignments, including superintendent and other personnel in attendance at Project site. Identify individuals and their duties and responsibilities; list addresses and telephone numbers, including home, office, and cellular telephone numbers and e-mail addresses. Provide names, addresses, and telephone numbers of individuals assigned as alternates in the absence of individuals assigned to Project.

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JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION  
TA PROJECT No. 24042

1. Post copies of list in project meeting room, in temporary field office, and by each temporary telephone. Keep list current at all times.

1.5 GENERAL COORDINATION PROCEDURES

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations, included in different Sections that depend on each other for proper installation, connection, and operation.
  1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
  2. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
  3. Make adequate provisions to accommodate items scheduled for later installation.
- B. Coordination: Each contractor shall coordinate its construction operations with those of other contractors and entities to ensure efficient and orderly installation of each part of the Work. Each contractor shall coordinate its operations with operations, included in different Sections that depend on each other for proper installation, connection, and operation.
  1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
  2. Coordinate installation of different components with other contractors to ensure maximum performance and accessibility for required maintenance, service, and repair.
  3. Make adequate provisions to accommodate items scheduled for later installation.
- C. Prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as required notices, reports, and list of attendees at meetings.
  1. Prepare similar memoranda for Owner and separate contractors if coordination of their Work is required.
- D. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:
  1. Preparation of Contractor's construction schedule.
  2. Preparation of the schedule of values.
  3. Installation and removal of temporary facilities and controls.
  4. Delivery and processing of submittals.
  5. Progress meetings.
  6. Preinstallation conferences.
  7. Project closeout activities.
- E. Conservation: Coordinate construction activities to ensure that operations are carried out with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.

1.6 REQUESTS FOR INFORMATION (RFIs)

- A. General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI through Procore. Contractor will be invited to use Procore and at no cost to them.
1. Architect will return RFIs submitted to Architect by other entities controlled by Contractor with no response.
  2. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.
- B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
1. Project name.
  2. Project number.
  3. Date.
  4. Name of Contractor.
  5. Name of Architect.
  6. RFI number, numbered sequentially.
  7. RFI subject.
  8. Specification Section number and title and related paragraphs, as appropriate.
  9. Drawing number and detail references, as appropriate.
  10. Field dimensions and conditions, as appropriate.
  11. Contractor's suggested resolution. If Contractor's suggested resolution impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
  12. Contractor's signature.
  13. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
    - a. Include dimensions, thicknesses, structural grid references, and details of affected materials, assemblies, and attachments on attached sketches.
- C. RFI Forms: Software-generated form with substantially the same content as indicated above, acceptable to Architect.
1. Attachments shall be electronic files in Adobe Acrobat PDF format.
- D. Architect's Action: Architect will review each RFI, determine action required, and respond. Allow five working days for Architect's response for each RFI. RFIs received by Architect after 1:00 p.m. will be considered as received the following working day.
1. The following Contractor-generated RFIs will be returned without action:
    - a. Requests for approval of submittals.
    - b. Requests for approval of substitutions.
    - c. Requests for approval of Contractor's means and methods.
    - d. Requests for coordination information already indicated in the Contract Documents.
    - e. Requests for adjustments in the Contract Time or the Contract Sum.
    - f. Requests for interpretation of Architect's actions on submittals.
    - g. Incomplete RFIs or inaccurately prepared RFIs.

2. Architect's action may include a request for additional information, in which case Architect's time for response will date from time of receipt of additional information.
3. Architect's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Section 012600 "Contract Modification Procedures."
  - a. If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Architect/RHA through Procure in writing within 10 days of receipt of the RFI response.

#### 1.7 PROJECT MEETINGS

- A. General: Schedule and conduct meetings and conferences at Project site unless otherwise indicated.
  1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Owner will notify Contractor and Architect of scheduled meeting dates and times.
  2. Agenda: Architect to prepare the meeting agenda. Distribute the agenda to all invited attendees.
  3. Minutes: Architect responsible for conducting meeting will record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Contractor, within three days of the meeting.
- B. Preconstruction Conference: RHA Procurement Department will schedule and conduct a preconstruction conference before starting construction, at a time convenient to Owner and Architect.
  1. Conduct the conference to review responsibilities and personnel assignments.
  2. Attendees: Authorized representatives of Owner, Architect, and their consultants; Contractor and its superintendent; major subcontractors; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
  3. Agenda: Discuss items of significance that could affect progress, including the following:
    - a. Tentative construction schedule.
    - b. Critical work sequencing and long-lead items.
    - c. Designation of key personnel and their duties.
    - d. Lines of communications.
    - e. Procedures for processing field decisions and Change Orders.
    - f. Procedures for RFIs.
    - g. Procedures for testing and inspecting.
    - h. Procedures for processing Applications for Payment.
    - i. Distribution of the Contract Documents.
    - j. Submittal procedures.
    - k. Preparation of record documents.
    - l. Use of the premises and existing building.
    - m. Work restrictions.
    - n. Working hours.
    - o. Owner's occupancy requirements.
    - p. Responsibility for temporary facilities and controls.
    - q. Procedures for moisture and mold control.
    - r. Procedures for disruptions and shutdowns.
    - s. Construction waste management and recycling.
    - t. Parking availability.
    - u. Office, work, and storage areas.

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- v. Equipment deliveries and priorities.
  - w. First aid.
  - x. Security.
  - y. Progress cleaning.
4. Minutes: Architect responsible for conducting meeting will record and distribute meeting minutes.
- C. Preinstallation Conferences: Conduct a preinstallation conference at Project site.
- 1. Attendees: Installer and representatives of manufacturers and fabricators involved in or affected by the installation and its coordination or integration with other materials and installations that have preceded or will follow, shall attend the meeting. RHA PM will advise Architect of scheduled meeting dates.
  - 2. Agenda: Review progress of construction activities, including requirements for the following:
    - a. Contract Documents.
    - b. Options.
    - c. Related RFIs.
    - d. Related Change Orders.
    - e. Purchases.
    - f. Deliveries.
    - g. Submittals.
    - h. Possible conflicts.
    - i. Compatibility requirements.
    - j. Time schedules.
    - k. Weather limitations.
    - l. Manufacturer's written instructions.
    - m. Warranty requirements.
    - n. Compatibility of materials.
    - o. Acceptability of substrates.
    - p. Temporary facilities and controls.
    - q. Space and access limitations.
    - r. Regulations of authorities having jurisdiction.
    - s. Testing and inspecting requirements.
    - t. Installation procedures.
    - u. Required performance results.
    - v. Protection of adjacent work.
    - w. Protection of construction and personnel.
  - 3. Record significant conference discussions, agreements, and disagreements, including required corrective measures and actions.
  - 4. Reporting: Architect to distribute minutes of the meeting to each party present and to other parties requiring information.
  - 5. Do not proceed with installation if the conference cannot be successfully concluded. Initiate whatever actions are necessary to resolve impediments to performance of the Work and reconvene the conference at earliest feasible date.
- D. Project Closeout Conference: Schedule and conduct a project closeout walk-through, at a time convenient to Owner and Architect, but no later than 30 days prior to the scheduled date of Substantial Completion.
- 1. Contractor to submit close-out documents via Procore and architect is to approve.
    - a. Preparation of record documents.

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- b. Procedures required prior to inspection for Substantial Completion and for final inspection for acceptance.
  - c. Submittal of written warranties.
  - d. Preparation of Contractor's punch list.
  - e. Procedures for processing Applications for Payment at Substantial Completion and for final payment.
  - f. Submittal procedures.
  - g. Responsibility for removing temporary facilities and controls.
- E. Progress Meetings: Conduct progress meetings at biweekly intervals.
- 1. Coordinate dates of meetings.
  - 2. Attendees: In addition to representatives of Owner and Architect, each contractor, subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. All participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.
  - 3. Agenda: Review and correct or approve minutes of previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to status of Project.
    - a. Contractor's Construction Schedule: Review progress since the last meeting. Determine whether each activity is on time, ahead of schedule, or behind schedule, in relation to Contractor's construction schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Time.
      - 1) Review schedule for next period.
    - b. Review present and future needs of each entity present, including the following:
      - 1) Sequence of operations.
      - 2) Status of submittals.
      - 3) Deliveries.
      - 4) Access.
      - 5) Site utilization.
      - 6) Temporary facilities and controls.
      - 7) Progress cleaning.
      - 8) Quality and work standards.
      - 9) Status of correction of deficient items.
      - 10) Field observations.
      - 11) Status of RFIs.
      - 12) Status of proposal requests.
      - 13) Pending changes.
      - 14) Status of Change Orders.
      - 15) Pending claims and disputes.
      - 16) Documentation of information for payment requests.
  - 4. Minutes: Architect responsible for conducting the meeting will record and distribute the meeting minutes to each party present and to parties requiring information.
    - a. Schedule Updating: Revise Contractor's construction schedule after each progress meeting where revisions to the schedule have been made or recognized. Issue revised schedule concurrently with the report of each meeting. Schedule can be uploaded into Procore.

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PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 013100

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## SECTION 013200 - CONSTRUCTION PROGRESS DOCUMENTATION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
  - 1. Startup construction schedule.
  - 2. Contractor's Construction Schedule.
  - 3. Construction schedule updating reports.
  - 4. Material location reports.
  - 5. Site condition reports.
  - 6. Unusual event reports.
- B. Related Requirements:
  - 1. Section 011200 "Multiple Contract Summary" for preparing a combined Contractor's Construction Schedule.

#### 1.3 DEFINITIONS

- A. Activity: A discrete part of a project that can be identified for planning, scheduling, monitoring, and controlling the construction Project. Activities included in a construction schedule consume time and resources.
  - 1. Critical Activity: An activity on the critical path that must start and finish on the planned early start and finish times.
  - 2. Predecessor Activity: An activity that precedes another activity.
  - 3. Successor Activity: An activity that follows another activity.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Format for Submittals: Submit required submittals in the following format:
  - 1. In PDF format uploaded to Procore.
- B. Startup construction schedule.

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- C. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.
- D. Material Location Reports: Submit at monthly intervals.
- E. Construction Schedule Updating Reports:
- F. Site Condition Reports: Submit at time of discovery of differing conditions.
- G. Unusual Event Reports: Submit at time of unusual event.

1.5 QUALITY ASSURANCE

- A. Prescheduling Conference: Conduct conference at Project site to comply with requirements in Section 013100 "Project Management and Coordination." Review methods and procedures related to the preliminary construction schedule and Contractor's Construction Schedule, including, but not limited to, the following:
  - 1. Verify availability of qualified personnel needed to develop and update schedule.
  - 2. Discuss constraints, including work stages, area separations, and partial Owner occupancy.
  - 3. Review submittal requirements and procedures.
  - 4. Review time required for review of submittals and resubmittals.
  - 5. Review requirements for tests and inspections by independent testing and inspecting agencies.
  - 6. Review time required for Project closeout and Owner startup procedures.
  - 7. Review and finalize list of construction activities to be included in schedule.
  - 8. Review procedures for updating schedule.

1.6 COORDINATION

- A. Coordinate Contractor's Construction Schedule with the schedule of values, submittal schedule, progress reports, payment requests, and other required schedules and reports.
  - 1. Secure time commitments for performing critical elements of the Work from entities involved.
  - 2. Coordinate each construction activity with other activities and schedule them in proper sequence.

1.7 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

- A. Time Frame: Extend schedule from date established for commencement of the Work, the Notice to Proceed, to date of final completion.
  - 1. Contract completion date shall not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by Change Order.
- B. Activities: Treat each floor or separate area as a separate numbered activity for each main element of the Work. Comply with the following:
  - 1. Activity Duration: Define activities so no activity is longer than 20 days, unless specifically allowed by Architect.

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2. Procurement Activities: Include procurement process activities for the following long lead items and major items, requiring a cycle of more than 60 days, as separate activities in schedule. Procurement cycle activities include, but are not limited to, submittals, approvals, purchasing, fabrication, and delivery.
  3. Submittal Review Time: Include review and resubmittal times indicated in Section 013300 "Submittal Procedures" in schedule. Coordinate submittal review times in Contractor's Construction Schedule with submittal schedule.
  4. Startup and Testing Time: Include no fewer than 15 days for startup and testing.
  5. Substantial Completion: Indicate completion in advance of date established for Substantial Completion, and allow time for Architect's administrative procedures necessary for certification of Substantial Completion.
  6. Punch List and Final Completion: Include not more than 30 days for completion of punch list items and final completion.
- C. Constraints: Include constraints and work restrictions indicated in the Contract Documents and as follows in schedule, and show how the sequence of the Work is affected.
1. Work under More Than One Contract: Include a separate activity for each contract.
  2. Work Restrictions: Show the effect of the following items on the schedule:
    - a. Limitations of continued occupancies.
    - b. Uninterruptible services.
    - c. Partial occupancy before Substantial Completion.
    - d. Use-of-premises restrictions.
    - e. Seasonal variations.
    - f. Environmental control.
  3. Work Stages: Indicate important stages of construction for each major portion of the Work, including, but not limited to, the following:
    - a. Submittals.
    - b. Mockups.
    - c. Installation.
    - d. Tests and inspections.
    - e. Curing.
    - f. Startup and placement into final use and operation.
- D. Upcoming Work Summary: Prepare summary report indicating activities scheduled to occur or commence prior to submittal of next schedule update. Summarize the following issues:
1. Unresolved issues.
  2. Unanswered Requests for Information.
  3. Rejected or unreturned submittals.
  4. Notations on returned submittals.
  5. Pending modifications affecting the Work and the Contract Time.
- E. Contractor's Construction Schedule Updating: At monthly intervals, update schedule to reflect actual construction progress and activities. Issue schedule one week before each regularly scheduled progress meeting.
1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.
  2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
  3. As the Work progresses, indicate final completion percentage for each activity.
- F. Recovery Schedule: When periodic update indicates the Work is 14 or more calendar days behind the current approved schedule, submit a separate recovery schedule indicating means by which Contractor intends to regain

compliance with the schedule. Indicate changes to working hours, working days, crew sizes, equipment required to achieve compliance, and date by which recovery will be accomplished.

- G. Distribution: Distribute copies of approved schedule to Architect, Owner, separate contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
  - 1. Post copies in Project meeting rooms and temporary field offices.
  - 2. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

#### 1.8 STARTUP CONSTRUCTION SCHEDULE

- A. Gantt-Chart Schedule: Submit startup, horizontal, Gantt-chart-type or other construction schedule within seven days of date established for the Notice to Proceed.
- B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line. Outline significant construction activities for first 90 days of construction. Include skeleton diagram for the remainder of the Work and a cash requirement prediction based on indicated activities.

#### 1.9 GANTT-CHART SCHEDULE REQUIREMENTS

- A. Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal, Gantt-chart-type or other, Contractor's Construction Schedule within 30 days of date established for the Notice of Award.
  - 1. Base schedule on the startup construction schedule and additional information received since the start of Project.
- B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line.
  - 1. For construction activities that require three months or longer to complete, indicate an estimated completion percentage in 10 percent increments within time bar.

#### 1.10 REPORTS

- A. Material Location Reports: Only for stored materials if agreed upon. At monthly intervals, prepare and submit a comprehensive list of materials delivered to and stored at Project site. List shall be cumulative, showing materials previously reported plus items recently delivered. Include with list a statement of progress on and delivery dates for materials or items of equipment fabricated or stored away from Project site. Indicate the following categories for stored materials:
  - 1. Material stored prior to previous report and remaining in storage.
  - 2. Material stored prior to previous report and since removed from storage and installed.
  - 3. Material stored following previous report and remaining in storage.
- B. Site Condition Reports: Immediately on discovery of a difference between site conditions and the Contract Documents, prepare and submit a detailed report. Submit with a Request for Information. Include a detailed description of the differing conditions, together with recommendations for changing the Contract Documents.
- C. Unusual Event Reports: When an event of an unusual and significant nature occurs at Project site, whether or not related directly to the Work, prepare and submit a special report. List chain of events, persons participating,

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responses by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise Owner in advance when these events are known or predictable.

1. Submit unusual event reports directly to Owner within one day(s) of an occurrence. Distribute copies of report to parties affected by the occurrence.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 013200

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## SECTION 013300 - SUBMITTAL PROCEDURES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes requirements for the submittal schedule and administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other submittals.
- B. Related Requirements:
  - 1. Section 013200 "Construction Progress Documentation" for submitting schedules and reports, including Contractor's construction schedule.
  - 2. Section 017823 "Operation and Maintenance Data" for submitting operation and maintenance manuals.
  - 3. Section 017839 "Project Record Documents" for submitting record Drawings, record Specifications, and record Product Data.

#### 1.3 DEFINITIONS

- A. Action Submittals: Written and graphic information and physical samples that require Architect's responsive action. Action submittals are those submittals indicated in individual Specification Sections as "action submittals."
- B. Informational Submittals: Written and graphic information and physical samples that do not require Architect's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as "informational submittals."

#### 1.4 ACTION SUBMITTALS

- A. Submittal Schedule: Submit a schedule of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, ordering, manufacturing, fabrication, and delivery when establishing dates. Include additional time required for making corrections or revisions to submittals noted by Architect and additional time for handling and reviewing submittals required by those corrections.
  - 1. Coordinate submittal schedule with list of subcontracts, the schedule of values, and Contractor's construction schedule.
  - 2. Initial Submittal: Submit concurrently with startup construction schedule. Include submittals required during the first 30 days of construction. List those submittals required to maintain orderly progress of the Work and those required early because of long lead time for manufacture or fabrication.
  - 3. Final Submittal: Submit concurrently with the first complete submittal of Contractor's construction schedule.
    - a. Submit revised submittal schedule to reflect changes in current status and timing for submittals.

4. Submittals will be created in Procore by RHA for the Contractor to review and upload information and for Architect to approve or reject.
  - a. Format: Arrange the following information in a tabular format:
    - 1) Scheduled date for first submittal.
    - 2) Specification Section number and title.
    - 3) Submittal category: Action; informational.
    - 4) Name of subcontractor.
    - 5) Description of the Work covered.
    - 6) Scheduled date for Architect's final release or approval.
    - 7) Scheduled date of fabrication.

## 1.5 SUBMITTAL ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
  1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
  2. Submit all submittal items required for each Specification Section concurrently unless partial submittals for portions of the Work are indicated on approved submittal schedule.
  3. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.
  4. Coordinate transmittal of different types of submittals for related parts of the Work so processing will not be delayed because of need to review submittals concurrently for coordination.
    - a. Architect reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
- B. Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Architect's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.
  1. Initial Review: Allow 5 days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. Architect will advise Contractor when a submittal being processed must be delayed for coordination.
  2. Intermediate Review: If intermediate submittal is necessary, process it in same manner as initial submittal.
  3. Resubmittal Review: Allow 5 days for review of each resubmittal.

## PART 2 - PRODUCTS

### 2.1 SUBMITTAL PROCEDURES

- A. General Submittal Procedure Requirements: Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
  1. Action Submittals: Submit one electronic copy in pdf format of each submittal unless otherwise indicated into Procore. Architect will respond via Procore.
  2. Informational Submittals: Submit in pdf format of each submittal unless otherwise indicated. Architect will respond via Procore.
  3. Certificates and Certifications Submittals: Provide a statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity.



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- B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
1. If information must be specially prepared for submittal because standard published data are not suitable for use, submit as Shop Drawings, not as Product Data.
  2. Mark each copy of each submittal to show which products and options are applicable.
  3. Include the following information, as applicable:
    - a. Manufacturer's catalog cuts.
    - b. Manufacturer's product specifications.
    - c. Standard color charts.
    - d. Statement of compliance with specified referenced standards.
    - e. Testing by recognized testing agency.
    - f. Application of testing agency labels and seals.
    - g. Notation of coordination requirements.
    - h. Availability and delivery time information.
  4. For equipment, include the following in addition to the above, as applicable:
    - a. Wiring diagrams showing factory-installed wiring.
    - b. Printed performance curves.
    - c. Operational range diagrams.
    - d. Clearances required to other construction, if not indicated on accompanying Shop Drawings.
  5. Submit Product Data before or concurrent with Samples.
  6. Submit Product Data in the following format:
    - a. Via Procore.
- C. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data.
1. Preparation: Fully illustrate requirements in the Contract Documents. Include the following information, as applicable:
    - a. Identification of products.
    - b. Schedules.
    - c. Compliance with specified standards.
    - d. Notation of coordination requirements.
    - e. Notation of dimensions established by field measurement.
    - f. Relationship and attachment to adjoining construction clearly indicated.
    - g. Seal and signature of professional engineer if specified.
- D. Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other elements and for a comparison of these characteristics between submittal and actual component as delivered and installed.
1. Transmit Samples that contain multiple, related components such as accessories together in one submittal package.
  2. Identification: Attach label on unexposed side of Samples that includes the following:
    - a. Generic description of Sample.
    - b. Product name and name of manufacturer.
    - c. Sample source.

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- d. Number and title of applicable Specification Section.
    - e. Specification paragraph number and generic name of each item.
  3. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
  4. Samples for Verification: Submit full-size units or Samples of size indicated, prepared from same material to be used for the Work, cured and finished in manner specified, and physically identical with material or product proposed for use, and that show full range of color and texture variations expected. Samples include, but are not limited to, the following: partial sections of manufactured or fabricated components; small cuts or containers of materials; complete units of repetitively used materials; swatches showing color, texture, and pattern; color range sets; and components used for independent testing and inspection.
    - a. Number of Samples: Submit two sets of Samples. Architect will retain one Sample set; remainder will be returned. Mark up and retain one returned Sample set as a project record sample.
      - 1) Submit a single Sample where assembly details, workmanship, fabrication techniques, connections, operation, and other similar characteristics are to be demonstrated.
      - 2) If variation in color, pattern, texture, or other characteristic is inherent in material or product represented by a Sample, submit at least three sets of paired units that show approximate limits of variations.
- E. Product Schedule: As required in individual Specification Sections.
  1. Type of product. Include unique identifier for each product indicated in the Contract Documents or assigned by Contractor if none is indicated.
  2. Manufacturer and product name, and model number if applicable.
  3. Number and name of room or space.
  4. Location within room or space.
  5. Submit product schedule in the following format:
    - a. In PDF format uploaded into Procure.
- F. Coordination Drawing Submittals: Comply with requirements specified in Section 013100 "Project Management and Coordination."
- G. Contractor's Construction Schedule: Comply with requirements specified in Section 013200 "Construction Progress Documentation."
- H. Test and Inspection Reports and Schedule of Tests and Inspections Submittals: Comply with requirements specified in Section 014000 "Quality Requirements."
- I. Closeout Submittals and Maintenance Material Submittals: Comply with requirements specified in Section 017700 "Closeout Procedures."
- J. Maintenance Data: Comply with requirements specified in Section 017823 "Operation and Maintenance Data."
- K. Qualification Data: Prepare written information that demonstrates capabilities and experience of firm or person. Include lists of completed projects with project names and addresses, contact information of architects and owners, and other information specified.

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- L. Installer Certificates: Submit written statements on manufacturer's letterhead certifying that Installer complies with requirements in the Contract Documents and, where required, is authorized by manufacturer for this specific Project.
- M. Manufacturer Certificates: Submit written statements on manufacturer's letterhead certifying that manufacturer complies with requirements in the Contract Documents. Include evidence of manufacturing experience where required.
- N. Product Certificates: Submit written statements on manufacturer's letterhead certifying that product complies with requirements in the Contract Documents.
- O. Material Certificates: Submit written statements on manufacturer's letterhead certifying that material complies with requirements in the Contract Documents.
- P. Material Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting test results of material for compliance with requirements in the Contract Documents.
- Q. Product Test Reports: Submit written reports indicating that current product produced by manufacturer complies with requirements in the Contract Documents. Base reports on evaluation of tests performed by manufacturer and witnessed by a qualified testing agency, or on comprehensive tests performed by a qualified testing agency.
- R. Research Reports: Submit written evidence, from a model code organization acceptable to authorities having jurisdiction, that product complies with building code in effect for Project. Include the following information:
  - 1. Name of evaluation organization.
  - 2. Date of evaluation.
  - 3. Time period when report is in effect.
  - 4. Product and manufacturers' names.
  - 5. Description of product.
  - 6. Test procedures and results.
  - 7. Limitations of use.
- S. Preconstruction Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting results of tests performed before installation of product, for compliance with performance requirements in the Contract Documents.
- T. Compatibility Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting results of compatibility tests performed before installation of product. Include written recommendations for primers and substrate preparation needed for adhesion.
- U. Field Test Reports: Submit written reports indicating and interpreting results of field tests performed either during installation of product or after product is installed in its final location, for compliance with requirements in the Contract Documents.
- V. Design Data: Prepare and submit written and graphic information, including, but not limited to, performance and design criteria, list of applicable codes and regulations, and calculations. Include list of assumptions and other performance and design criteria and a summary of loads. Include load diagrams if applicable. Provide name and version of software, if any, used for calculations. Include page numbers.

## 2.2 CONTRACTOR'S REVIEW

- A. Action and Informational Submittals: Review each submittal and check for coordination with other Work of the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Architect via Procure.
- B. Project Closeout and Maintenance Material Submittals: See requirements in Section 017700 "Closeout Procedures."
- C. Approval Stamp: Architect is to stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

## 2.3 ARCHITECT'S ACTION

- A. Action Submittals: Architect will review each submittal, make marks to indicate corrections or revisions required, and return it. Architect will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action, as follows:
  - 1. Where the submittal is marked "No Exception Noted", the work covered by the submittal may proceed provided it complies with the contract documents. Final acceptance will depend on that compliance.
  - 2. Where the submittal is marked "Note Markings", the work covered by the submittal may proceed provided it complies with the review comments noted on the submittal and the contract documents. Final acceptance will depend on that compliance.
  - 3. Where the submittal is marked "Rejected", do not proceed with the work covered by the submittal including purchasing, fabrication, delivery or other activity for the item submitted. Prepare a new submittal according to the review comments noted on the submittal and meeting the contract documents.
  - 4. Where the submittal is marked "Revise and Resubmit", do not proceed with the work covered by the submittal, including purchasing, fabrication, delivery or other activity for the item submitted. Revise or prepare a new submittal according to the review comments noted on the submittal and meeting the contract documents.
  - 5. Where the submittal is marked "No Action", no review was made of this item, see comments noted on submittal and take appropriate action.
- B. Informational Submittals: Architect will review each submittal and will return it if it does not comply with requirements.
- C. Partial submittals prepared for a portion of the Work will be reviewed when use of partial submittals has received prior approval from Architect.
- D. Incomplete submittals are unacceptable, will be considered nonresponsive, and will be returned for resubmittal without review.
- E. Submittals not required by the Contract Documents may be returned by the Architect without action.

END OF SECTION 013300

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**SHOP DRAWING AND SUBMITTAL**

PROJECT: Jonathan Child Apartments Masonry Reconstruction

TA NUMBER: 24042

ARCHITECT: Trautman Associates- Architects Engineers

37 Franklin Street, Suite 100

Buffalo, New York 14202

CONTRACTOR: \_\_\_\_\_

SUBCONTRACTOR: \_\_\_\_\_

OR SUPPLIER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

MANUFACTURER: \_\_\_\_\_

DATE: \_\_\_\_\_

ITEM: \_\_\_\_\_

SPEC. SECTION: \_\_\_\_\_ PAGE \_\_\_\_\_ LINE \_\_\_\_\_

DRAWING NO.: \_\_\_\_\_

SUBMITTAL NO.: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

TA STAMP



## SECTION 013516 - ALTERATION PROJECT PROCEDURES

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes special procedures for alteration work.

#### 1.2 DEFINITIONS

- A. Alteration Work: This term includes remodeling, renovation, repair, and maintenance work performed within existing spaces or on existing surfaces as part of the Project.
- B. Consolidate: To strengthen loose or deteriorated materials in place.
- C. Design Reference Sample: A sample that represents the Architect's prebid selection of work to be matched; it may be existing work or work specially produced for the Project.
- D. Dismantle: To remove by disassembling or detaching an item from a surface, using gentle methods and equipment to prevent damage to the item and surfaces; disposing of items unless indicated to be salvaged or reinstalled.
- E. Match: To blend with adjacent construction and manifest no apparent difference in material type, species, cut, form, detail, color, grain, texture, or finish; as approved by Architect.
- F. Refinish: To remove existing finishes to base material and apply new finish to match original, or as otherwise indicated.
- G. Repair: To correct damage and defects, retaining existing materials, features, and finishes. This includes patching, piecing-in, splicing, consolidating, or otherwise reinforcing or upgrading materials.
- H. Replace: To remove, duplicate, and reinstall entire item with new material. The original item is the pattern for creating duplicates unless otherwise indicated.
- I. Replicate: To reproduce in exact detail, materials, and finish unless otherwise indicated.
- J. Reproduce: To fabricate a new item, accurate in detail to the original, and from either the same or a similar material as the original, unless otherwise indicated.
- K. Retain: To keep an element or detail secure and intact.
- L. Strip: To remove existing finish down to base material unless otherwise indicated.

### 1.3 COORDINATION

- A. Alteration Work Sub schedule: A construction schedule coordinating the sequencing and scheduling of alteration work for entire Project, including each activity to be performed, and based on Contractor's Construction Schedule. Secure time commitments for performing critical construction activities from separate entities responsible for alteration work.
1. Schedule construction operations in sequence required to obtain best Work results.
  2. Coordinate sequence of alteration work activities to accommodate the following:
    - a. Other known work in progress.
    - b. Tests and inspections.
  3. Detail sequence of alteration work, with start and end dates.
  4. Utility Services: Indicate how long utility services will be interrupted. Coordinate shutoff, capping, and continuation of utility services.
  5. Use of elevator/lift and stairs.
- B. Pedestrian and Vehicular Circulation: Coordinate alteration work with circulation patterns within Project building(s) and site. Some work is near circulation patterns. Circulation patterns cannot be closed off entirely and in places can be only temporarily redirected around small areas of work. Plan and execute the Work accordingly.

### 1.4 PROJECT MEETINGS FOR ALTERATION WORK

- A. Preliminary Conference for Alteration Work: Before starting alteration work, Architect will conduct conference at Project site.
1. Attendees: In addition to representatives of Owner, Architect, and Contractor, testing service representative, specialists, and roofing manufacturer's technical representative shall be represented at the meeting.
  2. Agenda: Discuss items of significance that could affect progress of alteration work, including review of the following:
    - a. Alteration Work Sub-schedule: Discuss and finalize; verify availability of materials, specialists' personnel, equipment, and facilities needed to make progress and avoid delays.
    - b. Fire-prevention plan.
    - c. Governing regulations.
    - d. Areas where existing construction is to remain and the required protection.
    - e. Hauling routes.
    - f. Sequence of alteration work operations.
    - g. Storage, protection, and accounting for salvaged and specially fabricated items.
    - h. Existing conditions, staging, and structural loading limitations of areas where materials are stored.
    - i. Qualifications of personnel assigned to alteration work and assigned duties.
    - j. Requirements for extent and quality of work, tolerances, and required clearances.
    - k. Embedded work such as flashings and lintels, special details, collection of waste, protection of occupants and the public, and condition of other construction that affects the Work or will affect the work.



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3. Reporting: Architect will record conference results and distribute copies to everyone in attendance and to others affected by decisions or actions resulting from conference.
- B. Project Meetings: Conduct Projects meetings specifically for alteration work at bi-weekly intervals based on progress of the work. Project meetings are in addition to specific meetings held for other purposes, such as coordination meetings and preinstallation conferences.
1. Attendees: In addition to representatives of Owner, Architect, and Contractor, each specialist, supplier, installer, and other entity concerned with progress or involved in planning, coordination, or performance of alteration work activities shall be represented at these meetings. All participants at conference shall be familiar with Project and authorized to conclude matters relating to alteration work.
  2. Agenda: Review and correct or approve minutes of previous coordination meeting. Review other items of significance that could affect progress of alteration work. Include topics for discussion as appropriate to status of Project.
    - a. Alteration Work Sub schedule: Review progress since last coordination meeting. Determine whether each schedule item is on time, ahead of schedule, or behind schedule. Determine how construction behind schedule will be expedited with retention of quality; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities are completed within the Contract Time.
    - b. Schedule Updating: Contractor's to revise Alteration Work schedule after each coordination meeting where revisions to schedule have been made or recognized. Issue revised schedule concurrently with report of each meeting.
    - c. Review present and future needs of each entity present, including review items listed in the "Preliminary Conference for Alteration Work" Paragraph in this article and the following:
      - 1) Interface requirements of alteration work with other Project Work.
      - 2) Status of submittals for alteration work.
      - 3) Access to alteration work locations.
      - 4) Effectiveness of fire-prevention plan.
      - 5) Quality and work standards of alteration work.
      - 6) Change Orders for alteration work.
  3. Reporting: Record meeting results and distribute copies to everyone in attendance and to others affected by decisions or actions resulting from each meeting.

1.5 MATERIALS OWNERSHIP

- A. Items identified in the Contract Documents.
1. Carefully dismantle, salvage and store each item or object in a manner to prevent damage and protect it from damage.

1.6 INFORMATIONAL SUBMITTALS

- A. Alteration Work Subschedule:

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1. Submit alteration work subschedule within seven days of date established for commencement of alteration work.
- B. Preconstruction Documentation: Show preexisting conditions of adjoining construction and site improvements that are to remain, including finish surfaces, that might be misconstrued as damage caused by Contractor's alteration work operations.
- C. Safety Plan showing barriers at scope of work areas: Submit 7 days before work begins.

1.7 QUALITY ASSURANCE

- A. Qualifications: An experienced firm(s) regularly engaged in specialty work similar in nature, materials, design, and extent to alteration work as specified in each Section and that has completed a minimum of five recent projects with a record of successful in-service performance that demonstrates the firm's qualifications to perform this work.
  1. Field Supervisor Qualifications: Full-time supervisors experienced in specific work similar in nature, material, design, and extent to that indicated for this Project. Supervisors shall be on-site when work begins and during its progress. Supervisors shall not be changed during Project except for causes beyond the control of the construction firm.
  - B. Title X Requirement: Each firm conducting activities that disturb painted surfaces shall be a "Lead-Safe Certified Firm" according to 40 CFR 745, Subpart E, and use only workers that are trained in lead-safe work practices.
  - C. Alteration Work Program: Prepare a written plan for alteration work for whole Project, including each phase or process and protection of surrounding materials during operations. Show compliance with indicated methods and procedures specified in this and other Sections. Coordinate this whole-Project alteration work program with specific requirements of programs required in other alteration work Sections.
    1. Dust and Noise Control: Include locations of proposed temporary dust- and noise-control partitions and means of egress from occupied areas coordinated with continuing on-site operations and other known work in progress.
    2. Debris Hauling: RHA to coordinate location of dumpster and/or trailer and location of temporary protective barriers on site if needed.
  - D. Fire-Prevention Plan: Prepare a written plan for preventing fires during the Work, including placement of fire extinguishers, fire blankets, rag buckets, and other fire-control devices during each phase or process. Coordinate plan with Owner's fire-protection equipment and requirements. Include fire-watch personnel's training, duties, and authority to enforce fire safety.
  - E. Safety and Health Standard: Comply with ANSI/ASSP A10.6.

1.8 STORAGE AND HANDLING OF SALVAGED MATERIALS

- A. Salvaged Materials for Reinstallation:
  1. Repair and clean items for reuse as indicated.

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2. Pack or crate items after cleaning and repairing; cushion against damage during handling. Label contents of containers.
  3. Protect items from damage during transport and storage.
  4. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment unless otherwise indicated. Provide connections, supports, and miscellaneous materials to make items functional for use indicated.
- B. Existing Materials to Remain: Protect construction indicated to remain against damage and soiling from construction work. Where permitted by Architect, items may be dismantled and taken to a suitable, protected storage location during construction work and reinstalled in their original locations after alteration and other construction work in the vicinity is complete.
- C. Storage: Catalog and store items within a weathertight enclosure where they are protected from moisture, weather, condensation, and freezing temperatures.
1. Identify each item for reinstallation with a nonpermanent mark to document its original location. Indicate original locations on plans, elevations, sections, or photographs by annotating the identifying marks.
  2. Secure stored materials to protect from theft.
  3. Control humidity so that it does not exceed 85 percent. Maintain temperatures 5 deg F (3 deg C) or more above the dew point.
- D. Storage Space:
1. Owner will arrange for limited on-site location(s) for free storage of salvaged material.
  2. Arrange for off-site locations for storage and protection of salvaged material that cannot be stored and protected on-site.
- 1.9 FIELD CONDITIONS
- A. Survey of Existing Conditions: Record existing conditions that affect the Work by use of measured drawings and preconstruction photographs.
- B. Discrepancies: Notify Architect of discrepancies between existing conditions and Drawings before proceeding with removal and dismantling work.
- C. Size Limitations in Existing Spaces: Materials, products, and equipment used for performing the Work and for transporting debris, materials, and products shall be of sizes that clear surfaces within existing spaces, areas, rooms, and openings, including temporary protection, by 12 inches (300 mm) or more.

PART 2 - PRODUCTS - (Not Used)

PART 3 - EXECUTION

3.1 PROTECTION

- A. Protect persons, motor vehicles, surrounding surfaces of building, building site, plants, and surrounding buildings from harm resulting from alteration work.
1. Use only proven protection methods, appropriate to each area and surface being protected.
  2. Provide temporary barricades, barriers, and directional signage to exclude the public from areas where alteration work is being performed.
  3. Erect temporary barriers to form and maintain fire-egress routes.
  4. Erect temporary protective covers over walkways and at points of pedestrian and vehicular entrance and exit that must remain in service during alteration work.
  5. Contain dust and debris generated by alteration work and prevent it from reaching the public or adjacent surfaces.
  6. Provide shoring, bracing, and supports as necessary. Do not overload structural elements.
  7. Protect floors and other surfaces along hauling routes from damage, wear, and staining.
- B. Temporary Protection of Materials to Remain:
1. Protect existing materials with temporary protections and construction. Do not remove existing materials unless otherwise indicated.
  2. Do not attach temporary protection to existing surfaces except as indicated as part of the alteration work program.
- C. Comply with each product manufacturer's written instructions for protections and precautions. Protect against adverse effects of products and procedures on people and adjacent materials, components, and vegetation.
- D. Utility and Communications Services:
1. Notify Owner, Architect, authorities having jurisdiction, and entities owning or controlling wires, conduits, pipes, and other services affected by alteration work before commencing operations.
  2. Disconnect and cap pipes and services as required by authorities having jurisdiction, as required for alteration work.
  3. Maintain existing services unless otherwise indicated; keep in service, and protect against damage during operations. Provide temporary services during interruptions to existing utilities.
- E. Existing Drains: Prior to the start of work in an area, test drainage system to ensure that it is functioning properly. Notify Architect immediately of inadequate drainage or blockage. Do not begin work in an area until the drainage system is functioning properly.
1. Prevent solids such as adhesive or mortar residue or other debris from entering the drainage system. Clean out drains and drain lines that become sluggish or blocked by sand or other materials resulting from alteration work.
  2. Protect drains from pollutants. Block drains or filter out sediments, allowing only clean water to pass.
  3. Test and protect roof drains.

### 3.2 PROTECTION FROM FIRE

- A. General: Follow fire-prevention plan and the following:
1. Comply with NFPA 241 requirements unless otherwise indicated.
  2. Remove and keep area free of combustibles, including rubbish, paper, waste, and chemicals, unless necessary for the immediate work.
    - a. If combustible material cannot be removed, provide fire blankets to cover such materials.
- B. Heat-Generating Equipment and Combustible Materials: Comply with the following procedures while performing work with heat-generating equipment or combustible materials, including welding, torch-cutting, soldering, brazing, removing paint with heat, or other operations where open flames or implements using high heat or combustible solvents and chemicals are anticipated:
1. Obtain Owner's approval for operations involving use of open-flame or welding or other high-heat equipment. Notify Owner at least 72 hours before each occurrence, indicating location of such work.
  2. As far as practicable, restrict heat-generating equipment to shop areas or outside the building.
  3. Do not perform work with heat-generating equipment in or near rooms or in areas where flammable liquids or explosive vapors are present or thought to be present. Use a combustible gas indicator test to ensure that the area is safe.
  4. Use fireproof baffles to prevent flames, sparks, hot gases, or other high-temperature material from reaching surrounding combustible material.
  5. Prevent the spread of sparks and particles of hot metal through open windows, doors, holes, and cracks in floors, walls, ceilings, roofs, and other openings.
  6. Fire Watch: Before working with heat-generating equipment or combustible materials, station personnel to serve as a fire watch at each location where such work is performed. Fire-watch personnel shall have the authority to enforce fire safety. Station fire watch according to NFPA 51B, NFPA 241, and as follows:
    - a. Train each fire watch in the proper operation of fire-control equipment and alarms.
    - b. Prohibit fire-watch personnel from other work that would be a distraction from fire-watch duties.
    - c. Cease work with heat-generating equipment whenever fire-watch personnel are not present.
    - d. Have fire-watch personnel perform final fire-safety inspection each day beginning no sooner than 30 minutes after conclusion of work in each area to detect hidden or smoldering fires and to ensure that proper fire prevention is maintained.
    - e. Maintain fire-watch personnel at each area of Project site until 30 minutes after conclusion of daily work.
- C. Fire-Control Devices: Provide and maintain fire extinguishers, fire blankets, and rag buckets for disposal of rags with combustible liquids. Maintain each as suitable for the type of fire risk in each work area. Ensure that nearby personnel and the fire-watch personnel are trained in fire-extinguisher and blanket use.

### 3.3 GENERAL ALTERATION WORK

- A. Have specialty work performed only by qualified specialists.
- B. Ensure that supervisory personnel are present when work begins and during its progress.

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- C. Record existing work before each procedure (preconstruction), and record progress during the work. Use digital preconstruction documentation photographs.
- D. Perform surveys of Project site as the Work progresses to detect hazards resulting from alterations.
- E. Notify Architect of visible changes in the integrity of material or components whether from environmental causes including biological attack, UV degradation, freezing, or thawing or from structural defects including cracks, movement, or distortion.
  - 1. Do not proceed with the work in question until directed by Architect.

END OF SECTION 013516

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## SECTION 014000 - QUALITY REQUIREMENTS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for quality assurance and quality control.
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.
  - 1. Specific quality-assurance and -control requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in those Sections may also cover production of standard products.
  - 2. Specified tests, inspections, and related actions do not limit Contractor's other quality-assurance and -control procedures that facilitate compliance with the Contract Document requirements.
  - 3. Requirements for Contractor to provide quality-assurance and -control services required by Architect, Owner, or authorities having jurisdiction are not limited by provisions of this Section.
  - 4. Specific test and inspection requirements are not specified in this Section.

#### 1.3 DEFINITIONS

- A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and substantiate that proposed construction will comply with requirements.
- B. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that actual product incorporated into the Work and completed construction comply with requirements. Services do not include contract enforcement activities performed by Architect.
- C. Preconstruction Testing: Tests and inspections performed specifically for Project before products and materials are incorporated into the Work, to verify performance or compliance with specified criteria.
- D. Product Testing: Tests and inspections that are performed by an NRTL, an NVLAP, or a testing agency qualified to conduct product testing and acceptable to authorities having jurisdiction, to establish product performance and compliance with specified requirements.
- E. Source Quality-Control Testing: Tests and inspections that are performed at the source, e.g., plant, mill, factory, or shop.
- F. Field Quality-Control Testing: Tests and inspections that are performed on-site for installation of the Work and for completed Work.

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- G. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.
- H. Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, Subcontractor, or Sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.
  - 1. Use of trade-specific terminology in referring to a trade or entity does not require that certain construction activities be performed by accredited or unionized individuals, or that requirements specified apply exclusively to specific trade(s).
- I. Experienced: When used with an entity or individual, "experienced" means having successfully completed a minimum of five previous projects similar in nature, size, and extent to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

#### 1.4 CONFLICTING REQUIREMENTS

- A. Referenced Standards: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer conflicting requirements that are different, but apparently equal, to Architect for a decision before proceeding.
- B. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements. Refer uncertainties to Architect for a decision before proceeding.

#### 1.5 INFORMATIONAL SUBMITTALS

- A. Contractor's Quality-Control Plan: For quality-assurance and quality-control activities and responsibilities.
- B. Qualification Data: For Contractor's quality-control personnel.
- C. Testing Agency Qualifications: For testing agencies specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include proof of qualifications in the form of a recent report on the inspection of the testing agency by a recognized authority.
- D. Schedule of Tests and Inspections: Prepare in tabular form and include the following:
  - 1. Specification Section number and title.
  - 2. Entity responsible for performing tests and inspections.
  - 3. Description of test and inspection.
  - 4. Identification of applicable standards.
  - 5. Identification of test and inspection methods.
  - 6. Number of tests and inspections required.
  - 7. Time schedule or time span for tests and inspections.
  - 8. Requirements for obtaining samples.
  - 9. Unique characteristics of each quality-control service.



1.6 CONTRACTOR'S QUALITY-CONTROL PLAN

- A. Quality-Control Plan, General: Submit quality-control plan within 10 days of Notice to Proceed, and not less than five days prior to preconstruction conference. Submit in format acceptable to Architect. Identify personnel, procedures, controls, instructions, tests, records, and forms to be used to carry out Contractor's quality-assurance and quality-control responsibilities. Coordinate with Contractor's construction schedule.
- B. Quality-Control Personnel Qualifications: Engage qualified full-time personnel trained and experienced in managing and executing quality-assurance and quality-control procedures similar in nature and extent to those required for Project.
  - 1. Project quality-control manager may also serve as Project superintendent.
- C. Submittal Procedure: Describe procedures for ensuring compliance with requirements through review and management of submittal process. Indicate qualifications of personnel responsible for submittal review.
- D. Testing and Inspection: In quality-control plan, include a comprehensive schedule of Work requiring testing or inspection, including the following:
  - 1. Contractor-performed tests and inspections including subcontractor-performed tests and inspections. Include required tests and inspections and Contractor-elected tests and inspections.
- E. Continuous Inspection of Workmanship: Describe process for continuous inspection during construction to identify and correct deficiencies in workmanship in addition to testing and inspection specified. Indicate types of corrective actions to be required to bring work into compliance with standards of workmanship established by Contract requirements.
- F. Monitoring and Documentation: Maintain testing and inspection reports including log of approved and rejected results. Include work Architect has indicated as nonconforming or defective. Indicate corrective actions taken to bring nonconforming work into compliance with requirements. Comply with requirements of authorities having jurisdiction.

1.7 REPORTS AND DOCUMENTS

- A. Test and Inspection Reports: Prepare and submit certified written reports specified in other Sections. Include the following:
  - 1. Date of issue.
  - 2. Project title and number.
  - 3. Name, address, and telephone number of testing agency.
  - 4. Dates and locations of samples and tests or inspections.
  - 5. Names of individuals making tests and inspections.
  - 6. Description of the Work and test and inspection method.
  - 7. Identification of product and Specification Section.
  - 8. Complete test or inspection data.
  - 9. Test and inspection results and an interpretation of test results.
  - 10. Record of temperature and weather conditions at time of sample taking and testing and inspecting.
  - 11. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
  - 12. Name and signature of laboratory inspector.
  - 13. Recommendations on retesting and reinspecting.

- B. Manufacturer's Technical Representative's Field Reports: Prepare written information documenting manufacturer's technical representative's tests and inspections specified in other Sections. Include the following:
  - 1. Name, address, and telephone number of technical representative making report.
  - 2. Statement on condition of substrates and their acceptability for installation of product.
  - 3. Statement that products at Project site comply with requirements.
  - 4. Summary of installation procedures being followed, whether they comply with requirements and, if not, what corrective action was taken.
  - 5. Results of operational and other tests and a statement of whether observed performance complies with requirements.
  - 6. Statement whether conditions, products, and installation will affect warranty.
  - 7. Other required items indicated in individual Specification Sections.
  
- C. Factory-Authorized Service Representative's Reports: Prepare written information documenting manufacturer's factory-authorized service representative's tests and inspections specified in other Sections. Include the following:
  - 1. Name, address, and telephone number of factory-authorized service representative making report.
  - 2. Statement that equipment complies with requirements.
  - 3. Results of operational and other tests and a statement of whether observed performance complies with requirements.
  - 4. Statement whether conditions, products, and installation will affect warranty.
  - 5. Other required items indicated in individual Specification Sections.
  
- D. Permits, Licenses, and Certificates: For Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

## 1.8 QUALITY ASSURANCE

- A. General: Qualifications paragraphs in this article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.
  
- B. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
  
- C. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.
  
- D. Testing Agency Qualifications: An NRTL, an NVLAP, or an independent agency with the experience and capability to conduct testing and inspecting indicated, as documented according to ASTM E 329; and with additional qualifications specified in individual Sections; and, where required by authorities having jurisdiction, that is acceptable to authorities.
  - 1. NRTL: A nationally recognized testing laboratory according to 29 CFR 1910.7.
  - 2. NVLAP: A testing agency accredited according to NIST's National Voluntary Laboratory Accreditation Program.
  
- E. Manufacturer's Technical Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

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- F. Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

1.9 QUALITY CONTROL

- A. Owner Responsibilities: Where quality-control services are indicated as Owner's responsibility, Owner will engage a qualified testing agency to perform these services.
  - 1. Owner will furnish Contractor with names, addresses, and telephone numbers of testing agencies engaged and a description of types of testing and inspecting they are engaged to perform.
  - 2. Costs for retesting and reinspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents will be charged to Contractor, and the Contract Sum will be adjusted by Change Order.
- B. Contractor Responsibilities: Tests and inspections not explicitly assigned to Owner are Contractor's responsibility. Perform additional quality-control activities required to verify that the Work complies with requirements, whether specified or not.
  - 1. Unless otherwise indicated, provide quality-control services specified and those required by authorities having jurisdiction. Perform quality-control services required of Contractor by authorities having jurisdiction, whether specified or not.
  - 2. Where services are indicated as Contractor's responsibility, engage a qualified testing agency to perform these quality-control services.
    - a. Contractor shall not employ same entity engaged by Owner, unless agreed to in writing by Owner.
  - 3. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
  - 4. Where quality-control services are indicated as Contractor's responsibility, submit a certified written report, in duplicate, of each quality-control service.
  - 5. Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility.
  - 6. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.
- C. Manufacturer's Field Services: Where indicated, engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Report results in writing as specified in Section 013300 "Submittal Procedures."
- D. Manufacturer's Technical Services: Where indicated, engage a manufacturer's technical representative to observe and inspect the Work. Manufacturer's technical representative's services include participation in preinstallation conferences, examination of substrates and conditions, verification of materials, observation of Installer activities, inspection of completed portions of the Work, and submittal of written reports.
- E. Retesting/Reinspecting: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality-control services, including retesting and reinspecting, for construction that replaced Work that failed to comply with the Contract Documents.
- F. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:

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1. Access to the Work.
  2. Incidental labor and facilities necessary to facilitate tests and inspections.
  3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
  4. Facilities for storage and field curing of test samples.
  5. Delivery of samples to testing agencies.
  6. Security and protection for samples and for testing and inspecting equipment at Project site.
- G. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and -control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.
1. Schedule times for tests, inspections, obtaining samples, and similar activities.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 TEST AND INSPECTION LOG

- A. Test and Inspection Log: Prepare a record of tests and inspections. Include the following:
1. Date test or inspection was conducted.
  2. Description of the Work tested or inspected.
  3. Date test or inspection results were transmitted to Architect.
  4. Identification of testing agency or special inspector conducting test or inspection.
- B. Maintain log at Project site. Post changes and revisions as they occur. Provide access to test and inspection log for Architect's reference during normal working hours.

3.2 REPAIR AND PROTECTION

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
1. Provide materials and comply with installation requirements specified in other Specification Sections or matching existing substrates and finishes. Restore patched areas and extend restoration into adjoining areas with durable seams that are as invisible as possible. Comply with the Contract Document requirements for cutting and patching in Section 017300 "Execution."
- B. Protect construction exposed by or for quality-control service activities.
- C. Repair and protection are Contractor's responsibility, regardless of the assignment of responsibility for quality-control services.

END OF SECTION 014000

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## SECTION 014200 - REFERENCES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 DEFINITIONS

- A. General: Basic Contract definitions are included in the Conditions of the Contract.
- B. "Approved": When used to convey Architect's action on Contractor's submittals, applications, and requests, "approved" is limited to Architect's duties and responsibilities as stated in the Conditions of the Contract.
- C. "Directed": A command or instruction by Architect. Other terms including "requested," "authorized," "selected," "required," and "permitted" have the same meaning as "directed."
- D. "Indicated": Requirements expressed by graphic representations or in written form on Drawings, in Specifications, and in other Contract Documents. Other terms including "shown," "noted," "scheduled," and "specified" have the same meaning as "indicated."
- E. "Regulations": Laws, ordinances, statutes, and lawful orders issued by authorities having jurisdiction, and rules, conventions, and agreements within the construction industry that control performance of the Work.
- F. "Furnish": Supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and similar operations.
- G. "Install": Unload, temporarily store, unpack, assemble, erect, place, anchor, apply, work to dimension, finish, cure, protect, clean, and similar operations at Project site.
- H. "Provide": Furnish and install, complete and ready for the intended use.
- I. "Project Site": Space available for performing construction activities. The extent of Project site is shown on Drawings and may or may not be identical with the description of the land on which Project is to be built.

#### 1.3 INDUSTRY STANDARDS

- A. Applicability of Standards: Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.
- B. Publication Dates: Comply with standards in effect as of date of the Contract Documents unless otherwise indicated.
- C. Copies of Standards: Each entity engaged in construction on Project should be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents.

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1. Where copies of standards are needed to perform a required construction activity, obtain copies directly from publication source.

1.4 ABBREVIATIONS AND ACRONYMS

- A. Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities indicated in Gale's "Encyclopedia of Associations: National Organizations of the U.S." or in Columbia Books' "National Trade & Professional Associations of the United States."

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 014200

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SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.

1.3 USE CHARGES

- A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated. Allow other entities to use temporary services and facilities without cost, including, but not limited to, Architect, testing agencies, and authorities having jurisdiction.
- B. Water Service from Existing System: Water from Owner's existing water system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.
- C. Electric Power Service from Existing System: Electric power from Owner's existing system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

1.4 INFORMATIONAL SUBMITTALS

- A. Site Plan: Show temporary facilities, utility hookups, staging areas, and parking areas for construction personnel.
- B. Fire-Safety Program: Show compliance with requirements of NFPA 241 and authorities having jurisdiction. Indicate Contractor personnel responsible for management of fire-prevention program.
- C. Moisture-Protection Plan: Describe procedures and controls for protecting materials and construction from water absorption and damage.
  - 1. Describe delivery, handling, and storage provisions for materials subject to water absorption or water damage.
  - 2. Indicate procedures for discarding water-damaged materials, protocols for mitigating water intrusion into completed Work, and replacing water-damaged Work.
  - 3. Indicate sequencing of work that requires water and describe plans for dealing with water from these operations. Show procedures for verifying that wet construction has dried sufficiently to permit installation of finish materials.

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1.5 QUALITY ASSURANCE

- A. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.
- B. Accessible Temporary Egress: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1.

1.6 PROJECT CONDITIONS

- A. Temporary Use of Permanent Facilities: Engage Installer of each permanent service to assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

PART 2 - PRODUCTS

2.1 TEMPORARY FACILITIES

- A. Location will be coordinated with the Owner. Store combustible materials apart from the site.
- B. Dumpster location will be coordinated with the Owner. Damage to sidewalks and landscaping shall be replaced by the responsible contractor.
- C. Contractor is responsible to provide temporary weather enclosures, temporary heat and ventilation to facilitate construction activities to meet the established contract completion date. Select materials and equipment to allow for complete installation and protecting construction from adverse effects of weather and temperature conditions. Design and construction is the sole responsibility of the contractor.

2.2 EQUIPMENT

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.



### 3.2 TEMPORARY UTILITY INSTALLATION

- A. Water Service: Connect to Owner's existing water service facilities. Clean and maintain water service facilities in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use.
- B. Sanitary Facilities: Provide temporary toilets and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
- C. Telephone Service: Provide cellular telephone for construction personnel.
  - 1. Provide superintendent with cellular telephone or portable two-way radio for use when away from field office.

### 3.3 SUPPORT FACILITIES INSTALLATION

- A. General: Comply with the following:
  - 1. Provide construction for temporary offices, shops, and sheds located within construction area or within 30 feet of building lines that is noncombustible according to ASTM E 136. Comply with NFPA 241.
  - 2. Maintain support facilities until Architect schedules Substantial Completion inspection. Remove before Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to Owner.
- B. Traffic Controls: Comply with requirements of authorities having jurisdiction.
  - 1. Protect existing site improvements to remain including curbs, pavement, and utilities.
  - 2. Maintain access for fire-fighting equipment and access to fire hydrants.
- C. Project Signs: Provide Project signs as indicated. Unauthorized signs are not permitted.
  - 1. Temporary Signs: Provide other signs as indicated and as required to inform public and individuals seeking entrance to Project.
    - a. Provide temporary, directional signs for construction personnel and visitors.
  - 2. Maintain and touchup signs so they are legible at all times.
- D. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with progress cleaning requirements in Section 017300 "Execution."
- E. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
  - 1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.

### 3.4 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.

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- B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- C. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
- D. Temporary Egress: Maintain temporary egress from existing occupied facilities as indicated and as required by authorities having jurisdiction.
- E. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities.
- F. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241; manage fire-prevention program.
  - 1. Prohibit smoking in construction areas.
  - 2. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.

### 3.5 MOISTURE AND MOLD CONTROL

- A. Contractor's Moisture-Protection Plan: Avoid trapping water in finished work. Document visible signs of mold that may appear during construction.
- B. Exposed Construction Phase: Before installation of weather barriers, when materials are subject to wetting and exposure and to airborne mold spores, protect as follows:
  - 1. Protect porous materials from water damage.
  - 2. Protect stored and installed material from flowing or standing water.
  - 3. Keep porous and organic materials from coming into prolonged contact with concrete.
  - 4. Remove standing water from decks.
  - 5. Keep deck openings covered or dammed.

### 3.6 OPERATION, TERMINATION, AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.
- B. Maintenance: Maintain facilities in good operating condition until removal.
  - 1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.
- C. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.

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1. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period.  
Comply with final cleaning requirements specified in Section 017700 "Closeout Procedures."

END OF SECTION 015000

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## SECTION 016000 - PRODUCT REQUIREMENTS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for selection of products for use in Project; product delivery, storage, and handling; manufacturers' standard warranties on products; special warranties; and comparable products.
- B. Related Requirements:
  - 1. Section 012300 "Alternates" for products selected under an alternate.
  - 2. Section 012500 "Substitution Procedures" for requests for substitutions.
  - 3. Section 014200 "References" for applicable industry standards for products specified.

#### 1.3 DEFINITIONS

- A. Products: Items obtained for incorporating into the Work, whether purchased for Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.
  - 1. Named Products: Items identified by manufacturer's product name, including make or model number or other designation shown or listed in manufacturer's published product literature, that is current as of date of the Contract Documents.
  - 2. New Products: Items that have not previously been incorporated into another project or facility. Products salvaged or recycled from other projects are not considered new products.
  - 3. Comparable Product: Product that is demonstrated and approved through submittal process to have the indicated qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics that equal or exceed those of specified product.
- B. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by the Contractor.
- C. Basis-of-Design Product Specification: A specification in which a specific manufacturer's product is named and accompanied by the words "basis-of-design product," including make or model number or other designation, to establish the significant qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics for purposes of evaluating comparable products of additional manufacturers named in the specification.
- D. Comparable Products: Where, in these specifications, certain kinds, types, brands, or manufacturers of materials are names, they shall be regarded as the required standard of quality. Where two or more are names, these are presumed to be equal, and the contractor may select one of those items. If the contractor desires to use any kind, type, brand or manufacturer other than those names in the specifications, he shall indicate in writing, and prior to awarded of contract what kind, type, brand or manufacturer is being proposed for the specified items, and submit

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information describing in specific detail, wherein it differs from the quality and performance required by the base specifications, and such other information as may be required by the architect. The bidding of equivalents is at the bidder's risk.

- E. Substitution Requests: Submit PDF via Procore of each request for consideration. Identify product, fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
1. Requests for changes in products, materials, equipment, and methods of construction required by Contract Documents proposed by Contractor. The following are not considered substitutions:
    - a. Proposed substitutions requested by Bidders prior to the award of contract and approved by the Architect.
    - b. Revisions to the Contract Documents requested by the Owner or Architect.
    - c. Specified options of products and construction methods included in the Contract Documents.
    - d. The Contractor's determination of and compliance with governing regulations and orders issued by governing authorities.
  2. Documentation: Substitutions will be considered under the following procedures. Products may be considered or rejected at the discretions of the Architect. Show compliance with requirements for substitutions and the following, as applicable:
    - a. Statement including why specified material or product cannot be provided.
    - b. Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by Owner and separate contractors that will be necessary to accommodate proposed substitution.
    - c. Detailed comparison of significant qualities of proposed substitution with those of the Work specified. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, and specified features and requirements indicated.
    - d. Product data, including drawings and descriptions of products and fabrication and installation procedures.
    - e. Samples, where applicable or requested.
    - f. List of similar installations for completed projects with project names and addresses, and names and addresses of architects and owners.
    - g. Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
    - h. Research/evaluation reports evidencing compliance with building code in effect for Project, from a model code organization acceptable to authorities having jurisdiction.
    - i. Detailed comparison of Contractor's Construction Schedule using proposed substitution with products specified for the work, including the effect on the overall Contract Time. If specified product or method of construction cannot be provided within the Contract Time, include letter from manufacturer, on manufacturer's letterhead, stating lack of availability or delays in delivery.
    - j. Cost information, including a proposal of change, if any, in the contract sum.
    - k. Contractor's certification that proposed substitution complies with requirements in the Contract Documents and is appropriate for applications indicated.
    - l. Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of failure or proposed substitutions to produce indicated results.
  3. Architects Action: Submit a PDF via Procore of each request for substitution. If necessary, Architect will request additional information or documentation for evaluation within five (5) days of receipt of a request for substitution. Architect will notify Contractor of acceptance or rejection of proposed substitution within five (5) days for receipt of request.
    - a. Form of Acceptance: Change Order.

- F. Comparable Product Requests: Submit three (3) copies of each request for consideration. Identify product or fabrication or installation method to be replaced. Include specification number and title and Drawing numbers and titles.
  - 1. Architect's Action: If necessary, Architect will request additional information or documentation for evaluation within one week of receipt of a comparable product request. Architect will notify Contractor of approval or rejection of proposed comparable product request within five (5) days of request.
    - a. Form of Approval: As specified in Division 01 Section "Submittal Procedures".
- G. Basis-of-Design Product Specification Submittal: Comply with requirements in Division 01 Section "Submittal Procedures". Show compliance with requirements.

#### 1.4 QUALITY ASSURANCE

- A. Compatibility of Options: If Contractor is given option of selecting between two or more products for use on Project, select product compatible with products previously selected, even if previously selected products were also options.
  - 1. Each contractor is responsible for providing products and construction methods compatible with products and construction methods of other contractors.
  - 2. If a dispute arises between contractors over concurrently selectable but incompatible products, Architect will determine which products shall be used.

#### 1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft and vandalism. Comply with manufacturer's written instructions.
- B. Delivery and Handling:
  - 1. Schedule delivery to minimize long-term storage at Project site and to prevent overcrowding of construction spaces.
  - 2. Coordinate delivery with installation time to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other losses.
  - 3. Deliver products to Project site in an undamaged condition in manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting, and installing.
  - 4. Inspect products on delivery to determine compliance with the Contract Documents and to determine that products are undamaged and properly protected.
- C. Storage:
  - 1. Store products to allow for inspection and measurement of quantity or counting of units.
  - 2. Store materials in a manner that will not endanger Project structure.
  - 3. Store products that are subject to damage by the elements, under cover in a weathertight enclosure above ground, with ventilation adequate to prevent condensation.
  - 4. Protect foam plastic from exposure to sunlight, except to extent necessary for period of installation and concealment.
  - 5. Comply with product manufacturer's written instructions for temperature, humidity, ventilation, and weather-protection requirements for storage.
  - 6. Protect stored products from damage and liquids from freezing.

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1.6 PRODUCT WARRANTIES

- A. Warranties specified in other Sections shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents.
  - 1. Manufacturer's Warranty: Written warranty furnished by individual manufacturer for a particular product and specifically endorsed by manufacturer to Owner.
  - 2. Special Warranty: Written warranty required by the Contract Documents to provide specific rights for Owner. Owner requires a two-year workmanship warranty.
- B. Special Warranties: Prepare a written document that contains appropriate terms and identification, ready for execution.
  - 1. Manufacturer's Standard Form: Modified to include Project-specific information and properly executed.
  - 2. Specified Form: When specified forms are included with the Specifications, prepare a written document using indicated form properly executed.
  - 3. See other Sections for specific content requirements and particular requirements for submitting special warranties.
- C. Submittal Time: Comply with requirements in Section 017700 "Closeout Procedures."

PART 2 - PRODUCTS

2.1 PRODUCT SELECTION PROCEDURES

- A. General Product Requirements: Provide products that comply with the Contract Documents, are undamaged and, unless otherwise indicated, are new at time of installation.
  - 1. Provide products complete with accessories, trim, finish, fasteners, and other items needed for a complete installation and indicated use and effect.
  - 2. Standard Products: If available, and unless custom products or nonstandard options are specified, provide standard products of types that have been produced and used successfully in similar situations on other projects.
  - 3. Owner reserves the right to limit selection to products with warranties not in conflict with requirements of the Contract Documents.
  - 4. Where products are accompanied by the term "as selected," Architect will make selection.
  - 5. Descriptive, performance, and reference standard requirements in the Specifications establish salient characteristics of products.
  - 6. Comparable: Where products are specified by name and accompanied by the term "or comparable" or "or approved equal" or "or approved," comply with provisions in Part 2 "Comparable Products" article to obtain approval for use of an unnamed product.
- B. Product Selection Procedures:
  - 1. Product: Where Specifications name a single manufacturer and product, provide the named product that complies with requirements.
  - 2. Manufacturer/Source: Where Specifications name a single manufacturer or source, provide a product by the named manufacturer or source that complies with requirements.
  - 3. Products:



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- a. Restricted List: Where Specifications include a list of names of both manufacturers and products, provide one of the products listed that complies with requirements.
4. Manufacturers:
    - a. Restricted List: Where Specifications include a list of manufacturers' names, provide a product by one of the manufacturers listed that complies with requirements.
  5. Basis-of-Design Product: Where Specifications name a product, or refer to a product indicated on Drawings, and include a list of manufacturers, provide the specified or indicated product or a comparable product by one of the other named manufacturers. Drawings and Specifications indicate sizes, profiles, dimensions, and other characteristics that are based on the product named. Comply with requirements in "Comparable Products" Article for consideration of an unnamed product by one of the other named manufacturers.
- C. Visual Matching Specification: Where Specifications require "match Architect's sample", provide a product that complies with requirements and matches Architect's sample. Architect's decision will be final on whether a proposed product matches.
1. If no product available within specified category matches and complies with other specified requirements, comply with requirements in Section 012500 "Substitution Procedures" for proposal of product.
- D. Visual Selection Specification: Where Specifications include the phrase "as selected by Architect from manufacturer's full range" or similar phrase, select a product that complies with requirements. Architect will select color, gloss, pattern, density, or texture from manufacturer's product line that includes both standard and premium items.
- 2.2 COMPARABLE PRODUCTS
- A. Conditions for Consideration: Architect will consider Contractor's request for comparable product when the following conditions are satisfied. If the following conditions are not satisfied, Architect may return requests without action, except to record noncompliance with these requirements:
1. Evidence that the proposed product does not require revisions to the Contract Documents, that it is consistent with the Contract Documents and will produce the indicated results, and that it is compatible with other portions of the Work.
  2. Detailed comparison of significant qualities of proposed product with those named in the Specifications. Significant qualities include attributes such as performance, weight, size, durability, visual effect, and specific features and requirements indicated.
  3. Evidence that proposed product provides specified warranty.
  4. List of similar installations for completed projects with project names and addresses and names and addresses of architects and owners, if requested.
  5. Samples, if requested.

PART 3 - EXECUTION (Not Used)

END OF SECTION 016000

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## SECTION 017300 - EXECUTION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes general administrative and procedural requirements governing execution of the Work including, but not limited to, the following:
  - 1. Installation of the Work.
  - 2. Cutting and patching.
  - 3. Progress cleaning.
  - 4. Starting and adjusting.
  - 5. Protection of installed construction.

#### 1.3 INFORMATIONAL SUBMITTALS

- A. Cutting and Patching Plan: Submit plan describing procedures at least 10 days prior to the time cutting and patching will be performed. Include the following information:
  - 1. Extent: Describe reason for and extent of each occurrence of cutting and patching.
  - 2. Changes to In-Place Construction: Describe anticipated results. Include changes to structural elements and operating components as well as changes in fountain appearance and other significant visual elements.
  - 3. Products: List products to be used for patching and firms or entities that will perform patching work.
  - 4. Dates: Indicate when cutting and patching will be performed.

#### 1.4 QUALITY ASSURANCE

- A. Cutting and Patching: Comply with requirements for and limitations on cutting and patching of construction elements.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. General: Comply with requirements specified in other Sections.
- B. In-Place Materials: Use materials for patching identical to in-place materials. For exposed surfaces, use materials that visually match in-place adjacent surfaces to the fullest extent possible.

1. If identical materials are unavailable or cannot be used, use materials that, when installed, will provide a match acceptable to Architect for the visual and functional performance of in-place materials.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Written Report: Where a written report listing conditions detrimental to performance of the Work is required by other Sections, include the following:
  1. Description of the Work.
  2. List of detrimental conditions, including substrates.
  3. List of unacceptable installation tolerances.
  4. Recommended corrections.
- B. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

#### 3.2 PREPARATION

- A. Field Measurements: Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
- B. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents caused by differing field conditions outside the control of Contractor, submit a request for information to Architect according to requirements in Section 013100 "Project Management and Coordination."

#### 3.3 INSTALLATION

- A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
  1. Make vertical work plumb and make horizontal work level.
  2. Where space is limited, install components to maximize space available for maintenance and ease of removal for replacement.
  3. Conceal pipes, ducts, and wiring in finished areas unless otherwise indicated.
  4. Maintain minimum headroom clearance of 96 inches in occupied spaces and 90 inches in unoccupied spaces.
- B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.
- C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.
- D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.

- E. Sequence the Work and allow adequate clearances to accommodate movement of construction items on site and placement in permanent locations.
- F. Tools and Equipment: Do not use tools or equipment that produce harmful noise levels.
- G. Templates: Obtain and distribute to the parties involved templates for work specified to be factory prepared and field installed. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing products to comply with indicated requirements.
- H. Attachment: Provide blocking and attachment plates and anchors and fasteners of adequate size and number to securely anchor each component in place, accurately located and aligned with other portions of the Work. Where size and type of attachments are not indicated, verify size and type required for load conditions.
  - 1. Allow for structure movement, including thermal expansion and contraction.
- I. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.

#### 3.4 CUTTING AND PATCHING

- A. Cutting and Patching, General: Employ skilled workers to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time, and complete without delay.
  - 1. Cut in-place construction to provide for installation of other components or performance of other construction, and subsequently patch as required to restore surfaces to their original condition.
- B. Temporary Support: Provide temporary support of work to be cut.
- C. Protection: Protect in-place construction during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of Project that might be exposed during cutting and patching operations.
- D. Cutting: Cut in-place construction by sawing, drilling, breaking, chipping, grinding, and similar operations using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.
  - 1. In general, use hand or small power tools designed for sawing and grinding, not hammering and chopping. Cut holes and slots neatly to minimum size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
  - 2. Masonry: Cut using a cutting machine, such as an abrasive saw or a diamond-core drill.
  - 3. Proceed with patching after construction operations requiring cutting are complete.
- E. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other work. Provide materials and comply with installation requirements specified in other Sections, where applicable.
  - 1. Inspection: Where feasible, test and inspect patched areas after completion to demonstrate physical integrity of installation.
  - 2. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will minimize evidence of patching and refinishing.

### 3.5 PROGRESS CLEANING

- A. General: Clean Project site and work areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.
  - 1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
  - 2. Do not hold waste materials more than seven days during normal weather or three days if the temperature is expected to rise above 80 deg F.
  - 3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.
    - a. Use containers intended for holding waste materials of type to be stored.
  - 4. Coordinate progress cleaning for joint-use areas where Contractor and other contractors are working concurrently.
- B. Site: Maintain Project site free of waste materials and debris.
- C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
  - 1. Remove liquid spills promptly.
  - 2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.
- D. Waste Disposal: Do not bury or burn waste materials on-site. Do not wash waste materials down sewers or into waterways. Comply with waste disposal requirements in Section 015000 "Temporary Facilities and Controls."
- E. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.
- F. Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to ensure operability without damaging effects.
- G. Limiting Exposures: Supervise construction operations to assure that no part of the construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

### 3.6 STARTING AND ADJUSTING

- A. Start equipment and operating components to confirm proper operation. Remove malfunctioning units, replace with new units, and retest.
- B. Adjust equipment for proper operation. Adjust operating components for proper operation without binding.
- C. Test each piece of equipment to verify proper operation. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.
- D. Manufacturer's Field Service: Comply with qualification requirements in Section 014000 "Quality Requirements."

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3.7 PROTECTION OF INSTALLED CONSTRUCTION

- A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.
- B. Comply with manufacturer's written instructions for temperature and relative humidity.

END OF SECTION 017300

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SECTION 017700 - CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
  - 1. Substantial Completion procedures.
  - 2. Final completion procedures.
  - 3. Warranties.
  - 4. Final cleaning.
  - 5. Repair of the Work.
- B. Related Requirements:
  - 1. Section 017823 "Operation and Maintenance Data" for additional operation and maintenance manual requirements.
  - 2. Section 017839 "Project Record Documents" for submitting Record Drawings, Record Specifications, and Record Product Data.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of cleaning agent.
- B. Contractor's List of Incomplete Items: Initial submittal at Substantial Completion.
- C. Certified List of Incomplete Items: Final submittal at final completion.

1.4 CLOSEOUT SUBMITTALS

- A. Certificates of Release: From authorities having jurisdiction.
- B. Certificate of Insurance: For continuing coverage.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Schedule of Maintenance Material Items: For maintenance material submittal items specified in other Sections.

#### 1.6 SUBSTANTIAL COMPLETION PROCEDURES

- A. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (**Contractor's punch list**), indicating the value of each item on the list and reasons why the Work is incomplete.
- B. Submittals Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
1. Certificates of Release: Obtain and submit releases from authorities having jurisdiction permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
  2. Submit project record documents, operation and maintenance manuals, damage or settlement surveys, property surveys, and similar final record information.
  3. Submit specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
  4. Submit testing, adjusting, and balancing records.
  5. Submit changeover information related to Owner's occupancy, use, operation, and maintenance.
- C. Procedures Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
1. Advise Owner of pending insurance changeover requirements.
  2. Make final changeover of permanent locks and deliver keys to Owner. Advise Owner's personnel of changeover in security provisions.
  3. Complete startup and testing of systems and equipment.
  4. Perform preventive maintenance on equipment used prior to Substantial Completion.
  5. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems.
  6. Complete final cleaning requirements.
  7. Touch up paint and otherwise repair and restore marred exposed finishes to eliminate visual defects.
- D. Inspection: Submit a written request for inspection to Architect to determine Substantial Completion a minimum of 10 days prior to date the Work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Architect, that must be completed or corrected before certificate will be issued.
1. Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
  2. Results of completed inspection will form the basis of requirements for final completion.

#### 1.7 FINAL COMPLETION PROCEDURES

- A. Submittals Prior to Final Completion: Before requesting final inspection for determining final completion, complete the following:
1. Submit a final Application for Payment according to Owner's contractual requirements.
  2. Certified List of Incomplete Items: Submit certified copy of Architect's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Architect. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
  3. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.

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- B. Inspection: Submit a written request to Architect for final inspection to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
  - 1. Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

1.8 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.
  - 1. Organize list of spaces in sequential order from west to east.
  - 2. Organize items applying to each space by major element.
  - 3. Include the following information at the top of each page:
    - a. Project name.
    - b. Date.
    - c. Name of Architect.
    - d. Name of Contractor.
    - e. Page number.
  - 4. Submit list of incomplete items in the following format:
    - a. In PDF format uploaded to Procore.

1.9 SUBMITTAL OF PROJECT WARRANTIES

- A. Time of Submittal: Submit written warranties on request of Architect for designated portions of the Work where warranties are indicated to commence on dates other than date of Substantial Completion, or when delay in submittal of warranties might limit Owner's rights under warranty.
- B. Partial Occupancy: Submit properly executed warranties within 15 days of completion of designated portions of the Work that are completed and occupied or used by Owner during construction period by separate agreement with Contractor.
- C. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

### PART 3 - EXECUTION

#### 3.1 FINAL CLEANING

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building/ site cleaning and maintenance program. Comply with manufacturer's written instructions.
  - 1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:
    - a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
    - b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
    - c. Rake grounds that are not planted, mulched, or paved to a smooth, even-textured surface.
    - d. Remove tools, construction equipment, machinery, and surplus material from Project site.
    - e. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
    - f. Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.
    - g. Sweep concrete floors broom clean in unoccupied spaces.
    - h. Remove labels that are not permanent.
    - i. Wipe surfaces of mechanical and electrical equipment, elevator equipment, and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
    - j. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency.
    - k. Leave Project clean and ready for occupancy.
- C. Construction Waste Disposal: Comply with waste disposal requirements in Section 015000 "Temporary Facilities and Controls."

#### 3.2 REPAIR OF THE WORK

- A. Complete repair and restoration operations before requesting inspection for determination of Substantial Completion.
- B. Repair, or remove and replace, defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.
  - 1. Remove and replace chipped, scratched, and broken glass, reflective surfaces, and other damaged transparent materials.
  - 2. Touch up and otherwise repair and restore marred or exposed finishes and surfaces. Replace finishes and surfaces that already show evidence of repair or restoration.
    - a. Do not paint over "UL" and other required labels and identification, including mechanical and electrical nameplates. Remove paint applied to required labels and identification.

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3. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.
4. Restore/replace lawn areas, paving, sidewalks, plantings, and site amenities damaged as a direct result of construction activities.

END OF SECTION 017700

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SECTION 017823 - OPERATION AND MAINTENANCE DATA

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for preparing operation and maintenance manuals, including the following:
  - 1. Product maintenance manuals.
- B. Related Requirements:
  - 1. Section 013300 "Submittal Procedures" for submitting copies of submittals for operation and maintenance manuals.

1.3 DEFINITIONS

- A. System: An organized collection of parts, equipment, or subsystems united by regular interaction.
- B. Subsystem: A portion of a system with characteristics similar to a system.

PART 2 - PRODUCTS

2.1 PRODUCT MAINTENANCE MANUALS

- A. Content: Organize manual into a separate section for each product, material, and finish. Include source information, product information, maintenance procedures, repair materials and sources, and warranties and bonds, as described below.
- B. Source Information: List each product included in manual, identified by product name and arranged to match manual's table of contents. For each product, list name, address, and telephone number of Installer or supplier and maintenance service agent, and cross-reference Specification Section number and title in Project Manual and drawing or schedule designation or identifier where applicable.
- C. Product Information: Include the following, as applicable:
  - 1. Product name and model number.
  - 2. Manufacturer's name.

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- D. Maintenance Procedures: Include manufacturer's written recommendations and the following:
  - 1. Inspection procedures.
  - 2. Repair instructions.
- E. Repair Materials and Sources: Include lists of materials and local sources of materials and related services.
- F. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds.
  - 1. Include procedures to follow and required notifications for warranty claims.

PART 3 - EXECUTION

3.1 MANUAL PREPARATION

- A. Product Maintenance Manual: Assemble a complete set of maintenance data indicating care and maintenance of each product, material, and finish incorporated into the Work.
- B. Manufacturers' Data: Where manuals contain manufacturers' standard printed data, include only sheets pertinent to product or component installed. Mark each sheet to identify each product or component incorporated into the Work. If data include more than one item in a tabular format, identify each item using appropriate references from the Contract Documents. Identify data applicable to the Work and delete references to information not applicable.
  - 1. Prepare supplementary text if manufacturers' standard printed data are not available and where the information is necessary for proper operation and maintenance of equipment or systems.

END OF SECTION 017823

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## SECTION 017839 - PROJECT RECORD DOCUMENTS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for project record documents, including the following:
  - 1. Record Drawings.
- B. Related Requirements:
  - 1. Section 017700 "Closeout Procedures" for general closeout procedures.

#### 1.3 CLOSEOUT SUBMITTALS

- A. Record Drawings: Comply with the following:
  - 1. Number of Copies: Submit one set of marked-up record prints.
- B. Record Product Data: Submit a PDF of each submittal into Procore.
  - 1. Where record Product Data are required as part of operation and maintenance manuals, submit duplicate marked-up Product Data as a component of manual.

### PART 2 - PRODUCTS

#### 2.1 RECORD DRAWINGS

- A. Record Prints: Maintain one set of marked-up paper copies of the Contract Drawings and Shop Drawings, incorporating new and revised drawings as modifications are issued.
  - 1. Preparation: Mark record prints to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to provide information for preparation of corresponding marked-up record prints.
    - a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
    - b. Accurately record information in an acceptable drawing technique.
    - c. Record data as soon as possible after obtaining it.

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- d. Record and check the markup before enclosing concealed installations.
  - e. Cross-reference record prints to corresponding archive photographic documentation.
2. Content: Types of items requiring marking include, but are not limited to, the following:
    - a. Changes made by Change Order or Construction Change Directive.
    - b. Changes made following Architect's written orders.
    - c. Details not on the original Contract Drawings.
    - d. Field records for variable and concealed conditions.
    - e. Record information on the Work that is shown only schematically.
  3. Mark the Contract Drawings completely and accurately. Use personnel proficient at recording graphic information in production of marked-up record prints.
  4. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
  5. Mark important additional information that was either shown schematically or omitted from original Drawings.
  6. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.
- B. Format: Identify and date each record Drawing; include the designation "PROJECT RECORD DRAWING" in a prominent location.
1. Record Prints: Organize record prints and newly prepared record Drawings into manageable sets in PDF format. Include identification on cover sheets and upload into Procore.
  2. Identification: As follows:
    - a. Project name.
    - b. Date.
    - c. Designation "PROJECT RECORD DRAWINGS."
    - d. Name of Architect.
    - e. Name of Contractor.

### PART 3 - EXECUTION

#### 3.1 RECORDING AND MAINTENANCE

- A. Recording: Maintain one copy of each submittal during the construction period for project record document purposes. Post changes and revisions to project record documents as they occur; do not wait until end of Project.
- B. Maintenance of Record Documents and Samples: Store record documents and Samples in the field office apart from the Contract Documents used for construction. Do not use project record documents for construction purposes. Maintain record documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to project record documents for Architect's reference during normal working hours.

END OF SECTION 017839

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## SECTION 024119 - SELECTIVE DEMOLITION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:

- 1. Demolition and removal of selected portions of building or structure.
  - 2. Salvage of existing items to be reused.

- B. Related Requirements:

- 1. Section 011000 "Summary" for restrictions on use of the premises, Owner-occupancy requirements, and phasing requirements.
  - 2. Section 013516 "Alteration Project Procedures" for general protection and work procedures for alteration projects.

#### 1.3 DEFINITIONS

- A. Remove: Detach items from existing construction and dispose of them off-site unless indicated to be salvaged or reinstalled.
- B. Remove and Salvage: Detach items from existing construction, in a manner to prevent damage, and store.
- C. Remove and Reinstall: Detach items from existing construction, in a manner to prevent damage, prepare for reuse, and reinstall where indicated.
- D. Existing to Remain: Leave existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.
- E. Dismantle: To remove by disassembling or detaching an item from a surface, using gentle methods and equipment to prevent damage to the item and surfaces; disposing of items unless indicated to be salvaged or reinstalled.

#### 1.4 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.

#### 1.5 PREINSTALLATION MEETINGS

- A. Pre-demolition Conference: Conduct conference at Project site.

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1. Inspect and discuss condition of construction to be selectively demolished.
2. Review structural load limitations of existing structure.
3. Review and finalize selective demolition schedule and verify availability of materials, demolition personnel, equipment, and facilities needed to make progress and avoid delays.
4. Review requirements of work performed by other trades that rely on substrates exposed by selective demolition operations.
5. Review areas where existing construction is to remain and requires protection.

1.6 INFORMATIONAL SUBMITTALS

- A. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for dust control and, for noise control. Indicate proposed locations and construction of barriers.
- B. Schedule of Selective Demolition Activities: Indicate the following:
  1. Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity. Ensure Owner's building manager's and other tenants' on-site operations are uninterrupted.
  2. Interruption of utility services. Indicate how long utility services will be interrupted.
  3. Coordination for shutoff, capping, and continuation of utility services.
  4. Use of elevator and stairs.
  5. Coordination of Owner's continuing occupancy of portions of existing building and of Owner's partial occupancy of completed Work.
- C. Pre-demolition Photographs or Video: Show existing conditions of adjoining construction, including finish surfaces, that might be misconstrued as damage caused by demolition operations. Comply with Section 013233 "Photographic Documentation." Submit before Work begins.

1.7 CLOSEOUT SUBMITTALS

- A. Inventory: Submit a list of items that have been removed and salvaged.

1.8 FIELD CONDITIONS

- A. Conduct selective demolition so Owner's operations will not be disrupted.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- D. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
  1. Maintain fire-protection facilities in service during selective demolition operations.

1.9 COORDINATION

- A. Arrange selective demolition schedule so as not to interfere with Owner's operations.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ASSE A10.6 and NFPA 241.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Review Project Record Documents of existing construction or other existing condition information provided by Owner. Owner does not guarantee that existing conditions are same as those indicated in Project Record Documents.
- B. Engage a professional engineer to perform an engineering survey of condition of building to determine whether removing any element might result in structural deficiency of unplanned collapse of any portion of structure or adjacent structures during selective building demolition operations.
  - 1. Perform surveys as the Work progresses to detect hazards resulting from selective demolition activities.
- C. Survey of Existing Conditions: Record existing conditions by use of preconstruction photographs or video.
  - 1. Comply with requirements specified in Section 013233 "Photographic Documentation."
  - 2. Inventory and record the condition of items to be removed and salvaged. Provide photographs or video of conditions that might be misconstrued as damage caused by salvage operations.

### 3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.
- B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be selectively demolished.
  - 1. Owner will arrange to shut off indicated services/systems when requested by Contractor.
  - 2. If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of building.

### 3.3 PROTECTION

- A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
  - 1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of building.

2. Provide temporary weather protection, during interval between selective demolition of existing construction on exterior surfaces and new construction, to prevent water leakage and damage to structure and interior areas.
  3. Protect walls, ceilings, floors, and other existing finish work that are to remain or that are exposed during selective demolition operations.
  4. Cover and protect equipment that have not been removed.
  5. Comply with requirements for temporary enclosures, dust control, heating, and cooling specified in Section 015000 "Temporary Facilities and Controls."
- B. Temporary Shoring: Design, provide, and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
1. Strengthen or add new supports when required during progress of selective demolition.
- C. Remove temporary barricades and protections where hazards no longer exist.

### 3.4 SELECTIVE DEMOLITION, GENERAL

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
1. Proceed with selective demolition systematically. Complete selective demolition operations above each floor or tier before disturbing supporting members on the next lower level.
  2. Do not use cutting torches.  
Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation.
  3. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
  4. Dispose of demolished items and materials promptly.
- B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- C. Removed and Salvaged Items:
1. Clean salvaged items.
  2. Pack or crate items after cleaning. Identify contents of containers.
  3. Store items in a secure area.
  4. Transport items to Owner's storage area designated by Owner.
  5. Protect items from damage during transport and storage.
- D. Removed and Reinstalled Items:
1. Clean and repair items to functional condition adequate for intended reuse.
  2. Pack or crate items after cleaning and repairing. Identify contents of containers.
  3. Protect items from damage during transport and storage.
  4. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.
- E. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during

selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.

### 3.5 SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS

- A. Refer to drawings.

### 3.6 DISPOSAL OF DEMOLISHED MATERIALS

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.
  - 1. Do not allow demolished materials to accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
  - 3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
- B. Burning: Do not burn demolished materials.

### 3.7 CLEANING

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 024119

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SECTION 037300 - CONCRETE REHABILITATION

PART 1 - PART 1 GENERAL

1.1 1.1 SUMMARY

- A. This specification describes the patching of interior and/or exterior vertical or overhead surfaces with a polymer-modified, portland cement mortar.
- B. Related Sections:
  - 1. Division 01 - Unit Prices.

1.2 QUALITY ASSURANCE

- A. Manufacturing qualifications: The manufacturer of the specified product shall be ISO 9001 certified and have in existence a recognized ongoing quality assurance program independently audited on a regular basis.
- B. Contractor qualifications: Contractor shall be qualified in the field of concrete repair and protection with a successful track record of 5 years or more. Contractor shall maintain qualified personnel who have received product training by a manufacturer's representative.
- C. Install materials in accordance with all safety and weather conditions required by manufacturer or as modified by applicable rules and regulations of local, state and federal authorities having jurisdiction. Consult Material Safety Data Sheets for complete handling recommendations.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. All materials must be delivered in original, unopened containers with the manufacturer's name, labels, product identification, and batch numbers. Damaged material must be removed from the site immediately.
- B. Store all materials off the ground and protect from rain, freezing or excessive heat until ready for use.
- C. Condition the specified product as recommended by the manufacturer.

1.4 JOB CONDITIONS

- A. Environmental Conditions: Do not apply material if it is raining or snowing or if such conditions appear to be imminent. Minimum application temperature 45°F (5°C) and rising.
- B. Protection: Precautions should be taken to avoid damage to any surface near the work zone due to mixing and handling of the specified material.

1.5 SUBMITTALS

- A. Submit two copies of manufacturer's literature, to include: Product Data Sheets, and appropriate Material Safety Data Sheets (MSDS).

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1.6 QUALITY ASSURANCE

- A. The contractor shall be trained in the product and system by the manufacturer.

1.7 WARRANTY

- A. Provide a written warranty from the manufacturer against defects of materials for a period of one (1) year, beginning with date of substantial completion of the project.

PART 2 - PART 2 PRODUCTS

2.1 MANUFACTURER

- A. SikaTop 123 Plus, as manufactured by Sika Corporation, is considered to conform to the requirements of this specification.
- B. Or approved equal (system and all related products).

2.2 MATERIALS

- A. Polymer-modified Portland cement mortar:

1. Component A shall be a liquid polymer emulsion of an acrylic copolymer base and additives.
  - a. pH: 4.5-6.5
  - b. Film Forming Temperature: 73° F max.
  - c. Tear Strength: 950-psi min.
  - d. Elongation at Break: 500% min.
  - e. Particle Size: less than 0.1 micron
2. Component A shall contain an organic, penetrating corrosion inhibitor which has been independently proven to reduce corrosion in concrete via ASTM G3 (half-cell potential tests). The corrosion inhibitor shall not be calcium nitrite, and shall have a minimum of 5 years of independent field testing to document performance on actual construction projects.
3. Component B shall be a blend of selected portland cements, specially graded aggregates, admixtures for controlling setting time, water reducers for workability, and an organic accelerator.
4. The materials shall be non-combustible, both before and after cure.
5. The materials shall be supplied in a factory-proportioned unit.
6. The polymer-modified, portland cement mortar must be placeable from 1/8" to 1-1/2" in depth per lift for vertical applications and 1/8" to 1" in depth for overhead applications.

2.3 PERFORMANCE CRITERIA

- A. Typical Properties of the mixed polymer-modified, portland cement mortar:
1. Working Time: Approximately 15 minutes

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2. Finishing Time: 20 - 60 minutes
3. Color: concrete gray

B. Typical Properties of the cured polymer-modified, portland cement mortar:

1. Compressive Strength (ASTM C-109 Modified)
  - a. 1 day: 3500 psi min. (24.1 MPa)
  - b. 7 day: 6000 psi min. (44.8 MPa)
  - c. 28 day: 7000 psi min. (48.3 MPa)
2. Flexural Strength (ASTM C-293) @ 28 days: 2000 psi (13.8 MPa)
3. Splitting Tensile Strength (ASTM C-496) @ 28 days: 900 psi (6.2 MPa)
4. Bond Strength (ASTM C-882 Modified) @ 28 days: 2200 psi (15.2 MPa)
5. The portland cement mortar shall not produce a vapor barrier.
6. Density (wet mix): 132 lbs. / cu. ft. (2.2 kg/l)
7. Permeability - AASHTO T-277 @ 28 days Approximately 500 Coulombs

Note: Tests above were performed with the material and curing conditions @ 71°F – 75°F and 45-55% relative humidity.

### PART 3 - PART 3 EXECUTION

#### 3.1 SURFACE PREPARATION

- A. Areas to be repaired must be clean, sound, and free of contaminants. All loose and deteriorated concrete shall be removed by mechanical means. Mechanically prepare concrete substrate to obtain a surface profile of +/- 1/16" (CSP 5 or greater as per ICRI Guidelines) with a new exposed aggregate surface. Area to be patched shall not be less than 1/8" in depth.
- B. Where reinforcing steel with active corrosion is encountered, sandblast the steel to a white metal finish to remove all contaminants and rust. Where corrosion has occurred due to the presence of chlorides, the steel shall be high pressure washed after mechanical cleaning. Prime steel with 2 coats of Sika Armatec 110 EpoCem as per the technical data sheet. (See Spec Component SC-201-0699)

#### 3.2 MIXING AND APPLICATION

- A. Mechanically mix in an appropriate sized mortar mixer or with a Sika mud paddle and low speed (400-600 rpm) drill. Pour approximately 4/5 gal Component A into the mixing container. Add Component B while continuing to mix. Mix to a uniform consistency for a maximum of three minutes. Add remaining Component A to mix for desired consistency. Should smaller quantities be needed, be sure the components are measured in the correct ratio and that the Component B is uniformly blended before mixing the components together. Mix only that amount of material that can be placed in 10 - 15 minutes. Do not retemper material.
- B. Placement Procedure: At the time of application, the substrate shall be saturated surface dry with no standing water. Mortar must be scrubbed into substrate filling all pores and voids. While the scrub coat is still plastic, force

material against edge of repair, working toward center. If repair area is too large to fill while scrub coat is still wet use Sika Armatec 110 EpoCem in lieu of scrub coat. (See spec component SC-200-0699) After filling, consolidate then screed. Allow mortar to set to desired stiffness then finish with trowel for smooth surface. Wood float or sponge float for a rough surface. Areas where the depth of the repair area to sound concrete is greater than 1-1/2", the repair shall be made in lifts of 1-1/2" maximum thickness. The top surface of each lift shall be scored to produce a rough surface for the next lift. The preceding lift shall be allowed to reach final set before applying fresh material. The fresh mortar must be scrubbed into the preceding lift.

- C. As per ACI recommendations for portland cement concrete, curing is required. Moist cure with wet burlap and polyethylene, a fine mist of water or a water-based\* compatible curing compound. Moist curing should commence immediately after finishing and continue for 48 hours. Protect newly applied material from rain, sun, and wind until compressive strength is 70% of the 28-day compressive strength. To prevent from freezing cover with insulating material. Setting time is dependent on temperature and humidity.

\*Pretesting of curing compound is recommended.

- D. Adhere to all procedures, limitations and cautions for the polymer-modified Portland cement mortar in the manufacturers current printed technical data sheet and literature.

### 3.3 CLEANING

- A. The uncured polymer-modified portland cement mortar can be cleaned from tools with water. The cured polymer modified portland cement mortar can only be removed mechanically.
- B. Leave finished work and work area in a neat, clean condition without evidence of spillovers onto adjacent areas.

END OF SECTION 037300

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## SECTION 040100 – MAINTENANCE OF MASONRY

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Repointing mortar joints.
- B. Repair of damaged masonry.
- C. Removal and Replacement of all cracked, spalled, and salt eroded masonry with new masonry.
- D. Crack filling of individual bricks.
- E. Installation of “retro” weep covers.
- F. Chemical Cleaning of masonry surfaces.

#### 1.2 RELATED REQUIREMENTS

- A. Division 7 Section for Joint Sealers.
- B. Division 7 Section for Water Repellent.

#### 1.3 REFERENCE STANDARDS

- A. ACI 530/530.1/ERTA -Building Code Requirements and Specification for Masonry Structures and Related Commentaries; American Concrete Institute International; 2011.
- B. ACI 530.1/ASCE 6/TMS 602 -Specification for Masonry Structures; American Concrete Institute International; 2008.
- C. IMIAWC (HW) -Recommended Practices & Guide Specifications for Hot Weather Masonry Construction; International Masonry Industry All-Weather Council; current edition.

#### 1.4 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene one week prior to commencing work of this section.
  - 1. Require attendance of parties directly affecting work of this section.
  - 2. Review conditions of installation, installation procedures, and coordination with related work.
- B. Illinois Historic Preservation Series: No. 10 -Masonry Repointing of Twentieth Century Buildings.
  - 1. IRCI -Technical Guidelines, Guideline No. 0373; International Concrete Repair Institute.

#### 1.5 SUBMITTALS

- A. Shop Drawings: Indicate setting details of stone and details of special masonry shapes. Detail shoring.
- B. Product Data: Provide data on cleaning compounds, masonry sealer and mortar.

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- C. Samples: Submit four samples of face brick units to illustrate matching color, texture and extremes of color range.
- D. Manufacturer's Instructions: For cleaning materials, indicate special procedures and conditions requiring special attention.

#### 1.6 QUALITY ASSURANCE

- A. Comply with provisions of ACI 530/530.1/ERTA, except where exceeded by requirements of the contract documents.
- B. Cleaners and restorer: Company specializing in masonry restoration with minimum five years of documented experience.

#### 1.7 MOCK-UP

- A. Masonry Restoration:
  - 1. Restore and repoint a section of existing masonry wall sized 2 feet (1.22 m) long by 2 feet (1.22 m) high, which includes mortar, accessories, and wall openings.
  - 2. Work includes masonry cleaning, grinding mortar joints, pointing mortar joints, and sealing
  - 3. Clean a 10 ft (3.0 m) by 10 ft (3.0 m) panel of wall to determine extent of cleaning on brick. Coordinate with architect to locate the worst and most stubborn areas to clean.
  - 4. Repeat, as instructed by Architect using different cleaning methods for up to three different panels.
- B. Locate where directed / shown on the drawings by the Architect.
- C. Approved mock-up(s) will remain as part of the Work.

#### 1.8 PRE-INSTALLATION MEETING

- A. Convene one week prior to commencing work of this section.
- B. Require attendance of parties directly affecting work of this section.
  - 1. Restorer's Superintendent and/ or Foreman must be in attendance.

#### 1.9 DELIVERY, STORAGE, AND HANDLING

- A. Deliver masonry neatly stacked and tied on pallets. Store clear of ground with adequate waterproof covering.

#### 1.10 DELIVER, HANDLE AND STORE UNITS BY MEANS THAT WILL PREVENT MECHANICAL DAMAGE AND CONTAMINATION BY OTHER MATERIALS.

- A. Store flashing materials, related accessories, and restoration cleaner materials in manufacturer's packaging. Store chemicals at 40 to 80 degrees F, or as required by the manufacturer.
- B. Store sand on waterproof tarp; cover when not in use with waterproof covering.
- C. Clean all materials of all foreign substances prior to using.

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- D. Any materials not protected at all times shall be marked rejected and shall be removed from the site by the contractor within 24 hours. All transportation, replacement costs, and delays in the schedule will be the sole responsibility of the contractor and at no additional cost to the owner.

#### 1.11 PROTECTION

- A. Protect elements surrounding the work of this section from damage or disfiguration.
- B. Protect existing roof systems and flashings from damage. Lay 1/2 plywood over 1" rigid insulation over full extent of roof area and traffic routes on membrane roofing systems. Weight down accordingly to prevent blow off.
- C. Immediately remove stains, efflorescence, or other excess materials resulting from the work of this section.
- D. Provide sand or waterproof dams to divert flowing water to exterior site drains.
- E. All windows, doors, louvers and other masonry wall penetrations to be sealed off with 10 mil polyethylene and tape. All tape adhesive must be removed and window frames cleaned upon completion of the work.
- F. All adjacent buildings, amenities, vehicles, etc. to be sealed off from work areas with 10 mil polyethylene and tape.

#### 1.12 FIELD CONDITIONS

- A. Maintain materials and surrounding air temperature to minimum 40 degrees F (5 degrees C) prior to, during, and 48 hours after completion of masonry work.
- B. Hot Weather Requirements: Comply with IMIAWC Recommended Practices and Guide Specifications for Hot Weather Masonry Construction.
- C. Do not blast clean or use process creating dust, dirt, when wind is over 10 mph (16 kph).
- D. Saw and grinder shall be fitted with dust extraction system to prevent dust from being released in accordance with EPA (Environmental Protection Agency). Local code jurisdictions, and other regulatory agencies.
  - 1. Dust extraction system is only required where maintenance of masonry work is being performed indoors.
- E. Observe local ordinances related to hours of work and noise generating activities.

#### 1.13 PROJECT CONDITIONS

- A. Perform repointing after cleaning masonry surfaces.
- B. Do not allow cleaning runoff to drain into sanitary or storm sewers.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Restoration and Cleaning Chemicals:
  - 1. Chemical Cleaning Agents: Basis of Design product; Cathedral Stone Products, Inc. - Bio-Cleaner
  - 2. Or approved equal.

## 2.2 PRODUCTS

- A. Restoration cleaners for masonry.
  - 1. Basis of Design product; Cathedral Stone Products, Inc. - Bio-Cleaner
  - 2. Or approved equal.
- B. Afterwash:
  - 1. Prosoco: [www.prosoco.com](http://www.prosoco.com); Product Limestone & Masonry Afterwash.
  - 2. Or approved equal.

## 2.3 MORTAR MATERIALS

- A. Conform to requirements of Section 04 05 11.
- B. Dry pre-blended mortar mix; conforming to ASTM C 270 and ASTM C 1714.
  - 1. Spec-Mix.; Product Tuckpoint mortar: [www.specmix.com](http://www.specmix.com).
  - 2. Or approved equal.
- C. Repointing Mortar Proportions by Volume: ASTM C-270 Proportion Specification. Use Portland Cement only.
  - 1. Mix cementitious materials and aggregates in a mechanical batch mixer for at least 5 minutes with maximum consistency. All mortar shall be used within two hours after mixing.
  - 2. Re-tempering of mortar shall not be permitted.
- D. Mortar shall match color and texture of existing mortar.
- E. Admixtures are not permitted.

## 2.4 MASONRY MATERIALS

- A. Face brick shall match existing, Grade SW.
- B. Dimensions: Accurately match with existing adjacent bricks. Field verify size in submittals.
- C. Manufacturer / Product: Glen-Gery, 250-M, Modular.
- D. Provide solid bricks where coursing would make cores visible.

## 2.5 CRACK INJECTION MORTAR

- A. Mineral mortar and natural synthetic pigment specially developed for filling cracks of between 3mm and 10mm in brick and stone. It is vapor permeable and contains no latex or acrylic bonding agents. It protects the substrate by allowing salts, water vapor, and liquid water to reach the surface, preventing failure due to salt expansion or freeze/thaw cycles. It has been engineered to provide a permanent repair that is compatible with the original substrate.
  - 1. Total Wall Care, Crack injection mortar, [www.twistfix.co.uk](http://www.twistfix.co.uk).



2. Or approved equal.

## 2.6 RETRO WEEP COVERS

A. Stainless steel or plastic weep hole covers.

1. Retrofit Weep Drain Opening Screen, by Tamlyn Building Products, tamlynstore.com.

2. Or approved equal.

## 2.7 WATER REPELLENT

A. See Section 07 1900.

## PART 3 EXECUTION

### 3.1 EXAMINATION

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

### 3.2 PREPARATION

A. Protect surrounding elements from damage due to restoration procedures.

B. Carefully remove and store removable items located in areas to be restored, including fixtures, fittings, finish hardware, and accessories; reinstall upon completion.

C. Separate areas to be protected from restoration areas using means adequate to prevent damage.

D. Cover existing landscaping with tarpaulins or similar covers.

E. Mask immediately adjacent surfaces with material that will withstand cleaning and restoration procedures.

F. Close off adjacent occupied areas with dust proof and weatherproof partitions.

G. Protect roof membrane and flashings from damage with 1/2 inch (13 mm) plywood laid over 1 inch insulation on roof surfaces over full extent of work area and traffic route.

H. H. When using cleaning methods that involve water or other liquids, install drainage devices to prevent runoff over adjacent surfaces unless those surfaces are impervious to damage from runoff.

### 3.3 REBUILDING

A. Cut out damaged and deteriorated masonry and stone joints with care in a manner to prevent damage to any adjacent remaining materials.

B. Support structure as necessary in advance of cutting out units.

C. Cut away loose or unsound adjoining masonry to provide firm and solid bearing for new work.

D. Mortar Mix: Colored and proportioned to match existing work.

E. Ensure that anchors are correctly located and built in.

- F. Install built in masonry and stone work to match and align with existing, with joints and coursing true and level, faces plumb and in line. Build in all openings, accessories and fittings.

### 3.4 CRACK FILLING OF INDIVIDUAL BRICKS

- A. Mortar Preparation:

1. Remove all contents from tub
2. Empty required amount of powdered crack injection mortar into tub.
3. Using tub, thoroughly mix 2 to 2.5 parts dry mortar with 1 part water for a minimum of 3 minutes. Mix by hand or with a slow speed drill with a mixing paddle until smooth.
4. Pour mixed mortar into syringe and replace lid on tub.

- B. Repair Method:

1. Widen 1 - 2mm to 3mm using a bladed tool.
2. Ensure surface to be repaired is free from dust, dirt and loose particles.
3. Substrate should be pre-moistened and damp but not too wet. Weather factors such as direct sunlight should be taken into account.
4. For deep cracks attach extension tube to syringe.
5. Starting from the bottom of the crack inject the mortar leaving 3- 5mm proud of the surface.
6. Deep repairs should be built up in layers no more than 20mm deep and allowed to cure.
7. Final layer should be 3mm to 5mm proud of the surrounding surface and allowed to cure. 3mm is sufficient for flat brick.
8. The repair can then be shaped and modelled with appropriate tools for up to two days after application.
9. Thoroughly clean tub and syringe for future use.

### 3.5 RETRO WEEPS

- A. Install weeps in cavity walls at 24 inches on center horizontally above existing through-wall flashings. Take precaution to not tear, cut or damage existing through wall flashing.

- B. Install as follows;

1. Remove vertical mortar joint full depth of brick and to height required by weep cover. Leave weep tubes in place where existing.
2. Remove existing weep tube.
3. Install retro weep cover.
4. Clean surrounding area.

### 3.6 TOLERANCES

- A. Construct unit masonry assemblies in strict accordance with ACI 530.1, but not less than the tolerances below:
  - 1. Maximum Variation From Unit to Adjacent Unit: 1/16 inch.
  - 2. Maximum Variation from Plane of Wall: 1/4 inch in 10 feet and 1/2 inch in 20 feet or more.
  - 3. Variation from Plumb: 1/4 inch per story, non-cumulative; 1/2 inch in two stories or more.
  - 4. Maximum Variation from Level Coursing: 1/8 inch in 3 feet and 1/4 inch in 10 feet; 1/2 inch in 30 feet.
  - 5. Maximum Variation of Joint Thickness: 1/8 inch in 3 feet.
  - 6. Maximum Variation from Cross Sectional Thickness of Walls: 1/4 inch.
- B. CUTTING AND FITTING
  - 1. Cut and fit for application. Coordinate with existing materials to provide correct size, shape and location.
  - 2. Obtain approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.

### 3.7 REPOINTING

- A. Cut out loose or disintegrated mortar in joints to minimum 3/4 inch (-mm) depth; or 2-1/2 times the joint width or until sound mortar is reached.
- B. Use power tools only after test cuts determine no damage to masonry units will result. Use hand tools only near window frames or when it is expected that power tools will damage the adjacent areas.
- C. Do not damage masonry units.
- D. When cutting is complete, remove dust and loose material by brushing or with water jet.
- E. Premoisten joint and apply mortar. Pack tightly in maximum 1/4 inch (6 mm) layers. Form a smooth, compact concave joint to match existing.
- F. Moist cure for 72 hours.

### 3.8 CLEANING EXISTING MASONRY

- A. Verify mortar is fully set and cured.
- B. Dilute restoration cleaner in accordance with manufacturer's recommendations to achieve results identical to that required for sample area.
- C. Prewet surfaces from bottom to top.
- D. Clean surfaces and remove large particles with wood scrapers or non-ferrous wire brush.
- E. Spray or Roller apply surfaces with restoration cleaner mixed into solution identical to that required for sample area.

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- F. Allow sufficient time for solution to remain on masonry and agitate with soft fiber brush or sponge. Do not allow cleaners to dry.
- G. Apply low pressure, flood rinse to treated surfaces with clean water to flush away loose mortar, dirt, and cleaner.
- H. Apply high pressure rinse to treated surfaces with a concentrated stream of clean water. Keep wall surfaces beneath area being cleaned running wet at free of afterwash solution and residues.

### 3.9 CLEANING NEW MASONRY

- A. Verify mortar is fully set and cured.
- B. Dilute restoration cleaner in accordance with manufacturer's recommendations to achieve results identical to that required for sample area.
- C. Clean surfaces and remove large particles with wood scrapers, brass or nylon wire brushes.
- D. Scrub walls with cleaning agent solution using stiff brush. Thoroughly rinse and wash off cleaning solution, dirt and mortar crumbs using clean, pressurized water.

### 3.10 AGING

- A. Rub in new masonry work to match, as close as possible, adjacent original work.
  - 1. Use carbon black in small amounts, rubbing in well with burlap rags.
- B. After each application, dust off surplus and wash down with low pressure hose. Allow surface to dry before proceeding with succeeding applications.
- C. Continue process until acceptance.

### 3.11 CLEANING

- A. Immediately remove stains, efflorescence, or other excess resulting from the work of this section.
- B. Remove excess mortar, smears, and droppings as work proceeds and upon completion.
- C. Clean surrounding surfaces.

END OF SECTION 040100

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## **SECTION 040123 - MASONRY CLEANING**

### **PART 1 GENERAL**

#### **1.1 SUMMARY**

- A. The Work of this Section includes cleaning brick, terra cotta, granite, sandstone, limestone, and marble masonry by a chemical cleaning method using pressure spray equipment.

#### **1.02 RELATED WORK SPECIFIED ELSEWHERE**

- A. Maintenance of Masonry: Section 040100.
- B. Water Repellent: Section 071900.
- C. Joint Sealers: Section 079200.

#### **1.03 REFERENCES**

- A. The Brick Industry Association Technical Note 20, June 2006, Cleaning Brickwork, gobrick.com, 703-620-0010.

#### **1.04 SUBMITTALS**

- A. Product Data: Cleaning materials manufacturers' catalog sheets, specifications, and application instructions.
- B. Quality Control Submittals:
  - 1. Cleaning Contractor's Qualifications Data:
    - a. Firm name, address, and telephone number.
    - b. Period of time firm has performed masonry cleaning work, and names and addresses of the required number of similar projects completed by the firm.
  - 2. Cleaner's Qualifications Data:
    - a. Name of each person who will be performing the Work of this Section.
    - b. Employer's name, address, and telephone number.
    - c. Names and addresses of the required number of similar projects that each person has worked on which meet the experience criteria.
  - 3. Cleaning Procedure: Proposed cleaning procedure for cleaning masonry including each step in the cleaning process, type of scaffolding, and type, size and location of equipment.

## **1.05 QUALITY ASSURANCE**

- A. Cleaning Contractor's Qualifications: The firm performing the Work of this Section shall have been regularly engaged in masonry cleaning work for a minimum of five years, and shall have completed 5 similar projects using the cleaning method specified.
- B. Cleaners' Qualifications: The persons cleaning the masonry and their supervisors shall be personally experienced in the required method of masonry cleaning, and shall have worked on 5 similar projects within the last 3 years.
- C. Pressure Spray Cleaning Equipment:
  - 1. Presoak pressure: 30 psi to 50 psi, with 25 deg to 50 deg fan shaped nozzle.
  - 2. Cleaning solution application pressure: 30 psi to 50 psi, with 50 deg fan shaped nozzle.
  - 3. Cleaning pressure: 200 psi to 300 psi, with a 25 deg to 50 deg fan shaped nozzle.
- D. Field Examples:
  - 1. Before the building cleaning operations are started, clean a sample panel of approximately 100 square feet of each type of masonry required to be cleaned at a location on the building directed by the Director's Representative. If the sample panel is not satisfactory, as determined by the Director's Representative, modify the cleaning procedure and clean another sample panel. Continue cleaning sample panels until satisfactory results are obtained and approved by the Director's Representative.
    - a. For cleaning procedures other than specified, but which generally follow the method(s) specified, submit proposed procedure for approval and clean additional sample panels adjacent to the above sample panels for comparison of results.
  - 2. Approved panels and procedures will become the cleaning standard for the Work of this Section.
  - 3. Cover the approved sample panels with six mil polyethylene plastic mounted on wood frames of adequate size and strength to protect the panels until the completion of the Work. The covers shall be easily removable for comparison with completed Work.

## **1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Deliver cleaning materials in manufacturer's packaging, with instructions for use.
- B. Store, protect, and handle cleaning materials in accordance with manufacturer's instructions.

## **1.07 PROJECT CONDITIONS**

- A. Environmental Requirements:
  - 1. Make necessary provisions for the diversion and disposal of cleaning water and solutions, including the furnishing of pumps if required. Take precautions as required to prevent damage and contamination resulting from run off of cleaning solution.
  - 2. Do not wet or wash down masonry surfaces when the temperature is below 40 degrees F or may drop below 40 degrees F within 24 hours.
- B. Existing Conditions:
  - 1. Take necessary precautions and protective measures to prevent injury to people and damage to property in areas adjacent to the Site, including damage due to wind drift of cleaning materials.
  - 2. Pumping equipment will not be allowed in or on the building.

## **PART 2 PRODUCTS**

### **2.01 MATERIALS**

- A. Cleaning Materials: Solutions of chemical cleaning agents and additives that will remove the dirt, grime, carbon, surface residues, stains, graffiti, and other foreign material from the masonry surfaces, but will not damage the masonry.
  - 1. Cleaning agents shall be formulated and manufactured specifically for cleaning the particular kind of masonry required to be cleaned.
- B. Chemical Cleaning Agents: Basis of Design product; Cathedral Stone Products, Inc. - Bio-Cleaner
- C. Water: Clean and potable.

### **2.02 EQUIPMENT**

- A. Pressure Washer:
  - 1. Maximum allowable pressure: 300psi.
- B. Miscellaneous Equipment:
  - 1. Stiff natural bristle brush.
  - 2. Hand operated pump sprayers.
  - 3. Clean rags.
  - 4. Latex gloves.
  - 5. Rubber gloves.
  - 5. Eye protection.
  - 6. Garden hose connected to potable water source.
  - 7. Soft bristle scrub brush.
  - 8. Putty knives or paint scrapers, metal and plastic.

9. Wire bush for cleaning rust bloom only.

### **PART 3 EXECUTION**

#### **3.01 PREPARATION**

- A. Protection:
  1. Protect windows, doors, fixtures, air conditioners, roofing, flashings, and other adjacent surfaces not required to be cleaned from damage.
  2. Provide a method for containment and disposal of contaminated runoff from the cleaning operation.
  3. Protect landscaping, paving, and other improvements near the building from damage.
  4. Construct temporary sidewalk sheds at building entrances to divert cleaning materials and debris away from entrance ways and to provide sheltered access to the building.
- B. Surface Preparation:
  1. Remove vines, bird nests, stalactite deposits, and heavy accumulations of dirt, bird droppings and other foreign material from surfaces required to be cleaned.
  2. Perform this preliminary cleaning by brushing, sweeping, wiping, scraping, vacuuming, and other approved methods as required by existing conditions. Use tools that will not damage the masonry.

#### **3.02 CLEANING MASONRY**

- A. Bucket and Brush Cleaning:
  1. Saturate the area to be cleaned and brickwork below with water prior to applying the cleaning solution and keep wet until final rinse.
  2. Mix and apply cleaning solution according to manufacturer's instructions.
  3. Do not allow cleaning solution to dry on brickwork.
  4. After cleaning, thoroughly rinse the area being cleaned and the area below with water.
  5. Clean masonry equal in appearance to the approved sample panels.
- B. Pressure Water Cleaning:
  1. Determine appropriate water pressure, nozzle type and distance between wall and nozzle by trial cleaning; maintain consistently throughout clean.
  2. Saturate the area to be cleaned and the brickwork below with water prior to applying cleaning solution, and keep wet until final rinse.
  3. Apply cleaning solution according to manufacturer's instructions with low pressure sprayer, 30 to 50 psi using a 50 deg fan shaped nozzle, or by brush.
  4. Do not allow cleaning solution to dry on brickwork.



5. Thoroughly rinse using maximum water pressure of 200 to 300 psi with a 25 deg to 50 deg fan shaped nozzle.
  6. Clean masonry equal in appearance to the approved sample panels.
- C. Clean masonry free of dirt, grime, soot, carbon, efflorescence, moss, stains, graffiti, tendrils, paint, masonry coatings, tar and other foreign material. Leave masonry uniformly clean and undamaged.
- D. Clean all features and appurtenances of the masonry such as sills, arches, lintels, returns, reveals, projecting courses, coping, entablature work, back of parapets and friezes, fascias, cornices, and other features.
- F. Thoroughly rinse off the masonry surfaces with water.

### **3.03 CLEAN-UP**

- A. Clean and restore sidewalks, paving, and lawns soiled or damaged as a result of the cleaning operations. Remove all protective materials.

**END OF SECTION**



SECTION 071900 - WATER REPELLENTS

PART 1 - GENERAL

1.1 SECTION INCLUDES:

- A. Exterior water-repellent coatings for:
  - 1. Brick Masonry
- B. Brick unit masonry
- C. Extended written warranty

1.2 SUBMITTALS

- A. Comply with Section 01300, unless otherwise indicated. Substitution requests must be submitted 14 days prior to the bid date.
- B. Product Data: Manufacturer's specifications and technical data including the following:
  - 1. Detailed specification of construction and fabrication.
  - 2. Manufacturer's installation instructions.
  - 3. Certified test reports indicating compliance with performance requirements specified herein.
- C. Quality Control Submittals:
  - 1. Statement of qualifications.
  - 2. Statement of compliance with Regulatory Requirements.
  - 3. Field Quality Control Submittals as specified in Part 3.
  - 4. Manufacturer's field reports.

1.3 QUALITY ASSURANCE

- A. Manufacturer's Qualification: Not less than 5 years of experience in the actual production of specified products.
- B. Installer's Qualifications: Firm experienced in the installation or application of systems similar in complexity to those required for this project, plus the following:
  - 1. Acceptable to or licensed by manufacturer.
  - 2. Not less than 3 years of experience with systems.
  - 3. Successfully completed not less than 5 comparable scale projects using this system.
- C. Product Qualifications:
  - 1. Comply with the provisions of the following standards for brick masonry
    - a. Surface Appearance - No change in the surface appearance or texture.
- D. Product Qualifications:
  - 1. Comply with the provisions of the following standards for brick masonry.
    - a. Surface Appearance - No change in the surface appearance or texture.
    - b. ASTM E514 "Water Permeance of Masonry"
      - 100% reduction in the leakage rate over the control
      - Control wall must have a leakage rate of at least 2.0 liters/hour
    - c. ASTM C67 "Brick and Structural Clay Tile" Part 7 Water Absorption
      - 98% reduction in water absorption
    - d. ASTM G53 "Accelerated Weathering" for 2000 hours
      - only 5% loss of effectiveness over initial water repellency
    - e. Penetration - visual penetration into brick - 0.25 inches average

D. Regulatory Requirements: Products shall comply with State and local regulations concerning AIM (Architectural, Industrial and Maintenance) coatings regarding Volatile Organic Content (VOC).

The use of 1,1,1 trichloroethane shall not be allowed.

1.4 DELIVERY STORAGE AND HANDLING

- A. Deliver products in original unopened packaging with legible manufacturer's identification.
- B. Storage and protection to comply with manufacturer's recommendations.

### 1.5 PROJECT CONDITIONS

- A. Environmental Requirements:
  - 1. Maintain ambient temperature above 20 degrees F during and 24 hours after installation.
  - 2. Do not proceed with application on materials if ice or frost is covering the substrate.
  - 3. Do not proceed with application if ambient temperature of surface exceeds 100 degrees F.
  - 4. Do not proceed with the application of materials in rainy conditions or if heavy rain is anticipated with 4 hours after application.
- B. Sealer Coordination:
  - 1. Verify compatibility with curing compounds, patching materials, repair mortar, paints, sealants, etc. to be used on masonry surfaces to ensure compatibility with the water repellent.

### 1.6 SPECIAL WARRANTIES

- A. Manufacturer shall stand behind installed system for period of (5 to 10) years from Date of Substantial Completion against all the conditions indicated below. When notified in writing from Owner, Manufacturer shall, promptly and without inconvenience and cost to Owner correct said deficiencies.
  - 1. Loss of water repellency:
    - a. Brick Masonry: 1.0 mil/20 minutes or greater (80 mph wind driven rain equivalent).

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Acceptable manufacturers and products for Brick Masonry
  - 1. Protectosil® CHEM-TRETE BSM 400 Evonik 1-800-828-0919.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verification of Conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.
  - 1. Do not proceed until unsatisfactory conditions have been corrected

### 3.2 PREPARATION

- A. Protection: install coverings to protect adjacent surfaces
- B. Surface Preparation
  - 1. Verify masonry joints found to be unsound, hollow, or otherwise defective, have been raked out to a depth of 1/2 inch and pointed with mortar.
  - 2. Verify cracks that exceed 1/64 inches wide have been filled with pointing mortar.
  - 3. All repointing must be completed and allowed to cure.
  - 4. Remove dirt, dust and materials that will interfere with the proper and effective application of the penetrating sealer. It is the responsibility of the Contractor to prepare the surfaces of the concrete as recommended by the Water Repellent Manufacturer and acceptable to the Engineer.

Sealants, patching materials, and expansion joints shall have been installed and approved by the Engineer.

### 3.3 FIELD QUALITY CONTROL

- A. Spray Test: After water repellent has dried, spray coated surfaces with water.
  - 1. After surfaces have adequately dried, recoat surfaces that show water absorption.
- B. Manufacturer's Field Services:
  - 1. Furnish written certification that surface preparation method and final condition has manufacturer's approval and comply with the warranty.
  - 2. Test area: Furnish results of test area absorption on each type of substrate. Test results shall determine application rate.

C. Test Area:

1. Before a sealer application the following field evaluation will be done. The cost of the field testing will be the responsibility of the Water Repellent Manufacturer.
2. Prepare a three feet by three feet area to be sprayed with the water repellent. The area will be determined by the Owner. Apply the water repellent in a flooding application, from the bottom up to cause the material to run down 6 to 8 inches below the spray pattern.
3. After allowing five days for the sample to cure run a RILEM uptake test on the treated area. Place one tube on the brick and one tube on a mortar joint. Owner must be present for the application of the water repellent and the test.
4. Acceptable minimum results are as stated in the warranty provisions. Coverage rate used to pass this test section must be used on entire project.

3.4 APPLICATION

- A. Product shall be applied as supplied by the manufacturer without dilution or alteration.
- B. Apply with a low-pressure (15 psi) airless spray equipment with a fan spray coarse nozzle, flooding the surface to obtain uniform coverage unless otherwise recommended by the manufacturer.
- C. Apply at a rate of not less than 125 square feet/gallon unless the field tests determine that a heavier rate of application is necessary to meet the performance requirements.
- D. Apply at temperature and weather conditions recommended by the manufacturer or written in this specification.
- E. Follow manufacturer's recommendations concerning protection of glass, metal and other non-porous substrates. Contractor will be responsible to clean all surfaces that are contaminated by the water repellent.
- F. Follow manufacturer's recommendation concerning protection of plants, grass and other vegetation. Contractor will be responsible for replacing all plants, grass or vegetation damaged by the water repellent.
- G. Brush apply water repellent only at locations where overspray would affect adjacent materials and where not practicable for spray application.

3.5 CLEANING

- A. As work progresses: Clean spillage and overspray from adjacent surfaces using materials and methods as recommended by water repellent manufacturer.
- B. Remove protective coverings from adjacent surfaces when no longer needed.

3.6 COMPLETION

- A. Work that does not conform to specified requirements shall be corrected and/or replaced as directed by the Owners Representative at contractor's expense without extension of time.

**END OF SECTION**



SECTION 079200 - JOINT SEALANTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Silicone joint sealants.
2. Mildew-resistant joint sealants.
3. Butyl joint sealants.
4. Latex joint sealants.

B. Related Requirements:

1. Section 079219 "Acoustical Joint Sealants" for sealing joints in sound-rated construction.

1.3 ACTION SUBMITTALS

A. Product Data: For each joint-sealant product.

B. Samples for Initial Selection: Manufacturer's color charts consisting of strips of cured sealants showing the full range of colors available for each product exposed to view.

C. Samples for Verification: For each kind and color of joint sealant required, provide Samples with joint sealants in 1/2-inch- wide joints formed between two 6-inch- long strips of material matching the appearance of exposed surfaces adjacent to joint sealants.

D. Joint-Sealant Schedule: Include the following information:

1. Joint-sealant application, joint location, and designation.
2. Joint-sealant manufacturer and product name.
3. Joint-sealant formulation.
4. Joint-sealant color.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each kind of joint sealant, for tests performed by a qualified testing agency.

- B. Preconstruction Field-Adhesion-Test Reports: Indicate which sealants and joint preparation methods resulted in optimum adhesion to joint substrates based on testing specified in "Preconstruction Testing" Article.
- C. Field-Adhesion-Test Reports: For each sealant application tested.
- D. Sample Warranties: For special warranties.

#### 1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.

#### 1.6 PRECONSTRUCTION TESTING

- A. Preconstruction Field-Adhesion Testing: Before installing sealants, field test their adhesion to Project joint substrates as follows:
  - 1. Locate test joints where indicated on Project or, if not indicated, as directed by Architect.
  - 2. Conduct field tests for each kind of sealant and joint substrate.
  - 3. Notify Architect seven days in advance of dates and times when test joints will be erected.
  - 4. Arrange for tests to take place with joint-sealant manufacturer's technical representative present.
    - a. Test Method: Test joint sealants according to Method A, Field-Applied Sealant Joint Hand Pull Tab, in Appendix X1.1 in ASTM C 1193 or Method A, Tail Procedure, in ASTM C 1521.
      - 1) For joints with dissimilar substrates, verify adhesion to each substrate separately; extend cut along one side, verifying adhesion to opposite side. Repeat procedure for opposite side.
  - 5. Report whether sealant failed to adhere to joint substrates or tore cohesively. Include data on pull distance used to test each kind of product and joint substrate. For sealants that fail adhesively, retest until satisfactory adhesion is obtained.
  - 6. Evaluation of Preconstruction Field-Adhesion-Test Results: Sealants not evidencing adhesive failure from testing, in absence of other indications of noncompliance with requirements, will be considered satisfactory. Do not use sealants that fail to adhere to joint substrates during testing.

#### 1.7 FIELD CONDITIONS

- A. Do not proceed with installation of joint sealants under the following conditions:
  - 1. When ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer or are below 40 deg F.
  - 2. When joint substrates are wet.
  - 3. Where joint widths are less than those allowed by joint-sealant manufacturer for applications indicated.
  - 4. Where contaminants capable of interfering with adhesion have not yet been removed from joint substrates.

#### 1.8 WARRANTY

- A. Special Installer's Warranty: Installer agrees to repair or replace joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.



1. Warranty Period: Two years from date of Substantial Completion.
- B. Special Manufacturer's Warranty: Manufacturer agrees to furnish joint sealants to repair or replace those joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
  1. Warranty Period: Ten years from date of Substantial Completion.
- C. Special warranties specified in this article exclude deterioration or failure of joint sealants from the following:
  1. Movement of the structure caused by stresses on the sealant exceeding sealant manufacturer's written specifications for sealant elongation and compression.
  2. Disintegration of joint substrates from causes exceeding design specifications.
  3. Mechanical damage caused by individuals, tools, or other outside agents.
  4. Changes in sealant appearance caused by accumulation of dirt or other atmospheric contaminants.

## PART 2 - PRODUCTS

### 2.1 JOINT SEALANTS, GENERAL

- A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.
- B. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

### 2.2 NONSTAINING SILICONE JOINT SEALANTS

- A. Nonstaining Joint Sealants: No staining of substrates when tested according to ASTM C 1248.
- B. Silicone, Nonstaining, S, NS, 50, NT: Nonstaining, single-component, nonsag, plus 50 percent and minus 50 percent movement capability, nontraffic-use, neutral-curing silicone joint sealant; ASTM C 920, Type S, Grade NS, Class 50, Use NT.
  1. Basis of Design Product: Subject to compliance with requirements, provide, Dow Corning Corporation; 795 or a comparable product by one of the following:
    - a. GE Construction Sealants.
    - b. Pecora Corporation.
    - c. Tremco Incorporated.
- C. Silicone, Nonstaining, S, NS, 100/50, NT. Single-Component, Nonsag, Grade NS, Class 100/50, ASTM C920.
  1. Basis of Design Product; Subject to compliance with requirements, provide "Dowsil 790 Silicone Building Sealant" or a comparable product by one of the following:
    - a. GE Construction Sealants
    - b. Pecorn Corporation.
    - c. Tremco Incorporated.

2.3 BUTYL JOINT SEALANTS

A. Butyl-Rubber-Based Joint Sealants: ASTM C 1311.

1. Products: Subject to compliance with requirements, provide one of the following:

- a. Pecora Corporation; "BC – 158."
- b. Bostik: "CHEM – CALK 300".

2.4 LATEX JOINT SEALANTS

A. Acrylic Latex: Acrylic latex or siliconized acrylic latex, ASTM C 834, Type OP, Grade NF.

1. Products: Subject to compliance with requirements, provide:

- a. Bostik: "CHEM – CALK 600".

2.5 JOINT-SEALANT BACKING

A. Cylindrical Sealant Backings: ASTM C 1330, Type C (closed-cell material with a surface skin), and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.

B. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint. Provide self-adhesive tape where applicable.

2.6 MISCELLANEOUS MATERIALS

A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.

B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.

C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine joints indicated to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:
1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
  2. Clean porous joint substrate surfaces by brushing, grinding, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air. Porous joint substrates include the following:
    - a. Concrete.
    - b. Masonry.
    - c. Unglazed surfaces of ceramic tile.
  3. Remove laitance and form-release agents from concrete.
  4. Clean nonporous joint substrate surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants. Nonporous joint substrates include the following:
    - a. Metal.
    - b. Glazed surfaces of ceramic tile.
- B. Joint Priming: Prime joint substrates where recommended by joint-sealant manufacturer or as indicated by preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.
- C. Masking Tape: Use masking tape where required to prevent contact of sealant or primer with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

### 3.3 INSTALLATION OF JOINT SEALANTS

- A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.
- B. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.
- C. Install sealant backings of kind indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
1. Do not leave gaps between ends of sealant backings.
  2. Do not stretch, twist, puncture, or tear sealant backings.
  3. Remove absorbent sealant backings that have become wet before sealant application, and replace them with dry materials.
- D. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.

- E. Install sealants using proven techniques that comply with the following and at the same time backings are installed:
  - 1. Place sealants so they directly contact and fully wet joint substrates.
  - 2. Completely fill recesses in each joint configuration.
  - 3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.
  
- F. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants according to requirements specified in subparagraphs below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.
  - 1. Remove excess sealant from surfaces adjacent to joints.
  - 2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
  - 3. Provide concave joint profile per Figure 8A in ASTM C 1193 unless otherwise indicated.
  - 4. Provide flush joint profile at locations indicated on Drawings according to Figure 8B in ASTM C 1193.
  - 5. Provide recessed joint configuration of recess depth and at locations indicated on Drawings according to Figure 8C in ASTM C 1193.
    - a. Use masking tape to protect surfaces adjacent to recessed tooled joints.

### 3.4 FIELD QUALITY CONTROL

- A. Field-Adhesion Testing: Field test joint-sealant adhesion to joint substrates as follows:
  - 1. Extent of Testing: Test completed and cured sealant joints as follows:
    - a. Perform 10 tests for the first 1000 feet of joint length for each kind of sealant and joint substrate.
  
  - 2. Test Method: Test joint sealants according to Method A, Field-Applied Sealant Joint Hand Pull Tab, in Appendix X1 in ASTM C 1193 or Method A, Tail Procedure, in ASTM C 1521.
    - a. For joints with dissimilar substrates, verify adhesion to each substrate separately; extend cut along one side, verifying adhesion to opposite side. Repeat procedure for opposite side.
  
  - 3. Inspect tested joints and report on the following:
    - a. Whether sealants filled joint cavities and are free of voids.
    - b. Whether sealant dimensions and configurations comply with specified requirements.
    - c. Whether sealants in joints connected to pulled-out portion failed to adhere to joint substrates or tore cohesively. Include data on pull distance used to test each kind of product and joint substrate. Compare these results to determine if adhesion complies with sealant manufacturer's field-adhesion hand-pull test criteria.
  
  - 4. Record test results in a field-adhesion-test log. Include dates when sealants were installed, names of persons who installed sealants, test dates, test locations, whether joints were primed, adhesion results and percent elongations, sealant material, sealant configuration, and sealant dimensions.
  
  - 5. Repair sealants pulled from test area by applying new sealants following same procedures used originally to seal joints. Ensure that original sealant surfaces are clean and that new sealant contacts original sealant.

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- B. Evaluation of Field-Adhesion-Test Results: Sealants not evidencing adhesive failure from testing or noncompliance with other indicated requirements will be considered satisfactory. Remove sealants that fail to adhere to joint substrates during testing or to comply with other requirements. Retest failed applications until test results prove sealants comply with indicated requirements.

3.5 CLEANING

- A. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

3.6 PROTECTION

- A. Protect joint sealants during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out, remove, and repair damaged or deteriorated joint sealants immediately so installations with repaired areas are indistinguishable from original work.

3.7 JOINT-SEALANT SCHEDULE

- A. Joint-Sealant Application: Exterior joints in vertical surfaces and horizontal nontraffic surfaces.
  - 1. Joint Locations:
    - a. Control joints in exterior masonry.
    - b. Perimeter joints between materials listed above and frames of doors and louvers.
    - c. Other joints as indicated on Drawings.
  - 2. Joint Sealant: Silicone, nonstaining, S, NS, 50, NT.
  - 3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.
- B. Joint-Sealant Application: Exterior joints in vertical surface of Exterior Insulation Finish System (EIFS).
  - 1. Joint Locations:
    - a. Control joints in EIFS.
    - b. Perimeter joints in EIFS and frames of doors, windows and louvers.
  - 2. Joint Sealant: Silicone, nonstaining, S, NS, 100/50, NT.
  - 3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.
- C. Joint-Sealant Application: Concealed mastics.
  - 1. Joint Locations:
    - a. Aluminum thresholds.
    - b. Other joints as indicated on Drawings.
  - 2. Joint-Sealant: Butyl-rubber based.
  - 3. Joint-Sealant Color: As selected by Architect from manufacturer's full range of colors.

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END OF SECTION 079200

JWS:jws  
08/12/2024

## SECTION 099113 - EXTERIOR PAINTING

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes surface preparation and the application of paint systems on the following exterior substrates:
  - 1. Concrete.
  - 2. Steel and iron.
- B. Related Requirements:
  - 1. Section 099123 – Interior Painting

#### 1.3 DEFINITIONS

- A. MPI Gloss Level 1: Not more than five units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.
- B. MPI Gloss Level 3: 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.
- C. MPI Gloss Level 4: 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.
- D. MPI Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.
- E. MPI Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.
- F. MPI Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

#### 1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
  - 1. Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
  - 2. Indicate VOC content.
- B. Samples for Initial Selection: For each type of topcoat product.
- C. Samples for Verification: For each type of paint system and each color and gloss of topcoat.
  - 1. Submit Samples on rigid backing, 8 inches square.

2. Apply coats on Samples in steps to show each coat required for system.
3. Label each coat of each Sample.
4. Label each Sample for location and application area.

D. Product List: Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules. Include color designations.

#### 1.5 QUALITY ASSURANCE

A. Mockups: Apply mockups of each paint system indicated and each color and finish selected to verify preliminary selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Architect will select one surface to represent surfaces and conditions for application of each paint system.
  - a. Vertical and Horizontal Surfaces: Provide samples of at least 100 sq. ft.
  - b. Other Items: Architect will designate items or areas required.
2. Final approval of color selections will be based on mockups.
  - a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.
3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

#### 1.7 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.

B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.



## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Sherwin-Williams Company (The); Resilience Exterior Latex Satin, and Anti-Graffiti Coating, 1K Siloxane or a comparable product by one of the following:
1. Benjamin Moore & Co.
  2. Dulux (formerly ICI Paints); a brand of AkzoNobel.
- B. Products: Subject to compliance with requirements, provide product listed in the Exterior Painting Schedule for the paint category indicated.

### 2.2 PAINT, GENERAL

- A. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products Lists."
- B. Material Compatibility:
1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
  2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
- C. Colors: As selected by Architect from manufacturer's full range.

### 2.3 SOURCE QUALITY CONTROL

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
1. Concrete: 12 percent.
  2. Masonry (Clay and CMUs): 12 percent.
- C. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
- D. Proceed with coating application only after unsatisfactory conditions have been corrected.
1. Application of coating indicates acceptance of surfaces and conditions.

### 3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
  - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
  - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.
- E. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.
- F. Steel Substrates: Remove rust, loose mill scale, and shop primer if any. Clean using methods recommended in writing by paint manufacturer but not less than the following:
  - 1. SSPC-SP 2.
- G. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

### 3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."
  - 1. Use applicators and techniques suited for paint and substrate indicated.
  - 2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.
  - 3. Paint both sides and edges of exterior doors and entire exposed surface of exterior door frames.
  - 4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
  - 5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.
- B. Tint undercoats same color as topcoat, but tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

### 3.4 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
  - 1. Contractor shall touch up and restore painted surfaces damaged by testing.
  - 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

### 3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

### 3.6 EXTERIOR PAINTING SCHEDULE

- A. Concrete Substrates, Nontraffic Surfaces:
  - 1. Latex System:
    - a. Prime Coat: Primer, alkali resistant, water based.
      - 1) Basis of Design Product, Sherwin Williams "Loxon Concrete & Masonry Primer/Sealer".
    - b. Intermediate Coat: Latex, exterior, matching topcoat.
    - c. Topcoat: Latex, exterior, low sheen (MPI Gloss Level 3-4).
      - 1) Basis of Design Product, Sherwin Williams, "S-W, A – 100 Exterior Latex Satin, A82 Series."
- B. Steel and Iron Substrates:
  - 1. Water-Based Light Industrial Coating System:
    - a. Prime Coat: Primer, alkyd, anti-corrosive for metal.
      - 1) Basis of Design Product, Sherwin Williams, "Kem Kromik Universal Metal Primer."
    - b. Intermediate Coat: Light industrial coating, exterior, water based, matching topcoat.

TRAUTMAN ASSOCIATES  
ROCHESTER HOUSING AUTHORITY  
JONATHAN CHILD APARTMENTS MASONRY RECONSTRUCTION  
TA PROJECT No. 24042

- c. Topcoat: Light industrial coating, exterior, water based, semi-gloss (MPI Gloss Level 5).
  - 1) Basis of Design Product, Sherwin Williams, "Pro Industrial Acrylic Semi-Gloss Coating."

END OF SECTION 099113

JWS:jws  
06/17/24

GENERAL REQUIREMENTS FOR: Jonathan Child Apts. Facade Repairs

LOCATION: 399 Colvin St., Rochester NY

THE FOLLOWING REQUIREMENTS ARE TO BE CONSIDERED AS PART OF THIS SPECIFICATION:

1. The contractor shall use only material, equipment, and procedures approved by O.S.H.A. All products utilized must be free of known hazardous compounds; any products manufactured outside of the U.S. shall include documentation to verify the products meet all applicable U.S. manufacturing regulations.
2. It is the responsibility of the contractor to make exact measurements and to determine the amount of material and/or dimension of materials needed.
3. The work area shall be picked up and/or swept each day at completion of the days work. All debris is to be disposed of off site by the contractor. If the extent of the work is such that a dumpster is required, the contractor shall supply a dumpster at his/her expense. In no instance is the Authority's dumpster to be used.
4. RHA, as being publicly funded is tax exempt, Contractors shall not factor in their bid price the cost of sales tax for material or expect reimbursement for sales tax. The Contractor awarded the work may call the state offices in Albany, 1-518-485-2889 (Sales Tax Registration Option) for a tax-exempt number for this work. Forms may be obtained via the internet at <http://www.tax.ny.gov/>
5. No substitutions of materials or methods are permitted without the written consent of the Authority.
6. The contractor is responsible to repair at his/her expense any damage to Authority property, its tenants or adjoining property if caused by the contractor's workers or equipment.
7. To minimize disruption to the tenants, all work shall be conducted between the hours of 8:30 A.M. to 4:30 P.M. Monday thru Friday ONLY.
8. Tradesman under direct supervision provided by the contractor shall perform all work.
9. All certificates of Guarantee or Warranty must be supplied to RHA PRIOR to final payment.
10. **The contractor shall be responsible to obtain and provide the Authority all applicable permits - (Building, Plumbing, Electrical, etc...), Certificates of Occupancy if asked for, and N.Y.S. Underwriter's Inspection Certificate.**
11. Contractors must provide valid Certificate of Insurance for General liability, Automotive liability, and Workmen's compensation for minimum coverage amounts as determined by RHA for the entire term of the contract.
12. IF HUD Determined or Davis-Bacon Wage Rates are required for this contract, weekly payroll information must be provided by the contractor on HUD form WH-347.
13. The contractor shall be responsible for all materials, whether issued by the Authority or purchased by the contractor. The contractor must replace at his/her expense any material lost, stolen or damaged.
14. Effective July 18, 2008, all contracts of at least \$250,000.00 will require certification that all laborers, workers and mechanics working on the site, be certified as having successfully completed the OSHA 10-hour construction safety and health course, S1537-A. This provision is an addition to the existing prevailing wage rate laws, Labor Law §220, section 220-h. Proper certification must be presented to the RHA prior to contract award. The RHA will have the right to terminate for cause any contract in which the contract fails to comply with this requirement or any other OSHA or labor regulation.
15. Questions concerning the specifications or scope of work, including those raised at the walk-thru, must be submitted to RHA in writing eight days prior to bid opening. If questions are not submitted, RHA's understanding of the specifications will be final.
16. Direct all questions regarding Specifications, bid forms, bonding, or RHA and HUD regulations to **David Stier [dstier@rochesterhousing.org](mailto:dstier@rochesterhousing.org)**

"General Decision Number: NY20240010 04/05/2024

Superseded General Decision Number: NY20230010

State: New York

Construction Types: Building, Heavy and Highway

County: Monroe County in New York.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes and apartments up to and including 4 stories), HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none"><li>Executive Order 14026 generally applies to the contract.</li><li>The contractor must pay all covered workers at least \$17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024.</li></ul>
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none"><li>Executive Order 13658 generally applies to the contract.</li><li>The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.</li></ul>

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

1 03/08/2024  
 2 04/05/2024

ASBE0026-001 06/01/2023

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR		
includes application of all insulating materials, protective coverings, coatings and finishings to all types of mechanical systems. Also the application of firestopping material openings and penetrations in walls, floors, ceilings, curtain walls and all lead abatement.....	\$ 36.21	24.71 ✓
HAZARDOUS MATERIAL HANDLER		
Duties limited to preparation, wetting, stripping, removal, scrapping, vacuuming, bagging, disposing of all insulation materials, whether they contain asbestos or not from mechanical systems.....	\$ 34.66	24.71 ✓

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 BOIL0007-001 01/01/2021

	Rates	Fringes
BOILERMAKER.....	\$ 35.10	30.75

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 BRNY0003-004 07/01/2022

ROCHESTER CHAPTER

	Rates	Fringes
BUILDING CONSTRUCTION		
BRICKLAYERS, STONE MASONS, PLASTERERS, CEMENT MASONS POINTER, CAULKER/CLEANER....	\$ 32.81	25.13
Marble, Tile & Terrazzo Workers.....	\$ 34.37	24.38
Marble/terrazzo/tile finisher....	\$ 27.73	20.19

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 BRNY0003-005 07/01/2022

ROCHESTER CHAPTER

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
HEAVY & HIGHWAY CONSTRUCTION.....	\$ 34.88	23.10

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 CARP0042-002 06/01/2015

	Rates	Fringes
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Carpenters:  
 Soft Floor Layers.....\$ 26.36 17.70

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 CARP0276-006 07/01/2022

Rates Fringes

Carpenters:  
 BUILDING CONSTRUCTION.....\$ 31.64 22.85  
 HEAVY & HIGHWAY  
 CONSTRUCTION.....\$ 34.18 25.10

FOOTNOTE:

a. PAID HOLIDAYS - New Year's Day, Memorial Day,  
 Independence Day, Labor Day, Thanksgiving Day and Christmas  
 Day.

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 CARP1163-001 07/01/2014

Rates Fringes

Carpenters:  
 BUILDING CONSTRUCTION  
 Piledrivers.....\$ 29.00 18.89  
 HEAVY & HIGHWAY  
 CONSTRUCTION  
 Piledrivers.....\$ 24.47 13.91  
 Diver (Dry Day).....\$ 26.48 14.36  
 Diver (Wet Day).....\$ 61.25 14.36  
 Diver Tender.....\$ 24.72 16.95  
 Piledrivers.....\$ 29.00 18.89

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 ELEC0086-002 05/29/2023

Rates Fringes

ELECTRICIAN.....\$ 39.30 5.25%+26.01

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 ELEC1249-003 05/01/2023

Rates Fringes

ELECTRICIAN (LINE  
 CONSTRUCTION: LIGHTING AND  
 TRAFFIC SIGNAL Including any  
 and all Fiber Optic Cable  
 necessary for Traffic Signal  
 Systems, Traffic Monitoring  
 systems and Road Weather  
 information systems)  
 Flagman.....\$ 29.59 7%+35.40  
 Groundman (Truck Driver)....\$ 39.46 7%+35.40  
 Groundman Truck Driver  
 (tractor trailer unit).....\$ 41.92 7%+35.40  
 Lineman & Technician.....\$ 49.32 7%+35.40  
 Mechanic.....\$ 39.46 7%+35.40

FOOTNOTE:

a. New Year's Day, Memorial Day, Independence Day, Labor  
 Day, Thanksgiving Day, Christmas Day, plus President's Day,  
 Good Friday, Decoration Day, Election Day for the President  
 of the United States and Election Day for the Governor of



the State of New York, provided the employee works the day before or the day after the holiday.

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 ELEC1249-004 05/01/2023

	Rates	Fringes
ELECTRICIAN (Line Construction)		
Overhead and underground distribution and maintenance work and all overhead and underground transmission line work including any and all fiber optic ground wire, fiber optic shield wire or any other like product by any other name manufactured for the dual purpose of ground fault protection and fiber optic capabilities :		
Flagman.....	\$ 34.44	7%+35.40
Groundman digging machine operator.....	\$ 51.66	7%+35.40
Groundman truck driver (tractor trailer unit)....	\$ 48.79	7%+35.40
Groundman Truck driver....	\$ 45.92	7%+35.40
Lineman and Technician....	\$ 57.40	7%+38.40
Mechanic.....	\$ 45.92	7%+35.40
Substation:		
Cable Splicer.....	\$ 63.14	7%+38.40
Flagman.....	\$ 34.44	7%+35.40
Ground man truck driver....	\$ 45.92	7%+35.40
Groundman digging machine operator.....	\$ 51.66	7%+35.40
Groundman truck driver (tractor trailer unit)....	\$ 48.79	7%+35.40
Lineman & Technician.....	\$ 57.40	7%+38.40
Mechanic.....	\$ 45.92	7%+35.40
Switching structures; railroad catenary installation and maintenance, third rail type underground fluid or gas filled transmission conduit and cable installations (including any and all fiber optic ground product by any other name manufactured for the dual purpose of ground fault protection and fiber optic capabilities), pipetype cable installation and maintenance jobs or projects, and maintenance bonding of rails; Pipetype cable installation		
Cable Splicer.....	\$ 64.59	7%+38.40
Flagman.....	\$ 35.23	7%+35.40
Groundman Digging Machine		

Operator.....	\$ 52.85	7%+35.40
Groundman Truck Driver (tractor-trailer unit).....	\$ 49.91	7%+35.40
Groundman Truck Driver.....	\$ 46.98	7%+35.40
Lineman & Technician.....	\$ 58.72	7%+38.40
Mechanic.....	\$ 46.98	7%+35.40

FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Presidents' Day, Memorial Day, Good Friday, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, and Election Day for the President of the United States and Election Day for the Governor of New York State, provided the employee works two days before or two days after the holiday.

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ELEC1249-008 01/01/2022

	Rates	Fringes
ELECTRICIAN (Line Construction) TELEPHONE, CATV FIBEROPTICS CABLE AND EQUIPMENT		
Cable splicer.....	\$ 36.28	3%+5.14
Groundman.....	\$ 18.25	3%+5.14
Installer Repairman- Teledata Lineman/Technician- Equipment Operator.....	\$ 34.43	3%+5.14
Tree Trimmer.....	\$ 28.25	3%+10.23

a. New Year's Day, President's Day, Good Friday, Decoration Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving, Christmas Day.

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ELEV0027-001 01/01/2024

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 58.98	37.885+a+b

FOOTNOTE:

a. Vacation: 6%/under 5 years based on regular hourly rate for all hours worked. 8%/over 5 years based on regular hourly rate for all hours worked.  
b. PAID HOLIDAYS: New Year's Day; Memorial Day; Independence Day; Labor Day; Veterans' Day; Thanksgiving Day; the Friday after Thanksgiving Day; and Christmas Day.

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\* ENGI0158-032 07/01/2022

	Rates	Fringes
Operating Engineer: EXCAVATING AND PAVING		
GROUP 1.....	\$ 34.62	32.44+a
GROUP 2.....	\$ 34.15	32.44+a
GROUP 3.....	\$ 33.46	32.44+a
GROUP 4.....	\$ 29.27	32.44+a
MASTER MECHANIC.....	\$ 36.62	32.44+a

HEAVY AND HIGHWAY

GROUP 1.....	\$ 47.46	32.90+a
GROUP 2.....	\$ 46.75	32.90+a
GROUP 3.....	\$ 43.89	32.90+a
GROUP 4.....	\$ 51.46	32.90+a
GROUP 5.....	\$ 50.46	32.90+a
GROUP 6.....	\$ 49.46	32.90+a
GROUP 7.....	\$ 48.89	32.90+a

TUNNEL AND SHAFT

GROUP 1.....	\$ 50.19	33.00+a
GROUP 2.....	\$ 48.97	33.00+a
GROUP 3.....	\$ 46.18	33.00+a
GROUP 4.....	\$ 53.19	33.00+a
MASTER MECHANIC.....	\$ 52.60	33.00+a

For EXCAVATION AND PAVING:

FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Christmas Day, regardless of the day of the week on which the holiday may fall, provided the employee works either on the work day immediately preceding the holiday or on the scheduled work day immediately following the holiday.

EXCAVATION AND PAVING CLASSIFICATIONS

GROUP 1: Asphalt paver; automatic fine grader; backhoe (except tractor mounted, rubber tired); blacktop plant (automated); cableway; caisson auger; central mix concrete plant (automated); cherry picker- over 5 ton capacity; crane; cranes and derricks (steel erection); dragline; dual drum paver; front end loader (4 cu. yd. and over); hoist,(Tow or 3 drum); pile driver; power grader with elevation loader attachment; quarry master (or equivalent); shovel; slip form paver; tractor drawn belt-type loader; truck crane tunnel shovel; excavator, all purpose hydraulically operated

GROUP 2: Backhoe (tractor mounted, rubber tired); bituminous spreader and mixer; blacktop plant (non automated); boring machine; cage hoist; central mix plant (non automated) and all concrete batching plants; cherry picker, 5 tons and under; compressor (4 or less) exceeding 2000 CFM combined capacity; concrete paver over 16s; concrete pump; crusher; drill rigs (tractor mounted); front end loader (under 4 cu. yds); hi- pressure boiler (15 lbs and over); hoist (one drum); Kolman plant loader and similar type loaders; maintenance engineer; maintenance grease man; mechanical slurry machine; mixer for stabilized base self propelled; monorail machine; plant engineer; power broom; power grader; pump crete; ready mix concrete plant; road widener; roller (all above sub-grade); side boom; tractor scraper; tractor with dozer and or pusher; trencher; winch

GROUP 3: Compressors (4 not to exceed 2000 CFM combined capacity; or 3 or less with more than 1200 CFM but not to exceed 2000 CFM); compressors (any size but subject to other provisions for compressors); dust collectors; generators; welding machines (4 of any type or combination); concrete pavement spreaders and finishers; conveyor; drill (core); drill (well); electric pump used in conjunction with well point systems; farm tractor with accessories; fine grade machine; fork lift; gunite machine;

hammers-hydraulic-self propelled; locomotive; post hole digger and post driver; pumps (regardless of motive power, not more than 4 in number not to exceed 20" in total capacity); submersible electric pumps when used in lieu of well points, tractor with towed accessories; vibratory compactor; vibro tamp; well point

GROUP 4: Compressor (any size, but subject to other provisions for compressors); dust collectors; generators; welding machines (3 or less of any type or combination); concrete mixer (16s and under), concrete saw-self propelled; fireman; form tamper; mulching machine; power heaterman; pumps regardless of motive power no more than 3 in number not to exceed 12" in total capacity; revinius widener; steam cleaner; tractor

GROUP 5: Master Mechanic

For HEAVY AND HIGHWAY CONSTRUCTION:

FOOTNOTE:

b. PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day provided the employee works the working day before and the working day after the holiday

POWER EQUIPMENT OPERATOR CLASSIFICATIONS (HEAVY/HIGHWAY):

GROUP 1: Asphalt Curb Machine, Self Propelled, Slipform, Automated Concrete Spreader (CMI Type), Automatic Fine Grader, Backhoe (Except Tractor Mounted, Rubber Tired), Backhoe Excavator Full Swing (CAT 212 or similar type), Back Filling Machine, Belt Placer (CMI Type), Blacktop Plant (Automated), Boom truck, Cableway, Caisson Auger, Central Mix Concrete Plant (Automated), Concrete Curb Machine, Self Propelled, Slipform, Concrete Pump, Crane, Cherry Picker, Derricks (steel erection), Dragline, Overhead Crane (Gantry or Straddle type), Pile Driver, Truck Crane, Directional Drilling Machine, Dredge, Dual Drum Paver, Excavator (All Purpose Hydraulically Operated) (Gradall or Similar), Front End Loader ( 4 cu. yd. and Over), Head Tower (Sauerman or Equal), Hoist (Two or Three Drum), Holland Loader, Maintenance Engineer, Mine Hoist, Mucking Machine or Mole Pavement Breaker(SP) Wertgen; PB-4 and similar type, Power Grader, Profiler (over 105 H.P.) Quad 9, Quarry Master (or equivalent), Scraper, Fireman, Fork Lift, Form Tamper, Grout Pump, Gunite Machine, Hammers (Hydraulic self-propelled), Hydra-Spiker, ride-on, Hydraulic Pump (jacking system), Hydro-Blaster (Water), Mulching Machine, Oiler, Parapet Concrete or Pavement, Shovel, Side Boom, Slip Form Paver, Tractor Drawn, BeltType Loader, Truck or Trailer Mounted Log, Chipper (Self Feeder), Tug Operator (Manned Rented Equipment Excluded), Tunnel Shovel

GROUP 2: Asphalt Paver, Backhoe (Tractor Mounted, Rubber Tired), Bituminous Recycler Machine, Bituminous Spreader and Mixer, Blacktop Plant (NonAutomated), Blast or Rotary Drill (Truck or Tractor Mounted), Boring Machine, Cage Hoist, Central Mix Plant (NonAutomated) and All Concrete Batching Plants, Cherry Picker (5 tons capacity and under), Concrete Paver (Over 16S), Crawler Drill, Self-contained, Crusher, Diesel Power Unit, Drill Rigs, Tractor Mounted, Front End Loader (Under 4 cu. yd.), Greaseman/Lubrication

Engineer, HiPressure Boiler (15 lbs. and over), Hoist (One Drum), Hydro-Axe, Kolman Plant Loader and Similar Type Loaders, L.C.M. Work Boat Operator, Locomotive Mixer (for stabilized base selfpropelled), Monorail Machine, Plant Engineer, Profiler (105 H.P. and under), Grinder, Post Hole Digger and Post Driver, Power Broom (towed), Power Heaterman, Power Sweeper, Revinius Widener, Roller (Grade and Fill), Scarifier, ride-on, Shell Winder, Skid steer loader (Bobcat or similar), Span-Saw, ride-on, Steam Cleaner, Pug Mill, Pump Crete Ready Mix Concrete Plant Refrigeration Equipment (for soil stabilization) Road Widener, Roller (all above subgrade), Sea Mule, Self-contained Ride-on Rock Drill, Excluding Air-Track Type Drill, Skidder, Tractor with Dozer and/or Pusher, Trencher. Tugger Hoist, Vermeer saw (ride on, any size or type), Winch, Winch Cat

GROUP 3: A Frame Winch Hoist on Truck , Articulated Heavy Hauler, Aggregate Plant, Asphalt or Concrete Grooving, Machine (ride on), Ballast Regulator, Ride-on Boiler (used in conjunction with production), Bituminous Heater, self-propelled, Boat (powered), Cement and Bin Operator, Compressors, Dust Collectors, Generators, Pumps, Welding Machines, Light Plants, Heaters (hands-off equipment), Concrete Pavement Spreader and Finisher, Concrete Paver or Mixer (16S and under), Concrete Saw (self-propelled), Conveyor, Deck Hand, Directional Drill Machine Locator, Drill, (Core), Drill, (Well,) Farm Tractor with accessories, Fine Grade Machine, Tamper, ride-on, Tie Extractor, ride-on, Tie Handler, ride-on, Tie Inserter, ride-on, Tie Spacer, ride-on, Tire Repair, Track Liner, ride-on, Tractor, Tractor (with towed accessories), Vibratory Compactor, Vibro Tamp, Well Point

GROUP 4: Tower Cranes

GROUP 5: Cranes 50 tons and over

GROUP 6: Cranes 49 tons and below

GROUP 7: Master Mechanic

For TUNNEL AND SHAFT:

FOOTNOTE:

b. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, regardless of the day of the week on which the Holiday may fall, provided the employee works the working day before and the working day after the holiday

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Automated concrete spreader (CMI or equivalent); automated fine grade machine (cmi); backhoe; belt placer (cmi or similar); blacktop spreader (automated); cableway; caisson auger; central mix plant (automated); cherry picker (5 tons); concrete curb machine (self-propelled slipform); concrete pump; crane; crane shaft; crane underground; cranes and derricks (steel erection); dragline; dredge; dual drum paver; excavator (all purpose-hydraulically operated gradall or similar); fork lift (factory rated 15' and over); front end loader (4cu yd and over); head tower

(sauerman or equal); hoist; shaft; hoist (two or three drum); holland loader; maintenance engineer (shaft and tunnel); mine hoist; mining machine (mole and similar types); mucking machine or mose; overhead crane (gantry or straddle type); pile driver; power grader; Quad 9, quarry master (or equivalent); scraper; shovel; side boom; slip form paver; tripper/maintenance engineer (shaft and tunnel); tractor drawn belt-type loader; truck crane; truck or trailer mounted log chipper (self feeder); tug operator (manned rented equipment excluded); tunnel shovel

GROUP 2: Automated central mix concrete plant; backhoe (topside); backhoe (tractor mounted, rubber tired); bituminous spreader and mixer; blacktop plant (non automated); blast or rotary drill (truck or tractor mounted); boring machine; cage hoist; central mix plant (non automated) and all concrete batching plants; cherry picker (5 tons capacity and under); compressors (4 or less exceeding 2000 CFM combined capacity); concrete paver (over 16s); concrete pump; crane (topside); crusher; diesel power unit; drill rigs, tractor mounted; front end loader (under 4 cu. yds); grayco epoxy machine; hi-pressure boiler (15 lbs and over); hoist (one drum); hoist (two or three drum) (topside); kolman plant loader and similar type loaders; L.C.M. work boat operator; locomotive; maintenance engineer (topside); maintenance greaseman; mixer (for stabilized base self-propelled); monorial machine; plant engineer; personnel hoist; pump crete; ready mix concrete plant; refrigeration equipment (from soil stabilization); road widener; roller (all above sub-grade); sea mule; shotcrete machine; shovel (topside); tractor with dozer and/or pusher; trencher; tuggger hoist; tunnel locomotive; welder; winch; winch cat

GROUP 3: ""A"" frame truck; ballast regulator (ride on); compressors (4 not to exceed 2000 cfm combined capacity; or 3 or less with more than 1200 cfm but not to exceed 2000 cfm); compressors (any size but subject to other provisions for compressors; dust collectors; generators; pumps; welding machines; light plants (4 of any type or combination); concrete pavement spreaders and finishers; conveyor; drill (core); drill (well); electric pump used in conjunction with well point system; farm tractor with accessories; fine grade machine; fork lift (under 15 ft); ground pump over 5 cu. ft (manufacturers rating); gunite machine; hammers (hydraulic self propelled); hydra-spiker (ride on); hydra blaster (water); hydra blaster; motorized form carrier; post hole digger and post driver; power sweeper; roller (grade and fill); scarifer (ride on); span saw (ride on); submersible electric pump (when used in lieu of well points); tamper (ride on); tie extractor (ride on); tie handler (ride on); tie inserter (rider on); tie spacer (ride on); track liner (ride on); tractor with towed accessories; vibratory compactor; vibro tamp; well point aggregate plant; boiler (used in conjunction with production); cement and bin operator; compressors (3 or less not to exceed 1200 cfm combined capacity); compressors (any size; but subject to other provisions for compressors); dust collectors; generators; pumps; welding machines; light plants (3 or less of any type or combination); concrete paver or mixer (16s and under); concrete saw (self propelled); fireman; form tamper; greaseman; hydraulic pump (jacking system); junior engineer; light plants; mulching machine; oiler; parapet concrete or pavement grinder; power broom (towed); power

heaterman (when used for production); revinius widener;  
shell winder; steam cleaner; tractor

GROUP 4: Crane, friction or lattice type with boom length 200  
feet and over

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\* ENGI0158-038 07/01/2022

	Rates	Fringes
Power equipment operators:		
BUILDING CONSTRUCTION		
GROUP 1.....	\$ 36.66	32.74+a
GROUP 2.....	\$ 35.86	32.74+a
GROUP 3.....	\$ 33.16	32.74+a
GROUP 4.....	\$ 28.60	32.74+a
GROUP 5.....	\$ 41.16	32.74+a
GROUP 6.....	\$ 43.66	32.74+a
GROUP 7.....	\$ 44.66	32.74+a
GROUP 8.....	\$ 43.66	32.74+a

FOOTNOTE:

a. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day, provided the employee works on the work day immediately preceding the holiday or on the scheduled work day immediately following the holiday.

BUILDING CONSTRUCTION CLASSIFICATIONS

GROUP 1: Air Tugger, All terrain telescoping material handler, Clamshell, Dragline, Shovel and similar machines over three eighths cu.yd. capacity (Fact. rating);Carrier mounted backhoes that swing 360 degrees Big Generator Plant Hoist (on steel erection) Bridge Crane (all types), Cableway, Caisson auger and similar type machine, Crane, Derrick, Dredge, Excavator all purpose hydraulically operated, Forklift (with Factory rating of Fifteen ft. or more of lift),Hoist (on steel erection), Hydraulic/Krupp Drill Type Mucking Machines, Remote controlled excavator with attachments (Brokk type or similar), Ross Carrier (and similar type), Three-Drum Hoist(when all three drums are in use)

GROUP 2: A-Frame Truck, Backfilling Machine, Backhoe -tractor mounted, Barber Green and similar type machines, Belt Crete and similar type machines, Bituminous spreading machine 3/8 yd. capacity or less(Factory Rating), Bulldozer, Carry-all type scraper, Compressors: Four (4) not to exceed 2000 CFM combined capacity; or three (3) or less with more than1200 CFM but not to exceed 2000 CFM, Concrete Mixer, Concrete Placer, Concrete Pump, Dinky Locomotives (all types), Elevating Grader, Elevator Fine Grade and Finish, Rollers, Fine Grade Machines(all kinds), Forklift with Factory rating of less than fifteen(15) feet of lift, Front End Loader, Gunite Pumping Machine, High Pressure Boiler, Hoist (1 or 2 drums), Maintenance Engineer (Mechanic), Mechanical Slurry Machine (all kinds), Mega Mixers and similar type machines, Motor Grader, Post Hole Digger, Pumps (regardless of motive power) no more than four (4) in number not to exceed twenty (20) inches in total capacity, Shot Crete Pumping Machine, Side Boom Tractor, Skid Steer Loader with

Attachments, Stone Crusher Tournadozer and similar types  
 Tournapull and similar types, Trenching Machines, Well  
 Drill, WellPoint System EXCEPTION: Single electric pumps up  
 to and including four (4) inches need not be manned.

GROUP 3: Any combination (Not to exceed three (3) pieces of  
 equipment) Compressors three (3) or less, or not to exceed  
 1200 CFM combined capacity, Fireman, Longitudinal Float,  
 Mechanical Heater Pumps (regardless of motive power) No  
 more than three (3) in number, not to exceed twelve (12)  
 inches total capacity, Roller (Fill and Grade)Rubber Tired  
 Tractor Welding Machine or Mechanical Conveyor (over 12ft.  
 in length) EXCEPTION: Single gasoline driven welding  
 machine up to 300amps need not be manned.

GROUP 4: Oilers

GROUP 5: Cranes up to and including 25 tons

GROUP 6: Cranes 25-250 tons

GROUP 7: Cranes 251 and over tons

GROUP 8: Tower Cranes

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 IRON0033-001 07/01/2023

	Rates	Fringes
Ironworkers:		
Ornamental, Reinforcing		
Stone Derrickman, Rigger,		
Rodman, Structural		
Machinery Movers Fence		
Erectors, Precast Concrete		
Erector.....	\$ 32.00	31.02
Sheeter.....	\$ 32.25	31.02

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 LAB00435-002 07/01/2018

	Rates	Fringes
Tunnel and Shaft Laborers:		
Change House Man.....	\$ 31.04	18.62
Hazardous Waste.....	\$ 35.24	18.62
Tugger, Miner.....	\$ 31.24	18.62

FOOTNOTES:

a. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence  
 Day, Labor Day, Thanksgiving Day and Christmas Day,  
 provided the employee has worked the working day before and  
 the working day after the holiday.

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 \* LAB00435-003 07/01/2023

	Rates	Fringes
Laborers:		
BUILDING:		
Asbestos removal.....	\$ 30.07	21.49
Blaster.....	\$ 30.40	21.49
Chuck tender.....	\$ 29.27	21.49



Concrete vibrators.....	\$ 29.51	21.49
Drillers and asphalt raker..	\$ 29.47	21.49
Jack hammer, mortar mixers..	\$ 29.37	21.49
Pipe layers, burners and cutters.....	\$ 29.37	21.49
Powder Monkey.....	\$ 29.94	21.49
Unskilled laborer.....	\$ 29.07	21.49
Yardman, clean-up.....	\$ 26.22	21.49
HEAVY AND HIGHWAY:		
GROUP 1.....	\$ 31.46	23.75
GROUP 2.....	\$ 32.16	23.75
GROUP 3.....	\$ 32.36	23.75
GROUP 4.....	\$ 33.19	23.75
GROUP 5.....	\$ 33.91	23.75

FOOTNOTES:

a. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, provided the employee has worked the working day before and the working day after the holiday.

HEAVY AND HIGHWAY LABORER CLASSIFICATIONS

GROUP 1: Flaggers

GROUP 2: Laborers

GROUP 3: Rakers, drillers, pipelayers and torch operators

GROUP 4: Blasters

GROUP 5: Hazardous waste removal.

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\* PAIN0004-028 05/01/2023

	Rates	Fringes
Painters:		
BUILDING CONSTRUCTION		
Brush & Roll.....	\$ 26.32	24.93
Drywall Taper.....	\$ 26.32	24.93
Sandblasting.....	\$ 27.07	24.93
Spray.....	\$ 26.92	24.93
Wallcovering.....	\$ 26.62	24.93
HEAVY & HIGHWAY CONSTRUCTION:		
Bridge Work.....	\$ 41.06	29.59

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PAIN0677-001 05/01/2023

	Rates	Fringes
GLAZIER.....	\$ 28.05	27.95

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PLUM0013-001 05/02/2023

	Rates	Fringes
Plumber and Steamfitter.....	\$ 37.38	26.03

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ROOF0022-001 06/25/2021

Rates	Fringes
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ROOFER.....\$ 31.25 22.35

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SFNY0669-001 01/01/2024

Rates Fringes

SPRINKLER FITTER.....\$ 42.73 27.05

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SHEE0046-001 05/01/2023

Rates Fringes

Sheet metal worker.....\$ 36.07 28.71

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TEAM0118-003 07/01/2023

Rates Fringes

Truck drivers:

GROUP 1.....\$ 26.78 26.37+a  
GROUP 2.....\$ 26.83 26.37+a  
GROUP 3.....\$ 26.88 26.37+a  
GROUP 4.....\$ 27.03 26.37+a  
GROUP 5.....\$ 27.18 26.37+a

Hazardous Waste Site Work receives an additional \$1.50 per hour

FOOTNOTE: a. Paid Holidays: New Years Day; Memorial Day; Independence Day; Laobr Day; Thanksgiving Day; Christmas Day

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Pick-ups; panel trucks; flatboy materials trucks (straight jobs); single axle dump trucks; dumpsters; receivers; greasers; truck tireman.

GROUP 2: Tandems; batch truck; mechanics.

GROUP 3: Semi-trailers; low-boy trucks; asphalt distributor trucks; agitator; mixer trucks and dumpcrete type vehicles; truck mechanic; fuel truck.

GROUP 4: Specialized earth moving equipment - euclid type or similar off-highway equipment, where not self-loaded; straddle (Ross) carrier; self-contained concrete unit.

GROUP 5: Off-highway tandem back dump; twin engine equipment; double-hitched equipment shere not self-loaded.

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their

own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage

payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"