

**Town of Milton
Milton, Massachusetts**

INVITATION FOR BIDS

FOR

**Milton Town Lock-Up
Window Replacement**

September 17, 2025

BIDS DUE:

October 8, 2025, 11:00 A.M. LOCAL TIME

Late BIDS Will Be Rejected

DELIVER COMPLETED BIDS TO:

Town of Milton
Select Board Office
Milton Town Hall
525 Canton Ave
Milton, MA 02186

Section 1. Instructions to Bidders and Bid Requirements.

The Town of Milton, Massachusetts, Milton Town Hall, 525 Canton Ave, Milton, MA 02186, acting through the Milton Select Board (hereinafter “the Town of Milton” or “the Town”), invites the submission of sealed bids for the Milton Town Lock-Up Window Replacement Project.

Written BIDS shall be received by 11:00 am on October 8, 2025. local time, at this address:

Select Board Office
Milton Town Hall
525 Canton Ave
Milton, MA 02186

Each Bidder’s name, address and contact phone number shall be clearly visible from the outside of each sealed envelope. The clock in the Select Board Office shall be considered official. No late BIDS shall be accepted. No faxed BIDS shall be accepted. Conditional BIDS will not be accepted. If the Milton Select Board Office is closed due to weather or other emergency, the deadline for receipt of BIDS will be extended to the time posted above on the next business day upon which the Milton Select Board Office is open.

Each Bid shall be submitted in accordance with the Submission Requirements in order to be considered for award. Any Bid submitted shall be binding for thirty (30) days subsequent to the time of the opening of BIDS.

The Town **will not** reimburse Bidders for any costs incurred in preparing BIDS in Bid to this IFB.

Submission of a Bid shall be conclusive evidence that the Bidder has examined this IFB and is familiar with all the conditions of any contract awarded by the Town. Upon finding any omissions or discrepancy in this IFB, each Bidder shall notify the Town immediately so that any necessary addenda may be issued. Failure of a Bidder to investigate completely the IFB and/or to be thoroughly familiar with this IFB shall in no way relieve any such Bidder from any obligation with respect to the Bid.

By submission of a Bid, the Bidder agrees that if its Bid is accepted, then it shall enter into a Contract with the Town which incorporates all of the requirements of this IFB. By submission of a Bid, the Bidder further indicates acceptance of all terms and conditions of this IFB.

Changes, modifications or withdrawal of BIDS shall be submitted in writing to the Procurement Officer prior to the deadline and shall be contained in a sealed envelope clearly marked, as appropriate, “CORRECTION, MODIFICATION OR WITHDRAWAL OF WRITTEN BID FOR (PROJECT).” No corrections, modifications, or withdrawal of BIDS shall be permitted after BIDS have been opened.

M.G.L. c. 149, §44A, which is incorporated herein by reference, shall govern all procedures.

Prevailing wage rates as determined by the Commissioner of the Massachusetts Department of Labor and Workforce Development under the provisions of the Massachusetts General Laws, Chapter 149, Sections 26 to 27G, as amended, apply to this work. It is the responsibility of the Bidder, before Bid submission, to request, if necessary, any additional information on Minimum Wage Rates for those trades people who may be employed for the proposed work under any such Contract awarded.

For further information, please refer to the succeeding sections, with which each Bidder shall comply in submitting a Bid.

Section 2. Questions and Site Visit

An optional site visit will be held on September 30, 2025 at 10:00 am at the project site. Interested bidders are welcome to view the exterior of the building at their convenience.

Questions, if any, concerning this IFB or its conditions shall be addressed to:

Nicholas Milano
Town Administrator
nmilano@miltonma.gov

Questions regarding this IFB shall be submitted in writing and shall be delivered by 2:00 pm on October 1, 2025. Questions presented after this time shall not be considered. No question shall be considered which is not submitted in writing. Any questions requiring consideration shall be answered in an addendum delivered to all Bidders.

Section 3. Background & Specifications & Drawings

A. Scope of Work

The Town invites the submission of sealed bids for the Milton Town Lock-Up Window Replacement Project. Specifications are enclosed as Appendix 11. All work shall comply with the Secretary of the Interior's requirements for Historical Preservation.

B. Successful Bidder's Personnel

The Successful Bidder's personnel shall be adequately trained by the Successful Bidder, shall be experienced in the provision of services specified in this IFB, and shall be of good moral character. All of the Successful Bidder's employees assigned to the sites shall pass pre-employment criminal background screening.

The Successful Bidder shall provide the Town with the following information:

1. Name, business address, telephone and phone numbers of the president and foreman.
2. Name, address, and telephone number of all employees assigned to the sites. The Successful Bidder will update this list whenever there is a change in personnel.

The Successful Bidder shall provide services as an independent contractor with the Town of Milton and the Successful Bidder and his/her/its employees shall not be entitled to receive any benefits of employment with the Town of Milton, including without limitation salary, overtime, vacation pay, holiday pay, health insurance, life insurance, pension or deferred compensation.

Section 4. Bid Submission Requirements

Each Bidder shall submit the following with his/her/its Bid:

1. A fully executed and completed Bid Form (Appendix 1) (which shall include certification of the following:
 - A. Bidder is an established business with a minimum of five (5) years of experience in window replacement. Bidder shall attach to the Bid Form a short statement of the status of the business, the year of incorporation/commencement, a list of any name changes, and a list of any lawsuits pending against Bidder.
 - B. Bidder holds all applicable State and Federal permits, licenses and approvals. (Bidder shall attach to the Bid Form copies of all applicable State and Federal permits, licenses, and approvals.)
 - C. Bidder provides a Town approved Foreman, who shall be present at the work site at all times unless otherwise agreed to in writing by the Town.
 - D. Bidder provides supervision of all workers performing under all Contracts held and pledges to provide such supervision under any Contract with the Town.
 - E. Bidder holds all applicable documentation and Insurance in accordance with this IFB. (Bidder shall attach to the Bid Form copies of relevant insurance certificates hereto. Nothing in this provision, however, shall eliminate the requirement that the Bidder, if chosen as the Successful Bidder, shall submit to the Town endorsements or riders in compliance with Section 8 of the Contract.)
 - F. Bidder shall attach to the Bid Form contact information for all clients over the last five (5) years as well as all current Contracts (contact person, address and telephone number). Bidder shall also provide a list of at least

six (6) successfully completed jobs in such time, giving the name and address of these projects.

- G. Bidder has not defaulted on any Contract within the last five (5) years.
- H. Bidder possesses the skill, ability and integrity necessary for the faithful performance of the work.

2. A fully executed and completed Certificate of Non-Collusion. (Appendix 2)
3. A fully executed and completed Certificate of Tax Compliance. (M.G.L. c.62C, §49A) (Appendix 3)
4. A fully executed and completed Conflict of Interest Certification. (M.G.L. c.268A) (Appendix 4)
5. A fully executed and completed Certificate of Corporate Bidder, if applicable. (Appendix 5)
8. A full executed and completed Certificate of Non-Debarment. (Appendix 6)
9. A certificate of insurability from an insurance company that is licensed to do business in the Commonwealth of Massachusetts indicating that all the provisions of the specifications can be met.

Section 5. Selection Criteria

The contract shall be awarded, if at all, to the lowest responsible and eligible general bidder. In order to be considered a responsible and eligible Bidder, a Bidder shall comply with the Bid Submission Requirements set forth in Section 4 above. In order to be considered responsible, the Bidder shall be able to demonstrate a minimum of five years' experience in window replacement projects. The Bidder shall provide project references as specified in the Bid Form. The Town shall review project references prior to making its award.

Section 6. Bid Submission

Written BIDS shall be received by 11:00 am, local time, on October 8, 2025, at this address:

Select Board Office
Milton Town Hall
525 Canton Ave
Milton, MA 02186

Each Bidder's name, address and contact phone number shall be clearly visible from the outside of each sealed envelope. The clock in the Select Board Office shall be considered official. No late BIDS shall be accepted. No faxed BIDS shall be accepted. Conditional BIDS will not be accepted. If the Milton Procurement Office is closed due to weather or other emergency, the deadline for receipt of BIDS will be extended to the time posted above on the next business day upon which the Milton Select Board Office is open.

Each Bid shall be submitted in accordance with the Bid Submission Requirements in order to be considered for award. Any Bid submitted shall be binding for thirty (30) days subsequent to the time of the opening of BIDS.

Section 7. Selection Process and Award

BIDS submitted to the Town will be reviewed by the Town Administrator to determine compliance with the foregoing Bid Submission Requirements and this IFB.

The Town shall award, within thirty (30) days of the opening of sealed BIDS, one (1) Contract, if at all, to the responsible and eligible Bidder offering to perform the work at the lowest price. The award of any Contract pursuant to this IFB shall be subject to appropriation by Milton Town Meeting. Nothing in this IFB will compel the Town to award a Contract. The Town may cancel this IFB, may waive, to the extent allowed by law, any informalities, and may reject any and all BIDS, if the Town, in its sole discretion, determines said action to be in the best interest of the Town of Milton. The Town may reject as non-responsive any Bid that fails to satisfy any of the Bid Submission Requirements.)

No person or firm debarred, suspended, or otherwise prohibited from practice by any federal, state, or local agency shall be awarded a Contract.

The Successful Bidder shall, within ten (10) calendar days after notification of contract award by the Town, execute a Contract in accordance with the terms of this IFB, in the form of the attached Contract.

The Successful Bidder who enters into a Contract with the Town shall be responsible for obtaining, at his/her/its own expense, all appropriate federal, state and local permits, licenses and approvals.

The Town may terminate any such Contract upon written notice to the Contractor if a source of money to fund the Contract is lost during the Contract term. In the alternative, the parties may agree in writing to amend any such Contract to provide for a Contract price which represents a reduced appropriation for the Contract term.

Section 8. Compliance with Laws

The Successful Bidder shall comply with all provisions of Federal, Massachusetts and Town of Milton law applicable to his work including, without limitation, statutes, by-laws, rules,

regulations, orders and directives, as amended, and including, without limitation, the Williams-Steiger Occupational Safety and Health Act of 1970, as amended, and related regulations, as amended, in effect throughout the term of this Contract and any extension or renewal thereof. Without limitation, the Successful Bidder shall comply with the provisions of Chapter 149, Section 26 to 27D of the Massachusetts General Laws, as amended, and the applicable minimum wage rates as determined by the Massachusetts Commissioner of Labor and Industries. This Contract shall be considered to include in their entirety all terms respecting workers' compensation insurance and other terms required to be included in it by Chapter 152 of the Massachusetts General Laws, as amended, and applicable provisions of any other laws, including, without limitation, Chapter 30, Sections 39F, 39G, 39K, 39L, 39M, 39N, 39O, 39P, and 39R of the Massachusetts General Laws, as amended, and Chapter 149, Sections 34, 34A, and 34B of the Massachusetts General Laws, as amended, and Chapter 82, Section 40 of the Massachusetts General Laws, as amended, as though such terms were set forth in their entirety herein.

Section 9. Insurance

The Successful Bidder shall keep in force throughout the term of the Contract and any extension or renewal thereof the amount of insurance described in the Contract which is a part of this IFB and is incorporated herein by reference. Without limitation of other requirements of this IFB, no Contract shall be entered into by the parties unless the Successful Bidder complies with all applicable insurance requirements, including, without limitation, the required language mandating that the Town of Milton shall be named as an additional insured on the required policies of commercial general liability insurance, automobile liability insurance, and excess liability insurance, umbrella form.

Section 10. Indemnification

The Successful Bidder shall assume the indemnification responsibilities described in the Contract which is a part of this IFB and is incorporated herein by reference.

Section 11. Performance Bond Requirements

[Deleted]

Section 12. Labor and Materials Payment Bond Requirements

[Deleted]

Section 13. Use of Alcohol and Controlled Substances Prohibited

The use of alcoholic beverages, narcotics, and mood altering substances, except for current valid, legal prescriptions, by any officer, employee, agent, or representative of the Successful Bidder is prohibited on Town of Milton property which is the subject matter of this IFB and during all hours of work under any Contract with the Town. If any officer, employee, agent, or representative of the Successful Bidder violates the foregoing provision, the Town of Milton shall have the right to order that such officer, employee, agent, or representative of the

Successful Bidder shall not be permitted to return to work under any Contract with the Town. Under such circumstances, the Successful Bidder shall promptly remove the subject officer, employee, agent, or representative from the job site and shall not permit the subject officer, employee, agent, or representative to perform further work in conjunction with any Contract with the Town.

Section 14. No Smoking

Pursuant to Massachusetts General Laws (M.G.L.) c. 270, §22, the Commonwealth of Massachusetts Smokefree Workplace Law, the Successful Bidder, his/her/its officers, employees, agents, and representatives shall refrain from smoking and from using tobacco products in any public building in the Town of Milton.

Section 15. Criminal Background Screening

For each employee of the Successful Bidder who is performing services under any Contract, the Successful Bidder shall, subject to his/her/its confidentiality and privacy obligations owing to his/her/its employees and third parties, provide a written confirmation to the Town that such employee passed the Successful Bidder's pre-employment criminal background screen. In the event that any employee refuses to permit the Successful Bidder to provide such information to the Town, the Successful Bidder shall not assign such employee to perform services for the Town, and such employee shall not be authorized to perform services for the Town. The Town shall be permitted to keep such information in its files.

Section 16. Appendices and Attachments

Appendices

1. Bid Form
2. Certificate of Non-Collusion
3. Certificate of Tax Compliance (M.G.L. c.62C, §49A)
4. Conflict of Interest Certification (M.G.L. c.268A)
5. Certificate of Corporate Bidder
6. Certificate of Non-Debarment
7. Prevailing Wage Rates
8. Form of Contract

APPENDIX 1
TOWN OF MILTON
BID FORM

The undersigned hereby submits a Bid for Milton Lock-Up Window Replacement.

Printed Name of Bidder:

Address:

The Bidder hereby pledges to deliver the complete scope of goods required, for the price shown below:

TOTAL PRICE IN WORDS _____

TOTAL PRICE IN NUMBERS _____

Bid Deposit (5% of the value of the total bid) enclosed:

Addenda Reviewed and Acknowledged: _____

In accordance with Massachusetts General Laws, a bid deposit in the amount of 5% of the total bid is a statutory requirement.

A. Bidder is an established business with a minimum of five (5) years of experience in window replacement. (Bidder shall attach to the Bid Form a short statement of the status of the business, the year of

incorporation/commencement, a list of any name changes, and a list of any lawsuits pending against Bidder.)

- B. Bidder holds all applicable State and Federal permits, licenses and approvals. (Bidder shall attach to the Bid Form copies of all applicable State and Federal permits, licenses, and approvals.)
- C. Bidder provides a Town approved Foreman, who shall be present at the work site at all times, unless the Town approves otherwise in writing.
- D. Bidder provides supervision of all workers performing under all Contracts held and pledges to provide such supervision under any Contract with the Town.
- E. Bidder holds all applicable documentation and Insurance in accordance with this IFB. (Bidder shall attach to the Bid Form copies of relevant insurance certificates hereto. Nothing in this provision, however, shall eliminate the requirement that the Bidder, if chosen as the Successful Bidder, shall submit to the Town endorsements or riders in compliance with Section 8 of the Contract.)
- F. Bidder has not defaulted on any Contract within the last five (5) years.
- G. Bidder possesses the skill, ability and integrity necessary for the faithful performance of the work.

The Bidder understands that the Town shall award, within thirty (30) days of the opening of sealed BIDS, one (1) Contract, if at all, to the responsible and eligible Bidder offering to perform the work at the lowest price.

The undersigned certifies under the penalties of perjury that this Bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth of Massachusetts under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

The Bidder agrees that all Bid specifications and Contract specifications are hereto made part of any Contract executed with the Town and are binding on the Successful Bidder.

Authorized Signature

Printed Name

Printed Title

Date

If a Corporation:

Full Legal Name

Officers of Corporation and Addresses

State of Incorporation _____

Principal Place of Business _____

Telephone Number. _____

Qualified in Massachusetts Yes _____ No _____

Principal Place of Business in Massachusetts

Telephone Number _____

Full Legal Name of Surety Company

Principal Place of Business of Surety Company

Telephone Number _____

Admitted in Massachusetts Yes _____ No _____

Place of Business in Massachusetts

Telephone Number _____

Project References:

Bidder shall attach to the Bid Form contact information for all clients over the last five (5) years as well as all current Contracts (contact person, address and telephone number). Bidder shall also provide a list of at least six (6) successfully completed jobs in such time, giving the name and address of these projects.

Project Name

Address

Contact Name, Phone, and/or email

Appendix 2
CERTIFICATE OF NON-COLLUSION

The undersigned certifies, under penalties of perjury, that this Bid has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club or other organization, entity, or group of individuals.

Name of Bidder

Address of Bidder

Telephone Number

By: _____
(Signature)

Printed Name

Printed Title

Date

Appendix 3
CERTIFICATE OF TAX COMPLIANCE

Pursuant to Massachusetts General Laws (M.G.L.) c.62C,§49A, I certify under the penalties of perjury that the Bidder named below has complied with all laws of the Commonwealth of Massachusetts pertaining to the payment of taxes, to the reporting of employees and contractors, and to the withholding and remitting of child support.

Name of Bidder

Address of Bidder

Telephone Number

By: _____
(Signature)

Printed Name

Printed Title

Date

Appendix 4

CONFLICT OF INTEREST CERTIFICATION

The Bidder hereby certifies that:

1. The Bidder has not given, offered, or agreed to give any gift, contribution, or offer of employment as an inducement for, or in connection with, the award of a Contract pursuant to this Invitation for BIDS.
2. No consultant to, or subcontractor for, the Bidder has given, offered, or agreed to give any gift, contribution, or offer of employment to the Bidder, or to any other person, corporation, or entity as an inducement for, or in connection with, the award to the consultant or subcontractor of a Contract by the Bidder.
3. No person, corporation, or other entity, other than a bona fide full time employee of the Bidder has been retained or hired to solicit for or in any way assist the Bidder in obtaining the Contract (pursuant to this IFB) upon an agreement or understanding that such person, corporation or entity be paid a fee or other compensation contingent upon the award of a Contract to the Bidder.
4. The Bidder understands that the Massachusetts Conflict of Interest Law, Chapter 268A of the Massachusetts General Laws, applies to the Bidder with respect to the transaction outlined in the IFB.
5. The Bidder understands that the Bidder, his/her/its officers, employees, agents, subcontractors, and affiliated entities, shall not participate in any activity which constitutes a violation of the Massachusetts Conflict of Interest Law or which creates an appearance of a violation of the Massachusetts Conflict of Interest Law.

Name of Bidder

Address of Bidder

Telephone Number

By: _____
(Signature)

Printed Name

Printed Title

Date

Appendix 5
CERTIFICATE OF CORPORATE BIDDER

I, _____, certify that I am the Clerk of the Corporation named as Bidder in the attached Bid Form; that _____, who signed said Bid on behalf of the Bidder was then _____ of said Corporation and was duly authorized to sign said Bid Form; and that I know his/her signature thereto is genuine.

(Corporate Seal)

Name of Bidder

Address of Bidder

Telephone Number

By: _____
(Signature)

Printed Name

Printed Title

Date

This Certificate shall be completed where Bidder is a Corporation and shall be so completed by its Clerk. In the event that the Clerk is the person signing the Bidder on behalf of the Corporation, this Certificate shall be completed by another officer of the Corporation.

Appendix 6
CERTIFICATE OF NON-DEBARMENT

The Bidder hereby certifies that it is presently not debarred, suspended, or otherwise prohibited from practice by any federal, state, or local agency, and that, should any proceeding arise in which it is debarred, suspended, or otherwise prohibited from practice by any federal, state, or local agency, the Bidder shall inform the Town of Milton within one (1) business day of such debarment, suspension, or prohibition from practice.

Name of Bidder

Address of Bidder

Telephone Number

By: _____
(Signature)

Printed Name

Printed Title

Date

Appendix 7
PREVAILING WAGE RATES

See attached document.



THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS
Prevailing Wage Rates

MAURA HEALY
Governor
KIM DRISCOLL
Lt. Governor

**As determined by the Director under the provisions of the
Massachusetts General Laws, Chapter 149, Sections 26 to 27H**

LAUREN JONES
Secretary
MICHAEL FLANAGAN
Director

Awarding Authority: Town of Milton **City/Town:** MILTON
Contract Number:
Description of Work: Selective demo, flashing, sealant, and installation of replacement windows as part of a historical preservation project at the Milton Lock Up building.
Job Location: 25 Wharf Street, Milton, MA 02186

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- The wage rates will remain in effect for the duration of the project, except in the case of multi-year public construction projects. For construction projects lasting longer than one year, awarding authorities must request an updated wage schedule no later than two weeks before the anniversary of the date the contract was executed by the awarding authority and the general contractor. For multi-year CM AT RISK projects, the awarding authority must request an annual update no later than two weeks before the anniversary date, determined as the earlier of: (a) the execution date of the GMP Amendment, or (b) the execution date of the first amendment to permit procurement of construction services. The updated wage schedule must be provided to all contractors, including general and sub-contractors, working on the construction project.
- This annual update requirement is generally not applicable to 27F “rental of equipment” contracts. For such contracts, the prevailing wage rates issued by DLS shall remain in effect for the duration of the contract term. However, if the prevailing wage rate sheet issued does not contain wage rates for each year covered by the contract term, the Awarding Authority must request updated rate sheets from DLS and provide them to the contractor to ensure the correct rates are being paid throughout the duration of the contract. Additionally, if an Awarding Authority exercises an option to renew or extend the contract term, they must request updated rate sheets from DLS and provide them to the contractor.
- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the “Wage Request Number” on all pages of this schedule.
- An Awarding Authority must request an updated wage schedule if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L. c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L. c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or a sub-contractor.
- Apprentices working on the project are required to be registered with the Massachusetts Division of Apprentice Standards (DAS). Apprentices must keep their apprentice identification card on their persons during all work hours on the project. An apprentice registered with DAS may be paid the lower apprentice wage rate at the applicable step as provided on the prevailing wage schedule. **Any apprentice not registered with DAS regardless of whether they are registered with another federal, state, local, or private agency must be paid the journeyworker's rate.**
- Every contractor or subcontractor working on the construction project must submit weekly payroll reports and a Statement of Compliance directly to the awarding authority by mail or email and keep them on file for three years. Each weekly payroll report must contain: the employee's name, address, occupational classification, hours worked, and wages paid. Do not submit weekly payroll reports to DLS. For a sample payroll reporting form go to <http://www.mass.gov/dols/pw>.
- Contractors with questions about the wage rates or classifications included on the wage schedule have an affirmative obligation to inquire with DLS at (617) 626-6953.
- Contractors must obtain the wage schedules from awarding authorities. Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and criminal penalties.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may file a complaint with the Fair Labor Division of the office of the Attorney General at (617) 727-3465.

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
(2 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10 TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	8/1/2025	\$42.05	\$15.41	\$20.17	\$0.00	\$0.00	\$77.63
	12/1/2025	\$42.05	\$15.41	\$21.78	\$0.00	\$0.00	\$79.24
	6/1/2026	\$43.05	\$15.41	\$21.78	\$0.00	\$0.00	\$80.24
	8/1/2026	\$43.05	\$15.91	\$21.78	\$0.00	\$0.00	\$80.74
	12/1/2026	\$43.05	\$15.91	\$23.52	\$0.00	\$0.00	\$82.48
(3 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10 TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	8/1/2025	\$41.12	\$15.41	\$20.17	\$0.00	\$0.00	\$76.70
	12/1/2025	\$41.12	\$15.41	\$21.78	\$0.00	\$0.00	\$78.31
	6/1/2026	\$43.12	\$15.41	\$21.78	\$0.00	\$0.00	\$80.31
	8/1/2026	\$43.12	\$15.91	\$21.78	\$0.00	\$0.00	\$80.81
	12/1/2026	\$43.12	\$15.91	\$23.52	\$0.00	\$0.00	\$82.55
(4 & 5 AXLE) DRIVER - EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10 TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	8/1/2025	\$42.24	\$15.41	\$20.17	\$0.00	\$0.00	\$77.82
	12/1/2025	\$42.24	\$15.41	\$21.78	\$0.00	\$0.00	\$79.43
	6/1/2026	\$43.24	\$15.41	\$21.78	\$0.00	\$0.00	\$80.43
	8/1/2026	\$43.24	\$15.91	\$21.78	\$0.00	\$0.00	\$80.93
	12/1/2026	\$43.24	\$15.91	\$23.52	\$0.00	\$0.00	\$82.67
ADS/SUBMERSIBLE PILOT PILE DRIVER LOCAL 56 PILE DRIVER LOCAL 56 (ZONE 1)	1/1/2024	\$117.16	\$10.08	\$11.62	\$12.67	\$0.00	\$151.53
For apprentice rates see "Apprentice- PILE DRIVER"							
AIR TRACK OPERATOR LABORERS LABORERS - ZONE 1	6/1/2025	\$48.35	\$9.90	\$9.25	\$9.65	\$0.00	\$77.15
	12/1/2025	\$49.85	\$9.90	\$9.25	\$9.65	\$0.00	\$78.65
	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.90	\$9.90	\$9.25	\$9.65	\$0.00	\$81.70
	6/1/2027	\$54.50	\$9.90	\$9.25	\$9.65	\$0.00	\$83.30
	12/1/2027	\$56.10	\$9.90	\$9.25	\$9.65	\$0.00	\$84.90
	6/1/2028	\$57.78	\$9.90	\$9.25	\$9.65	\$0.00	\$86.58
	12/1/2028	\$59.45	\$9.90	\$9.25	\$9.65	\$0.00	\$88.25
For apprentice rates see "Apprentice- LABORER"							
AIR TRACK OPERATOR (HEAVY & HIGHWAY) LABORERS LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2025	\$48.45	\$9.90	\$9.25	\$9.65	\$0.00	\$77.25
	12/1/2025	\$49.95	\$9.90	\$9.25	\$9.65	\$0.00	\$78.75
	6/1/2026	\$51.50	\$9.90	\$9.25	\$9.65	\$0.00	\$80.30
	12/1/2026	\$53.00	\$9.90	\$9.25	\$9.65	\$0.00	\$81.80
	For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"						
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. HEAT & FROST INSULATORS LOCAL 6 HEAT & FROST INSULATORS LOCAL 6 (BOSTON)	6/1/2025	\$43.80	\$14.50	\$4.30	\$6.75	\$0.00	\$69.35
	12/1/2025	\$44.80	\$14.50	\$4.30	\$6.75	\$0.00	\$70.35
ASPHALT RAKER LABORERS LABORERS - ZONE 1	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
ASPHALT RAKER (HEAVY & HIGHWAY)	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
LABORERS	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
BACKHOE/FRONT-END LOADER	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
BARCO-TYPE JUMPING TAMPER	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
BLOCK PAVER, RAMMER / CURB SETTER	6/1/2025	\$48.35	\$9.90	\$9.25	\$9.65	\$0.00	\$77.15
LABORERS	12/1/2025	\$49.85	\$9.90	\$9.25	\$9.65	\$0.00	\$78.65
LABORERS - ZONE 1	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.90	\$9.90	\$9.25	\$9.65	\$0.00	\$81.70
	6/1/2027	\$54.50	\$9.90	\$9.25	\$9.65	\$0.00	\$83.30
	12/1/2027	\$56.10	\$9.90	\$9.25	\$9.65	\$0.00	\$84.90
	6/1/2028	\$57.78	\$9.90	\$9.25	\$9.65	\$0.00	\$86.58
	12/1/2028	\$59.45	\$9.90	\$9.25	\$9.65	\$0.00	\$88.25
For apprentice rates see "Apprentice- LABORER"							
BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY)	6/1/2025	\$48.45	\$9.90	\$9.25	\$9.65	\$0.00	\$77.25
LABORERS	12/1/2025	\$49.95	\$9.90	\$9.25	\$9.65	\$0.00	\$78.75
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$51.50	\$9.90	\$9.25	\$9.65	\$0.00	\$80.30
	12/1/2026	\$53.00	\$9.90	\$9.25	\$9.65	\$0.00	\$81.80
For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"							
BOILER MAKER	1/1/2024	\$48.12	\$7.07	\$14.60	\$6.00	\$0.00	\$75.79
BOILERMAKERS LOCAL 29							
BOILERMAKERS LOCAL 29							

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: BOILER MAKER							
Effective Date: 1/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	65.00	\$31.28	\$7.07	\$9.32	\$3.90	\$0.00	\$51.57
2	65.00	\$31.28	\$7.07	\$9.32	\$3.90	\$0.00	\$51.57
3	70.00	\$33.68	\$7.07	\$10.03	\$4.20	\$0.00	\$54.98
4	75.00	\$36.09	\$7.07	\$10.74	\$4.50	\$0.00	\$58.40
5	80.00	\$38.50	\$7.07	\$11.45	\$4.80	\$0.00	\$61.82
6	85.00	\$40.90	\$7.07	\$12.18	\$5.10	\$0.00	\$65.25
7	90.00	\$43.31	\$7.07	\$12.88	\$5.40	\$0.00	\$68.66
8	95.00	\$45.71	\$7.07	\$13.62	\$5.70	\$0.00	\$72.10
Apprentice to Journeyworker Ratio: 1:4							
BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	8/1/2025	\$67.95	\$11.49	\$15.57	\$8.02	\$0.00	\$103.03
BRICKLAYERS LOCAL 3	2/1/2026	\$69.30	\$11.49	\$15.57	\$8.02	\$0.00	\$104.38
BRICKLAYERS LOCAL 3 (BOSTON)	8/1/2026	\$71.50	\$11.49	\$15.57	\$8.02	\$0.00	\$106.58
	2/1/2027	\$72.90	\$11.49	\$15.57	\$8.02	\$0.00	\$107.98
Apprentice: BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)							
Effective Date: 8/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$33.98	\$11.49	\$15.57	\$8.02	\$0.00	\$69.06
2	60.00	\$40.77	\$11.49	\$15.57	\$8.02	\$0.00	\$75.85
3	70.00	\$47.57	\$11.49	\$15.57	\$8.02	\$0.00	\$82.65
4	80.00	\$54.36	\$11.49	\$15.57	\$8.02	\$0.00	\$89.44
5	90.00	\$61.16	\$11.49	\$15.57	\$8.02	\$0.00	\$96.24
Apprentice: BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)							
Effective Date: 2/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$34.65	\$11.49	\$15.57	\$8.02	\$0.00	\$69.73
2	60.00	\$41.58	\$11.49	\$15.57	\$8.02	\$0.00	\$76.66
3	70.00	\$48.51	\$11.49	\$15.57	\$8.02	\$0.00	\$83.59
4	80.00	\$55.44	\$11.49	\$15.57	\$8.02	\$0.00	\$90.52
5	90.00	\$62.37	\$11.49	\$15.57	\$8.02	\$0.00	\$97.45

Apprentice to Journeyworker Ratio: 1:5

BULLDOZER/GRADER/SCRAPER OPERATING ENGINEERS LOCAL 4 OPERATING ENGINEERS LOCAL 4	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
CAISSON & UNDERPINNING BOTTOM MAN	6/1/2025	\$48.85	\$9.90	\$9.25	\$9.80	\$0.00	\$77.80
LABORERS	12/1/2025	\$50.35	\$9.90	\$9.25	\$9.80	\$0.00	\$79.30
LABORERS - FOUNDATION AND MARINE	6/1/2026	\$51.90	\$9.90	\$9.25	\$9.80	\$0.00	\$80.85
	12/1/2026	\$53.40	\$9.90	\$9.25	\$9.80	\$0.00	\$82.35
For apprentice rates see "Apprentice- LABORER"							
CAISSON & UNDERPINNING LABORER	6/1/2025	\$47.70	\$9.90	\$9.25	\$9.80	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.20	\$9.90	\$9.25	\$9.80	\$0.00	\$78.15
LABORERS - FOUNDATION AND MARINE	6/1/2026	\$50.75	\$9.90	\$9.25	\$9.80	\$0.00	\$79.70
	12/1/2026	\$52.25	\$9.90	\$9.25	\$9.80	\$0.00	\$81.20
For apprentice rates see "Apprentice- LABORER"							
CAISSON & UNDERPINNING TOP MAN	6/1/2025	\$48.03	\$9.90	\$9.25	\$9.80	\$0.00	\$76.98
LABORERS	12/1/2025	\$49.53	\$9.90	\$9.25	\$9.80	\$0.00	\$78.48
LABORERS - FOUNDATION AND MARINE	6/1/2026	\$51.08	\$9.90	\$9.25	\$9.80	\$0.00	\$80.03
	12/1/2026	\$52.58	\$9.90	\$9.25	\$9.80	\$0.00	\$81.53
For apprentice rates see "Apprentice- LABORER"							
CARBIDE CORE DRILL OPERATOR	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75
For apprentice rates see "Apprentice- LABORER"							
CARPENTER	9/1/2025	\$61.44	\$10.33	\$11.47	\$8.50	\$0.00	\$91.74
CARPENTERS	3/1/2026	\$62.94	\$10.33	\$11.47	\$8.50	\$0.00	\$93.24
CARPENTERS -ZONE 1 (Metro Boston)	9/1/2026	\$64.44	\$10.33	\$11.47	\$8.50	\$0.00	\$94.74
	3/1/2027	\$65.94	\$10.33	\$11.47	\$8.50	\$0.00	\$96.24
Apprentice: CARPENTER Effective Date: 9/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$27.65	\$10.33	\$0.00	\$1.73	\$0.00	\$39.71
2	45.00	\$27.65	\$10.33	\$0.00	\$1.73	\$0.00	\$39.71
3	55.00	\$33.79	\$10.33	\$0.00	\$3.40	\$0.00	\$47.52
4	55.00	\$33.79	\$10.33	\$0.00	\$3.40	\$0.00	\$47.52
5	70.00	\$43.01	\$10.33	\$11.41	\$5.10	\$0.00	\$69.85
6	70.00	\$43.01	\$10.33	\$11.41	\$5.10	\$0.00	\$69.85
7	80.00	\$49.15	\$10.33	\$11.44	\$6.80	\$0.00	\$77.72
8	80.00	\$49.15	\$10.33	\$11.44	\$6.80	\$0.00	\$77.72

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
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Apprentice: CARPENTER**Effective Date: 3/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$28.32	\$10.33	\$0.00	\$1.73	\$0.00	\$40.38
2	45.00	\$28.32	\$10.33	\$0.00	\$1.73	\$0.00	\$40.38
3	55.00	\$34.62	\$10.33	\$0.00	\$3.40	\$0.00	\$48.35
4	55.00	\$34.62	\$10.33	\$0.00	\$3.40	\$0.00	\$48.35
5	70.00	\$44.06	\$10.33	\$11.41	\$5.10	\$0.00	\$70.90
6	70.00	\$44.06	\$10.33	\$11.41	\$5.10	\$0.00	\$70.90
7	80.00	\$50.35	\$10.33	\$11.44	\$6.80	\$0.00	\$78.92
8	80.00	\$50.35	\$10.33	\$11.44	\$6.80	\$0.00	\$78.92

Apprentice to Journeyworker Ratio: 1:5

CARPENTER WOOD FRAME	10/1/2024	\$31.91	\$7.02	\$4.47	\$2.00	\$0.00	\$45.40
CARPENTERS	10/1/2025	\$33.21	\$7.02	\$4.47	\$2.00	\$0.00	\$46.70
CARPENTERS -ZONE 2 (Wood Frame)	10/1/2026	\$34.51	\$7.02	\$4.47	\$2.00	\$0.00	\$48.00

All Aspects of New Wood Frame Work

Apprentice: CARPENTER WOOD FRAME**Effective Date: 10/1/2024**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$15.96	\$7.02	\$0.00	\$0.00	\$0.00	\$22.98
2	50.00	\$15.96	\$7.02	\$0.00	\$0.00	\$0.00	\$22.98
3	55.00	\$17.55	\$7.02	\$0.00	\$2.00	\$0.00	\$26.57
4	55.00	\$17.55	\$7.02	\$0.00	\$2.00	\$0.00	\$26.57
5	70.00	\$22.34	\$7.02	\$4.47	\$2.00	\$0.00	\$35.83
6	70.00	\$22.34	\$7.02	\$4.47	\$2.00	\$0.00	\$35.83
7	80.00	\$25.53	\$7.02	\$4.47	\$2.00	\$0.00	\$39.02
8	80.00	\$25.53	\$7.02	\$4.47	\$2.00	\$0.00	\$39.02

Apprentice: CARPENTER WOOD FRAME**Effective Date: 10/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$16.61	\$7.02	\$0.00	\$0.00	\$0.00	\$23.63
2	50.00	\$16.61	\$7.02	\$0.00	\$0.00	\$0.00	\$23.63
3	55.00	\$18.27	\$7.02	\$0.00	\$2.00	\$0.00	\$27.29
4	55.00	\$18.27	\$7.02	\$0.00	\$2.00	\$0.00	\$27.29
5	70.00	\$23.25	\$7.02	\$4.47	\$2.00	\$0.00	\$36.74
6	70.00	\$23.25	\$7.02	\$4.47	\$2.00	\$0.00	\$36.74
7	80.00	\$26.57	\$7.02	\$4.47	\$2.00	\$0.00	\$40.06
8	80.00	\$26.57	\$7.02	\$4.47	\$2.00	\$0.00	\$40.06

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice to Journeyworker Ratio: 1:5							
CEMENT MASONRY/PLASTERING BRICKLAYERS LOCAL 3 BRICKLAYERS LOCAL 3 (BOSTON)	7/1/2024	\$49.19	\$13.35	\$16.43	\$7.78	\$1.80	\$88.55
Apprentice: CEMENT MASONRY/PLASTERING							
Effective Date: 7/1/2024							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$24.60	\$13.35	\$16.43	\$0.00	\$0.00	\$54.38
2	60.00	\$29.51	\$13.35	\$16.43	\$2.78	\$1.80	\$63.87
3	65.00	\$31.97	\$13.35	\$16.43	\$3.78	\$1.80	\$67.33
4	70.00	\$34.43	\$13.35	\$16.43	\$4.78	\$1.80	\$70.79
5	75.00	\$36.89	\$13.35	\$16.43	\$5.78	\$1.80	\$74.25
6	80.00	\$39.35	\$13.35	\$16.43	\$6.78	\$1.80	\$77.71
7	90.00	\$44.27	\$13.35	\$16.43	\$7.78	\$1.80	\$83.63
Apprentice to Journeyworker Ratio: 1:3							
CHAIN SAW OPERATOR LABORERS LABORERS - ZONE 1	6/1/2025 12/1/2025 6/1/2026 12/1/2026 6/1/2027 12/1/2027 6/1/2028 12/1/2028	\$47.85 \$49.35 \$50.90 \$52.40 \$54.00 \$55.60 \$57.28 \$58.95	\$9.90 \$9.90 \$9.90 \$9.90 \$9.90 \$9.90 \$9.90 \$9.90	\$9.25 \$9.25 \$9.25 \$9.25 \$9.25 \$9.25 \$9.25 \$9.25	\$9.65 \$9.65 \$9.65 \$9.65 \$9.65 \$9.65 \$9.65 \$9.65	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$76.65 \$78.15 \$79.70 \$81.20 \$82.80 \$84.40 \$86.08 \$87.75
For apprentice rates see "Apprentice- LABORER"							
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES OPERATING ENGINEERS LOCAL 4 OPERATING ENGINEERS LOCAL 4	6/1/2025 12/1/2025 6/1/2026 12/1/2026	\$59.51 \$60.98 \$62.31 \$63.79	\$15.55 \$15.55 \$15.55 \$15.55	\$13.25 \$13.25 \$13.25 \$13.25	\$3.25 \$3.25 \$3.25 \$3.25	\$0.00 \$0.00 \$0.00 \$0.00	\$91.56 \$93.03 \$94.36 \$95.84
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
COMPRESSOR OPERATOR OPERATING ENGINEERS LOCAL 4 OPERATING ENGINEERS LOCAL 4	6/1/2025 12/1/2025 6/1/2026 12/1/2026	\$37.52 \$38.47 \$39.33 \$40.28	\$15.55 \$15.55 \$15.55 \$15.55	\$13.25 \$13.25 \$13.25 \$13.25	\$3.25 \$3.25 \$3.25 \$3.25	\$0.00 \$0.00 \$0.00 \$0.00	\$69.57 \$70.52 \$71.38 \$72.33
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
DELEADER (BRIDGE) PAINTERS LOCAL 35 PAINTERS LOCAL 35 - ZONE 1	7/1/2025 1/1/2026	\$58.51 \$59.56	\$10.30 \$10.35	\$11.95 \$12.00	\$12.50 \$12.60	\$0.00 \$0.00	\$93.26 \$94.51

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
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Apprentice: DELEADER (BRIDGE)
Effective Date: 7/1/2025

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
1	50.00	\$29.26	\$10.30	\$0.00	\$0.00	\$0.00	\$0.00	\$39.56
2	55.00	\$32.18	\$10.30	\$0.00	\$6.88	\$0.00	\$0.00	\$49.36
3	60.00	\$35.11	\$10.30	\$0.00	\$7.50	\$0.00	\$0.00	\$52.91
4	65.00	\$38.03	\$10.30	\$0.00	\$8.13	\$0.00	\$0.00	\$56.46
5	70.00	\$40.96	\$10.30	\$11.95	\$8.75	\$0.00	\$0.00	\$71.96
6	75.00	\$43.88	\$10.30	\$11.95	\$9.38	\$0.00	\$0.00	\$75.51
7	80.00	\$46.81	\$10.30	\$11.95	\$10.00	\$0.00	\$0.00	\$79.06
8	90.00	\$52.66	\$10.30	\$11.95	\$11.25	\$0.00	\$0.00	\$86.16

Apprentice: DELEADER (BRIDGE)
Effective Date: 1/1/2026

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
1	50.00	\$29.78	\$10.35	\$0.00	\$0.00	\$0.00	\$0.00	\$40.13
2	55.00	\$32.76	\$10.35	\$0.00	\$6.93	\$0.00	\$0.00	\$50.04
3	60.00	\$35.74	\$10.35	\$0.00	\$7.56	\$0.00	\$0.00	\$53.65
4	65.00	\$38.71	\$10.35	\$0.00	\$8.19	\$0.00	\$0.00	\$57.25
5	70.00	\$41.69	\$10.35	\$12.00	\$8.82	\$0.00	\$0.00	\$72.86
6	75.00	\$44.67	\$10.35	\$12.00	\$9.45	\$0.00	\$0.00	\$76.47
7	80.00	\$47.65	\$10.35	\$12.00	\$10.08	\$0.00	\$0.00	\$80.08
8	90.00	\$53.60	\$10.35	\$12.00	\$11.34	\$0.00	\$0.00	\$87.29

Apprentice to Journeyworker Ratio: 1:1

DEMO: ADZEMAN	6/2/2025	\$47.75	\$9.90	\$9.25	\$9.65	\$0.00	\$76.55
LABORERS	12/1/2025	\$49.25	\$9.90	\$9.25	\$9.65	\$0.00	\$78.05
LABORERS - ZONE 1	6/1/2026	\$50.80	\$9.90	\$9.25	\$9.65	\$0.00	\$79.60
	12/7/2026	\$52.30	\$9.90	\$9.25	\$9.65	\$0.00	\$81.10
	6/7/2027	\$53.90	\$9.90	\$9.25	\$9.65	\$0.00	\$82.70
	12/6/2027	\$55.50	\$9.90	\$9.25	\$9.65	\$0.00	\$84.30
	6/5/2028	\$57.18	\$9.90	\$9.25	\$9.65	\$0.00	\$85.98
	12/4/2028	\$58.85	\$9.90	\$9.25	\$9.65	\$0.00	\$87.65

For apprentice rates see "Apprentice- LABORER"

DEMO: BACKHOE/LOADER/HAMMER OPERATOR	6/2/2025	\$48.75	\$9.90	\$9.25	\$9.65	\$0.00	\$77.55
LABORERS	12/1/2025	\$50.25	\$9.90	\$9.25	\$9.65	\$0.00	\$79.05
LABORERS - ZONE 1	6/1/2026	\$51.80	\$9.90	\$9.25	\$9.65	\$0.00	\$80.60
	12/7/2026	\$53.30	\$9.90	\$9.25	\$9.65	\$0.00	\$82.10
	6/7/2027	\$54.90	\$9.90	\$9.25	\$9.65	\$0.00	\$83.70
	12/6/2027	\$56.50	\$9.90	\$9.25	\$9.65	\$0.00	\$85.30
	6/5/2028	\$58.18	\$9.90	\$9.25	\$9.65	\$0.00	\$86.98
	12/4/2028	\$59.85	\$9.90	\$9.25	\$9.65	\$0.00	\$88.65

For apprentice rates see "Apprentice- LABORER"

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
DEMO: BURNERS	6/2/2025	\$48.50	\$9.90	\$9.25	\$9.65	\$0.00	\$77.30
LABORERS	12/1/2025	\$50.00	\$9.90	\$9.25	\$9.65	\$0.00	\$78.80
LABORERS - ZONE 1	6/1/2026	\$51.55	\$9.90	\$9.25	\$9.65	\$0.00	\$80.35
	12/7/2026	\$53.05	\$9.90	\$9.25	\$9.65	\$0.00	\$81.85
	6/7/2027	\$54.65	\$9.90	\$9.25	\$9.65	\$0.00	\$83.45
	12/6/2027	\$56.25	\$9.90	\$9.25	\$9.65	\$0.00	\$85.05
	6/5/2028	\$57.93	\$9.90	\$9.25	\$9.65	\$0.00	\$86.73
	12/4/2028	\$59.60	\$9.90	\$9.25	\$9.65	\$0.00	\$88.40

For apprentice rates see "Apprentice- LABORER"

DEMO: CONCRETE CUTTER/SAWYER	6/2/2025	\$48.75	\$9.90	\$9.25	\$9.65	\$0.00	\$77.55
LABORERS	12/1/2025	\$50.25	\$9.90	\$9.25	\$9.65	\$0.00	\$79.05
LABORERS - ZONE 1	6/1/2026	\$51.80	\$9.90	\$9.25	\$9.65	\$0.00	\$80.60
	12/7/2026	\$53.30	\$9.90	\$9.25	\$9.65	\$0.00	\$82.10
	6/7/2027	\$54.90	\$9.90	\$9.25	\$9.65	\$0.00	\$83.70
	12/6/2027	\$56.50	\$9.90	\$9.25	\$9.65	\$0.00	\$85.30
	6/5/2028	\$58.18	\$9.90	\$9.25	\$9.65	\$0.00	\$86.98
	12/4/2028	\$59.85	\$9.90	\$9.25	\$9.65	\$0.00	\$88.65

For apprentice rates see "Apprentice- LABORER"

DEMO: JACKHAMMER OPERATOR	6/2/2025	\$48.50	\$9.90	\$9.25	\$9.65	\$0.00	\$77.30
LABORERS	12/1/2025	\$50.00	\$9.90	\$9.25	\$9.65	\$0.00	\$78.80
LABORERS - ZONE 1	6/1/2026	\$51.55	\$9.90	\$9.25	\$9.65	\$0.00	\$80.35
	12/7/2026	\$53.05	\$9.90	\$9.25	\$9.65	\$0.00	\$81.85
	6/7/2027	\$54.65	\$9.90	\$9.25	\$9.65	\$0.00	\$83.45
	12/6/2027	\$56.25	\$9.90	\$9.25	\$9.65	\$0.00	\$85.05
	6/5/2028	\$57.93	\$9.90	\$9.25	\$9.65	\$0.00	\$86.73
	12/4/2028	\$59.60	\$9.90	\$9.25	\$9.65	\$0.00	\$88.40

For apprentice rates see "Apprentice- LABORER"

DEMO: WRECKING LABORER	6/2/2025	\$47.75	\$9.90	\$9.25	\$9.65	\$0.00	\$76.55
LABORERS	12/1/2025	\$49.25	\$9.90	\$9.25	\$9.65	\$0.00	\$78.05
LABORERS - ZONE 1	6/1/2026	\$50.80	\$9.90	\$9.25	\$9.65	\$0.00	\$79.60
	12/7/2026	\$52.30	\$9.90	\$9.25	\$9.65	\$0.00	\$81.10
	6/7/2027	\$53.90	\$9.90	\$9.25	\$9.65	\$0.00	\$82.70
	12/6/2027	\$55.50	\$9.90	\$9.25	\$9.65	\$0.00	\$84.30
	6/5/2028	\$57.18	\$9.90	\$9.25	\$9.65	\$0.00	\$85.98
	12/4/2028	\$58.85	\$9.90	\$9.25	\$9.65	\$0.00	\$87.65

For apprentice rates see "Apprentice- LABORER"

DIRECTIONAL DRILL MACHINE OPERATOR	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

DIVER	8/1/2024	\$78.11	\$10.08	\$11.62	\$10.04	\$0.00	\$109.85
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 1)							

as of 8-1-24, Apprentices with diving licenses begin at second year. % of Diver wage 70/80/90 2A \$69.83, 3A \$91.79,4A \$102.14 Total Rate

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
DIVER TENDER	8/1/2024	\$55.79	\$10.08	\$11.62	\$12.67	\$0.00	\$90.16
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 1)							
as of 8-1-24, Apprentices with diving licenses begin at second year. % of Piledriver wage 70/80/90 2A \$54.20, 3A \$73.93,4A \$82.05 Total Rate							
DIVER TENDER (EFFLUENT)	8/1/2024	\$83.69	\$10.08	\$11.62	\$12.67	\$0.00	\$118.06
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 1)							
For apprentice rates see "Apprentice- PILE DRIVER"							
DIVER/SLURRY (EFFLUENT)	8/1/2024	\$117.16	\$10.08	\$11.62	\$12.67	\$0.00	\$151.53
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 1)							
For apprentice rates see "Apprentice- PILE DRIVER"							
DRAWBRIDGE OPERATOR (Construction)	7/1/2020	\$26.77	\$6.67	\$3.93	\$0.00	\$0.16	\$37.53
DRAWBRIDGE - SEIU LOCAL 888							
DRAWBRIDGE - SEIU LOCAL 888							
ELECTRICIAN	9/1/2025	\$66.17	\$13.00	\$14.37	\$8.72	\$0.00	\$102.26
ELECTRICIANS LOCAL 103	3/1/2026	\$66.86	\$13.00	\$14.64	\$9.00	\$0.00	\$103.50
ELECTRICIANS LOCAL 103	9/1/2026	\$68.78	\$13.00	\$14.69	\$9.00	\$0.00	\$105.47
	3/1/2027	\$69.97	\$13.00	\$14.73	\$9.00	\$0.00	\$106.70
	9/1/2027	\$71.88	\$13.00	\$14.79	\$9.00	\$0.00	\$108.67
	3/1/2028	\$73.08	\$13.00	\$14.82	\$9.00	\$0.00	\$109.90

Apprentice: ELECTRICIAN**Effective Date: 9/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	40.00	\$26.47	\$13.00	\$0.79	\$0.00	\$0.00	\$40.26
2	40.00	\$26.47	\$13.00	\$0.79	\$0.00	\$0.00	\$40.26
3	45.00	\$29.78	\$13.00	\$13.27	\$3.92	\$0.00	\$59.97
4	45.00	\$29.78	\$13.00	\$13.27	\$3.92	\$0.00	\$59.97
5	50.00	\$33.09	\$13.00	\$13.37	\$4.36	\$0.00	\$63.82
6	55.00	\$36.39	\$13.00	\$13.47	\$4.80	\$0.00	\$67.66
7	60.00	\$39.70	\$13.00	\$13.57	\$5.23	\$0.00	\$71.50
8	65.00	\$43.01	\$13.00	\$13.67	\$5.67	\$0.00	\$75.35
9	70.00	\$46.32	\$13.00	\$13.77	\$6.10	\$0.00	\$79.19
10	75.00	\$49.63	\$13.00	\$13.87	\$6.54	\$0.00	\$83.04

Apprentice: ELECTRICIAN**Effective Date: 3/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	40.00	\$26.74	\$13.00	\$0.80	\$0.00	\$0.00	\$40.54
2	40.00	\$26.74	\$13.00	\$0.80	\$0.00	\$0.00	\$40.54
3	45.00	\$30.09	\$13.00	\$13.53	\$3.92	\$0.00	\$60.54
4	45.00	\$30.09	\$13.00	\$13.53	\$4.05	\$0.00	\$60.67

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: ELECTRICIAN							
Effective Date: 3/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
5	50.00	\$33.43	\$13.00	\$13.63	\$4.50	\$0.00	\$64.56
6	55.00	\$36.77	\$13.00	\$13.73	\$4.95	\$0.00	\$68.45
7	60.00	\$40.12	\$13.00	\$13.83	\$5.40	\$0.00	\$72.35
8	65.00	\$43.46	\$13.00	\$13.93	\$5.85	\$0.00	\$76.24
9	70.00	\$46.80	\$13.00	\$14.03	\$6.30	\$0.00	\$80.13
10	75.00	\$50.15	\$13.00	\$14.13	\$6.75	\$0.00	\$84.03

Apprentice Notes

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Apprentice to Journeyworker Ratio: 2:3

ELEVATOR CONSTRUCTOR	1/1/2025	\$74.17	\$16.28	\$10.96	\$10.40	\$0.00	\$111.81
ELEVATOR CONSTRUCTORS LOCAL 4	1/1/2026	\$77.26	\$16.38	\$11.06	\$10.70	\$0.00	\$115.40
ELEVATOR CONSTRUCTORS LOCAL 4	1/1/2027	\$80.55	\$16.48	\$11.16	\$11.00	\$0.00	\$119.19

Apprentice: ELEVATOR CONSTRUCTOR**Effective Date: 1/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$37.09	\$0.00	\$0.00	\$0.00	\$0.00	\$37.09
2	55.00	\$40.79	\$16.28	\$10.96	\$10.40	\$0.00	\$78.43
3	65.00	\$48.21	\$16.28	\$10.96	\$10.40	\$0.00	\$85.85
4	70.00	\$51.92	\$16.28	\$10.96	\$10.40	\$0.00	\$89.56
5	80.00	\$59.34	\$16.28	\$10.96	\$10.40	\$0.00	\$96.98

Apprentice: ELEVATOR CONSTRUCTOR**Effective Date: 1/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$38.63	\$0.00	\$0.00	\$0.00	\$0.00	\$38.63
2	55.00	\$42.49	\$16.38	\$11.06	\$10.70	\$0.00	\$80.63
3	65.00	\$50.22	\$16.38	\$11.06	\$10.70	\$0.00	\$88.36
4	70.00	\$54.08	\$16.38	\$11.06	\$10.70	\$0.00	\$92.22
5	80.00	\$61.81	\$16.38	\$11.06	\$10.70	\$0.00	\$99.95

Apprentice to Journeyworker Ratio: 1:1

ELEVATOR CONSTRUCTOR HELPER	1/1/2025	\$51.92	\$16.28	\$10.96	\$10.40	\$0.00	\$89.56
ELEVATOR CONSTRUCTORS LOCAL 4	1/1/2026	\$54.08	\$16.38	\$11.06	\$10.07	\$0.00	\$91.59
ELEVATOR CONSTRUCTORS LOCAL 4	1/1/2027	\$56.39	\$16.48	\$11.16	\$11.00	\$0.00	\$95.03

For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY)	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
LABORERS	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY	5/1/2025	\$53.22	\$15.30	\$13.15	\$3.25	\$0.00	\$84.92
OPERATING ENGINEERS LOCAL 4	11/1/2025	\$54.51	\$15.30	\$13.15	\$3.25	\$0.00	\$86.21
OPERATING ENGINEERS LOCAL 4	5/1/2026	\$55.95	\$15.30	\$13.15	\$3.25	\$0.00	\$87.65
	11/1/2026	\$57.24	\$15.30	\$13.15	\$3.25	\$0.00	\$88.94
	5/1/2027	\$58.67	\$15.30	\$13.15	\$3.25	\$0.00	\$90.37

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY	5/1/2025	\$54.82	\$15.30	\$13.15	\$3.25	\$0.00	\$86.52
OPERATING ENGINEERS LOCAL 4	11/1/2025	\$56.12	\$15.30	\$13.15	\$3.25	\$0.00	\$87.82
OPERATING ENGINEERS LOCAL 4	5/1/2026	\$57.57	\$15.30	\$13.15	\$3.25	\$0.00	\$89.27
	11/1/2026	\$58.87	\$15.30	\$13.15	\$3.25	\$0.00	\$90.57
	5/1/2027	\$60.32	\$15.30	\$13.15	\$3.25	\$0.00	\$92.02

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY	5/1/2025	\$26.22	\$15.30	\$13.15	\$3.25	\$0.00	\$57.92
OPERATING ENGINEERS LOCAL 4	11/1/2025	\$26.98	\$15.30	\$13.15	\$3.25	\$0.00	\$58.68
OPERATING ENGINEERS LOCAL 4	5/1/2026	\$27.83	\$15.30	\$13.15	\$3.25	\$0.00	\$59.53
	11/1/2026	\$28.59	\$15.30	\$13.15	\$3.25	\$0.00	\$60.29
	5/1/2027	\$29.44	\$15.30	\$13.15	\$3.25	\$0.00	\$61.14

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FIRE ALARM INSTALLER	9/1/2025	\$66.17	\$13.00	\$14.37	\$9.00	\$0.00	\$102.54
ELECTRICIANS LOCAL 103	3/1/2026	\$66.86	\$13.00	\$14.64	\$9.00	\$0.00	\$103.50
ELECTRICIANS LOCAL 103	9/1/2026	\$68.78	\$13.00	\$14.69	\$9.00	\$0.00	\$105.47
	3/1/2027	\$69.97	\$13.00	\$14.73	\$9.00	\$0.00	\$106.70
	9/1/2027	\$71.88	\$13.00	\$14.79	\$9.00	\$0.00	\$108.67
	3/1/2028	\$73.08	\$13.00	\$14.82	\$9.00	\$0.00	\$109.90

For apprentice rates see "Apprentice- ELECTRICIAN"

FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONING	9/1/2025	\$52.94	\$13.00	\$13.97	\$6.98	\$0.00	\$86.89
ELECTRICIANS LOCAL 103	3/1/2026	\$53.49	\$13.00	\$14.23	\$7.20	\$0.00	\$87.92
ELECTRICIANS LOCAL 103	9/1/2026	\$55.02	\$13.00	\$14.28	\$7.20	\$0.00	\$89.50
	3/1/2027	\$55.98	\$13.00	\$14.31	\$7.20	\$0.00	\$90.49
	9/1/2027	\$57.50	\$13.00	\$14.36	\$7.20	\$0.00	\$92.06
	3/1/2028	\$58.46	\$13.00	\$14.38	\$7.20	\$0.00	\$93.04

For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"

FIREMAN (ASST. ENGINEER)	6/1/2025	\$47.02	\$15.55	\$13.25	\$3.25	\$0.00	\$79.07
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$48.19	\$15.55	\$13.25	\$3.25	\$0.00	\$80.24
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$49.25	\$15.55	\$13.25	\$3.25	\$0.00	\$81.30
	12/1/2026	\$50.43	\$15.55	\$13.25	\$3.25	\$0.00	\$82.48

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

FLAGGER & SIGNALER (HEAVY & HIGHWAY)	6/1/2025	\$28.09	\$9.90	\$9.25	\$9.65	\$0.00	\$56.89
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Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
LABORERS	12/1/2025	\$28.09	\$9.90	\$9.25	\$9.65	\$0.00	\$56.89
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$29.21	\$9.90	\$9.25	\$9.65	\$0.00	\$58.01
	12/1/2026	\$29.21	\$9.90	\$9.25	\$9.65	\$0.00	\$58.01

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)

FLOORCOVERER	9/1/2025	\$59.23	\$8.83	\$11.47	\$8.80	\$0.00	\$88.33
FLOORCOVERERS LOCAL 2168	3/1/2026	\$60.73	\$8.83	\$11.47	\$8.80	\$0.00	\$89.83
FLOORCOVERERS LOCAL 2168 ZONE I	9/1/2026	\$62.23	\$8.83	\$11.47	\$8.80	\$0.00	\$91.33
	3/1/2027	\$63.73	\$8.83	\$11.47	\$8.80	\$0.00	\$92.83

Apprentice: FLOORCOVERER**Effective Date: 9/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$26.65	\$8.83	\$0.00	\$1.76	\$0.00	\$37.24
2	45.00	\$26.65	\$8.83	\$0.00	\$1.76	\$0.00	\$37.24
3	55.00	\$32.58	\$8.83	\$0.00	\$3.52	\$0.00	\$44.93
4	55.00	\$32.58	\$8.83	\$0.00	\$3.52	\$0.00	\$44.93
5	70.00	\$41.46	\$8.83	\$11.47	\$5.28	\$0.00	\$67.04
6	70.00	\$41.46	\$8.83	\$11.47	\$5.28	\$0.00	\$67.04
7	80.00	\$47.38	\$8.83	\$11.47	\$7.04	\$0.00	\$74.72
8	80.00	\$47.38	\$8.83	\$11.47	\$7.04	\$0.00	\$74.72

Apprentice: FLOORCOVERER**Effective Date: 3/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$27.33	\$8.83	\$0.00	\$1.76	\$0.00	\$37.92
2	45.00	\$27.33	\$8.83	\$0.00	\$1.76	\$0.00	\$37.92
3	55.00	\$33.40	\$8.83	\$0.00	\$3.52	\$0.00	\$45.75
4	55.00	\$33.40	\$8.83	\$0.00	\$3.52	\$0.00	\$45.75
5	70.00	\$42.51	\$8.83	\$11.47	\$5.28	\$0.00	\$68.09
6	70.00	\$42.51	\$8.83	\$11.47	\$5.28	\$0.00	\$68.09
7	80.00	\$48.58	\$8.83	\$11.47	\$7.04	\$0.00	\$75.92
8	80.00	\$48.58	\$8.83	\$11.47	\$7.04	\$0.00	\$75.92

Apprentice Notes

Steps are 750 hrs.

Apprentice to Journeyworker Ratio: 1:1

FORK LIFT/CHERRY PICKER	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GENERATOR/LIGHTING PLANT/HEATERS	6/1/2025	\$37.52	\$15.55	\$13.25	\$3.25	\$0.00	\$69.57
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Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$38.47	\$15.55	\$13.25	\$3.25	\$0.00	\$70.52
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$39.33	\$15.55	\$13.25	\$3.25	\$0.00	\$71.38
	12/1/2026	\$40.28	\$15.55	\$13.25	\$3.25	\$0.00	\$72.33

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	7/1/2025	\$53.80	\$10.30	\$11.95	\$12.50	\$0.00	\$88.55
GLAZIERS LOCAL 35	1/1/2026	\$54.85	\$10.35	\$12.00	\$12.60	\$0.00	\$89.80
GLAZIERS LOCAL 35 (ZONE 1)							

Apprentice: GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)**Effective Date: 7/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.90	\$10.30	\$0.00	\$0.00	\$0.00	\$37.20
2	55.00	\$29.59	\$10.30	\$0.00	\$6.88	\$0.00	\$46.77
3	60.00	\$32.28	\$10.30	\$0.00	\$7.50	\$0.00	\$50.08
4	65.00	\$34.97	\$10.30	\$0.00	\$8.13	\$0.00	\$53.40
5	70.00	\$37.66	\$10.30	\$11.95	\$8.75	\$0.00	\$68.66
6	75.00	\$40.35	\$10.30	\$11.95	\$9.38	\$0.00	\$71.98
7	80.00	\$43.04	\$10.30	\$11.95	\$10.00	\$0.00	\$75.29
8	90.00	\$48.42	\$10.30	\$11.95	\$11.25	\$0.00	\$81.92

Apprentice: GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)**Effective Date: 1/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$27.43	\$10.30	\$0.00	\$0.00	\$0.00	\$37.73
2	55.00	\$30.17	\$10.30	\$0.00	\$6.88	\$0.00	\$47.35
3	60.00	\$32.91	\$10.30	\$0.00	\$7.50	\$0.00	\$50.71
4	65.00	\$35.65	\$10.30	\$0.00	\$8.13	\$0.00	\$54.08
5	70.00	\$38.40	\$10.30	\$11.95	\$8.75	\$0.00	\$69.40
6	75.00	\$41.14	\$10.30	\$11.95	\$9.38	\$0.00	\$72.77
7	80.00	\$43.88	\$10.30	\$11.95	\$10.00	\$0.00	\$76.13
8	90.00	\$49.37	\$10.30	\$11.95	\$11.25	\$0.00	\$82.87

Apprentice to Journeyworker Ratio: 1:1

HOISTING ENGINEER/CRANES/GRADALLS	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58

Apprentice: HOISTING ENGINEER/CRANES/GRADALLS**Effective Date: 6/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	55.00	\$32.08	\$0.00	\$0.00	\$0.00	\$0.00	\$32.08

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
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Apprentice: HOISTING ENGINEER/CRANES/GRADALLS							
Effective Date: 6/1/2025							
Step	Percent	Apprentice		Pension	Annuity	Supplemental	Total Rate
		Base Wage	Health				
2	60.00	\$35.00	\$15.55	\$13.25	\$3.25	\$0.00	\$67.05
3	65.00	\$37.91	\$15.55	\$13.25	\$3.25	\$0.00	\$69.96
4	70.00	\$40.83	\$15.55	\$13.25	\$3.25	\$0.00	\$72.88
5	75.00	\$43.75	\$15.55	\$13.25	\$3.25	\$0.00	\$75.80
6	80.00	\$46.66	\$15.55	\$13.25	\$3.25	\$0.00	\$78.71
7	85.00	\$49.58	\$15.55	\$13.25	\$3.25	\$0.00	\$81.63
8	90.00	\$52.50	\$15.55	\$13.25	\$3.25	\$0.00	\$84.55

Apprentice: HOISTING ENGINEER/CRANES/GRADALLS							
Effective Date: 12/1/2025							
Step	Percent	Apprentice		Pension	Annuity	Supplemental	Total Rate
		Base Wage	Health				
1	55.00	\$32.88	\$0.00	\$0.00	\$0.00	\$0.00	\$32.88
2	60.00	\$35.87	\$15.55	\$13.25	\$3.25	\$0.00	\$67.92
3	65.00	\$38.86	\$15.55	\$13.25	\$3.25	\$0.00	\$70.91
4	70.00	\$41.85	\$15.55	\$13.25	\$3.25	\$0.00	\$73.90
5	75.00	\$44.84	\$15.55	\$13.25	\$3.25	\$0.00	\$76.89
6	80.00	\$47.82	\$15.55	\$13.25	\$3.25	\$0.00	\$79.87
7	85.00	\$50.81	\$15.55	\$13.25	\$3.25	\$0.00	\$82.86
8	90.00	\$53.80	\$15.55	\$13.25	\$3.25	\$0.00	\$85.85

Apprentice to Journeyworker Ratio: 1:6

HVAC (DUCTWORK)	8/1/2025	\$60.98	\$14.91	\$18.74	\$9.53	\$2.98	\$107.14
SHEETMETAL WORKERS LOCAL 17	2/1/2026	\$62.93	\$14.91	\$18.74	\$9.53	\$2.98	\$109.09
SHEETMETAL WORKERS LOCAL 17 - A							

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (ELECTRICAL CONTROLS)	9/1/2025	\$66.17	\$13.00	\$14.37	\$8.72	\$0.00	\$102.26
ELECTRICIANS LOCAL 103	3/1/2026	\$66.86	\$13.00	\$14.64	\$9.00	\$0.00	\$103.50
ELECTRICIANS LOCAL 103	9/1/2026	\$68.78	\$13.00	\$14.69	\$9.00	\$0.00	\$105.47
	3/1/2027	\$69.97	\$13.00	\$14.73	\$9.00	\$0.00	\$106.70
	9/1/2027	\$71.88	\$13.00	\$14.79	\$9.00	\$0.00	\$108.67
	3/1/2028	\$73.08	\$13.00	\$14.82	\$9.00	\$0.00	\$109.90

For apprentice rates see "Apprentice- ELECTRICIAN"

HVAC (TESTING AND BALANCING - AIR)	8/1/2025	\$60.98	\$14.91	\$18.74	\$9.53	\$2.98	\$107.14
SHEETMETAL WORKERS LOCAL 17	2/1/2026	\$62.93	\$14.91	\$18.74	\$9.53	\$2.98	\$109.09
SHEETMETAL WORKERS LOCAL 17 - A							

For apprentice rates see "Apprentice- SHEET METAL WORKER"

HVAC (TESTING AND BALANCING -WATER)	3/1/2025	\$68.88	\$12.70	\$13.05	\$8.75	\$0.00	\$103.38
PIPEFITTERS LOCAL 537							
PIPEFITTERS LOCAL 537							

For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
HVAC MECHANIC PIPEFITTERS LOCAL 537 PIPEFITTERS LOCAL 537	3/1/2025	\$68.88	\$12.70	\$13.05	\$8.75	\$0.00	\$103.38

For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

HYDRAULIC DRILLS LABORERS LABORERS - ZONE 1	6/1/2025 12/1/2025 6/1/2026 12/1/2026 6/1/2027 12/1/2027 6/1/2028 12/1/2028	\$48.35 \$49.85 \$50.65 \$52.90 \$54.50 \$56.10 \$57.78 \$59.45	\$9.90 \$9.90 \$9.90 \$9.90 \$9.90 \$9.90 \$9.90 \$9.90	\$9.25 \$9.25 \$9.25 \$9.25 \$9.25 \$9.25 \$9.25 \$9.25	\$9.65 \$9.65 \$9.65 \$9.65 \$9.65 \$9.65 \$9.65 \$9.65	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$77.15 \$78.65 \$79.45 \$81.70 \$83.30 \$84.90 \$86.58 \$88.25
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For apprentice rates see "Apprentice- LABORER"

HYDRAULIC DRILLS (HEAVY & HIGHWAY) LABORERS LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2025 12/1/2025 6/1/2026 12/1/2026	\$48.45 \$49.95 \$51.50 \$53.00	\$9.90 \$9.90 \$9.90 \$9.90	\$9.25 \$9.25 \$9.25 \$9.25	\$9.65 \$9.65 \$9.65 \$9.65	\$0.00 \$0.00 \$0.00 \$0.00	\$77.25 \$78.75 \$80.30 \$81.80
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For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

INSULATOR (PIPES & TANKS) HEAT & FROST INSULATORS LOCAL 6 HEAT & FROST INSULATORS LOCAL 6 (BOSTON)	9/1/2025 9/1/2026	\$60.34 \$63.76	\$14.75 \$14.75	\$9.52 \$9.52	\$10.09 \$10.09	\$0.00 \$0.00	\$94.70 \$98.12
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Apprentice: INSULATOR (PIPES & TANKS)**Effective Date: 9/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$30.17	\$14.75	\$9.27	\$5.05	\$0.00	\$59.24
2	60.00	\$36.20	\$14.75	\$9.32	\$6.05	\$0.00	\$66.32
3	70.00	\$42.24	\$14.75	\$9.37	\$7.06	\$0.00	\$73.42
4	80.00	\$48.27	\$14.75	\$9.42	\$8.07	\$0.00	\$80.51

Apprentice: INSULATOR (PIPES & TANKS)**Effective Date: 9/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$31.88	\$14.75	\$9.27	\$5.05	\$0.00	\$60.95
2	60.00	\$38.26	\$14.75	\$9.32	\$6.05	\$0.00	\$68.38
3	70.00	\$44.63	\$14.75	\$9.37	\$7.06	\$0.00	\$75.81
4	80.00	\$51.01	\$14.75	\$9.42	\$8.07	\$0.00	\$83.25

Apprentice to Journeyworker Ratio: 1:4

IRONWORKER/WELDER IRONWORKERS LOCAL 7 IRONWORKERS LOCAL 7 (BOSTON AREA)	9/16/2025	\$57.87	\$9.05	\$12.75	\$14.50	\$0.00	\$94.17
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Construction

Classification		Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: IRONWORKER/WELDER								
Effective Date: 9/16/2025								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
1	60.00	\$34.72	\$9.05	\$12.75	\$4.50	\$0.00	\$61.02	
2	75.00	\$43.40	\$9.05	\$12.75	\$4.50	\$0.00	\$69.70	
3	85.00	\$49.19	\$9.05	\$12.75	\$4.50	\$0.00	\$75.49	
4	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
5	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
6	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Apprentice to Journeyworker Ratio: 1:4								
JACKHAMMER & PAVING BREAKER OPERATOR		6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS		12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1		6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
		12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
		6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
		12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
		6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
		12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

LABORER		6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40
LABORERS		12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90
LABORERS - ZONE 1		6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
		12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95
		6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55
		12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15
		6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83
		12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50

Apprentice: LABORER**Effective Date: 6/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$28.56	\$9.90	\$9.25	\$9.65	\$0.00	\$57.36
2	70.00	\$33.32	\$9.90	\$9.25	\$9.65	\$0.00	\$62.12
3	80.00	\$38.08	\$9.90	\$9.25	\$9.65	\$0.00	\$66.88
4	90.00	\$42.84	\$9.90	\$9.25	\$9.65	\$0.00	\$71.64

Apprentice: LABORER**Effective Date: 12/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$29.46	\$9.90	\$9.25	\$9.65	\$0.00	\$58.26

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: LABORER							
Effective Date: 12/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
2	70.00	\$34.37	\$9.90	\$9.25	\$9.65	\$0.00	\$63.17
3	80.00	\$39.28	\$9.90	\$9.25	\$9.65	\$0.00	\$68.08
4	90.00	\$44.19	\$9.90	\$9.25	\$9.65	\$0.00	\$72.99
Apprentice to Journeyworker Ratio: 1:5							
LABORER (HEAVY & HIGHWAY)	6/1/2025	\$47.70	\$9.90	\$9.25	\$9.65	\$0.00	\$76.50
LABORERS	12/1/2025	\$49.20	\$9.90	\$9.25	\$9.65	\$0.00	\$78.00
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$50.75	\$9.90	\$9.25	\$9.65	\$0.00	\$79.55
	12/1/2026	\$52.25	\$9.90	\$9.25	\$9.65	\$0.00	\$81.05
Apprentice: LABORER (HEAVY & HIGHWAY)							
Effective Date: 6/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$28.62	\$9.65	\$9.25	\$9.65	\$0.00	\$57.17
2	70.00	\$33.39	\$9.65	\$9.25	\$9.65	\$0.00	\$61.94
3	80.00	\$38.16	\$9.65	\$9.25	\$9.65	\$0.00	\$66.71
4	90.00	\$42.93	\$9.65	\$9.25	\$9.65	\$0.00	\$71.48
Apprentice: LABORER (HEAVY & HIGHWAY)							
Effective Date: 12/1/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	60.00	\$29.52	\$9.90	\$9.25	\$9.65	\$0.00	\$58.32
2	70.00	\$34.44	\$9.90	\$9.25	\$9.65	\$0.00	\$63.24
3	80.00	\$39.36	\$9.90	\$9.25	\$9.65	\$0.00	\$68.16
4	90.00	\$44.28	\$9.90	\$9.25	\$9.65	\$0.00	\$73.08
Apprentice to Journeyworker Ratio: 1:5							
LABORER: CARPENTER TENDER	6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40
LABORERS	12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90
LABORERS - ZONE 1	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95
	6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55
	12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15
	6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50

For apprentice rates see "Apprentice- LABORER"

LABORER: CEMENT FINISHER TENDER	6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40
LABORERS	12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
LABORERS - ZONE 1	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95
	6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55
	12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15
	6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50

For apprentice rates see "Apprentice- LABORER"

LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER	6/2/2025	\$47.75	\$9.90	\$9.25	\$9.65	\$0.00	\$76.55
LABORERS	12/1/2025	\$49.25	\$9.90	\$9.25	\$9.65	\$0.00	\$78.05
LABORERS - ZONE 1	6/1/2026	\$50.80	\$9.90	\$9.25	\$9.65	\$0.00	\$79.60
	12/7/2026	\$52.30	\$9.90	\$9.25	\$9.65	\$0.00	\$81.10
	6/7/2027	\$53.90	\$9.90	\$9.25	\$9.65	\$0.00	\$82.70
	12/6/2027	\$55.50	\$9.90	\$9.25	\$9.65	\$0.00	\$84.30
	6/5/2028	\$57.18	\$9.90	\$9.25	\$9.65	\$0.00	\$85.98
	12/4/2028	\$58.85	\$9.90	\$9.25	\$9.65	\$0.00	\$87.65

For apprentice rates see "Apprentice- LABORER"

LABORER: MASON TENDER	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

LABORER: MASON TENDER (HEAVY & HIGHWAY)	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
LABORERS	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

LABORER: MULTI-TRADE TENDER	6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40
LABORERS	12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90
LABORERS - ZONE 1	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95
	6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55
	12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15
	6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50

For apprentice rates see "Apprentice- LABORER"

LABORER: TREE REMOVER	6/1/2025	\$47.60	\$9.90	\$9.25	\$9.65	\$0.00	\$76.40
LABORERS	12/1/2025	\$49.10	\$9.90	\$9.25	\$9.65	\$0.00	\$77.90
LABORERS - ZONE 1	6/1/2026	\$50.65	\$9.90	\$9.25	\$9.65	\$0.00	\$79.45
	12/1/2026	\$52.15	\$9.90	\$9.25	\$9.65	\$0.00	\$80.95
	6/1/2027	\$53.75	\$9.90	\$9.25	\$9.65	\$0.00	\$82.55
	12/1/2027	\$55.35	\$9.90	\$9.25	\$9.65	\$0.00	\$84.15
	6/1/2028	\$57.03	\$9.90	\$9.25	\$9.65	\$0.00	\$85.83
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
	12/1/2028	\$58.70	\$9.90	\$9.25	\$9.65	\$0.00	\$87.50
This classification applies to the removal of standing trees, and the trimming and removal of branches and limbs when related to public works construction or site clearance incidental to construction . For apprentice rates see "Apprentice- LABORER"							
LASER BEAM OPERATOR	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

LASER BEAM OPERATOR (HEAVY & HIGHWAY)	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
LABORERS	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

MARBLE & TILE FINISHERS	8/1/2025	\$52.08	\$11.49	\$15.57	\$6.05	\$0.00	\$85.19
BRICKLAYERS LOCAL 3	2/1/2026	\$53.16	\$11.49	\$15.57	\$6.05	\$0.00	\$86.27
BRICKLAYERS LOCAL 3 - MARBLE & TILE	8/1/2026	\$54.92	\$11.49	\$15.57	\$6.05	\$0.00	\$88.03
	2/1/2027	\$56.04	\$11.49	\$15.57	\$6.05	\$0.00	\$89.15

Apprentice: MARBLE & TILE FINISHERS

Effective Date: 8/1/2025

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.04	\$11.49	\$15.57	\$6.05	\$0.00	\$59.15
2	60.00	\$31.25	\$11.49	\$15.57	\$6.05	\$0.00	\$64.36
3	70.00	\$36.46	\$11.49	\$15.57	\$6.05	\$0.00	\$69.57
4	80.00	\$41.66	\$11.49	\$15.57	\$6.05	\$0.00	\$74.77
5	90.00	\$46.87	\$11.49	\$15.57	\$6.05	\$0.00	\$79.98

Apprentice: MARBLE & TILE FINISHERS

Effective Date: 2/1/2026

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.58	\$11.49	\$15.57	\$6.05	\$0.00	\$59.69
2	60.00	\$31.90	\$11.49	\$15.57	\$6.05	\$0.00	\$65.01
3	70.00	\$37.21	\$11.49	\$15.57	\$6.05	\$0.00	\$70.32
4	80.00	\$42.53	\$11.49	\$15.57	\$6.05	\$0.00	\$75.64
5	90.00	\$47.84	\$11.49	\$15.57	\$6.05	\$0.00	\$80.95

Apprentice to Journeyworker Ratio: 1:5

MARBLE MASONS,TILELAYERS & TERRAZZO MECH	8/1/2025	\$67.97	\$11.49	\$15.57	\$7.99	\$0.00	\$103.02
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Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
BRICKLAYERS LOCAL 3	2/1/2026	\$69.32	\$11.49	\$15.57	\$7.99	\$0.00	\$104.37	
BRICKLAYERS LOCAL 3 - MARBLE & TILE	8/1/2026	\$71.52	\$11.49	\$15.57	\$7.99	\$0.00	\$106.57	
	2/1/2027	\$72.92	\$11.49	\$15.57	\$7.99	\$0.00	\$107.97	

Apprentice: MARBLE MASONS,TILELAYERS & TERRAZZO MECH**Effective Date: 8/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
1	50.00	\$33.99	\$11.49	\$15.57	\$7.99	\$0.00	\$69.04	
2	60.00	\$40.78	\$11.49	\$15.57	\$7.99	\$0.00	\$75.83	
3	70.00	\$47.58	\$11.49	\$15.57	\$7.99	\$0.00	\$82.63	
4	80.00	\$54.38	\$11.49	\$15.57	\$7.99	\$0.00	\$89.43	
5	90.00	\$61.17	\$11.49	\$15.57	\$7.99	\$0.00	\$96.22	

Apprentice: MARBLE MASONS,TILELAYERS & TERRAZZO MECH**Effective Date: 2/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
1	50.00	\$34.66	\$11.49	\$15.57	\$7.99	\$0.00	\$69.71	
2	60.00	\$41.59	\$11.49	\$15.57	\$7.99	\$0.00	\$76.64	
3	70.00	\$48.52	\$11.49	\$15.57	\$7.99	\$0.00	\$83.57	
4	80.00	\$55.46	\$11.49	\$15.57	\$7.99	\$0.00	\$90.51	
5	90.00	\$62.39	\$11.49	\$15.57	\$7.99	\$0.00	\$97.44	

Apprentice to Journeyworker Ratio: 1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES)	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MECHANICS MAINTENANCE	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

MILLWRIGHT (Zone 1)	1/6/2025	\$50.53	\$10.08	\$11.47	\$10.25	\$0.00	\$82.33
MILLWRIGHTS LOCAL 1121	1/5/2026	\$53.03	\$10.08	\$11.47	\$10.25	\$0.00	\$84.83
MILLWRIGHTS LOCAL 1121 - Zone 1							

Apprentice: MILLWRIGHT (Zone 1)**Effective Date: 1/6/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
1	55.00	\$27.79	\$10.08	\$0.00	\$5.64	\$0.00	\$43.51	

Construction

Classification		Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: MILLWRIGHT (Zone 1)								
Effective Date: 1/6/2025								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
2	65.00	\$32.84	\$10.08	\$0.00	\$6.66	\$0.00	\$49.58	
3	75.00	\$37.90	\$10.08	\$11.47	\$7.69	\$0.00	\$67.14	
4	85.00	\$42.95	\$10.08	\$11.47	\$8.71	\$0.00	\$73.21	

Classification		Effective Date	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: MILLWRIGHT (Zone 1)								
Effective Date: 1/5/2026								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
1	55.00	\$29.17	\$10.08	\$0.00	\$5.64	\$0.00	\$44.89	
2	65.00	\$34.47	\$10.08	\$0.00	\$6.66	\$0.00	\$51.21	
3	75.00	\$39.77	\$10.08	\$11.47	\$7.69	\$0.00	\$69.01	
4	85.00	\$45.08	\$10.08	\$11.47	\$8.71	\$0.00	\$75.34	

Apprentice Notes

Step 1&2 Appr. indentured after 1/6/2020 receive no pension,

Apprentice to Journeyworker Ratio: 1:4

MORTAR MIXER	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

OILER (OTHER THAN TRUCK CRANES,GRADALLS)	6/1/2025	\$25.97	\$15.30	\$13.15	\$3.25	\$0.00	\$57.67
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$26.63	\$15.30	\$13.15	\$3.25	\$0.00	\$58.33
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$27.22	\$15.30	\$13.15	\$3.25	\$0.00	\$58.92
	12/1/2026	\$27.89	\$15.30	\$13.15	\$3.25	\$0.00	\$59.59

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OILER (TRUCK CRANES, GRADALLS)	6/1/2025	\$31.80	\$15.30	\$13.15	\$3.25	\$0.00	\$63.50
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$32.60	\$15.30	\$13.15	\$3.25	\$0.00	\$64.30
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$33.32	\$15.30	\$13.15	\$3.25	\$0.00	\$65.02
	12/1/2026	\$34.12	\$15.30	\$13.15	\$3.25	\$0.00	\$65.82

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

OTHER POWER DRIVEN EQUIPMENT - CLASS II	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PAINTER (BRIDGES/TANKS)	7/1/2025	\$58.51	\$10.30	\$11.95	\$12.50	\$0.00	\$93.26
PAINTERS LOCAL 35	1/1/2026	\$59.56	\$10.35	\$12.00	\$12.60	\$0.00	\$94.51
PAINTERS LOCAL 35 - ZONE 1							

Apprentice: PAINTER (BRIDGES/TANKS)**Effective Date: 7/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
1	50.00	\$29.26	\$10.30	\$0.00	\$0.00	\$0.00	\$0.00	\$39.56
2	55.00	\$32.18	\$10.30	\$0.00	\$6.88	\$0.00	\$0.00	\$49.36
3	60.00	\$35.11	\$10.30	\$0.00	\$7.50	\$0.00	\$0.00	\$52.91
4	65.00	\$38.03	\$10.30	\$0.00	\$8.13	\$0.00	\$0.00	\$56.46
5	70.00	\$40.96	\$10.30	\$11.95	\$8.75	\$0.00	\$0.00	\$71.96
6	75.00	\$43.88	\$10.30	\$11.95	\$9.38	\$0.00	\$0.00	\$75.51
7	80.00	\$46.81	\$10.30	\$11.95	\$10.00	\$0.00	\$0.00	\$79.06
8	90.00	\$52.66	\$10.30	\$11.95	\$11.25	\$0.00	\$0.00	\$86.16

Apprentice: PAINTER (BRIDGES/TANKS)**Effective Date: 1/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
1	50.00	\$29.78	\$10.35	\$0.00	\$0.00	\$0.00	\$0.00	\$40.13
2	55.00	\$32.76	\$10.35	\$0.00	\$6.93	\$0.00	\$0.00	\$50.04
3	60.00	\$35.74	\$10.35	\$0.00	\$7.56	\$0.00	\$0.00	\$53.65
4	65.00	\$38.71	\$10.35	\$0.00	\$8.19	\$0.00	\$0.00	\$57.25
5	70.00	\$41.69	\$10.35	\$12.00	\$8.82	\$0.00	\$0.00	\$72.86
6	75.00	\$44.67	\$10.35	\$12.00	\$9.45	\$0.00	\$0.00	\$76.47
7	80.00	\$47.65	\$10.35	\$12.00	\$10.08	\$0.00	\$0.00	\$80.08
8	90.00	\$53.60	\$10.35	\$12.00	\$11.34	\$0.00	\$0.00	\$87.29

Apprentice to Journeyworker Ratio: 1:1

PAINTER (SPRAY OR SANDBLAST, NEW) *	7/1/2025	\$55.20	\$10.30	\$11.95	\$12.50	\$0.00	\$89.95
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used.	1/1/2026	\$56.25	\$10.35	\$12.00	\$12.60	\$0.00	\$91.20
PAINTERS LOCAL 35							
PAINTERS LOCAL 35 - ZONE 1							

Apprentice: PAINTER (SPRAY OR SANDBLAST, NEW) ***Effective Date: 7/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
1	50.00	\$27.60	\$10.30	\$0.00	\$0.00	\$0.00	\$0.00	\$37.90
2	55.00	\$30.36	\$10.30	\$0.00	\$6.88	\$0.00	\$0.00	\$47.54
3	60.00	\$33.12	\$10.30	\$0.00	\$7.50	\$0.00	\$0.00	\$50.92

Construction

Classification		Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: PAINTER (SPRAY OR SANDBLAST, NEW) *								
Effective Date: 7/1/2025								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
4	65.00	\$35.88	\$10.30	\$0.00	\$8.13	\$0.00	\$54.31	
5	70.00	\$38.64	\$10.30	\$11.95	\$8.75	\$0.00	\$69.64	
6	75.00	\$41.40	\$10.30	\$11.95	\$9.38	\$0.00	\$73.03	
7	80.00	\$44.16	\$10.30	\$11.95	\$10.00	\$0.00	\$76.41	
8	90.00	\$49.68	\$10.30	\$11.95	\$11.25	\$0.00	\$83.18	

Classification		Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: PAINTER (SPRAY OR SANDBLAST, NEW) *								
Effective Date: 1/1/2026								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
1	50.00	\$28.13	\$10.35	\$0.00	\$0.00	\$0.00	\$38.48	
2	55.00	\$30.94	\$10.35	\$0.00	\$6.93	\$0.00	\$48.22	
3	60.00	\$33.75	\$10.35	\$0.00	\$7.56	\$0.00	\$51.66	
4	65.00	\$36.56	\$10.35	\$0.00	\$8.19	\$0.00	\$55.10	
5	70.00	\$39.38	\$10.35	\$12.00	\$8.92	\$0.00	\$70.65	
6	75.00	\$42.19	\$10.35	\$12.00	\$9.45	\$0.00	\$73.99	
7	80.00	\$45.00	\$10.35	\$12.00	\$10.08	\$0.00	\$77.43	
8	90.00	\$50.63	\$10.35	\$12.00	\$11.34	\$0.00	\$84.32	

Apprentice to Journeyworker Ratio: 1:1

PAINTER (SPRAY OR SANDBLAST, REPAINT)	7/1/2025	\$53.26	\$10.30	\$11.95	\$12.50	\$0.00	\$88.01
PAINTERS LOCAL 35	1/1/2026	\$54.31	\$10.35	\$12.00	\$12.60	\$0.00	\$89.26
PAINTERS LOCAL 35 - ZONE 1							

Classification		Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: PAINTER (SPRAY OR SANDBLAST, REPAINT)								
Effective Date: 7/1/2025								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
1	50.00	\$26.63	\$10.30	\$0.00	\$0.00	\$0.00	\$36.93	
2	55.00	\$29.29	\$10.30	\$0.00	\$6.88	\$0.00	\$46.47	
3	60.00	\$31.96	\$10.30	\$0.00	\$7.50	\$0.00	\$49.76	
4	65.00	\$34.62	\$10.30	\$0.00	\$8.13	\$0.00	\$53.05	
5	70.00	\$37.28	\$10.30	\$11.95	\$8.75	\$0.00	\$68.28	
6	75.00	\$39.95	\$10.30	\$11.95	\$9.38	\$0.00	\$71.58	
7	80.00	\$42.61	\$10.30	\$11.95	\$10.00	\$0.00	\$74.86	
8	90.00	\$47.93	\$10.30	\$11.95	\$11.25	\$0.00	\$81.43	

Classification		Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: PAINTER (SPRAY OR SANDBLAST, REPAINT)								
Effective Date: 1/1/2026								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: PAINTER (SPRAY OR SANDBLAST, REPAINT)							
Effective Date: 1/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$27.16	\$10.35	\$0.00	\$0.00	\$0.00	\$37.51
2	55.00	\$29.87	\$10.35	\$0.00	\$6.93	\$0.00	\$47.15
3	60.00	\$32.59	\$10.35	\$0.00	\$7.56	\$0.00	\$50.50
4	65.00	\$35.30	\$10.35	\$0.00	\$8.19	\$0.00	\$53.84
5	70.00	\$38.02	\$10.35	\$12.00	\$8.82	\$0.00	\$69.19
6	75.00	\$40.73	\$10.35	\$12.00	\$9.45	\$0.00	\$72.53
7	80.00	\$43.45	\$10.35	\$12.00	\$10.08	\$0.00	\$75.88
8	90.00	\$48.88	\$10.35	\$12.00	\$11.34	\$0.00	\$82.57

Apprentice to Journeyworker Ratio: 1:1

PAINTER / TAPER (BRUSH, NEW) *	7/1/2025	\$53.80	\$10.30	\$11.95	\$12.50	\$0.00	\$88.55
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used.	1/1/2026	\$54.85	\$10.35	\$12.00	\$12.60	\$0.00	\$89.80
PAINTERS LOCAL 35							
PAINTERS LOCAL 35 - ZONE 1							

Apprentice: PAINTER / TAPER (BRUSH, NEW) ***Effective Date: 7/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.90	\$10.30	\$0.00	\$0.00	\$0.00	\$37.20
2	55.00	\$29.59	\$10.30	\$0.00	\$6.88	\$0.00	\$46.77
3	60.00	\$32.28	\$10.30	\$0.00	\$7.50	\$0.00	\$50.08
4	65.00	\$34.97	\$10.30	\$0.00	\$8.13	\$0.00	\$53.40
5	70.00	\$37.66	\$10.30	\$11.95	\$8.75	\$0.00	\$68.66
6	75.00	\$40.35	\$10.30	\$11.95	\$9.38	\$0.00	\$71.98
7	80.00	\$43.04	\$10.30	\$11.95	\$10.00	\$0.00	\$75.29
8	90.00	\$48.42	\$10.30	\$11.95	\$11.25	\$0.00	\$81.92

Apprentice: PAINTER / TAPER (BRUSH, NEW) ***Effective Date: 1/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$27.43	\$10.35	\$0.00	\$0.00	\$0.00	\$37.78
2	55.00	\$30.17	\$10.35	\$0.00	\$6.93	\$0.00	\$47.45
3	60.00	\$32.91	\$10.35	\$0.00	\$7.56	\$0.00	\$50.82
4	65.00	\$35.65	\$10.35	\$0.00	\$8.19	\$0.00	\$54.19
5	70.00	\$38.40	\$10.35	\$12.00	\$8.82	\$0.00	\$69.57
6	75.00	\$41.14	\$10.35	\$12.00	\$9.45	\$0.00	\$72.94
7	80.00	\$43.88	\$10.35	\$12.00	\$10.08	\$0.00	\$76.31
8	90.00	\$49.37	\$10.35	\$12.00	\$11.34	\$0.00	\$83.06

Apprentice to Journeyworker Ratio: 1:1

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
PAINTER / TAPER (BRUSH, REPAINT)	7/1/2025	\$51.86	\$10.30	\$11.95	\$12.50	\$0.00	\$86.61
PAINTERS LOCAL 35	1/1/2026	\$52.91	\$10.35	\$12.00	\$12.60	\$0.00	\$87.86
PAINTERS LOCAL 35 - ZONE 1							

Apprentice: PAINTER / TAPER (BRUSH, REPAINT)**Effective Date: 7/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$25.93	\$10.30	\$0.00	\$0.00	\$0.00	\$36.23
2	55.00	\$28.52	\$10.30	\$0.00	\$6.88	\$0.00	\$45.70
3	60.00	\$31.12	\$10.30	\$0.00	\$7.50	\$0.00	\$48.92
4	65.00	\$33.71	\$10.30	\$0.00	\$8.13	\$0.00	\$52.14
5	70.00	\$36.30	\$10.30	\$11.95	\$8.75	\$0.00	\$67.30
6	75.00	\$38.90	\$10.30	\$11.95	\$9.38	\$0.00	\$70.53
7	80.00	\$41.49	\$10.30	\$11.95	\$10.00	\$0.00	\$73.74
8	90.00	\$46.67	\$10.30	\$11.95	\$11.25	\$0.00	\$80.17

Apprentice: PAINTER / TAPER (BRUSH, REPAINT)**Effective Date: 1/1/2026**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	50.00	\$26.46	\$10.35	\$0.00	\$0.00	\$0.00	\$36.81
2	55.00	\$29.10	\$10.35	\$0.00	\$6.93	\$0.00	\$46.38
3	60.00	\$31.75	\$10.35	\$0.00	\$7.56	\$0.00	\$49.66
4	65.00	\$34.39	\$10.35	\$0.00	\$8.19	\$0.00	\$52.93
5	70.00	\$37.04	\$10.35	\$12.00	\$8.82	\$0.00	\$68.21
6	75.00	\$39.68	\$10.35	\$12.00	\$9.45	\$0.00	\$71.48
7	80.00	\$42.33	\$10.35	\$12.00	\$10.08	\$0.00	\$74.76
8	90.00	\$47.62	\$10.35	\$12.00	\$11.34	\$0.00	\$81.31

Apprentice to Journeyworker Ratio: 1:1

PAINTER TRAFFIC MARKINGS (HEAVY/HIGHWAY)	6/1/2025	\$47.70	\$9.90	\$9.25	\$9.65	\$0.00	\$76.50
LABORERS	12/1/2025	\$49.20	\$9.90	\$9.25	\$9.65	\$0.00	\$78.00
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$50.75	\$9.90	\$9.25	\$9.65	\$0.00	\$79.55
	12/1/2026	\$52.25	\$9.90	\$9.25	\$9.65	\$0.00	\$81.05

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

PANEL & PICKUP TRUCKS DRIVER	8/1/2025	\$41.88	\$15.41	\$20.17	\$0.00	\$0.00	\$77.46
TEAMSTERS JOINT COUNCIL NO. 10	12/1/2025	\$41.88	\$15.41	\$21.78	\$0.00	\$0.00	\$79.07
TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	6/1/2026	\$42.88	\$15.41	\$21.78	\$0.00	\$0.00	\$80.07
	8/1/2026	\$42.88	\$15.91	\$21.78	\$0.00	\$0.00	\$80.57
	12/1/2026	\$42.88	\$15.91	\$23.52	\$0.00	\$0.00	\$82.31

PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK)	8/1/2024	\$55.79	\$10.08	\$11.62	\$12.67	\$0.00	\$90.16
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 1)							

For apprentice rates see "Apprentice- PILE DRIVER"

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
PILE DRIVER	8/1/2024	\$55.79	\$10.08	\$11.62	\$12.67	\$0.00	\$90.16
PILE DRIVER LOCAL 56							
PILE DRIVER LOCAL 56 (ZONE 1)							

Apprentice: PILE DRIVER**Effective Date: 8/1/2024**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	45.00	\$25.11	\$10.08	\$0.00	\$2.53	\$0.00	\$37.72
2	55.00	\$30.68	\$10.08	\$0.00	\$5.07	\$0.00	\$45.83
3	70.00	\$39.05	\$10.08	\$11.62	\$7.60	\$0.00	\$68.35
4	80.00	\$44.63	\$10.08	\$11.62	\$10.14	\$0.00	\$76.47

Apprentice to Journeyworker Ratio: 1:5

PIPEFITTER & STEAMFITTER	3/1/2025	\$68.88	\$12.70	\$13.05	\$8.75	\$0.00	\$103.38
PIPEFITTERS LOCAL 537							
PIPEFITTERS LOCAL 537							

Apprentice: PIPEFITTER & STEAMFITTER**Effective Date: 3/1/2025**

Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	40.00	\$27.55	\$12.70	\$0.30	\$8.75	\$0.00	\$49.30
2	45.00	\$31.00	\$12.70	\$13.05	\$8.75	\$0.00	\$65.50
3	60.00	\$41.33	\$12.70	\$13.05	\$8.75	\$0.00	\$75.83
4	70.00	\$48.22	\$12.70	\$13.05	\$8.75	\$0.00	\$82.72
5	80.00	\$55.10	\$12.70	\$13.05	\$8.75	\$0.00	\$89.60

Apprentice to Journeyworker Ratio: 1:3

PIPELAYER	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

PIPELAYER (HEAVY & HIGHWAY)	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
LABORERS	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

PLUMBERS & GASFITTERS	3/2/2025	\$69.84	\$14.32	\$12.31	\$8.00	\$0.00	\$104.47
PLUMBERS & GASFITTERS LOCAL 12							
PLUMBERS & GASFITTERS LOCAL 12							

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: PLUMBERS & GASFITTERS							
Effective Date: 3/2/2025							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
1	35.00	\$24.44	\$14.32	\$4.61	\$2.80	\$0.00	\$46.17
2	40.00	\$27.94	\$14.32	\$5.22	\$3.20	\$0.00	\$50.68
3	55.00	\$38.41	\$14.32	\$7.07	\$4.40	\$0.00	\$64.20
4	65.00	\$45.40	\$14.32	\$8.30	\$5.20	\$0.00	\$73.22
5	75.00	\$52.38	\$14.32	\$9.53	\$6.00	\$0.00	\$82.23

Apprentice to Journeyworker Ratio: 1:2

PNEUMATIC CONTROLS (TEMP.)	3/1/2025	\$68.88	\$12.70	\$13.05	\$8.75	\$0.00	\$103.38
PIPEFITTERS LOCAL 537							
PIPEFITTERS LOCAL 537							

For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

PNEUMATIC DRILL/TOOL OPERATOR	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

PNEUMATIC DRILL/TOOL OPERATOR (HEAVY & HIGHWAY)	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
LABORERS	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

POWDERMAN & BLASTER	6/1/2025	\$48.60	\$9.90	\$9.25	\$9.65	\$0.00	\$77.40
LABORERS	12/1/2025	\$50.10	\$9.90	\$9.25	\$9.65	\$0.00	\$78.90
LABORERS - ZONE 1	6/1/2026	\$51.65	\$9.90	\$9.25	\$9.65	\$0.00	\$80.45
	12/1/2026	\$53.15	\$9.90	\$9.25	\$9.65	\$0.00	\$81.95
	6/1/2027	\$54.75	\$9.90	\$9.25	\$9.65	\$0.00	\$83.55
	12/1/2027	\$56.35	\$9.90	\$9.25	\$9.65	\$0.00	\$85.15
	6/1/2028	\$58.03	\$9.90	\$9.25	\$9.65	\$0.00	\$86.83
	12/1/2028	\$59.70	\$9.90	\$9.25	\$9.65	\$0.00	\$88.50

For apprentice rates see "Apprentice- LABORER"

POWDERMAN & BLASTER (HEAVY & HIGHWAY)	6/1/2025	\$48.70	\$9.90	\$9.25	\$9.65	\$0.00	\$77.50
LABORERS	12/1/2025	\$50.20	\$9.90	\$9.25	\$9.65	\$0.00	\$79.00
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$51.75	\$9.90	\$9.25	\$9.65	\$0.00	\$80.55
	12/1/2026	\$53.25	\$9.90	\$9.25	\$9.65	\$0.00	\$82.05

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
POWER SHOVEL/DERRICK/TRENCHING MACHINE	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PUMP OPERATOR (CONCRETE)	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

PUMP OPERATOR (DEWATERING, OTHER)	6/1/2025	\$37.52	\$15.55	\$13.25	\$3.25	\$0.00	\$69.57
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$38.47	\$15.55	\$13.25	\$3.25	\$0.00	\$70.52
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$39.33	\$15.55	\$13.25	\$3.25	\$0.00	\$71.38
	12/1/2026	\$40.28	\$15.55	\$13.25	\$3.25	\$0.00	\$72.33

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

READY-MIX CONCRETE DRIVER	8/1/2023	\$25.00	\$13.91	\$6.90	\$0.00	\$0.00	\$45.81
TEAMSTERS 653							
TEAMSTERS 653 - Southeastern Concrete (Weymouth)							

RECLAIMERS	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

RIDE-ON MOTORIZED BUGGY OPERATOR	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

ROLLER/SPREADER/MULCHING MACHINE	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

ROOFER (Inc.Roofers Waterproofng &Roofers Damproofg)	8/1/2025	\$53.53	\$13.28	\$12.67	\$9.03	\$0.00	\$88.51
ROOFERS LOCAL 33	2/1/2026	\$54.78	\$13.28	\$12.67	\$9.03	\$0.00	\$89.76

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
Apprentice: ROOFER (Inc.Roofers Waterproofng &Roofers Damproofg)								
Effective Date: 8/1/2025								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Unemployment	Total Rate
1	50.00	\$26.77	\$13.28	\$6.52	\$9.03	\$0.00	\$0.00	\$55.60
2	60.00	\$32.12	\$13.28	\$12.67	\$9.03	\$0.00	\$0.00	\$67.10
3	65.00	\$34.79	\$13.28	\$12.67	\$9.03	\$0.00	\$0.00	\$69.77
4	75.00	\$40.15	\$13.28	\$12.67	\$9.03	\$0.00	\$0.00	\$75.13
5	85.00	\$45.50	\$13.28	\$12.67	\$9.03	\$0.00	\$0.00	\$80.48

Classification	Effective Date	Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Total Rate
Apprentice: ROOFER (Inc.Roofers Waterproofng &Roofers Damproofg)									
Effective Date: 2/1/2026									
1	50.00		\$27.39	\$13.28	\$6.52	\$9.03	\$0.00	\$0.00	\$56.22
2	60.00		\$32.87	\$13.28	\$12.67	\$9.03	\$0.00	\$0.00	\$67.85
3	65.00		\$35.61	\$13.28	\$12.67	\$9.03	\$0.00	\$0.00	\$70.59
4	75.00		\$41.09	\$13.28	\$12.67	\$9.03	\$0.00	\$0.00	\$76.07
5	85.00		\$46.56	\$13.28	\$12.67	\$9.03	\$0.00	\$0.00	\$81.54

Apprentice Notes

** 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1

Apprentice to Journeyworker Ratio: 1:5

ROOFER SLATE / TILE / PRECAST CONCRETE	8/1/2025	\$53.78	\$13.28	\$12.67	\$9.03	\$0.00	\$88.76
ROOFERS LOCAL 33	2/1/2026	\$55.03	\$13.28	\$12.67	\$9.03	\$0.00	\$90.01
ROOFERS LOCAL 33							

For apprentice rates see "Apprentice- ROOFER"

SHEETMETAL WORKER	8/1/2025	\$60.98	\$14.91	\$18.74	\$9.53	\$2.98	\$107.14
SHEETMETAL WORKERS LOCAL 17	2/1/2026	\$62.93	\$14.91	\$18.74	\$9.53	\$2.98	\$109.09
SHEETMETAL WORKERS LOCAL 17 - A							

Classification	Effective Date	Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental	Total Rate
Apprentice: SHEETMETAL WORKER									
Effective Date: 8/1/2025									
1	42.00		\$25.61	\$14.91	\$6.13	\$0.00	\$0.00	\$0.00	\$46.65
2	42.00		\$25.61	\$14.91	\$6.13	\$0.00	\$0.00	\$0.00	\$46.65
3	47.00		\$28.66	\$14.91	\$11.01	\$1.25	\$1.62	\$1.62	\$57.45
4	47.00		\$28.66	\$14.91	\$11.01	\$1.25	\$1.62	\$1.62	\$57.45
5	52.00		\$31.71	\$14.91	\$11.74	\$1.50	\$1.74	\$1.74	\$61.60
6	52.00		\$31.71	\$14.91	\$11.74	\$1.75	\$1.75	\$1.75	\$61.86
7	60.00		\$36.59	\$14.91	\$12.90	\$2.00	\$1.93	\$1.93	\$68.33
8	65.00		\$39.64	\$14.91	\$13.63	\$2.25	\$2.04	\$2.04	\$72.47

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
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Apprentice: SHEETMETAL WORKER**Effective Date: 8/1/2025**

Step	Percent	Apprentice	Health	Pension	Annuity	Supplemental	Total Rate
		Base Wage				Unemployment	
9	75.00	\$45.74	\$14.91	\$15.09	\$2.75	\$2.28	\$80.77
10	85.00	\$51.83	\$14.91	\$16.55	\$2.75	\$2.49	\$88.53

Apprentice: SHEETMETAL WORKER**Effective Date: 2/1/2026**

Step	Percent	Apprentice	Health	Pension	Annuity	Supplemental	Total Rate
		Base Wage				Unemployment	
1	42.00	\$26.43	\$14.91	\$6.19	\$0.00	\$0.00	\$47.53
2	42.00	\$26.43	\$14.91	\$6.19	\$0.00	\$0.00	\$47.53
3	47.00	\$29.58	\$14.91	\$10.93	\$1.25	\$1.62	\$58.29
4	47.00	\$29.58	\$14.91	\$10.93	\$1.25	\$1.62	\$58.29
5	52.00	\$32.72	\$14.91	\$11.66	\$1.50	\$1.74	\$62.53
6	52.00	\$32.72	\$14.91	\$11.66	\$1.75	\$1.75	\$62.79
7	60.00	\$37.76	\$14.91	\$12.84	\$2.00	\$1.93	\$69.44
8	65.00	\$40.90	\$14.91	\$13.58	\$2.25	\$2.04	\$73.68
9	75.00	\$47.20	\$14.91	\$15.06	\$2.75	\$2.28	\$82.20
10	85.00	\$53.49	\$14.91	\$16.53	\$2.75	\$2.49	\$90.17

Apprentice to Journeyworker Ratio: 1:4

SPECIALIZED EARTH MOVING EQUIP < 35 TONS	8/1/2025	\$42.34	\$15.41	\$20.17	\$0.00	\$0.00	\$77.92
TEAMSTERS JOINT COUNCIL NO. 10	12/1/2025	\$42.34	\$15.41	\$21.78	\$0.00	\$0.00	\$79.53
TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	6/1/2026	\$43.34	\$15.41	\$21.78	\$0.00	\$0.00	\$80.53
	8/1/2026	\$43.34	\$15.91	\$21.78	\$0.00	\$0.00	\$81.03
	12/1/2026	\$43.34	\$15.91	\$23.52	\$0.00	\$0.00	\$82.77
SPECIALIZED EARTH MOVING EQUIP > 35 TONS	8/1/2025	\$42.63	\$15.41	\$20.17	\$0.00	\$0.00	\$78.21
TEAMSTERS JOINT COUNCIL NO. 10	12/1/2025	\$42.63	\$15.41	\$21.78	\$0.00	\$0.00	\$79.82
TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	6/1/2026	\$43.63	\$15.41	\$21.78	\$0.00	\$0.00	\$80.82
	8/1/2026	\$43.63	\$15.91	\$21.78	\$0.00	\$0.00	\$81.32
	12/1/2026	\$43.63	\$15.91	\$23.52	\$0.00	\$0.00	\$83.06
SPRINKLER FITTER	3/1/2025	\$70.80	\$12.25	\$7.40	\$17.00	\$0.00	\$107.45
SPRINKLER FITTERS LOCAL 550							
SPRINKLER FITTERS LOCAL 550 - (Section A) Zone 1							

Apprentice: SPRINKLER FITTER**Effective Date: 3/1/2025**

Step	Percent	Apprentice	Health	Pension	Annuity	Supplemental	Total Rate
		Base Wage				Unemployment	
1	35.00	\$24.78	\$11.51	\$13.35	\$0.00	\$0.00	\$49.64
2	40.00	\$28.32	\$11.51	\$14.20	\$0.00	\$0.00	\$54.03
3	45.00	\$31.86	\$11.51	\$15.05	\$0.00	\$0.00	\$58.42

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
Apprentice: SPRINKLER FITTER								
Effective Date: 3/1/2025								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
4	50.00	\$35.40	\$11.51	\$15.90	\$0.00	\$0.00	\$62.81	
5	55.00	\$38.94	\$11.51	\$16.75	\$0.00	\$0.00	\$67.20	
6	60.00	\$42.48	\$11.51	\$17.60	\$0.00	\$0.00	\$71.59	
7	65.00	\$46.02	\$11.51	\$19.30	\$0.00	\$0.00	\$76.83	
8	70.00	\$49.56	\$11.51	\$18.85	\$0.00	\$0.00	\$79.92	
9	75.00	\$53.10	\$11.51	\$20.15	\$0.00	\$0.00	\$84.76	
10	80.00	\$56.64	\$11.51	\$21.00	\$0.00	\$0.00	\$89.15	
Apprentice Notes								
Apprentice entered prior 9/30/10:								
Apprentice to Journeyworker Ratio: 1:3								
STEAM BOILER OPERATOR		6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4		12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4		6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
		12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"								
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN		6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4		12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
OPERATING ENGINEERS LOCAL 4		6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
		12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"								
TELECOMMUNICATION TECHNICIAN		9/1/2025	\$52.94	\$13.00	\$13.97	\$6.98	\$0.00	\$86.89
ELECTRICIANS LOCAL 103		3/1/2026	\$53.49	\$13.00	\$14.23	\$7.20	\$0.00	\$87.92
ELECTRICIANS LOCAL 103		9/1/2026	\$55.02	\$13.00	\$14.28	\$7.20	\$0.00	\$89.50
		3/1/2027	\$55.98	\$13.00	\$14.31	\$7.20	\$0.00	\$90.49
		9/1/2027	\$57.50	\$13.00	\$14.36	\$7.20	\$0.00	\$92.06
		3/1/2028	\$58.46	\$13.00	\$14.38	\$7.20	\$0.00	\$93.04
Apprentice: TELECOMMUNICATION TECHNICIAN								
Effective Date: 9/1/2025								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
1	45.00	\$23.82	\$13.00	\$0.71	\$0.00	\$0.00	\$37.53	
2	45.00	\$23.82	\$13.00	\$0.71	\$0.00	\$0.00	\$37.53	
3	50.00	\$26.47	\$13.00	\$13.17	\$3.49	\$0.00	\$56.13	
4	50.00	\$26.47	\$13.00	\$13.17	\$3.49	\$0.00	\$56.13	
5	55.00	\$29.12	\$13.00	\$13.25	\$3.84	\$0.00	\$59.21	
6	60.00	\$31.76	\$13.00	\$13.33	\$4.19	\$0.00	\$62.28	
7	65.00	\$34.41	\$13.00	\$13.41	\$4.54	\$0.00	\$65.36	

Construction

Classification		Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: TELECOMMUNICATION TECHNICIAN								
Effective Date: 9/1/2025								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
8	70.00	\$37.06	\$13.00	\$13.49	\$4.89	\$0.00	\$68.44	
9	75.00	\$39.71	\$13.00	\$13.57	\$5.24	\$0.00	\$71.52	
10	80.00	\$42.35	\$13.00	\$13.65	\$5.58	\$0.00	\$74.58	

Classification		Effective Date	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: TELECOMMUNICATION TECHNICIAN								
Effective Date: 3/1/2026								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
1	45.00	\$24.07	\$13.00	\$0.72	\$0.00	\$0.00	\$37.79	
2	45.00	\$24.07	\$13.00	\$0.72	\$0.00	\$0.00	\$37.79	
3	50.00	\$26.75	\$13.00	\$13.43	\$3.60	\$0.00	\$56.78	
4	50.00	\$26.75	\$13.00	\$13.43	\$3.60	\$0.00	\$56.78	
5	55.00	\$29.42	\$13.00	\$13.51	\$3.96	\$0.00	\$59.89	
6	60.00	\$32.09	\$13.00	\$13.59	\$4.32	\$0.00	\$63.00	
7	65.00	\$34.77	\$13.00	\$13.67	\$4.68	\$0.00	\$66.12	
8	70.00	\$37.44	\$13.00	\$13.75	\$5.04	\$0.00	\$69.23	
9	75.00	\$40.12	\$13.00	\$13.83	\$5.40	\$0.00	\$72.35	
10	80.00	\$42.79	\$13.00	\$13.91	\$5.76	\$0.00	\$75.46	

Apprentice to Journeyworker Ratio: 1:1

TERRAZZO FINISHERS	8/1/2025	\$66.89	\$11.49	\$15.57	\$8.02	\$0.00	\$101.97
BRICKLAYERS LOCAL 3	2/1/2026	\$68.24	\$11.49	\$15.57	\$8.02	\$0.00	\$103.32
BRICKLAYERS LOCAL 3 - MARBLE & TILE	8/1/2026	\$70.44	\$11.49	\$15.57	\$8.02	\$0.00	\$105.52
	2/1/2027	\$71.84	\$11.49	\$15.57	\$8.02	\$0.00	\$106.92

Classification		Effective Date	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: TERRAZZO FINISHERS								
Effective Date: 8/1/2025								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
1	50.00	\$33.45	\$11.49	\$15.57	\$8.02	\$0.00	\$68.53	
2	60.00	\$40.13	\$11.49	\$15.57	\$8.02	\$0.00	\$75.21	
3	70.00	\$46.82	\$11.49	\$15.57	\$8.02	\$0.00	\$81.90	
4	80.00	\$53.51	\$11.49	\$15.57	\$8.02	\$0.00	\$88.59	
5	90.00	\$60.20	\$11.49	\$15.57	\$8.02	\$0.00	\$95.28	

Classification		Effective Date	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: TERRAZZO FINISHERS								
Effective Date: 2/1/2026								
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate	
1	50.00	\$34.12	\$11.49	\$15.57	\$8.02	\$0.00	\$69.20	

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
Apprentice: TERRAZZO FINISHERS							
Effective Date: 2/1/2026							
Step	Percent	Apprentice Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
2	60.00	\$40.94	\$11.49	\$15.57	\$8.02	\$0.00	\$76.02
3	70.00	\$47.77	\$11.49	\$15.57	\$8.02	\$0.00	\$82.85
4	80.00	\$54.59	\$11.49	\$15.57	\$8.02	\$0.00	\$89.67
5	90.00	\$61.42	\$11.49	\$15.57	\$8.02	\$0.00	\$96.50
Apprentice to Journeyworker Ratio: 1:5							
TEST BORING DRILLER LABORERS	6/1/2025	\$51.70	\$9.90	\$9.25	\$9.80	\$0.00	\$80.65
LABORERS - FOUNDATION AND MARINE	12/1/2025	\$53.20	\$9.90	\$9.25	\$9.80	\$0.00	\$82.15
	6/1/2026	\$54.75	\$9.90	\$9.25	\$9.80	\$0.00	\$83.70
	12/1/2026	\$56.25	\$9.90	\$9.25	\$9.80	\$0.00	\$85.20
For apprentice rates see "Apprentice- LABORER"							
TEST BORING DRILLER HELPER LABORERS	6/1/2025	\$47.82	\$9.90	\$9.25	\$9.80	\$0.00	\$76.77
LABORERS - FOUNDATION AND MARINE	12/1/2025	\$49.32	\$9.90	\$9.25	\$9.80	\$0.00	\$78.27
	6/1/2026	\$50.87	\$9.90	\$9.25	\$9.80	\$0.00	\$79.82
	12/1/2026	\$52.37	\$9.90	\$9.25	\$9.80	\$0.00	\$81.32
For apprentice rates see "Apprentice- LABORER"							
TEST BORING LABORER LABORERS	6/1/2025	\$47.70	\$9.90	\$9.25	\$9.80	\$0.00	\$76.65
LABORERS - FOUNDATION AND MARINE	12/1/2025	\$49.20	\$9.90	\$9.25	\$9.80	\$0.00	\$78.15
	6/1/2026	\$50.75	\$9.90	\$9.25	\$9.80	\$0.00	\$79.70
	12/1/2026	\$52.25	\$9.90	\$9.25	\$9.80	\$0.00	\$81.20
For apprentice rates see "Apprentice- LABORER"							
TRACTORS/PORTABLE STEAM GENERATORS OPERATING ENGINEERS LOCAL 4	6/1/2025	\$57.68	\$15.55	\$13.25	\$3.25	\$0.00	\$89.73
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.12	\$15.55	\$13.25	\$3.25	\$0.00	\$91.17
	6/1/2026	\$60.40	\$15.55	\$13.25	\$3.25	\$0.00	\$92.45
	12/1/2026	\$61.84	\$15.55	\$13.25	\$3.25	\$0.00	\$93.89
For apprentice rates see "Apprentice- OPERATING ENGINEERS"							
TRAILERS FOR EARTH MOVING EQUIPMENT TEAMSTERS JOINT COUNCIL NO. 10	8/1/2025	\$42.92	\$15.41	\$20.17	\$0.00	\$0.00	\$78.50
TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	12/1/2025	\$42.92	\$15.41	\$21.78	\$0.00	\$0.00	\$80.11
	6/1/2026	\$43.92	\$15.41	\$21.78	\$0.00	\$0.00	\$81.11
	8/1/2026	\$43.92	\$15.91	\$21.78	\$0.00	\$0.00	\$81.61
	12/1/2026	\$43.92	\$15.91	\$23.52	\$0.00	\$0.00	\$83.35
TUNNEL WORK - COMPRESSED AIR LABORERS							
LABORERS (COMPRESSED AIR)	6/1/2025	\$59.93	\$9.90	\$9.25	\$10.25	\$0.00	\$89.33
	12/1/2025	\$61.43	\$9.90	\$9.25	\$10.25	\$0.00	\$90.83
	6/1/2026	\$62.98	\$9.90	\$9.25	\$10.25	\$0.00	\$92.38
	12/1/2026	\$64.48	\$9.90	\$9.25	\$10.25	\$0.00	\$93.88
For apprentice rates see "Apprentice- LABORER"							
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) LABORERS	6/1/2025	\$61.93	\$9.90	\$9.25	\$10.25	\$0.00	\$91.33
	12/1/2025	\$63.43	\$9.90	\$9.25	\$10.25	\$0.00	\$92.83

Construction

Classification	Effective Date	Base Wage	Health	Pension	Annuity	Supplemental Unemployment	Total Rate
LABORERS (COMPRESSED AIR)	6/1/2026	\$64.98	\$9.90	\$9.25	\$10.25	\$0.00	\$94.38
	12/1/2026	\$66.48	\$9.90	\$9.25	\$10.25	\$0.00	\$95.88

For apprentice rates see "Apprentice- LABORER"

TUNNEL WORK - FREE AIR	6/1/2025	\$52.00	\$9.90	\$9.25	\$10.25	\$0.00	\$81.40
LABORERS	12/1/2025	\$53.50	\$9.90	\$9.25	\$10.25	\$0.00	\$82.90
LABORERS (FREE AIR TUNNEL)	6/1/2026	\$55.05	\$9.90	\$9.25	\$10.25	\$0.00	\$84.45
	12/1/2026	\$56.55	\$9.90	\$9.25	\$10.25	\$0.00	\$85.95

For apprentice rates see "Apprentice- LABORER"

TUNNEL WORK - FREE AIR (HAZ. WASTE)	6/1/2025	\$54.00	\$9.90	\$9.25	\$10.25	\$0.00	\$83.40
LABORERS	12/1/2025	\$55.50	\$9.90	\$9.25	\$10.25	\$0.00	\$84.90
LABORERS (FREE AIR TUNNEL)	6/1/2026	\$57.05	\$9.90	\$9.25	\$10.25	\$0.00	\$86.45
	12/1/2026	\$58.55	\$9.90	\$9.25	\$10.25	\$0.00	\$87.95

For apprentice rates see "Apprentice- LABORER"

VAC-HAUL	8/1/2025	\$42.34	\$15.41	\$20.17	\$0.00	\$0.00	\$77.92
TEAMSTERS JOINT COUNCIL NO. 10	12/1/2025	\$42.34	\$15.41	\$21.78	\$0.00	\$0.00	\$79.53
TEAMSTERS JOINT COUNCIL NO. 10 ZONE A	6/1/2026	\$43.34	\$15.41	\$21.78	\$0.00	\$0.00	\$80.53
	8/1/2026	\$43.34	\$15.91	\$21.78	\$0.00	\$0.00	\$81.03
	12/1/2026	\$43.34	\$15.91	\$23.52	\$0.00	\$0.00	\$82.77

WAGON DRILL OPERATOR	6/1/2025	\$47.85	\$9.90	\$9.25	\$9.65	\$0.00	\$76.65
LABORERS	12/1/2025	\$49.35	\$9.90	\$9.25	\$9.65	\$0.00	\$78.15
LABORERS - ZONE 1	6/1/2026	\$50.90	\$9.90	\$9.25	\$9.65	\$0.00	\$79.70
	12/1/2026	\$52.40	\$9.90	\$9.25	\$9.65	\$0.00	\$81.20
	6/1/2027	\$54.00	\$9.90	\$9.25	\$9.65	\$0.00	\$82.80
	12/1/2027	\$55.60	\$9.90	\$9.25	\$9.65	\$0.00	\$84.40
	6/1/2028	\$57.28	\$9.90	\$9.25	\$9.65	\$0.00	\$86.08
	12/1/2028	\$58.95	\$9.90	\$9.25	\$9.65	\$0.00	\$87.75

For apprentice rates see "Apprentice- LABORER"

WAGON DRILL OPERATOR (HEAVY & HIGHWAY)	6/1/2025	\$47.95	\$9.90	\$9.25	\$9.65	\$0.00	\$76.75
LABORERS	12/1/2025	\$49.45	\$9.90	\$9.25	\$9.65	\$0.00	\$78.25
LABORERS - ZONE 1 (HEAVY & HIGHWAY)	6/1/2026	\$51.00	\$9.90	\$9.25	\$9.65	\$0.00	\$79.80
	12/1/2026	\$52.50	\$9.90	\$9.25	\$9.65	\$0.00	\$81.30

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

WASTE WATER PUMP OPERATOR	6/1/2025	\$58.33	\$15.55	\$13.25	\$3.25	\$0.00	\$90.38
OPERATING ENGINEERS LOCAL 4	12/1/2025	\$59.78	\$15.55	\$13.25	\$3.25	\$0.00	\$91.83
OPERATING ENGINEERS LOCAL 4	6/1/2026	\$61.08	\$15.55	\$13.25	\$3.25	\$0.00	\$93.13
	12/1/2026	\$62.53	\$15.55	\$13.25	\$3.25	\$0.00	\$94.58

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

WATER METER INSTALLER	3/2/2025	\$69.84	\$14.32	\$12.31	\$8.00	\$0.00	\$104.47
PLUMBERS & GASFITTERS LOCAL 12							

For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"

Additional Apprentice Information

All apprentices must be registered with the Division of Apprenticeship Training(DAS) in accordance with M.G.L.c. 23, §§ 11E-11L. Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the hourly prevailing wage rate established by the Commissioner under the provisions of M.G.L.c. 149, §§ 26-27D.

Apprentice ratios are established by DAS pursuant to M.G.L.c. 23, §§ 11E-11L. Ratios are expressed as the allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified. The ratios listed herein have been taken from relevant private collective bargaining agreements(CBAs) and are provided for illustrative purposes only. They have not been independently verified as being accurate or continuing to be accurate.

Parties having questions regarding what ratio to use should contact DAS.

Appendix 8
FORM OF CONTRACT

(SEE ATTACHED DOCUMENT.)

Town of Milton, Massachusetts

Contract [Project Name]

[Contract #]

This Contract is made this [] day of [], 2023, by and between the Town of Milton, Massachusetts, with an address of Milton Town Hall, 525 Canton Ave, Milton MA 02186, acting by the Milton Select Board (hereinafter the "Town of Milton," the "Town," or the "Owner"), and [], a corporation organized under the laws of Massachusetts, with a principal office located at []

[] (hereinafter the "Contractor").

The words "he," "him" and "his" in this Contract, as far as they refer to the Contractor, shall so refer whether the Contractor is an individual, partnership or corporation. All prior contracts, if any exist between the Town and the Contractor, are hereby terminated and shall be of no force and effect.

1. Scope of Services

In consideration of the obligations herein contained, the Contractor shall provide services related to window replacement as outlined in the Invitation for Bids issued by the Select Board of the Town of Milton, Massachusetts, which is incorporated herein by reference.

2. Standard of Care

The Contractor shall furnish all supplies, equipment, and labor necessary for the performance of the services required by this Contract in accordance with the applicable professional standards in the Eastern Massachusetts area. The Contractor warrants that it has in its employ, and throughout the term of the Contract or any extension or renewal thereof, will continue to have a sufficient number of persons experienced in developing and providing services required by this Contract, such that the Contractor's obligations under the Contract will be carried out in a prompt, safe and professional manner.

3. Term

The term of this Contract shall commence as of the execution date of this contract and shall end [] later. Time is of the essence in the performance of services rendered by the Contractor under this Contract. The Contractor, therefore, shall achieve final completion of the work by [].

4. Incorporation of the Invitation for Bids/Order of Priority of Contract Documents

The provisions of the IFB and the Contractor's Response are incorporated herein by reference. In the event of any conflict among the Contract Documents, the Documents shall be construed according to the following priorities:

Highest Priority: Amendments to Contract (if any)

Town of Milton, Massachusetts

Contract [Project Name]

[Contract #]

Second Priority:	Contract
Third Priority:	Addenda to the IFB (if any)
Fourth Priority:	IFB
Fifth Priority:	Contractor's Response.

5. Payment

In consideration for performance of the work in accordance with the requirements of this Contract, and in accordance with M.G.L. c.30, §39K, the Town shall pay the Contractor the prices set forth in the Contractor's Response, a copy of which is attached hereto and incorporated by reference. . Price adjustments and retainage shall be calculated and paid according to the IFB.

This Contract is a fixed price contract; and, therefore, miscellaneous expenditures associated with the Contractor's work on this project shall not be paid by the Town. In the event that an unforeseen miscellaneous expense is incurred, the Contractor shall receive the Town's approval in writing prior to incurring the expense if it will subsequently seek payment of said expense from the Town.

The total cost of this contract is \$ **_____**

Payment shall be made to the Contractor for work completed in accordance with this Contract. All requests for payment shall be submitted to the Town as an invoice and shall specify work completed, progress made toward completing deliverables, the number of hours worked, the classification of each employee who performed work, and the billing rate for each employee who performed work on the project.

Payment will be due fifteen (15) days after receipt of the Contractor's invoice by the Town for services rendered in accordance with this Contract. The Town shall not make payments in advance.

If the Town objects to all or part of any invoice, the Town shall notify the Contractor in writing within two (2) weeks of the date of receipt of the invoice, and shall pay that portion of the invoice not in dispute within fifteen (15) days after the date of receipt of the invoice.

Should it be necessary for the Contractor to engage the services of a specialized contractor or companies other than those originally proposed in the Contractor's response to the Town's Invitation for Responses, the Contractor shall take such measures only with the Town's prior written approval. Charges for such services shall be billed directly to the Town unless otherwise agreed upon by the parties.

Payment of the amounts due under this Contract shall release the Town of Milton, Massachusetts and its officers, employees, boards, commissions, committees,

Town of Milton, Massachusetts

Contract [Project Name]

[Contract #]

agents and representatives, from any and all claims and liability in any way relating to this Contract or anything done in pursuance thereof.

No payment by the Town to the Contractor shall be deemed to be a waiver of any right of the Town under this Contract or a ratification by the Town of any breach hereof by the Contractor.

6. Warranty

Any equipment delivered, unless otherwise agreed by the parties, shall be of generally merchantable quality and shall be fit for the purpose sought by the Town of Milton. All manufacturers' warranties on any equipment delivered shall be assigned to the Town of Milton.

7. Compliance with Laws

The Contractor shall comply with all provisions of Federal, Massachusetts and Town of Milton law applicable to his work including, without limitation, statutes, by-laws, rules, regulations, orders and directives, as amended, and including, without limitation, the Williams-Steiger Occupational Safety and Health Act of 1970, as amended, and related regulations, as amended, in effect throughout the term of this Contract and any extension or renewal thereof. Without limitation, the Contractor shall comply with the provisions of Chapter 149, Section 26 to 27D of the Massachusetts General Laws, as amended, and the applicable minimum wage rates as determined by the Massachusetts Commissioner of Labor and Industries. This Contract shall be considered to include in their entirety all terms respecting workers' compensation insurance and other terms required to be included in it by Chapter 152 of the Massachusetts General Laws, as amended, and applicable provisions of any other laws, including, without limitation, Chapter 30, Sections 39F, 39G, 39K, 39L, 39M, 39N, 39O, 39P, and 39R of the Massachusetts General Laws, as amended, and Chapter 149, Sections 34, 34A, and 34B of the Massachusetts General Laws, as amended, and Chapter 82, Section 40 of the Massachusetts General Laws, as amended, as though such terms were set forth in their entirety herein.

8. Insurance

The Contractor shall provide and maintain throughout the term of the Contract and any extension or renewal thereof the following insurance with companies that are authorized and licensed in the Commonwealth of Massachusetts to issue policies for the coverages and limits so required.

- a. Workers' Compensation Insurance as required by the laws of the Commonwealth of Massachusetts and employer's liability insurance in the amount of \$500,000/\$500,000/\$500,000.

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- b. Commercial General Liability Insurance, \$1,000,000 each occurrence and \$2,000,000 aggregate limit. Commercial General Liability insurance shall include personal injury liability, broad form property damage liability, products/completed operations liability and broad form contractual liability.
- c. Automobile Liability Insurance, covering all leased, owned, non-owned, and hired vehicles - Combined single limit of \$1,000,000.
- d. Excess Liability Insurance, Umbrella Form - \$1,000,000 each occurrence and \$2,000,000 aggregate, which shall be following form, providing coverage over commercial general liability insurance, automobile liability insurance, and employer's liability under workers' compensation insurance.
- e. The Town of Milton shall be named as an additional insured on each such policy of Commercial General Liability Insurance, Excess Liability Insurance, Umbrella Form, and Automobile Liability Insurance.
- f. All certificates and policies shall contain the following provision:

“Notwithstanding any other provision herein, should any of the above policies be cancelled or materially amended before the expiration date thereof, the issuing company will mail thirty (30) days prior written notice thereof to the named certificate holder and to the Milton Town Administrator, Milton Town Hall, Address Street, Milton, MA 00000 before such cancellation or amendment shall take place.”
- g. Certificates evidencing such insurance shall be furnished to the Town at the execution of this Agreement. Such certificates shall not merely name the types of policy provided, but shall specifically refer to this Agreement and shall state that such insurance is as required by this Agreement. The Contractor shall make no claims against the Town of Milton or its officers for any injury to any of its officers or employees or for damage to its equipment arising out of work contemplated by the Agreement.
- h. The Contractor shall also be required to provide to the Town of Milton with its proof of insurance coverage endorsements or riders to the policies of commercial general liability insurance, automobile liability insurance, and excess liability insurance, umbrella form, which indicate that the Town of Milton is named as an additional insured on each such policy.
- i. No insurance shall be obtained from an insurer which:
 - (1) is not licensed to sell insurance in the Commonwealth of Massachusetts; or

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(2) is not authorized to provide insurance as an excess or surplus lines insurer, and does not have a current Best's rating of A or better.

j. Failure to provide and continue in force such insurance as aforesaid shall be deemed a material breach of this Contract and shall operate as an immediate termination thereof.

k. The Contractor shall provide to the Town a copy of a certificate of insurance that provides evidence of all environmental liability insurance maintained by the Contractor.

9. **Indemnification**

The Contractor shall compensate the Town of Milton for all damage to Town property of any nature arising out of the Contractor's work. To the fullest extent permitted by law, the Contractor shall indemnify, defend, and hold harmless the Town of Milton and all of its officers, employees, boards, commissions, committees, agents and representatives from and against all claims, causes of action, suits, costs, damages, and liability of any kind which arise out of the breach by the Contractor of its obligations under this Contract, or the act or omission of the Contractor, its subcontractors, or their officers, employees, agents and representatives or anyone directly or indirectly employed by them, or anyone for whose acts or omissions they may be liable, regarding the work to be performed by the Contractor under the Contract, or which arise out of the violation of any federal, Massachusetts or Town of Milton statute, by-law, rule, regulation, order or directive, or which relate to personal injury or property damage suffered by the Contractor or any of its officers or employees regarding the subject matter of this Contract. Said costs shall include, without limitation, reasonable legal costs, collections fees, and counsel fees incurred in defending any claim or suit that may be brought against the Town and any judgment that may be obtained in any such claim or suit.

10. **No Personal Liability**

Neither the Town of Milton, nor its officers, employees, boards, committees, commissions, agents and representatives shall be under any personal obligation or incur any personal liability by reason of this Contract, the execution thereof or anything relating thereto which arises out of the breach or violation of any provision of this Contract, or the violation of any Federal, Massachusetts or Town of Milton statute, by-law, rule, regulation, order or directive, or which relates to personal injury or property damage suffered by the Contractor or its employees, regarding the subject matter of this Contract.

11. **Familiarity with Area of Work**

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By signing this Contract, the Contractor acknowledges that it has examined the area of work which is the subject matter of this Contract and that it is familiar with all sites which are the subject of this Contract and with all conditions of the IFR and of this Contract. The Contractor has entered into this Contract in reliance on its own examinations and estimates as to the amount and character of its work, and conditions which may be encountered in the performance thereof, and shall assume all risks and bear all losses pertaining thereto.

12. Performance Bond

[Deleted]

13. Labor and Materials Payment Bond

Within ten (10) calendar days after notification of award of this Contract by the Town, the Contractor shall deliver to the Town a Labor and Materials Payment Bond, in the amount of one hundred (50%) percent of the Contract price, with a surety company that is acceptable to the Town and that is licensed by the Massachusetts Division of Insurance.

14. Independent Contractor Status

The Contractor shall provide services under this Contract as an independent contractor with the Town of Milton and not as an employee of the Town of Milton. No employee, agent or representative of the Contractor shall be entitled to receive any benefits of employment with the Town of Milton, including without limitation salary, overtime, vacation pay, holiday pay, sick leave, health insurance, life insurance, pension or deferred compensation.

15. Use of Alcohol and Controlled Substances Prohibited

The Contractor hereby acknowledges that the use of alcoholic beverages, narcotics, and mood-altering substances, except for current valid, legal prescriptions, by any officer, employee, agent, or representative of the Contractor is prohibited on Town of Milton property which is the subject matter of this Agreement and during all hours of work under this Agreement. If any officer, employee, agent, or representative of the Contractor violates the foregoing provision, the Town of Milton shall have the right to order that such officer, employee, agent, or representative of the Contractor shall not be permitted to return to work on this Agreement. Under such circumstances, the Contractor shall promptly remove the subject officer, employee, agent, or representative from the job site and shall not permit the subject officer, employee, agent, or representative to perform further work in conjunction with this Agreement.

16. No Smoking

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Pursuant to Massachusetts General Laws (M.G.L.) c. 270, §22, the Commonwealth of Massachusetts Smokefree Workplace Law, the Contractor, its officers, employees, agents, and representatives shall refrain from smoking and from using tobacco products in any public building in the Town of Milton.

17. Criminal Background Screening

For each employee of the Contractor who is performing services under this Contract, the Contractor shall, subject to its confidentiality and privacy obligations owing to its employees and third parties, provide a written confirmation to the Town that such employee passed the Contractor's pre-employment criminal background screen. In the event that any employee refuses to permit the Contractor to provide such information to the Town, the Contractor shall not assign such employee to perform services for the Town, and such employee shall not be authorized to perform services for the Town. The Town shall be permitted to keep such information in its files.

18. Delays/*Force Majeure*

Except as specifically set forth in this Contract, neither party shall hold the other responsible or liable for damages or delays in performance caused by acts of God, interruptions in the availability of labor, or other events beyond the control of the other party, or that could not have been reasonably foreseen or prevented. For this purpose, such acts or events shall include unusually severe weather affecting performance of services, floods, epidemics, wars, riots, strikes, lockouts, or other industrial disturbances, protest demonstrations, and project site conditions which could not have been reasonably anticipated. Should such acts or events occur, both parties shall use their best efforts to overcome the difficulties arising and to resume as soon as reasonably possible the normal pursuit of the services for the Project.

19. Termination

- a. If the Contractor shall breach any provision of this Contract, which breach is not cured within twenty-one (21) days of written notice thereof from the Town to the Contractor, the Town shall have the right to terminate this Contract upon written notice to the Contractor.
- b. If any assignment shall be made by the Contractor or by any guarantor of the Contractor for the benefit of creditors, or if a petition is filed by the Contractor or by any guarantor of the Contractor for adjudication as a bankrupt, or for reorganization or an arrangement under any provision of the Bankruptcy Act as then in force and effect, or if an involuntary petition under any of the provisions of the Bankruptcy Act is filed against the

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Contractor and such involuntary petition is not discharged within ninety (90) days thereafter, in any event the Town may terminate this Contract upon written notice to the Contractor.

- c. The award of this Contract and the continued operation of this Contract are contingent upon appropriation by Milton Town Meeting of sufficient money to fund the Contract. Should Milton Town Meeting fail to appropriate necessary funds therefor, the Town of Milton shall no longer be under any obligation to tender performance, including payment, under the terms of this Contract. In that event, the Town may terminate this Contract upon written notice to the Contractor.
- d. The Town may terminate this Contract upon written notice to the Contractor if a source of money to fund the Contract is lost during the Contract term. In the alternative, the parties may agree in writing to amend the Contract to provide for a Contract price which represents a reduced appropriation for the Contract term.
- e. The Town may also terminate this Contract for convenience upon thirty (30) days' written notice to the Contractor.

In the event of termination, the Contractor shall be entitled to be paid for services rendered in accordance with this Contract prior to termination.

In the event that this Contract is terminated pursuant to Section 19a. or 19b. above, the Town may make any reasonable purchase or contract to purchase services in substitution for services due from the Contractor and may deduct the cost of any substitute contract, or damages sustained by the Town due to non performance or non conformance of services together with incidental and consequential damages from the Contract price, and shall withhold such damages from sums due or sums which become due.

20. Notices

- . Except as otherwise provided in this Contract all notices required or permitted to be given hereunder shall be in writing and shall be delivered by certified mail or registered mail, return receipt requested, to the parties at the following address or such other address or addresses as to which a party shall have notified the other party in accordance with this Section 20.

If to the Town: Nicholas Milano, Town
 Milton Town Hall
 525 Canton Ave
 Milton, MA 02186

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With copies to: Clifford Rhodes Esq.
Murphy, Hesse, Toomey & Lehane, LLP
300 Crown Colony Drive, Suite 410
Quincy, MA 02169

If to the Contractor:

21. Miscellaneous Provisions

- a. Any action at law or suit in equity instituted by the Contractor as a result of the performance, non-performance or alleged breach of this Contract shall be filed in the Superior Court of the Commonwealth of Massachusetts for Norfolk County, MA, and in no other court or jurisdiction.
- b. No action or failure to act by the Town shall constitute a waiver of a right or duty afforded to the Town under the Contract, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed in writing. No forbearance or indulgence in any form or manner by the Town shall be construed as a waiver or in any way limit the legal or equitable remedies available to the Town. No waiver by the Town of any default or breach by the Contractor shall constitute a waiver of any subsequent default or breach.
- c. If the Contractor discovers or is informed of any discrepancy or inconsistency in the Contract Documents in relation to any law, statute, ordinance, by-law, decree, code, rule, regulation, or order, the Contractor shall promptly, before commencing services under this Contract, report the same to the Town in writing.
- d. The Contractor acknowledges that it has not been influenced to enter into this Contract, nor has the Contractor relied upon any warranties or representations not set forth in this instrument.
- e. The Contractor shall maintain the confidentiality of information designated by the Town as confidential, unless withholding such information would violate the law or create a risk of significant harm to the public, or unless the Contractor has been required to release such information by final judgment or order of a court of competent jurisdiction, or unless the Town has expressly waived such confidentiality in advance in writing.

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- f. The Contractor shall not represent or purport to represent that it speaks for the Town vis-à-vis the media or the public at-large without the Town's express, written consent in advance.
- g. Prior to commencing services under this Contract, the Contractor shall furnish the Town, in writing, the names, addresses and telephone numbers of not fewer than two (2) principal employees of his business who are to be contacted in the event of an after-hours emergency.
- h. By entering into this Agreement, the Contractor certifies under penalties of perjury that its Response was made and submitted in good faith and without collusion or fraud with any person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.
- i. By entering into this Agreement, the Contractor certifies under the penalties of perjury, pursuant to M.G.L. c.62C, Section 49A(b), that it has complied with all laws of the Commonwealth relating to taxes, to reporting of employees and contractors, and to withholding and remitting child support.
- j. The Contractor understands that the Massachusetts Conflict of Interest Law, Chapter 268A of the Massachusetts General Laws, applies to the Contractor with respect to the services required to be provided under this Contract. The Contractor and its officers, employees, agents, subcontractors and affiliated agencies shall not participate in any activity which constitutes a violation of the Massachusetts Conflict of Interest Law or which creates an appearance of a violation of the Massachusetts Conflict of Interest Law.
- k. Prevailing wage rates, as contained in the Response documents, shall be paid, pursuant to M.G.L. c.149, §§26-27G, if they are applicable.
- l. The Contractor shall not discriminate against or exclude any person from participation herein on grounds of race, color, religious creed, national origin, sex, gender identity, sexual orientation (which shall not include persons whose sexual orientation involves minor children as the sex object), age, genetic information, ancestry, children, marital status, veteran status or membership in the armed services, the receiving of public assistance, and handicap. The previous sentence shall include, but not be limited to, the following: advertising, recruitment; hiring; rates of pay or other forms of compensation; terms; conditions or privileges of employment; employment upgrading; transfer; demotion; layoff; and termination. The Contractor shall take affirmative actions to insure that

Town of Milton, Massachusetts

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applicants are employed, and that employees are treated during their employment, without regard to race, color, religious creed, national origin, sex, gender identity, sexual orientation (which shall not include persons whose sexual orientation involves minor children as the sex object), age, genetic information, ancestry, children, marital status, veteran status or membership in the armed services, the receiving of public assistance, and handicap.

- m. To the extent that any of the foregoing sections required by Massachusetts law are inconsistent with other, non-statutory sections in this agreement, any statutorily-mandated provisions contained herein shall control.**
- n. The Contractor shall not assign or subcontract in whole or in part this Contract or in any way transfer any interest in this Contract without the prior express written approval of the Town.**
- o. The Contractor shall not assign any money due or to become due to the Contractor unless the Town of Milton shall have received prior written notice of such assignment. No such assignment shall relieve the Contractor of its obligations under this Contract.**
- p. This Contract may be amended only by written consent of the parties.**
- q. This Contract constitutes the entire agreement of the parties and any other agreement, written or oral, that may exist is excluded from this Contract. When executed, this Contract supersedes any other agreement of any of the parties in connection with the transaction contemplated.**
- r. If any provision, or portion thereof, of this Contract shall be adjudged to be invalid or unenforceable by final judgment or order of a court of competent jurisdiction the remaining provisions shall continue in effect to the extent permitted by law.**
- s. The provisions of this Contract shall be binding upon and shall inure to the benefit of the heirs, assigns and successors in interest of the parties.**
- t. This Contract shall be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts, regardless of choice of law issues or principles.**
- u. This Contract is executed in triplicate as a sealed instrument.**

[The remainder of this page is left blank.]

Town of Milton, Massachusetts

Contract [Project Name]

[Contract #]

Town of Milton, Massachusetts

Contract [Project Name]

[Contract #]

The Town of Milton, Massachusetts

(Printed Name of Contractor)

by its Town Administrator,

by:

Signature

Signature

Printed Name

Printed Name

Title

Title

Dated: _____

Dated: _____

APPROVED AS TO AVAILABILITY OF APPROPRIATION:

This is to certify that an appropriation in the amount of this Contract is available therefor, and that the Town Administrator is authorized to execute this Contract and to approve all requisitions and execute change orders.

Finance Director/Town Accountant
Town of Milton

Dated: _____

APPROVED AS TO FORM:

Clifford Rhodes, Esq.

Dated: _____

Town of Milton, Massachusetts

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[Contract #]

CERTIFICATE OF VOTE

I, _____, hereby certify
(Clerk/Secretary)

that I am the duly qualified and acting _____ of

(Title)
(Corporation Name)

and I further certify that at a meeting of the Directors of said Corporation duly called and held on _____ 20 __, at which meeting all Directors were present and voting, the following vote was unanimously passed:

VOTED: To authorize and empower either

_____, _____;
(Name) (Title)
_____, _____; or
(Name) (Title)
_____, _____
(Name) (Title),

any one acting singly, to execute all contracts and bonds on behalf of the Corporation.

I, further certify that the above vote is still in effect on this the _____ day of _____, 20__ and has not been changed or modified in any respect.

Signature

Printed Name

Printed Title

The certification contained hereabove shall be executed by CONTRACTOR or copy of current "certification of authority to sign for the Corporation" shall be attached.)

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079200 Joint Sealants

DIVISION 8

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SECTION 000115 – LIST OF DRAWING SHEETS

1.1 LIST OF DRAWINGS

- A. Drawings:** Contract Drawings of the separately bound drawing set titled **Milton Town Lock-Up, Window Replacement and Exterior Wall Repairs**, dated **03/17/2025**.
- B. List of Drawings:** Drawings consist of the following Contract Drawings:
 - 1. C-000 Cover Sheet
 - 2. A-200 Elevations
 - 3. A-500 Window Details 1 of 2
 - 4. A-502 Window Details 2 of 2
 - 5. A-503 Brick Details

END OF DOCUMENT 000115

SECTION 011000 – SUMMARY OF WORK

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division-1 Specification sections, apply to this section.

1.02 PROJECT/WORK IDENTIFICATION

- A. General: The work shall be under a single sum contract. Unit prices and Alternates shall be submitted, as indicated on the Proposal Form.
- B. Contract Documents: Related requirements and conditions that are indicated on the Contract Documents include, but are not necessarily limited to the following:
 - 1. Existing conditions and restriction on use of the site and portions of the building proper.
 - 2. Alterations and coordination with existing work.
- C. Summary by References: Work of the Contract can be summarized by references to the Contract, General Conditions, Supplementary General Conditions, Specification Sections, Drawings, Addenda and modifications to the Contract Documents issued subsequently to the initial printing of this project manual and including but not necessarily limited to printed material referenced by any of these.

1.03 SCOPE OF WORK

- A. General Conditions, including General Requirements and all other items not mentioned specifically below.
- B. Site safety shall be maintained in compliance with the Town of Milton and local laws and regulations.
- C. Protection of adjacent sidewalks, grounds and plantings as required by the Owner and agencies having jurisdiction.
- D. Protection of adjacent roofs if required.
- E. Abbreviated Summary of the Work: Briefly and without force and effect upon the Contract Documents, the work can be summarized as follows:

Masonry exterior wall repairs, including select areas of rebuilding and full-building repointing, as well as window replacement.

1.04 CONTRACTORS USE OF PREMISES

- A. Use of the Site: Confine operations at the site to the areas permitted under the Contract as outlined by the Owner. Portions of the site beyond areas on which work is indicated are not to be disturbed. Conform to site rules and regulations affecting the work while engaged in project demolition and construction.

- B. Keep driveways and entrances serving the premises clear and available to the Owner, guests of Owner, building employees and essential services at all times. Do not use these areas for parking or storage of materials.
- C. Do not unreasonably encumber the site with materials or equipment. Confine stockpiling of materials and location of storage sheds to the areas designated by the Owner. If additional storage is necessary, obtain and pay for such storage off site.
- D. Lock automotive type vehicles, such as passenger cars and trucks and other mechanized or motorized construction equipment, when parked and unattended, so as to prevent unauthorized use. Do not leave such vehicles or equipment unattended with the motor running or the ignition key in place.
- E. Contractor Use of the Building: Maintain the building in a safe and weathertight as well as watertight condition throughout the demolition and construction period. Repair damage caused by demolition and construction operations. Take all precautions necessary to protect the building and its occupants, guests and employees during the demolition and construction period. Modify all precautions when so directed by the Owner.
- F. Keep public areas such as hallways, stairs, and elevator lobbies and toilet rooms free from accumulation of waste material, rubbish or construction debris.
- G. Smoking or open fires will not be permitted on the premises.

1.05 OWNER OCCUPANCY

- A. Full Owner Occupancy: The Owner will occupy the building during the entire period of selective demolition and construction. Cooperate fully with the Owner or his representative during demolition and construction operations to minimize conflicts and to facilitate Owner usage. **Demolition work will be allowed only between 8:00 am and 5:00pm, unless owner permits.**
- B. The Contractor is permitted to work on the premises at all other times. Examples of disruptive activities include, but are not limited to, continuous use of jackhammers, and other power tools such as circular saws, drywall screw guns, etc. within earshot of the interior of the occupied space.

1.06 ALTERATIONS AND COORDINATION

- A. General: In addition to the Work shown or specified in the Contract Documents the work of this Contract also includes closely monitored coordination of the entire work of the project, including preparation of general coordination drawings, diagrams and schedules, and control of site utilization, from beginning of demolition activity through project close-out and warranty periods.

1.07 CONTRACTOR'S ERRORS

- A. In the event of the Contractor's error, negligence, lack of control, and/or coordination, or the substitution of unspecified materials should the Architect and/or his consultants be required to spend time or to check or to provide a corrective solution by means of office time, field trips, drawings, conference, laboratory analyses and/or testing, etc., the Contractor involved shall be required to pay these costs at the rates charged to the Owner in accordance with the agreement between the Owner and the Architect, together with disbursements. Said costs will be paid for by the Owner and at the completion of the work, will be deducted from the contract sum due the Contractor.

1.08 BONDS

- A. A separate bond shall be furnished specifically guaranteeing to the Owner that any defects in workmanship or materials and any damage resulting therefrom which is observed within one year from the date of final payments or completion will be repaired or replaced pursuant to the guarantee provisions of the Contract Documents.
- B. Attorney-in-fact who signs bond must file with each bond a certified copy of his Power of Attorney to sign said bonds. The bonds and the surety shall be subject to the approval of the Owner.

PART 2 – PRODUCTS – None

PART 3 – EXECUTION – None

END OF SECTION 011000

SECTION 012900 – PAYMENT PROCEDURES

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary General Conditions and other Division-1 Specification Sections, apply to Work of this section.

1.02 DESCRIPTION OF WORK

- A. This Section specifies administrative and procedural requirements governing the Contractor's Applications for Payment in addition to those set forth in the other Contract Documents.
 - 1. Coordinate the Schedule of Values and Applications for Payment with the Contractor's Construction Schedule, List of Subcontracts, and Submittal Schedule.
- B. The Contractor's Construction Schedule and Submittal Schedule are included in Section 013100.

1.03 SCHEDULE OF VALUES

- A. Coordinate preparation of the Schedule of Values with preparation of the Contractor's Construction Schedule.
 - 1. Correlate line items in the Schedule of Values with other required administrative schedules and forms, including:
 - a. Contractor's Construction Schedule.
 - b. Application for Payment form.
 - c. List of subcontractors.
 - d. List of products.
 - e. List of principal suppliers and fabricators.
 - f. Schedule of submittals.
 - 2. Submit the Schedule of Values to the Architect at the earliest feasible date, but in no case later than 7 days before the date scheduled for submittal of the initial Application for Payment.
 - 3. Sub-Schedules: Where the Work is separated into phases that require separately phased payments, provide sub-schedules showing values correlated with each phase of payment.
- B. Format and Content: Use the Project Manual Table of Contents and the information listed in the Bid Proposal Form as a guide to establish the format for the Schedule of Values.
 - 1. Identification: Include the following Project identification on the Schedule of Values:
 - a. Project name and location.
 - b. Name of the Engineer/Architect.

- c. Project number.
- d. Contractor's name and address.
- e. Date of submittal.

2. Arrange the Schedule of Values in a tabular form with separate columns to indicate the following for each item listed:

- a. Generic name.
- b. Related Specification Section.
- c. Name of subcontractor.
- d. Name of manufacturer or fabricator.
- e. Name of supplier.
- f. Change Orders (numbers) that have affected value.
- g. Dollar value.
- h. Percentage of Contract Sum to the nearest one hundredth percent, adjusted to total 100 percent.

3. Provide a breakdown of the Contract Sum in sufficient detail to facilitate continued evaluation of Applications for Payment and progress reports. Break principal subcontract amounts down into several line items.

4. Round amounts off to the nearest whole dollar; the total shall equal the Contract Sum.

5. For each part of the Work where an Application for Payment may include materials or equipment, purchased or fabricated and stored, but not yet installed, provide separate line items on the Schedule of Values for initial cost of the materials, for each subsequent stage of completion, and for total installed value of that part of the Work.

6. Margins of Cost: Show line items for indirect costs, and margins on actual costs, only to the extent that such items will be listed individually in Applications for Payment. Each item in the Schedule of Values and Applications for Payment shall be complete including its total cost and proportionate share of general overhead and profit margin.

- a. At the Contractor's option, temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown as separate line items in the Schedule of Values or distributed as general overhead expense.

7. Schedule of Values Revisions: Revise the schedule of values when Change Orders or Construction Change Directives result in a change in the Contract Sum. Include at least one separate line item for each Change Order and Construction Change Directive.

1.04 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as paid for by the Owner.
 - 1. The initial Application for Payment, the Application for Payment at time of Substantial Completion, and the final Application for Payment involve additional requirements set forth below.
- B. Payment Application Times: The Contractor shall submit payment requisitions to the

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Owner by the 25th day of each month for approval.

C. Payment Application Forms: Use AIA Document G702 and Continuation Sheets G703 as the form for Application for Payment.

D. Application Preparation: Complete every entry on the form, including notarization and execution by person authorized to sign legal documents on behalf of the Owner. Incomplete applications will be returned without action.

1. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions have been made.
2. Include amounts of Change Orders and Construction Change Directives issued prior to the last day of the construction period covered by the application.

E. Transmittal: Submit 3 executed copies of each Application for Payment to the Owner by means ensuring receipt within 24 hours; one copy shall be complete, including waivers of lien and similar attachments, when required.

1. Transmit each copy with a transmittal form listing attachments, and recording appropriate information related to the application in a manner acceptable to the Owner.

F. Waivers of Mechanics Lien: With each Application for Payment submit waivers of mechanics liens from subcontractors or subcontractors and suppliers for the construction period covered by the previous application.

1. Submit partial waivers on each item for the amount requested, prior to deduction for retainage, on each item.
2. When an application shows completion of an item, submit final or full waivers.
3. The Owner reserves the right to designate which entities involved in the Work must submit waivers.
4. Waiver Delays: Submit each Application for Payment with the Contractor's waiver of mechanics lien for the period of construction covered by the application.
5. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of Work covered by the application who could lawfully be entitled to a lien.

G. Waiver Forms: Submit waivers of lien on forms, and executed in a manner, acceptable to Owner.

H. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of the first Application for Payment include the following:

1. List of subcontractors and evidence of payments.
2. List of principal suppliers and fabricators and evidence of payments.
3. Schedule of Values.
4. Contractor's Construction Schedule (preliminary if not final)
5. Schedule of principal products.
6. Schedule of unit prices.
7. Submittal Schedule (preliminary if not final).
8. List of Contractor's staff assignments.
9. List of Contractor's principal consultants.
10. Copies of building permits.
11. Copies of authorizations and licenses from governing authorities for performance of the Work.
12. Initial progress report.
13. Report of pre-construction meeting.
14. Certificates of insurance and insurance policies.
15. Performance and payment bonds.

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16. Data needed to acquire Owner's insurance.
17. Initial survey and damage report, if required.

I. Application for Payment at Substantial Completion: Following issuance of the Certificate of Substantial Completion, submit an Application for Payment; this application shall reflect any Certificates of Partial Substantial Completion issued previously for Owner occupancy of designated portions of the Work.

J. Administrative actions and submittals that shall proceed or coincide with this application include:

1. Warranties (guarantees) and maintenance agreements.
2. Maintenance instructions.
3. Final cleaning.
4. Application for reduction of retainage, and consent of surety.
5. Advice on shifting insurance coverages.
6. List of incomplete Work, recognized as exceptions to Engineer's Certificate of Substantial Completion.

K. Final Payment Application: Administrative actions and submittals, which must precede or coincide with submittal of the final payment Application for Payment include the following:

1. Completion of Project closeout requirements.
2. Completion of items specified for completion after Substantial Completion.
3. Assurance that unsettled claims will be settled.
4. Assurance that Work not complete and accepted will be completed without undue delay.
5. Transmittal of required Project construction records to Owner.
6. Proof that taxes, fees and similar obligations have been paid.
7. Removal of temporary facilities and services.
8. Removal of surplus materials, rubbish and similar elements.
9. Signoff of permits.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 012900

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. RFIs.
4. Digital project management procedures.
5. Project meetings.

B. Related Requirements:

1. Section 011200 "Multiple Contract Summary" for a description of the division of work among separate contracts and responsibility for coordination activities not in this Section.
2. Section 017300 "Execution" for procedures for coordinating general installation and field-engineering services, including establishment of benchmarks and control points.
3. Section 019113 "General Commissioning Requirements" for coordinating the Work with Owner's Commissioning Authority.

1.3 DEFINITIONS

A. RFI: Request for Information. 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:

1. Name, address, telephone number, and email address of entity 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.

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. 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.
 - 8. Startup and adjustment of systems.

1.6 REQUEST FOR INFORMATION (RFI)

- A. General: Immediately on discovery of the need for additional information, clarification, or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.
 - 1. Architect will return without response those RFIs submitted to Architect by other entities controlled by Contractor.
 - 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.

C. RFI Forms: AIA Document G716.

D. Architect's Action: Architect will review each RFI, determine action required, and respond. Allow seven 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 by Architect 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 in writing within 10 days of receipt of the RFI response.

E. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. Submit log bi-weekly. Include the following:

1. Project name.
2. Name and address of Contractor.
3. Name and address of Architect.
4. RFI number including RFIs that were returned without action or withdrawn.
5. RFI description.
6. Date the RFI was submitted.
7. Date Architect's response was received.

F. On receipt of Architect's and Construction Manager's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect and Construction Manager within seven days if Contractor disagrees with response.

G. PDF Document Preparation: Where PDFs are required to be submitted to Architect, prepare as follows:

1. Assemble complete submittal package into a single indexed file incorporating submittal requirements of a single Specification Section and transmittal form with links enabling navigation to each item.

2. Name file with submittal number or other unique identifier, including revision identifier.
3. Certifications: Where digitally submitted certificates and certifications are required, provide a digital signature with digital certificate on where indicated.

1.7 PROJECT MEETINGS

- A. General: Schedule and conduct meetings and conferences at Project site unless otherwise indicated.
- B. Preconstruction Conference: Schedule and conduct a preconstruction conference before starting construction, at a time convenient to Owner and Architect, but no later than 15 days after execution of the Agreement.
 1. Attendees: Authorized representatives of Owner, Architect, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; 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.
 2. Agenda: Discuss items of significance that could affect progress, including the following:
 - a. Responsibilities and personnel assignments.
 - b. Tentative construction schedule.
 - c. Phasing.
 - d. Critical work sequencing and long lead items.
 - e. Designation of key personnel and their duties.
 - f. Lines of communications.
 - g. Procedures for processing field decisions and Change Orders.
 - h. Procedures for RFIs.
 - i. Procedures for testing and inspecting.
 - j. Procedures for processing Applications for Payment.
 - k. Distribution of the Contract Documents.
 - l. Submittal procedures.
 - m. Preparation of Record Documents.
 - n. Use of the premises and building.
 - o. Work restrictions.
 - p. Working hours.
 - q. Owner's occupancy requirements.
 - r. Responsibility for temporary facilities and controls.
 - s. Procedures for moisture and mold control.
 - t. Procedures for disruptions and shutdowns.
 - u. Office, work, and storage areas.
 - v. Equipment deliveries and priorities.
 - w. Cleaning and protection
 - x. First aid.
 - y. Security.
 - z. Progress cleaning.
 3. Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes.
- C. Preinstallation Conferences: Conduct a preinstallation conference at Project site before each construction activity when required by other sections and when required for coordination with other construction.

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. Advise Architect and Owner of scheduled meeting dates.
2. Agenda: Review progress of other construction activities and preparations for the particular activity under consideration, including requirements for the following:
 - a. Contract Documents.
 - b. Options.
 - c. Related RFIs.
 - d. Related Change Orders.
 - e. Purchases.
 - f. Deliveries.
 - g. Submittals.
 - h. Review of mockups.
 - i. Possible conflicts.
 - j. Compatibility requirements.
 - k. Time schedules.
 - l. Weather limitations.
 - m. Manufacturer's written instructions.
 - n. Warranty requirements.
 - o. Compatibility of materials.
 - p. Acceptability of substrates.
 - q. Temporary facilities and controls.
 - r. Space and access limitations.
 - s. Regulations of authorities having jurisdiction.
 - t. Testing and inspecting requirements.
 - u. Installation procedures.
 - v. Coordination with other work.
 - w. Required performance results.
 - x. Protection of adjacent work.
 - y. Protection of construction and personnel.
3. Record significant conference discussions, agreements, and disagreements, including required corrective measures and actions.
4. Reporting: 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. Progress Meetings: Conduct progress meetings at biweekly intervals.

1. Coordinate dates of meetings with preparation of payment requests.
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) Interface requirements.
 - 2) Sequence of operations.
 - 3) Status of submittals.
 - 4) Deliveries.
 - 5) Off-site fabrication.
 - 6) Access.
 - 7) Site use.
 - 8) Temporary facilities and controls.
 - 9) Progress cleaning.
 - 10) Quality and work standards.
 - 11) Status of correction of deficient items.
 - 12) Field observations.
 - 13) Status of RFIs.
 - 14) Status of Proposal Requests.
 - 15) Pending changes.
 - 16) Status of Change Orders.
 - 17) Pending claims and disputes.
 - 18) Documentation of information for payment requests.
4. Minutes: Entity 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.

1.8 CLEANING AND PROTECTION

1. General: During handling and installation of work at the project site, clean and protect work in progress and adjoining work on the basis of continuous maintenance. Apply protective covering on installed work where it is required to ensure freedom from damage or deterioration at time of substantial completion.
2. Clean and perform maintenance on installed work as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to ensure operability without damaging effects.
3. Limiting Exposures of Work: To the extent possible through reasonable control and protection methods, supervise performance of the work in such a manner and by such means which will ensure that none of the work, whether completed or in progress, will be subjected to harmful, dangerous, damaging or otherwise deleterious exposure during the construction period.

1.9 COORDINATION WITH ENGINEER INSPECTION

1. Contractor shall facilitate Engineer's access and shall provide personnel as required to operate scaffolds for Engineer's inspection.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 013100

SECTION 013200 – CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
 - 1. Contractor's Construction Schedule.
 - 2. Construction schedule updating reports.
 - 3. Daily construction reports.
 - 4. Site condition reports.
- B. Related Requirements:

1.2 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 in the network.
 - 3. Successor Activity: An activity that follows another activity in the network.
- B. CPM: Critical path method, which is a method of planning and scheduling a construction project where activities are arranged based on activity relationships. Network calculations determine when activities can be performed and the critical path of Project.
- C. Critical Path: The longest connected chain of interdependent activities through the network schedule that establishes the minimum overall Project duration and contains no float.
- D. Event: The starting or ending point of an activity.
- E. Float: The measure of leeway in starting and completing an activity.
 - 1. Float time is not for the exclusive use or benefit of either Owner or Contractor, but is a jointly owned, expiring Project resource available to both parties as needed to meet schedule milestones and Contract completion date.
 - 2. Free float is the amount of time an activity can be delayed without adversely affecting the early start of the successor activity.
 - 3. Total float is the measure of leeway in starting or completing an activity without adversely affecting the planned Project completion date.

1.3 INFORMATIONAL SUBMITTALS

- A. Format for Submittals: Submit required submittals in the following format:

1. Working electronic copy of schedule file, where indicated.
2. PDF file.
3. Two paper copies, of sufficient size to display entire period or schedule, as required.

B. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.

1. Submit a working digital copy of schedule, using software indicated, and labeled to comply with requirements for submittals.

C. Construction Schedule Updating Reports: Submit with Applications for Payment.

D. Daily Construction Reports: Submit at weekly intervals.

E. Site Condition Reports: Submit at time of discovery of differing conditions.

1.4 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 in the network with other activities and schedule them in proper sequence.

1.5 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

A. Computer Scheduling Software: Prepare schedules using current version of a program that has been developed specifically to manage construction schedules.

B. Time Frame: Extend schedule from date established for the Notice of Award to date of Substantial 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.

C. 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.
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.
 - a. Exterior Sign

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. 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.
5. Punch List and Final Completion: Include not more than 30 days for completion of punch list items and final completion.

D. 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. Phasing: Arrange list of activities on schedule by phase.
2. Owner-Furnished Products: Include a separate activity for each product. Include delivery date indicated in Section 011000 "Summary." Delivery dates indicated stipulate the earliest possible delivery date.
3. Work Restrictions: Show the effect of the following items on the schedule:
 - a. Coordination with existing construction.
 - b. Limitations of continued occupancies.
 - c. Uninterruptible services.
 - d. Partial occupancy before Substantial Completion.
 - e. Use-of-premises restrictions.
 - f. Seasonal variations.

E. 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.

F. 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.

G. 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.

H. Distribution: Distribute copies of approved schedule to Architect, Owner, 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.

1.6 GANTT-CHART SCHEDULE REQUIREMENTS

- A. Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal, Gantt-chart-type, Contractor's Construction Schedule within 30 days of date established for the Notice of Award.
- 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.

1.7 REPORTS

- A. Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at Project site:
 1. List of subcontractors at Project site.
 2. List of separate contractors at Project site.
 3. Approximate count of personnel at Project site.
 4. Equipment at Project site.
 5. Material deliveries.
 6. High and low temperatures and general weather conditions, including presence of rain or snow.
 7. Testing and inspection.
 8. Accidents.
 9. Meetings and significant decisions.
 10. Stoppages, delays, shortages, and losses.
 11. Meter readings and similar recordings.
 12. Emergency procedures.
 13. Orders and requests of authorities having jurisdiction.
 14. Change Orders received and implemented.
 15. Construction Change Directives received and implemented.
 16. Services connected and disconnected.
 17. Equipment or system tests and startups.
 18. Partial completions and occupancies.
 19. Substantial Completions authorized.
- 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.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 013200

SECTION 013300 – SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 1. Submittal schedule requirements.
 2. Administrative and procedural requirements for submittals.

1.2 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."

1.3 SUBMITTAL SCHEDULE

- A. Submittal Schedule: Submit, as an action submittal, a list 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.

1.4 SUBMITTAL FORMATS

- A. Submittal Information: Include the following information in each submittal:
 1. Project name.
 2. Date.
 3. Name of Architect.
 4. Name of Construction Manager.
 5. Name of Contractor.
 6. Name of firm or entity that prepared submittal.
 7. Names of subcontractor, manufacturer, and supplier.
 8. Unique submittal number, including revision identifier. Include Specification Section number with sequential alphanumeric identifier; and alphanumeric suffix for resubmittals.
 9. Category and type of submittal.
 10. Submittal purpose and description.
 11. Number and title of Specification Section, with paragraph number and generic name for each of multiple items.
 12. Drawing number and detail references, as appropriate.
 13. Indication of full or partial submittal.

14. Location(s) where product is to be installed, as appropriate.
15. Other necessary identification.
16. Remarks.
17. Signature of transmitter.

B. Options: Identify options requiring selection by Architect.

C. Deviations and Additional Information: On each submittal, clearly indicate deviations from requirements in the Contract Documents, including minor variations and limitations; include relevant additional information and revisions, other than those requested by Architect on previous submittals. Indicate by highlighting on each submittal or noting on attached separate sheet.

D. PDF Submittals: Prepare submittals as PDF package, incorporating complete information into each PDF file. Name PDF file with submittal number.

1.5 SUBMITTAL PROCEDURES

- A. Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
 1. Email: Prepare submittals as PDF package, and transmit to Architect by sending via email. Include PDF transmittal form. Include information in email subject line as requested by Architect.
- B. 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.
- C. 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 **15** days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. **Architect/Engineer** will advise Contractor when a submittal being processed must be delayed for coordination.
 2. Resubmittal Review: Allow **15** days for review of each resubmittal.
- D. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.
- E. Distribution: Furnish copies of final submittals to manufacturers, subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.
- F. Use for Construction: Retain complete copies of submittals on Project site. Use only final action submittals that are marked with approval notation from Architect's action stamp.

1.6 SUBMITTAL REQUIREMENTS

A. 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 unsuitable 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 that show 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 Shop Drawings, and before or concurrent with Samples.

B. 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 unless submittal based on Architect's digital data drawing files is otherwise permitted.

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.

C. Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other materials.

1. Transmit Samples that contain multiple, related components such as accessories together in one submittal package.
2. Identification: Permanently attach label on unexposed side of Samples that includes the following:
 - a. Project name and submittal number.
 - b. Generic description of Sample.
 - c. Product name and name of manufacturer.

- d. Sample source.
- e. Number and title of applicable Specification Section.
- f. Specification paragraph number and generic name of each item.

3. Email Transmittal: Provide PDF transmittal. Include digital image file illustrating Sample characteristics, and identification information for record.
4. Paper Transmittal: Include paper transmittal including complete submittal information indicated.
5. 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.
 - a. Samples that may be incorporated into the Work are indicated in individual Specification Sections. Such Samples must be in an undamaged condition at time of use.
 - b. Samples not incorporated into the Work, or otherwise designated as Owner's property, are the property of Contractor.
6. Samples for Initial Selection: Submit manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available.
 - a. Number of Samples: Submit **one** full set(s) of available choices where color, pattern, texture, or similar characteristics are required to be selected from manufacturer's product line. Architect will return submittal with options selected.
7. 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 sets; 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.

D. Product Schedule: As required in individual Specification Sections, prepare a written summary indicating types of products required for the Work and their intended location. Include the following information in tabular form:

E. 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.

F. Design Data: Prepare and submit written and graphic information indicating compliance with indicated performance and design criteria in individual Specification Sections. Include list of assumptions and summary of loads. Include load diagrams if applicable. Provide name and version of software, if any, used for calculations. Number each page of submittal.

G. Certificates:

1. Certificates and Certifications Submittals: Submit 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. Provide a notarized signature where indicated.
2. 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.
3. 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.
4. Material Certificates: Submit written statements on manufacturer's letterhead certifying that material complies with requirements in the Contract Documents.
5. Product Certificates: Submit written statements on manufacturer's letterhead certifying that product complies with requirements in the Contract Documents.
6. Welding Certificates: Prepare written certification that welding procedures and personnel comply with requirements in the Contract Documents. Submit record of Welding Procedure Specification and Procedure Qualification Record on AWS forms. Include names of firms and personnel certified.

H. Test and Research Reports:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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:
 - a. Name of evaluation organization.
 - b. Date of evaluation.
 - c. Time period when report is in effect.
 - d. Product and manufacturers' names.
 - e. Description of product.
 - f. Test procedures and results.
 - g. Limitations of use.

1.7 CONTRACTOR'S REVIEW

- A. Action Submittals 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
- B. Contractor's Approval: Indicate Contractor's approval for each submittal with a uniform approval stamp. Include 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.
 - 1. Architect will not review submittals received from Contractor that do not have Contractor's review and approval.

1.8 ARCHITECT'S REVIEW

- A. Action Submittals: Architect will review each submittal, indicate corrections or revisions required and return it.
 - 1. PDF Submittals: Architect will indicate, via markup on each submittal, the appropriate action.
- B. Informational Submittals: Architect will review each submittal and will not return it, or will return it if it does not comply with requirements. Architect will forward each submittal to appropriate party.
- 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. Architect will return without review submittals received from sources other than Contractor.
- F. Submittals not required by the Contract Documents will be returned by Architect without action.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 013300

SECTION 014200 – REFERENCES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other Division-1 Specification sections, apply to work of this section.

1.02 DESCRIPTION OF REQUIREMENTS

- A. General: This section specifies procedural and administrative requirements for compliance with governing regulations and codes and standards imposed upon the Work. These requirements include obtaining permits, licenses, inspections, releases and similar documentation, as well as payments, statements and similar requirements associated with regulations, codes and standards.
 - 1. The term, "Regulations", is defined to include laws, statutes, ordinances and lawful orders issued by governing authorities, as well as those rules, conventions and agreements within the construction industry which effectively control the performance of the Work regardless of whether they are lawfully imposed by governing authority or not.
- B. Governing Regulations: Refer to General and Supplementary Conditions for requirements related to compliance with governing regulations.

1.03 DEFINITIONS

- A. General Explanation: Certain terms used in contract documents are defined in this article. Definitions and explanations contained in this section are not necessarily complete but are general for the Work to the extent that they are not stated more explicitly in another element of the contract documents.
- B. General Requirements: Provisions and requirements of other Division-1 sections apply to the entire work of the Contract and, where so indicated, to other elements which are included in the project.
- C. Indicated: The term "indicated" is a cross-reference to graphic, representations, notes or schedules on the drawings, to other paragraphs or schedules in the specifications, and to similar means of recording requirements in contract documents. Where terms such as "shown", "noted", "scheduled", and "specified" are used in lieu of "indicated", it is for the purpose of helping the reader locate the cross-reference, and no limitation of location is intended except as specifically noted.
- D. Directed, Requested, etc.: Terms such as "directed", "requested", "authorized", "selected", "approved", "required", "accepted", and "permitted" mean "directed by the Engineer/Architect", and similar phrases. However, no such implied meaning will be interpreted to extend the Engineer/Architect's responsibility into the Contractor's area of construction supervision.

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- E. Approve: Where used in conjunction with the Engineer/Architect's response to submittals, requests, applications, inquiries, reports, and claims by the contractor, the term "approved" will be held to limitations of the Engineer/Architect's responsibilities and duties as specified in General and Supplementary Conditions. In no case will the Engineer/Architect's approval be interpreted as a release of the Contractor from responsibilities to fulfill requirements of contract documents or acceptance of the Work, unless otherwise provided by requirements of the contract documents.
- F. Project Site: The term "project site" means the space available to the Contractor for performance of the Work, whether exclusively or in conjunction with others performing other construction as part of the project. The extent of the project site is shown on the drawings.
- G. Furnish: The term "furnish" is used to mean "supply and deliver to the project site, ready for unloading, unpacking, assembly, installation, and similar operations."
- H. Install: The term "install" is used to described operations at project site including the actual "unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning and similar operations".
- I. Provide: The term "provide" means "to furnish and install, complete and ready for the intended use".
- J. Installer: The "installer" is the "entity" (person or firm) engaged by the Contractor, its subcontractor or sub-subcontractor for performance of a particular element of construction at the project site, including installation, erection, application and similar required operations. It is a requirement that installers are experienced in the operations they are engaged to perform.
- K. Testing Laboratory: A "testing laboratory" is an independent entity engaged to perform specific inspections or tests of the Work, either at project site or elsewhere; and to report, and (if required) interpret results of those inspections or tests.

1.04 SPECIFICATION FORMAT AND CONTENT EXPLANATION

- A. General: This article is provided to help the user of these specifications more readily understand the format, language, implied requirements and similar conventions of content. None of the following explanations shall be interpreted to modify the substance of the contract requirements.
 - 1. Production Methods: Portions of these specifications have been produced by editing master specifications; they may contain minor deviations from traditional writing formats. Such deviations are a natural result of this production technique, and no other meaning shall be implied.
- B. Specification Format: These specifications are organized based upon the Construction Specifications Institute's 16-Division format. The organization of these specifications into Divisions, Sections or Trade headings conforms generally to recognized industry practice.
- C. Specification Content: This project specification has been produced employing certain conventions in the use of language as well as conventions regarding the intended meaning of certain terms, words, and phrases when used in particular situations or circumstances. These conventions are explained as follows:
 - 1. In certain circumstances, language used in specifications and other contract documents is of the abbreviated type. Implied words and meaning will be appropriately interpreted. Singular words will be interpreted as plural and plural words will be interpreted as singular where applicable and where the full context of the contract documents so indicates.
 - 2. Imperative Language is used generally in the specifications. Requirements expressed imperatively are to be performed by the Contractor. At certain locations in the text, for clarity, contrasting subjective language is used to describe responsibilities which must be fulfilled indirectly by the Contractor, or by others when so noted.
- D. Methods of Specifying: Techniques or methods of specifying requirements vary throughout the text. The method used for specifying one element of the Work has no bearing on requirements for another element of the Work.
- E. Assignment of Specialists: In certain circumstances, the specification requires or implies that specific elements of the Work are to be assigned to specialists who must be engaged to perform that element of the Work. Such assignments are special requirements over which the Contractor has no choice or option. They are intended to establish which party or entity involved in a specific

element of the Work is considered as being sufficiently experienced in the indicated construction processes or operations to be recognized as "expert" in those processes or operations nevertheless, the ultimate responsibility for fulfilling all contract requirements remains with the Contractor.

1. These requirements should not be interpreted to conflict with the enforcement of building codes and similar regulations governing the Work. They are also not intended to interfere with local trade union jurisdictional settlements and similar conventions.
2. Trades: The use of certain titles such as "carpentry" in the specification, is not intended to imply that the Work must be performed by accredited or unionized individuals of a corresponding generic name, such as "carpenter". It also is not intended to imply that the tradespersons of that corresponding generic name.

1.05 DRAWING SYMBOLS

- A. General: Except as otherwise indicated, graphic symbols used on the drawings are those symbols recognized in the construction industry for purposes indicated. Where not otherwise noted, symbols are defined by "Architectural Graphic Standards," published by John Wiley and Sons, Inc., seventh edition. Refer instances of uncertainty to the Engineer/Architect for clarification before proceeding.

1.06 INDUSTRY STANDARDS

- A. Applicability of Standards: Except where more explicit or stringent requirements are written into the contract documents, applicable construction industry standards have the same force and effect as if bound into or copied directly into the contract documents. Such industry standards are made a part of the contract documents by reference. Individual specification sections indicate which codes and standards the Contractor must keep available at the project site for reference.
 1. Referenced standards (standards referenced directly in the contract documents) take precedence over standards that are not referenced but generally recognized in the industry for applicability to the Work.
 2. Unreferenced Standards: Except as otherwise limited by the contract documents, standards not referenced but recognized in the construction industry as having direct applicability will be enforced for performance of the Work. The decision as to whether an industry code or standard is applicable, or as to which of several standards are applicable, is the sole responsibility of the Engineer/Architect.

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- B. Publication Dates: Except as otherwise indicated, where compliance with an industry standard is required, comply with standard in effect as of date of contract documents.
- C. Conflicting Requirements: Where compliance with two or more standards is specified, and where these standards establish different or conflicting requirements for minimum quantities or quality levels, the most stringent requirement will be enforced, unless the contract documents specifically indicate otherwise. Refer requirements that are different, but apparently equal, and uncertainties as to which quality level is more stringent to the Engineer/Architect for a decision before proceeding.
 - 1. Minimum Quantities or Quality Levels: In every instance the quantity or quality level shown or specified is intended to be the minimum to be provided or performed. Unless otherwise indicated, the actual Work may either comply exactly, within specified tolerances, with the minimum quantity or quality specified, or may exceed that minimum within reasonable limits. In complying with these requirements, the indicated numeric values are minimum or maximum values, as noted or as appropriate for the context of the requirements. Refer instances of uncertainty to the Engineer/Architect for decision before proceeding.
- D. Copies of Standards: The contract documents require that each entity performing work be experienced in that part of the Work being performed. Each entity is also required to be familiar with industry standards applicable to that part of the Work. Copies of applicable standards are not bound with the contract documents.
 - 1. Where copies of standards are needed for proper performance of the Work, the Contractor is required to obtain such copies directly from the publication source.
 - 2. Although copies of standards needed for enforcement of requirements may be required submittals, the Engineer/Architect reserves the right to require the Contractor to submit additional copies as necessary for enforcement of requirements.
- E. Abbreviations and Names: Trade association names and titles of general standards are frequently abbreviated. Where acronyms or abbreviations are used in the specifications or other contract documents they are defined to mean the recognized name of the trade association, standards generating organization, governing authority or other entity applicable to the context of the text provision. Refer to the "Encyclopedia of Associations," published by Gale Research Co., available in most libraries.

2. The terms or phrases Architect, Engineer, Architect/Engineer, Engineer/Architect, A/E, E/A, etceteras all refer to Thornton Tomasetti, Inc. and their representatives.

1.07 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 Applicable)

PART 3 - EXECUTION - (Not Applicable)

END OF SPECIFICATION SECTION 014200

SECTION 017700 – CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division-1 Specification sections, apply to work of this section.

1.02 DESCRIPTION OF REQUIREMENTS

A. Definitions: Project closeout is the term used to describe certain collective project requirements, indicating completion of the Work that are to be fulfilled near the end of the Contract time in preparation for final acceptance and occupancy of the Work by the Owner, as well as final payment to the Contractor and the normal termination of the Contract.

1. Specific requirements for individual units of work are included in the appropriate sections in Divisions 2 through 16.
2. Time of closeout is directly related to "Substantial Completion"; therefore, the time of closeout may be either a single time period for the entire Work or a series of time periods for individual elements of the Work that have been certified as substantially complete at different dates. This time variation, if any, shall be applicable to the other provisions of this section.

1.03 PREREQUISITES TO SUBSTANTIAL COMPLETION

A. General: Complete the following before requesting the Architect's inspection for certification of substantial completion, either for the entire Work or for portions of the Work. List known exceptions in the request.

B. In the progress payment request that coincides with, or is the first request following, the date substantial completion is claimed, show either 100% completion for the portion of the Work claimed as "substantially complete", or list incomplete items, the value of incomplete work, and reasons for the Work being incomplete.

1. Include supporting documentation for completion as indicated in these contract documents.
2. Submit a statement showing an accounting of changes to the Contract Sum.
3. Advise Owner of pending insurance change-over requirements.
4. Submit specific warranties, workmanship/maintenance bonds, maintenance agreements, final certifications and similar documents.
5. Obtain and submit releases enabling the Owner's full, unrestricted use of the Work and access to services and utilities.
6. Submit record drawings, final project photographs, damage or settlement survey, and similar final record information.

7. Deliver tools, spare parts, extra stock of material and similar physical items to the Owner.
8. Complete final cleaning up requirements, including touch-up painting of marred surfaces.
9. Touch-up and otherwise repair and restore marred exposed finishes.
10. Inspection Procedures: Upon receipt of the Contractor's request for inspection, the Architect will either proceed with inspection or advise the Contractor of unfilled prerequisites.
 - a. Following the initial inspection, the Engineer/Architect will either prepare the certificate of substantial completion, or will advise the Contractor of work which must be performed before the certificate will be issued. The Architect will repeat the inspection when requested and when assured that the Work has been substantially completed.
 - b. Results of the completed inspection will form the initial "punch-list" for final acceptance.

1.04 PREREQUISITES TO FINAL ACCEPTANCE

- A. General: Complete the following before requesting the Architect's final inspection for certification of final acceptance, and final payment as required by the General Conditions. List known exceptions, if any, in the request.
 1. Submit the final payment request with final releases and supporting documentation not previously submitted and accepted. Include certificates of insurance for products and completed operations where required.
 2. Submit an updated final statement, accounting for final additional changes to the Contract Sum.
 3. Submit a certified copy of the Architect's final punch-list of itemized work to be completed or corrected, stating that each item has been completed or otherwise resolved for acceptance and has been endorsed and dated by the Architect.
 4. Submit consent of surety.
 5. Submit evidence of final, continuing insurance coverage complying with insurance requirements.
- B. Reinspection Procedure: The Architect will reinspect the work upon receipt of the Contractor's notice that the work, including punch-list items resulting from earlier inspections, has been completed, except for these items whose completion has been delayed because of circumstances that are acceptable to the Architect.
 1. Upon completion of reinspection, the Engineer/Architect will either prepare a certificate of final acceptance, or will advise the Contractor of work that is incomplete or of obligations that have not been fulfilled, but are required for final acceptance.
 2. If necessary, the reinspection procedure will be repeated.

1.05 RECORD DOCUMENT SUBMITTALS

- A. General: Specific requirements for record documents are indicated in the individual sections of these specifications. Other requirements are indicated in the General Conditions. General submittal requirements are indicated in the various "submittals" sections.
 - 1. Do not use record documents for construction purposes; protect from deterioration and loss in a secure, fire-resistive location; provide access to record documents for the Architect's reference during normal working hours.
- B. Record Drawings: Contractor shall maintain a record set of blue or black line white-prints of contract drawings and shop drawings in a clean, undamaged condition. Contractor shall store a copy of the most recent record drawings onsite at all times. Mark-up the set of record documents to show the actual installation where the installed work varies substantially from the work as originally shown. Mark whichever drawing is most capable of showing the actual "field" condition fully and accurately; however, where shop drawings are used for mark-up, record a cross-reference at the corresponding location on the working drawings. Give particular attention to concealed work that would be difficult to measure and record at a later date.
 - 1. Mark record sets with red erasable pencil and, where feasible, use other colors to distinguish between variations in separate categories of work.
 - 2. Mark-up new information which is known to be important to the Owner, but for some reason was not shown on either contract drawings or shop drawings.
 - 3. Note related change-order numbers where applicable.
 - 4. Organize record drawing sheets into manageable sets, bind with durable paper cover sheets, and print suitable titles, dates and other identification on the cover of each set.
- C. Record Specifications: Maintain one complete copy of the Project Manual, including specifications and addenda, and one copy of other written construction documents such as change orders and similar modifications issued in printed form during construction. Mark these documents to show substantial variations in the actual work performed in comparison with the text of the specifications and modifications as issued. Five particular attention to substitutions, selection of options and similar information on work where it is concealed or cannot otherwise be readily discerned at a later date by direct observation. Note related record drawing information and product data, where applicable.
 - 1. Upon completion of the Work, submit record specifications to the Architect for the Owner's records.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.01 FINAL CLEANING

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- A. General: Special cleaning requirements for specific units of Work are included in the appropriate sections of Divisions 2 through 16. General Cleaning during the regular progress of the Work is required by the General Conditions and is included under section "Temporary Facilities".
- B. Cleaning: Provide final cleaning of the Work at the time indicated. Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit or work to the condition expected from a normal, commercial building cleaning and maintenance program. Comply with the manufacturer's instructions for operations.
- C. Complete the following cleaning operations before requesting the Architect inspection for certification of substantial completion.
 - 1. Remove labels which are not required as permanent labels.
 - 2. Clean transparent materials, including glass in windows, to a polished condition. Remove putty and other substances which are noticeable as vision-obscuring materials. Replace chipped or broken glass and other damaged transparent materials.
 - 3. Clean exposed exterior and interim hard-surfaced finishes to a dust-free condition free of dust, stains, films and similar noticeable distracting substances. Restore reflective surfaces to their original reflective condition. Leave concrete floors broom clean.
 - 4. Wipe surfaces of mechanical and electrical equipment clean. Remove excess lubrication and other substances. Clean plumbing fixtures to a sanitary condition. Clean light fixtures and lamps.
 - 5. Clean the project site, of rubbish, litter and other foreign substances. Sweep paved areas to a broom clean condition; remove stains, spills and other foreign deposits.
- D. Removal of Protection: Except as otherwise indicated or requested by the Architect, remove temporary protection devices and facilities which were installed during the course of the work to protect previously completed work during the remainder of the construction period.
- E. Compliance: Comply with safety standards and governing regulations for cleaning operations. Do not burn waste materials at the site. Do not bury debris or excess materials on the Owner's property. Do not discharge volatile or other harmful or dangerous materials into drainage systems. Remove waste materials from the site and dispose of in a lawful manner.
 - 1. Where extra materials of value remaining after completion of associated work have become the Owner's property, dispose of these materials to the Owner's best advantage as directed.

END OF SECTION 017700

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CLOSEOUT PROCEDURES

017700-5

MILTON TOWN LOCK-UP
MILTON, MA 02186
TT PROJECT NO. Q24133.00

SECTION 017740 – WARRANTIES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes administrative and procedural requirements for warranties required by the Contract Documents, including manufacturers' standard warranties on products and special warranties.
 - 1. Refer to the General Conditions for terms of the Contractor's period for correction of the Work.
- B. Related Sections: The following Sections contain requirements that relate to this Section:
 - 1. Division 1 Section "Submittals" specifies procedures for submitting warranties.
 - 2. Division 1 Section "Contract Closeout" specifies contract closeout procedures.
 - 3. Divisions 2 through 16 Sections for specific requirements for warranties on products and installations specified to be warranted.
 - 4. Certifications and other commitments and agreements for continuing services to Owner are specified elsewhere in the Contract Documents.
- C. Disclaimers and Limitations: Manufacturer's disclaimers and limitations on product warranties do not relieve the Contractor of the warranty on the Work that incorporates the products. Manufacturer's disclaimers and limitations on product warranties do not relieve suppliers, manufacturers, and subcontractors required to countersign special warranties with the Contractor.

1.03 DEFINITIONS

- A. Standard product warranties are preprinted written warranties published by individual manufacturers for particular products and are specifically endorsed by the manufacturer to the Owner.
- B. Special warranties are written warranties required by or incorporated in the Contract Documents, either to extend time limits provided by standard warranties or to provide greater rights for the Owner.

1.04 WARRANTY REQUIREMENTS

- A. Related Damages and Losses: When correcting failed or damaged warranted construction, remove and replace construction that has been damaged as a result of such failure or must be removed and replaced to provide access for correction of warranted construction.

- B. **Reinstatement of Warranty:** When Work covered by a warranty has failed and been corrected by replacement or rebuilding, reinstate the warranty by written endorsement. The reinstated warranty shall be equal to the original warranty with an equitable adjustment for depreciation.
- C. **Replacement Cost:** Upon determination that Work covered by a warranty has failed, replace or rebuild the Work to an acceptable condition complying with requirements of the Contract Documents. The Contractor is responsible for the cost of replacing or rebuilding defective Work regardless of whether the Owner has benefited from use of the Work through a portion of its anticipated useful service life.
- D. **Owner's Recourse:** Expressed warranties made to the Owner are in addition to implied warranties and shall not limit the duties, obligations, rights, and remedies otherwise available under the law. Expressed warranty periods shall not be interpreted as limitations on the time in which the Owner can enforce such other duties, obligations, rights, or remedies.
 - 1. **Rejection of Warranties:** The Owner reserves the right to reject warranties and to limit selection to products with warranties not in conflict with requirements of the Contract Documents.
- E. Where the Contract Documents require a special warranty, or similar commitment on the Work or part of the Work, the Owner reserves the right to refuse to accept the Work, until the Contractor presents evidence that entities required to countersign such commitments are willing to do so.

1.05 SUBMITTALS

- A. Submit written warranties to the Engineer/Architect prior to the date certified for Substantial Completion. If the Engineer/Architect's Certificate of Substantial Completion designates a commencement date for warranties other than the date of Substantial Completion for the Work, or a designated portion of the Work, submit written warranties upon request of the Engineer/Architect.
 - 1. When a designated portion of the Work is completed and occupied or used by the Owner, by separate agreement with the Contractor during the construction period, submit properly executed warranties to the Engineer/Architect within 15 days of completion of that designated portion of the Work.
- B. When the Contract Documents require the Contractor, or the Contractor and a subcontractor, supplier or manufacturer to execute a special warranty, prepare a written document that contains appropriate terms and identification, ready for execution by the required parties. Submit a draft to the Owner, through the Engineer/Architect, for approval prior to final execution.
- C. Forms for special warranties are included at the end of this Section. Prepare a written document utilizing the appropriate form, ready for execution by the Contractor, or by the Contractor, subcontractor, supplier, or manufacturer. Submit a draft to the Owner, through the Engineer/Architect, for approval prior to final execution.
 - 1. Refer to Divisions 2 through 16 Sections for specific content requirements and particular requirements for submitting special warranties.

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- D. Form of Submittal: At Final Completion compile 2 copies of each required warranty properly executed by the Contractor, or by the Contractor, subcontractor, supplier, or manufacturer. Organize the warranty documents into an orderly sequence based on the table of contents of the Project Manual.
- E. Bind and submit one set of the warranties and bonds to the Owner in heavy-duty, commercial-quality, durable 3-ring, vinyl-covered loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2-by-11-inch paper.
 - 1. Provide heavy paper dividers with celluloid covered tabs for each separate warranty. Mark the tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product, and the name, address, and telephone number of the Installer.
 - 2. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project title or name, and name of the Contractor.
 - 3. When warranted construction requires operation and maintenance manuals, provide additional copies of each required warranty, as necessary, for inclusion in each required manual.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.01 LIST OF WARRANTIES

A. Schedule: Provide warranties on products and installations as specified in the following Sections:

1. 077100 Sheet Metal
2. 079200 Joint Sealants
3. 085200 Wood Windows

END OF SECTION 017740

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.

1.3 DEFINITIONS

- A. Remove: Detach items from existing construction and legally dispose of them off-site unless indicated to be removed and salvaged or removed and reinstalled.
- B. Remove and Salvage: Carefully detach from existing construction, in a manner to prevent damage, and deliver to Owner ready for reuse.
- C. Remove and Reinstall: Detach items from existing construction, prepare for reuse, and reinstall where indicated.
- D. Existing to Remain: Existing items of construction that are not to be permanently removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

1.4 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.
 1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

1.5 PREINSTALLATION MEETINGS

- A. Pre-demolition Conference: Conduct conference at Project site.
 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 environmental protection, 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. Inventory: Submit a list of items to be removed and salvaged and deliver to Owner prior to start of demolition.
- D. Predemolition Photographs or Video: Submit before Work begins.

1.7 CLOSEOUT SUBMITTALS

- A. Inventory: Submit a list of items that have been removed and salvaged.
- B. Landfill Records: Indicate receipt and acceptance of hazardous wastes by a landfill facility licensed to accept hazardous wastes.

1.8 FIELD CONDITIONS

- A. Owner will occupy portions of building immediately adjacent to selective demolition area. 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. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.

1. Hazardous materials will be removed by Owner before start of the Work.
2. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.

E. Storage or sale of removed items or materials on-site is not permitted.

F. 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.

PART 2 - PRODUCTS

2.1 PEFORMANCE 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 ANSI/ASSE A10.6 and NFPA 241.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting selective demolition operations.
- B. Review record documents of existing construction provided by Owner. Owner does not guarantee that existing conditions are same as those indicated in record documents.
- C. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.
- D. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to Architect.
- E. Perform an engineering survey of condition of building to determine whether removing any element might result in structural deficiency or 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.
 2. Steel Tendons: Locate tensioned steel tendons and include recommendations for de-tensioning.

F. Survey of Existing Conditions: Record existing conditions by use of measured drawings preconstruction photographs and templates.

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 of conditions that might be misconstrued as damage caused by salvage operations.
3. Before selective demolition or removal of existing building elements that will be reproduced or duplicated in final Work, make permanent record of measurements, materials, and construction details required to make exact reproduction.

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.

3.3 PREPARATION

- A. 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.
 1. Comply with requirements for access and protection specified in Section 015000 "Temporary Facilities and Controls."
- B. Temporary Facilities: 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 furniture, furnishings, and 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."
- C. Temporary Shoring: 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.

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, from higher to lower level. Complete selective demolition operations above each floor or tier before disturbing supporting members on the next lower level.
2. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
3. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
4. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain fire watch and portable fire-suppression devices during flame-cutting operations.
5. Maintain adequate ventilation when using cutting torches.
6. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
7. Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation.
8. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
9. Dispose of demolished items and materials promptly.

B. 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.

C. 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. Concrete: Demolish in sections. Cut concrete full depth at junctures with construction to remain and at regular intervals using power-driven saw, then remove concrete between saw cuts.

B. Masonry: Demolish in small sections. Cut masonry at junctures with construction to remain, using power-driven saw, and then remove masonry between saw cuts.

- C. For brick repointing: Use hand tools only for cutting of vertical joints and corners. Size of grinder blade shall be smaller than joint width and shall not damage any masonry.
- D. Roofing: Remove no more existing roofing than what can be covered in one day by new roofing and so that building interior remains watertight and weather tight. Remove existing drain covers. Drains shall be snaked out to house trap.

3.6 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Except for items or materials indicated to be recycled, reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from Project site and legally dispose of them in an EPA-approved landfill.
 - 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.
- C. Disposal: Transport demolished materials and dispose of at designated spoil areas on Owner's property.
- D. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

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.

3.8 SELECTIVE DEMOLITION SCHEDULE

Existing items to be removed as noted on the corresponding drawing set titled **Milton Town Lock-Up, Milton, MA 02186, Window Replacement and Exterior Wall Repairs:**

- 1. Brick removal at indicated areas to be rebuilt.
- 2. Deteriorated mortar joint removal as required for repointing.
- 3. Window removal.
- 4. Sealant joint removal at masonry openings.

END OF SECTION 024119

SECTION 061000 - ROUGH CARPENTRY

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. Wood blocking, nailers, fasteners, and related accessories.

1.3 ACTION SUBMITTALS

- A. Product Data: For each product specified in Part 2 - Products.
- B. Engineering data for power driven fasteners (set by nailing guns) of all types proposed to be used as equivalents to hammer driven nails.
- C. Samples:
 - 1. Fasteners: For each type and size of fastener to be incorporated in the Work.

1.4 QUALITY ASSURANCE

- A. Mill and Producers Mark:
 - 1. Each piece of lumber shall bear a stamp by the WWPA, WCLIB or SPIB or other agency certified by ALSC, indicating type, grade, mill and grading.
 - 2. Each piece of plywood shall bear a stamp by the APA indicating grade, thickness, span ratio, and exposure durability.
- B. Pressure Preservative / Fire Hazard Classification: Each piece of lumber shall bear markings indicating treatment and fire hazard classification by ALSC accredited agency.

PART 2 - PRODUCTS

2.1 WOOD BLOCKING AND NAILERS

- A. Wood Blocking:
 - 1. Comply with PS 20-99, American Softwood Lumber Standard by US DOC.
 - 2. Pressure treated in accordance with AWPB LP-2 treatment and kiln dried to 19 percent moisture content after treatment.
 - 3. No. 2 or better Douglas Fir, Southern Pine or Hem Fir.
- B. Wood Nailer:
 - 1. Comply with wood blocking requirements.

2.2 FASTENERS

- A. All fasteners shall be corrosion resistant, hot-dip zinc coating complying with ASTM A 153 / ASTM A 153M, or stainless steel (Type 304).

PART 3 - EXECUTION

3.1 PREPARATION OF SUBSTRATE

- A. Examine substrate surfaces to receive wood and plywood.
- B. Remove all existing overlay material, membrane, and accessories (e.g., nails) to expose substrate. Do not damage substrate during removal.

3.2 GENERAL INSTALLATION

- A. Comply with the following:
 1. AF&PA's WCD 1, "Details for Conventional Wood Frame Construction," unless otherwise indicated.
- B. Do not use material with defects which impair the quality of the Work.
- C. Set rough carpentry to required levels and lines, with members plumb, true to line, cut and fitted. Fit rough carpentry accurately to other construction.
- D. Position fasteners and anchors in such a manner that they will not spall the underlying substrate.
- E. Securely anchor and fasten rough carpentry making tight connections to substrates as indicated on Drawings and required in this Section.
- F. Install fasteners without splitting wood; pre-drill material as required.
- G. Take care that fasteners do not penetrate through members where opposite side wall will be exposed to view.

3.3 BLOCKING INSTALLATION

- A. General:
 1. Locate and install wood blocking and nailers where indicated and where required for support and/or attachment of other Work. Form and shim to shapes as indicated or required.
 2. Where multiple layers of wood blocking, framing or nailers are required, off-set and stagger joints a minimum of 12 inches.
 3. Secure blocking as follows, unless otherwise indicated on the Drawings:
 - a. Size and space fasteners as required to support applied loading.
 - b. Obtain roofing manufacturer written approval of layout and spacing of anchors and fasteners.
 - c. Where feasible, install two rows of fasteners/anchors staggered.
 - d. Wood-to-CMU/Concrete/Masonry:
 - 1) Comply with Section 040519 Masonry Anchorage and Reinforcing.
 - 2) Anchor with 1/4 inch stainless steel threaded rod, nut and washer set in anchorage adhesive at 16 inches on center. Spacing shall not exceed 12

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inches, within 8 feet from outside corner, each way. Stagger anchors if blocking is wider than 6 inches. Countersink bolts and nuts flush with surfaces.

- 3) Fill hollow cells of CMU to receive anchor with high strength grout.
- e. Wood-to-Wood:
 - 1) Fasten with nails in two rows so that spacing in any one row does not exceed 16 inches. Spacing shall not exceed 12 inches, within 8 feet from outside corner, each way. Stagger nails if blocking is wider than 6 inches.
 - 2) Nails shall be long enough to penetrate substrate a minimum of 1-1/4 inches. Withdrawal resistance should be 100 lbs. per nail minimum.
- f. Wood-to-Metal: Fasten with screws in two rows so that spacing in any one row does not exceed 16 inch centers. Spacing shall not exceed 12 inches, within 8 feet from outside corner, each way. Stagger screws if blocking is wider than 6 inches. Countersink screw heads flush with surfaces.

END SECTION 061000

SECTION 076200 – SHEET METAL FLASHING

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. Work includes furnishing and installing tin-zinc coated copper sheet metal flashing at window sills, including all necessary fasteners, sealants, and accessories.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
 2. Associated accessories and setting sealants.
- B. Shop Drawings indicating flashing profiles, jointing methods, and attachment details.
- C. Color and finish samples for approval.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Sheet Metal Flashing:
 1. Tin-Zinc Coated Copper: ASTM B370, 16 oz. per square foot (0.0126" thick).
- B. Fasteners:
 1. Copper or stainless steel, non-corrosive, concealed where possible.
- C. Solder & Flux:
 1. Solder: ASTM B32, 50/50 tin-lead solder or lead-free equivalent.
 2. Flux: Non-corrosive type, compatible with tin-zinc coated copper.
- D. Sealant:
 1. ASTM C920, silicone or polyurethane, compatible with adjacent materials.

E. Underlayment:

1. Self-adhering modified bitumen membrane, high-temperature resistant.

PART 3 - EXECUTION

3.1 FABRICATION

- A. Fabricate flashing in accordance with SMACNA guidelines for tin-zinc coated copper.
- B. Form flashing sections to provide positive drainage away from the window.
- C. Soldered End Dams:
 1. Provide integral, soldered end dams at flashing terminations.
 2. Solder with 50/50 tin-lead solder or lead-free equivalent, ensuring full capillary joint with no pinholes.
 - a. Slope sill flashing minimum 5 degrees to prevent water retention.
 - b. Lap joints minimum 4 inches, with full soldered seams.

3.2 INSTALLATION

- A. Install flashing at window sills in accordance with SMACNA and manufacturer's recommendations.
- B. Secure flashing with concealed fasteners to avoid penetration of horizontal surfaces.
- C. Integrate flashing with adjacent weather-resistant barriers to ensure continuous waterproofing.
- D. Apply sealant at terminations, where required, to prevent moisture intrusion.

3.3 QUALITY CONTROL

- A. Inspect flashing to be installed for:
 1. Proper slope and drainage.
 2. Secure attachment without deformation.
 3. Fully soldered end dams and joints with no visible gaps.
 - a. Repair any deficiencies before project completion.

END OF SECTION 077100

SECTION 079200 – JOINT SEALANTS

PART 1 – GENERAL

1.1 GENERAL PROVISIONS

- A. Division 1, as listed in the Table of Contents, applies here.
- B. Refer to other Divisions of these Specifications to determine the type and extent of work therein affecting the work of this trade, whether or not such work is specifically mentioned in this Section.
- C. Provide a copy of all applicable Drawings, including Shop Drawings, and Specifications at the site during all work covered under this Section.

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials, and equipment necessary to complete the work of this Section, including, but not limited to, the following:
 - 1. Provide sealants and backing material as required by the Contract Documents, including, but not limited to:
 - a. Exterior and interior window sealant at locations indicated on the drawings.
 - b. Exterior window glazing sealant at locations indicated on the drawings.
- B. This Section includes joint sealants for the applications specified with the products in this Section and as indicated on Drawings.

1.3 PERFORMANCE REQUIREMENTS

- A. Provide elastomeric joint sealants that establish and maintain watertight continuous joint seals without staining or deteriorating joint substrates.
- B. Provide joint sealants for exterior applications that establish and maintain airtight and water-resistant continuous joint seals without staining or deteriorating joint substrates.

1.4 SUBMITTALS

- A. Product Data: For each joint-sealant product indicated.
- B. Samples for Verification: For each type and color of joint sealant required, provide Samples.
- C. Samples: Physical sealant chart of standard sealant colors.

- D. Qualification Data: Submit qualification data for installer.
- E. Preconstruction Field Test Reports: Indicate which sealants and joint preparation methods resulted in optimum adhesion to joint substrates based on preconstruction testing specified in "Quality Assurance" Article.
- F. Compatibility and Adhesion Test Reports: From sealant manufacturer within three years of the submittal date, indicating the following:
 - 1. Stain-Test-Response Characteristics: Elastomeric sealants shall be nonstaining to porous substrates. Provide products that have undergone testing according to ASTM C1248, Standard Test Method for Staining of Porous Substrate by Joint Sealants, and have not stained porous joint substrates indicated for the Project.
 - 2. Materials forming joint substrates and joint-sealant backings have been tested for compatibility and adhesion with joint sealants.
 - 3. Interpretation of test results and written recommendations for primers and substrate preparation needed for adhesion.
- G. Field Test Report Log: For each elastomeric sealant application.
- H. Product Test Reports: Based on comprehensive testing of product formulations performed by a qualified testing agency, indicating that sealants comply with requirements.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized Installer who is approved or licensed for installation of elastomeric sealants required for this Project.
- B. Preconstruction Compatibility and Adhesion Testing: Submit to joint-sealant manufacturers, for testing indicated below, samples of materials that will contact or affect joint sealants.
 - 1. Use manufacturer's standard test method to determine whether priming and other specific joint-preparation techniques are required to obtain rapid, optimum adhesion of joint sealants to joint substrates.
 - 2. Schedule sufficient time for testing and analyzing results to prevent delaying the Work.
 - 3. For materials failing tests, obtain joint-sealant manufacturer's written instructions for corrective measures including use of specially formulated primers.
 - 4. Testing will not be required if joint-sealant manufacturers submit joint preparation data that are based on previous testing of current sealant products for adhesion to, and compatibility with, joint substrates and other materials matching those submitted.

C. Preconstruction Field-Adhesion Testing: Before installing elastomeric sealants, field test their adhesion to Project joint substrates as follows:

1. Locate test joints where indicated on the Project or, if not indicated, as directed by the Engineer.
2. Conduct field tests; notify the Engineer seven days in advance of dates and times when test joints will be erected.
 - a. Test Method: Test joint sealants according to Method A, Field-Applied Sealant Joint Hand Pull Tab, in Appendix X1 in ASTM C1193, Standard Guide for Use of Joint Sealants.
 - (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.
 - b. Allow sealant to cure for at least twenty-one days prior to conducting field adhesion tests, unless less time is required by the manufacturer in writing.
3. Report whether sealant in joint connected to pulled-out portion failed to adhere to joint substrates or tore cohesively. Include data on pull distance used to test each type of product and joint substrate. For sealants that fail adhesively, retest until satisfactory adhesion is obtained.
4. 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.

D. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01.

1.6 PROJECT 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 the joint-sealant manufacturer or are below 40°F.
2. When joint substrates are wet.
3. Where joint widths are less than those allowed by the joint-sealant manufacturer for applications indicated.
4. Contaminants capable of interfering with adhesion have not yet been removed from joint substrates.

1.7 WARRANTY

- A. Special Installer's Warranty: Installer's standard form in which the Installer agrees to repair or replace elastomeric joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
 - 1. Warranty Period: 2 yrs from Date of Substantial Completion.
- B. Special Manufacturer's Warranty: Manufacturer's standard form in which the elastomeric sealant manufacturer agrees to furnish elastomeric joint sealants to repair or replace those that do not comply with performance and other requirements specified in this Section within the specified warranty period.
 - 1. Warranty Period: 5 yrs from the Date of Substantial Completion.
- C. Special warranties specified in this Article exclude deterioration or failure of elastomeric joint sealants from the following:
 - 1. Movement of the structure resulting in stresses on the sealant exceeding the sealant manufacturer's written specifications for sealant elongation and compression caused by structural settlement or errors attributable to design or construction.
 - 2. Disintegration of joint substrates from natural 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

1.1 MATERIALS, GENERAL

- A. Use new sealant of the same chemistry as the existing sealant to which the new sealant and that is compatible with existing and new. There may be a mix of silicone and urethane sealant on the project. Assume the following and verify in the field prior to sealant installation:
 - 1. Use silicone sealant at window glazing, window perimeter, and metal flashing.
 - 2. Use urethane sealant at vertical precast panel joints
- B. 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 sealant manufacturer, based on testing and field experience.
- C. Volatile Organic Compound (VOC) Content of Interior Sealants: Provide interior sealants and sealant primers that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
 - 1. Architectural Sealants: 250 g/L

2. Sealant Primers for Nonporous Substrates: 250 g/L
3. Sealant Primers for Porous Substrates: 775 g/L

D. Colors of Exposed Joint Sealants: Provide colors as selected by the Owner from manufacturer's full range of standard and custom colors; maximum of five colors, three standard colors and two custom colors.

1.2 JOINT SEALANTS

- A. Elastomeric Sealants: Comply with ASTM C920, Standard Specification for Elastomeric Joint Sealants, and other requirements indicated for each liquid-applied chemically curing sealant specified, including those referencing ASTM C920 classifications for type, grade, class, and uses related to exposure and joint substrates.
- B. Window Perimeter Single-Component Neutral-Curing Silicone Sealant:
 1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Dow Corning Corporation: DOWSIL CCS or CWS
 - b. Tremco: Spectrum 3
 - c. GE: SCS2000
 2. Extent of Use: Exterior and interior perimeter joints at window frame perimeter and metal flashing.
- C. Window Glazing Silicone Sealant:
 1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Dow Corning Corporation: 791 Weatherproofing Sealant
 - b. Tremco: Tremsil 200
 - c. Pecora: 896-SSL
 2. Extent of Use: Interior and exterior window glazing

1.3 JOINT-SEALANT BACKING

- A. General: Provide sealant backings of material and type that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by the sealant manufacturer based on field experience and laboratory testing.
- B. Round Backer Rod: Closed-cell nongassing polyethylene foam rod per ASTM C1253. The diameter of the rod is to be approximately 25% in excess of joint width. Surface skin of rod shall be continuous and unbroken and of sufficient thickness to preclude

outgassing and formation of voids in the overlying sealant. Contractor is responsible for any sealant joints that blister as a result of offgassing at no additional cost to Owner.

C. 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 where such adhesion would result in sealant failure. Provide self-adhesive tape where applicable and width as required.

1.4 MISCELLANEOUS METAL

A. General: Provide materials and types of fasteners, protective coatings, sealants, and other miscellaneous items as required for complete sheet metal installation and as recommended by manufacturer of primary sheet metal or manufacturer item unless otherwise indicated

B. Aluminum Cover Plate. Minimum thickness: 0.040 in. (18 ga). Color to match existing metal sill pan flashing.

C. Fasteners:

1. ASTM D545, Standard Test Method for Performed Expansion Joint Fillers for Concrete Construction (Nonextruding and Resilient Types): Compression 10 psi, Extrusion 0.1 in., Recovery 99%, Water Absorption-volume 0.2%.
2. ASTM D1752, Standard Specification for Preformed Sponge Rubber Cork and Recycled PVC Expansion Joint Fillers for Concrete Paving and Structural Construction, Type II.

1.5 MISCELLANEOUS MATERIALS

A. Membrane Flashing: self-adhered detail membrane

1. GCP Technologies: Perm-A-Barrier Detail Membrane or approved equal.
2. Provide accessories (primer, adhesive, sealant, ect.) as needed per manufacturer recommendations.

B. 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.

C. 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.

D. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 – EXECUTION

1.1 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 joint-sealant performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

1.2 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, blast cleaning, 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 concrete, masonry, and unglazed surfaces of ceramic tile.
 3. Remove laitance and form-release agents from concrete.
 4. Clean nonporous 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 metal, glass, porcelain enamel, and glazed surfaces of ceramic tile.
- B. Joint Priming: Prime joint substrates, where recommended in writing by joint-sealant manufacturer, based on 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 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.

1.3 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 C1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.
- C. Install sealant backings of type 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 that 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.
 - 4. Do not place sealants over cut backings where off-gassing may increase the risk of sealant failure. Contractor to replace any sealant that fails due to the off-gassing of cut backer rod.
- F. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants according to requirements specified 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 configuration per Figure 5A in ASTM C1193 unless otherwise indicated.

1.4 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.

1.5 PROTECTION

Bid Set Specifications – March 17, 2025

A. Protect joint sealants during and after the curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so that sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out and remove damaged or deteriorated joint sealants immediately so that installations with repaired areas are indistinguishable from original work.

END OF SECTION 079200

SECTION 085200 - WOOD WINDOWS

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.
- B. Related Sections:
 - 1. Section 061000 - Rough Carpentry
 - 2. Section 079200 - Joint Sealants

1.2 SUMMARY

- A. Section Includes:
 - 1. Section includes factory-finished wood windows including double-hung and fixed units with simulated divided lites.

1.3 ACTION SUBMITTALS

- A. Product Data: For each product specified in Part 2 - Products.
- B. Shop Drawings: Indicate window types, sizes, glazing, muntin patterns, and anchorage details.
- C. Certifications: NFRC, AAMA, and WDMA certification documents.
- D. Warranty: Manufacturer's standard warranty on finish and materials.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 10 years of experience producing similar windows.
- B. Installer Qualifications: Trained and certified by the window manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver windows in manufacturer's original packaging.
- B. Store windows upright, off the ground, and protected from moisture.
- C. Prime and seal wood surfaces, including those to be concealed by wall construction, if more than 30 days will elapse between delivery and installation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design:
 - 1. Double-Hung Windows:
 - a. Marvin Ultimate Wood Double Hung Magnum Window with Simulated Divided Lites
 - b. Norwood Wood Series Historical Double Hung Window
 - c. Kolbe Heritage Series Traditional Double Hung Window
 - 2. Fixed Windows:
 - a. Marvin Ultimate Wood Picture Window
 - b. Norwood Picture Window
 - c. Kolbe Direct Set Forgent Series Window

2.2 WINDOW PERFORMANCE

- A. Air Infiltration: Maximum 0.30 cfm/sq ft per ASTM E283.
- B. Water Penetration: No leakage at 12 psf per ASTM E331.
- C. Structural: Meet or exceed design pressure of 50 psf per ASTM E330.
- D. U-Factor: Maximum 0.30 per NFRC 100.
- E. Solar Heat Gain Coefficient (SHGC): Maximum 0.25.

2.3 MATERIALS

- A. Frame and Sash: Solid wood.
 - 1. Wood Species: Non Finger-Jointed Pine, Douglas Fir, White Oak, Cherry, Mahogany, or Vertical Grain Douglas Fir.
 - 2. Kiln-dried to a moisture content no greater than 12% at the time of fabrication.
 - 3. Water-repellent preservative treated in accordance with ANSI/WDMA I.S.4.
- B. Exterior Finish: Manufacturer's standard factory-applied color finish.
 - 1. White.
- C. Glazing:
 - 1. Complying with ASTM C1036.
 - 2. Insulating glass SIGMA/IGCC certified per ASTM E2190.
 - 3. Available options: Low E1, Low E2, Low E3 with or without Argon; Laminated, Tempered, Obscure.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify rough openings are plumb, level, and properly prepared.
- B. Do not begin installation until unsatisfactory conditions are corrected.

3.2 INSTALLATION

- A. Install windows per manufacturer's instructions and AAMA standards.
- B. Use shims and fasteners to secure windows without distorting frames.
- C. Seal perimeter with approved joint sealants.
- D. Ensure proper operation of all operable units.

3.3 ADJUSTMENT AND CLEANING

- A. Adjust windows for smooth operation.
- B. Remove labels and clean glazing and frames with approved cleaners.
- C. Protect installed windows from damage until project completion.

3.4 PROTECTION

- A. Provide temporary coverings as needed to prevent damage.

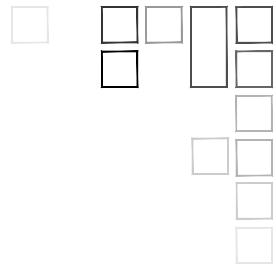
END SECTION 061000

MILTON TOWN LOCK-UP

WINDOW REPLACEMENT AND EXTERIOR WALL REPAIRS

25 WHARF ST., MILTON, MA 02187

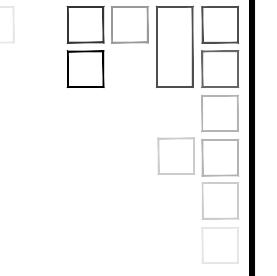
Thornton Tomasetti
Thornton Tomasetti, Inc.
101 Arch Street, Suite 1600
Boston, MA 02110-1130
T: 817.230.4100



SITE PLAN	DRAWING LIST	PROJECT SUMMARY
<p>STAGING/PARKING IS NOT PERMITTED IN LOT</p> <p>SUGGESTED STAGING AREA, APPROX. 20' x 20'</p>	<p>SHEET NAME SHEET NO. PAGE</p> <p>COVER SHEET C-000 1 OF 5</p> <p>ELEVATIONS A-200 2 OF 5</p> <p>WINDOW DETAILS 1 of 2 A-500 3 OF 5</p> <p>WINDOW DETAILS 2 of 2 A-501 4 OF 5</p> <p>BRICK DETAILS A-502 5 OF 5</p>	<p>THE MILTON LOCK-UP BUILDING IS LOCATED IN THE LOWER MILLS DISTRICT OF MILTON AND WAS INITIALLY CONSTRUCTED IN 1884. THE FOLLOWING IS A BRIEF SUMMARY OF THE SCOPE OF WORK PERTAINING TO THIS PROJECT. REFER TO DRAWINGS FOR APPROXIMATE QUANTITIES AND LOCATIONS.</p> <p>MASONRY WALL REPAIRS:</p> <ul style="list-style-type: none"> - REBUILDING OF BULGING SECTIONS OF BRICK AND REPLACEMENT OF INDIVIDUAL BRICK UNITS THAT ARE CRACKED OR UNSOUND, APPROXIMATE EXTENTS AS SHOWN ON A-200. - TOTAL REPOINTING OF DETERIORATED MORTAR JOINTS ON ALL FOUR FACADES <p>WINDOW REPLACEMENT:</p> <ul style="list-style-type: none"> - REPLACEMENT OF EXISTING DETERIORATED WOOD WINDOWS AND HISTORICALLY INAPPROPRIATE VINYL WINDOWS. - SUGGESTED WINDOW MANUFACTURERS AND PRODUCTS: <ul style="list-style-type: none"> - MARVIN: <ul style="list-style-type: none"> -- DOUBLE HUNG: ULTIMATE WOOD DOUBLE HUNG MAGNUM WINDOW WITH SIMULATED DIVIDED LITES -- FOR OPT. ALT. PRICE WITH AUTHENTIC DIVIDED LITES -- FIXED: ULTIMATE WOOD PICTURE WINDOW - NORWOOD: <ul style="list-style-type: none"> -- DOUBLE HUNG: WOOD SERIES HISTORICAL DOUBLE HUNG WINDOW -- FIXED: PICTURE WINDOW - KOLBE: <ul style="list-style-type: none"> -- DOUBLE HUNG: HERITAGE SERIES TRADITIONAL DOUBLE HUNG WINDOW -- FIXED: DIRECT SET FORGENT SERIES WINDOW
<p>STAGING/PARKING IS NOT PERMITTED IN LOT</p> <p>PROJECT SITE</p> <p>SUGGESTED STAGING AREA, APPROX. 20' x 20'</p>	<p>SYMBOLS</p> <p>SECTION</p> <p>SECTION NO. 1 A-101 DWG. NO.</p> <p>ELEVATION</p> <p>ELEVATION NO. 1 A-101.00 DWG. NO.</p> <p>DETAIL</p> <p>DETAIL NO. 1 A-101.00 DWG. NO.</p> <p>1 DWG REVISIONS</p> <p>XX WORK NOTE TAG</p> <p>W100 WINDOW TAG</p>	<p>NOT FOR CONSTRUCTION</p> <p>NO. ISSUE / BID SET / DATE</p> <p>MILTON TOWN LOCK-UP 25 WHARF ST., MILTON, MA 02187</p> <p>TITLE COVER SHEET</p>

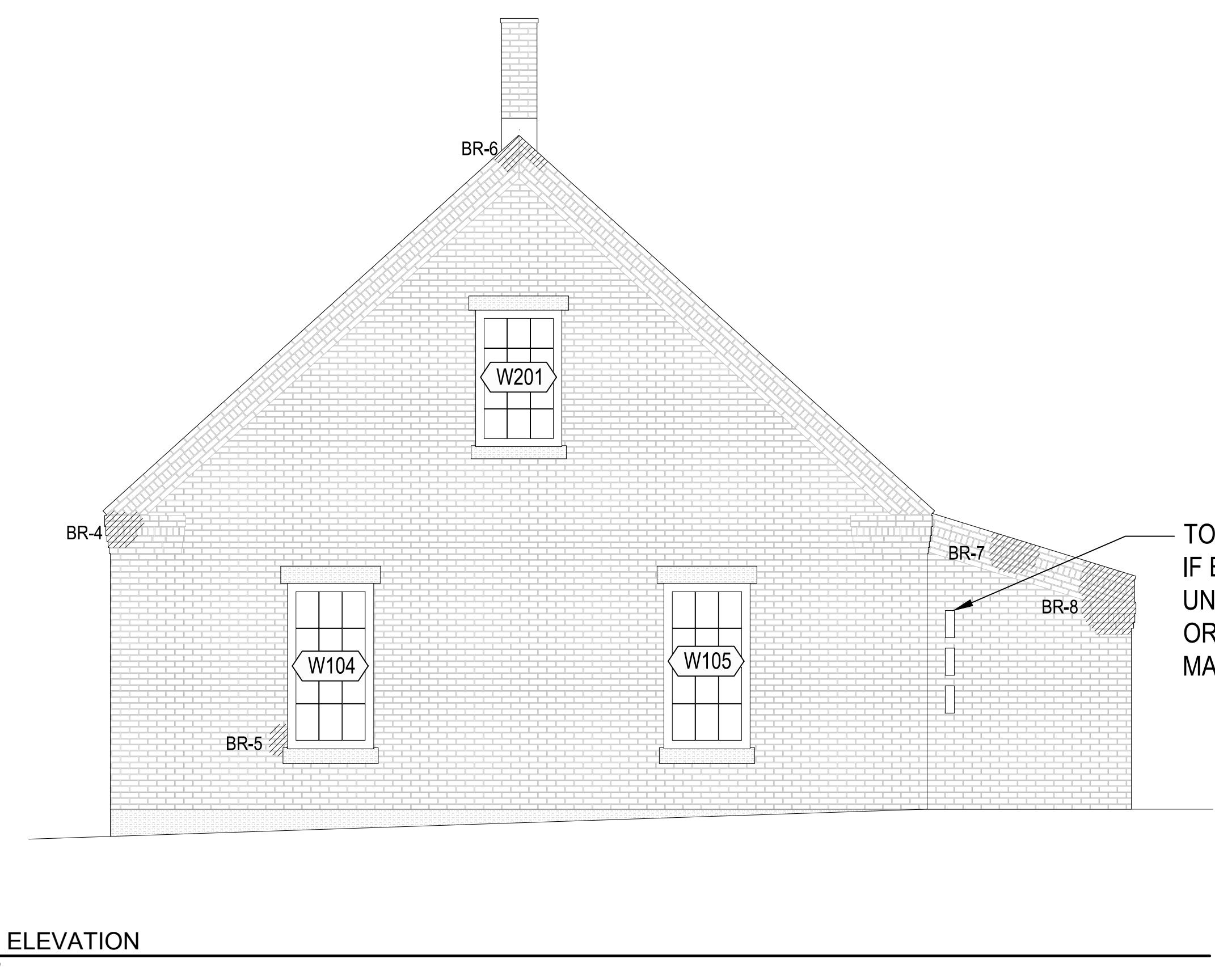
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1 NORTH ELEVATION

1/4" = 1'-0"



2 WEST ELEVATION

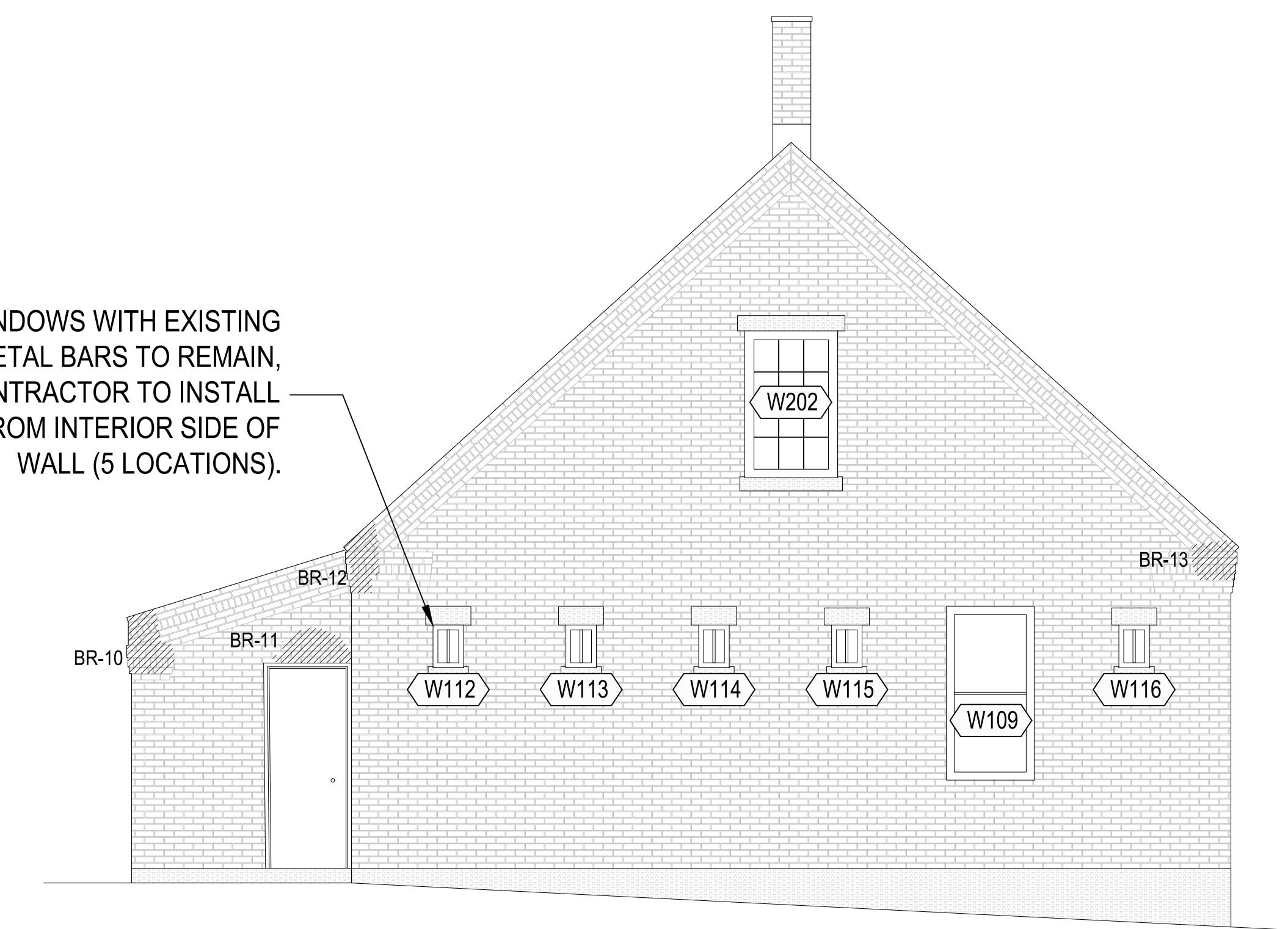
1/4" = 1'-0"



3 SOUTH ELEVATION

1/4" = 1'-0"

AT WINDOWS WITH EXISTING
METAL BARS TO REMAIN,
CONTRACTOR TO INSTALL
WINDOW FROM INTERIOR SIDE OF
WALL (5 LOCATIONS).

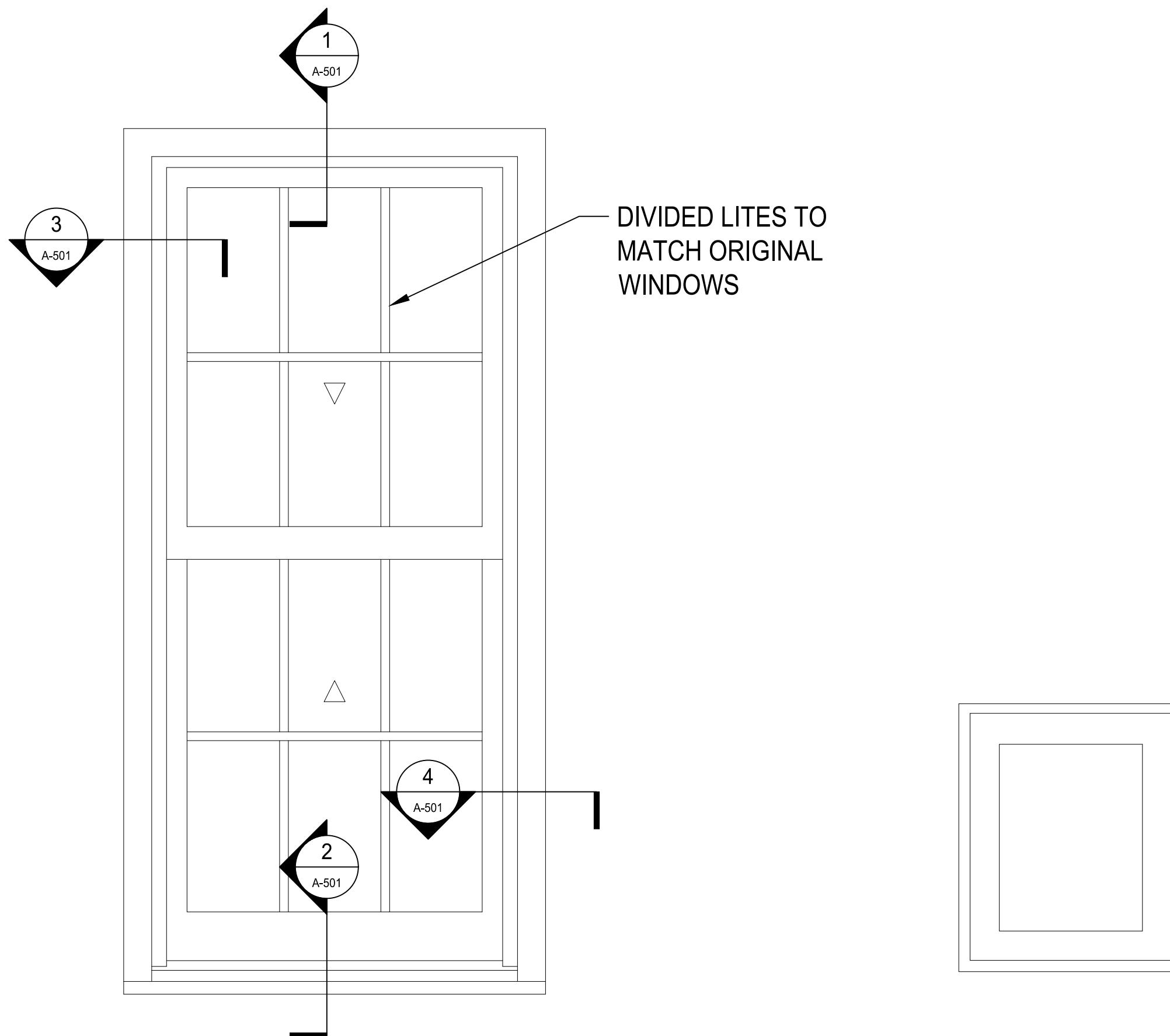
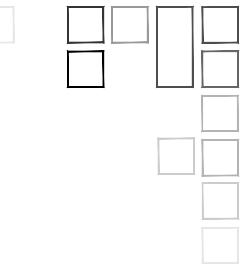


4 EAST ELEVATION

1/4" = 1'-0"

NOT FOR CONSTRUCTION

NO.	ISSUE	BID SET	DATE
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1 TYPICAL DH WINDOW ELEVATION (EXTERIOR)
NTS

2 TYPICAL FIXED WINDOW ELEVATION (EXTERIOR) NTS

WINDOW SCHEDULE

WINDOW SCHEDULE				
FLOOR	WINDOW DESIGNATION	TYPE	APPROX. MASONRY OPENING SIZE	
			WIDTH	HEIGHT
1ST FLOOR	W101	DH	±3'-2"	±6'-1"
	W102	DH	±3'-2"	±6'-1"
	W103	DH	±3'-2"	±6'-1"
	W104	DH	±3'-2"	±6'-1"
	W105	DH	±3'-2"	±6'-1"
	W106	DH*	±4'-8"	±6'-1"
	W107	DH	±2'-3"	±6'-1"
	W108	DH	±3'-2"	±6'-1"
	W109	DH	±3'-0"	±5'-11"
	W110	DH	±2'-4"	±3'-0"
	W111	DH	±2'-4"	±3'-0"
	W112	F*	±1'-0"	±1'-6"
	W113	F*	±1'-0"	±1'-6"
2ND FLOOR	W114	F*	±1'-0"	±1'-6"
	W115	F*	±1'-0"	±1'-6"
	W116	F*	±1'-0"	±1'-6"
	W201	DH	±3'-2"	±5'-0"
	W202	DH	±4'-8"	±5'-0"

- CONTRACTOR TO VERIFY SIZES OF ALL MASONRY OPENINGS IN FIELD.
- * INDICATES CUSTOM WINDOW SIZE MAY BE NEEDED TO FIT EXISTING MASONRY OPENING,
CONTRACTOR TO CONFIRM WITH SELECTED WINDOW MANUFACTURER.

ABBREVIATIONS:

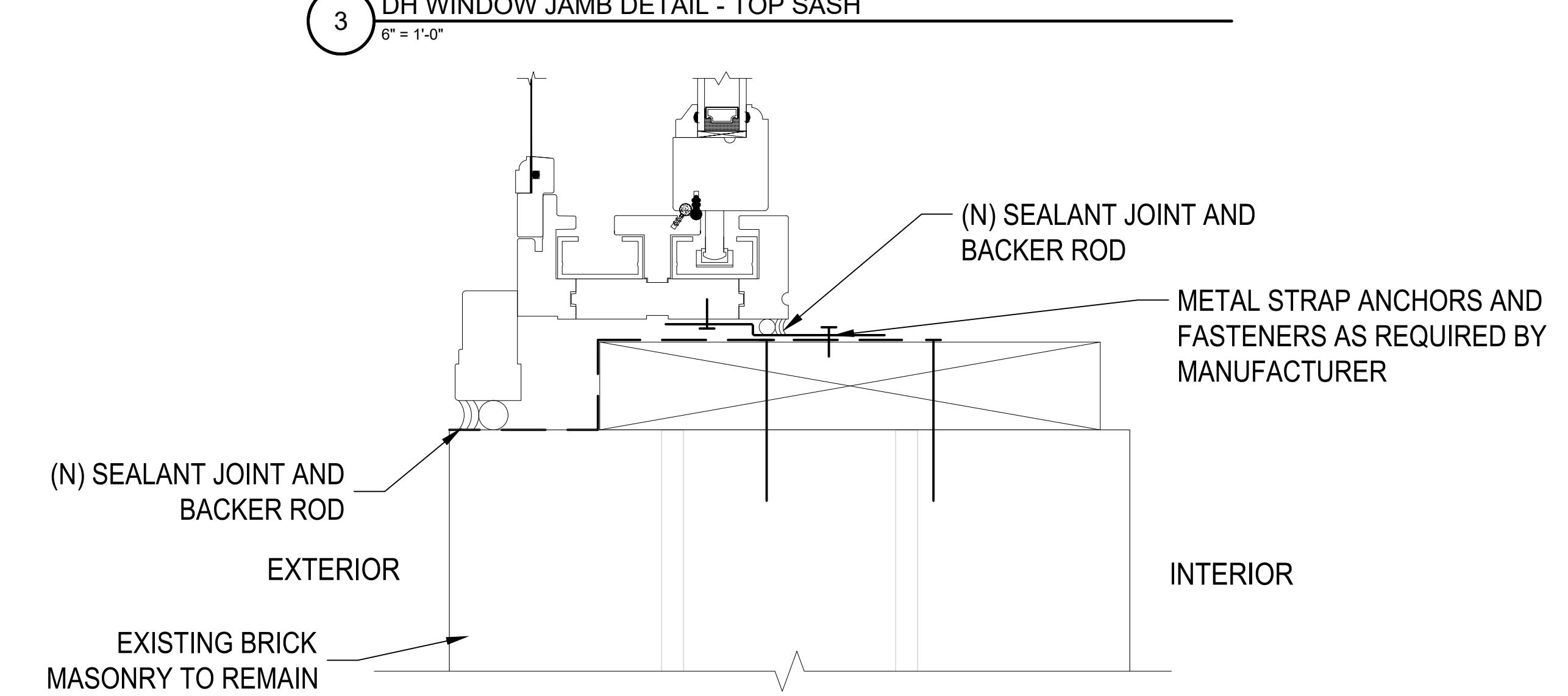
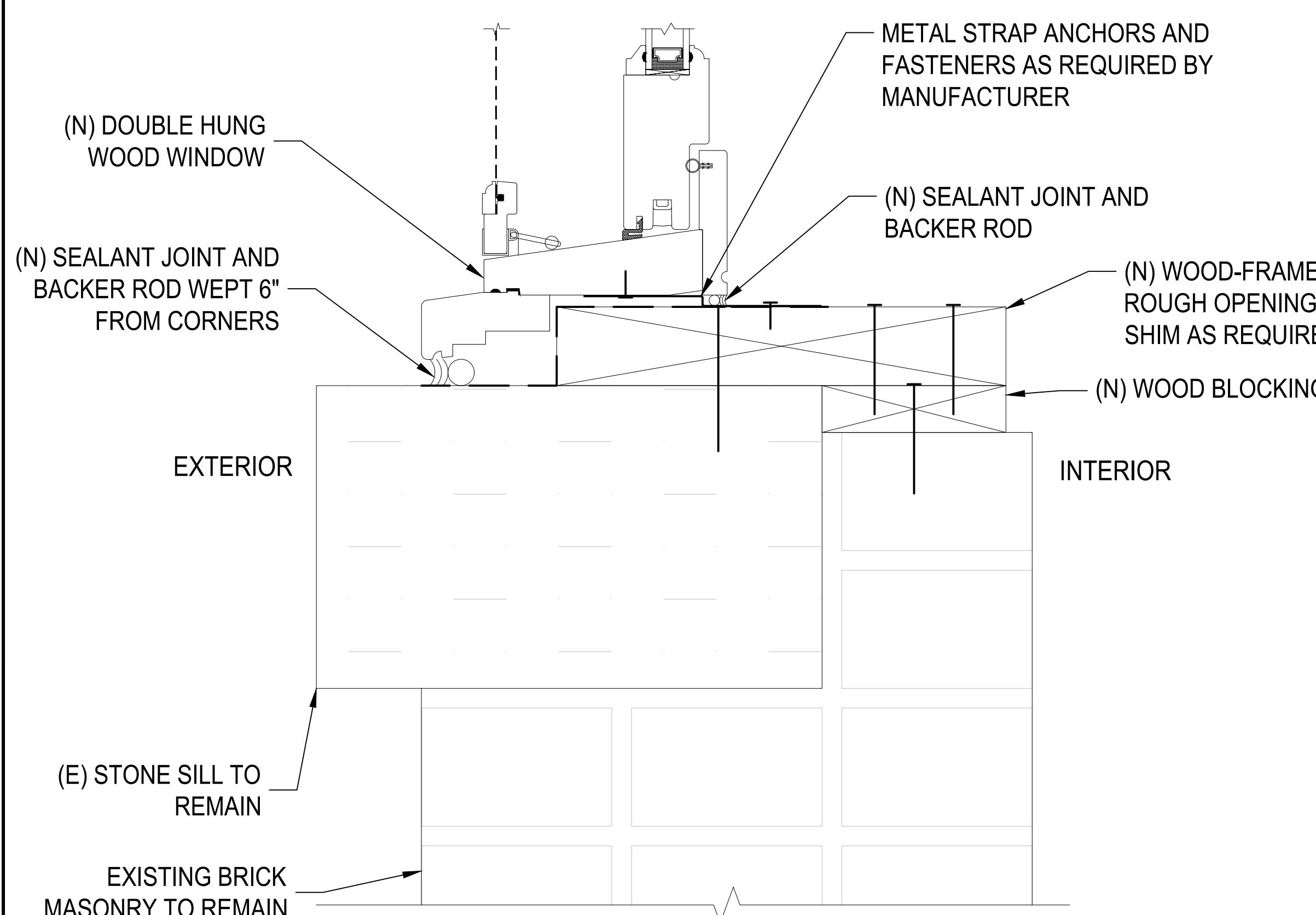
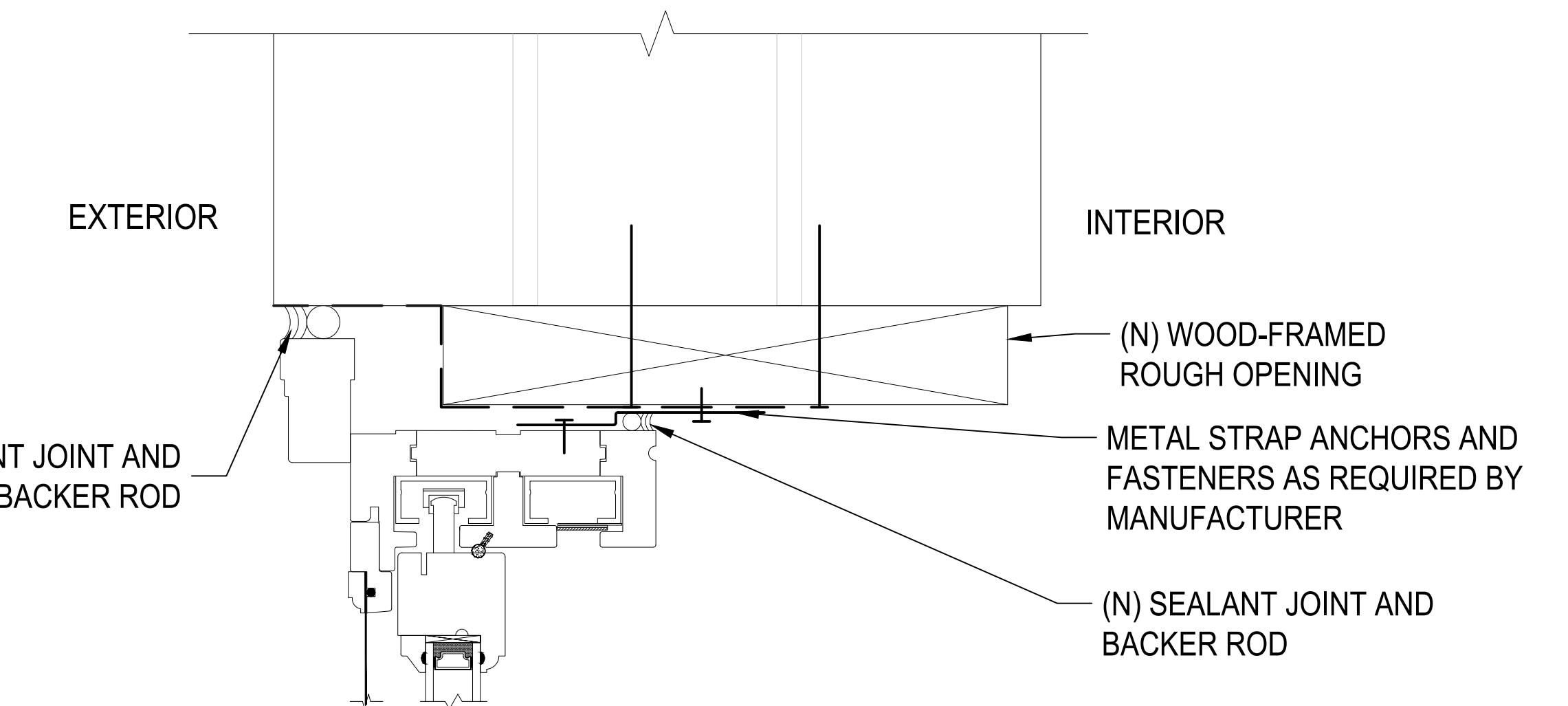
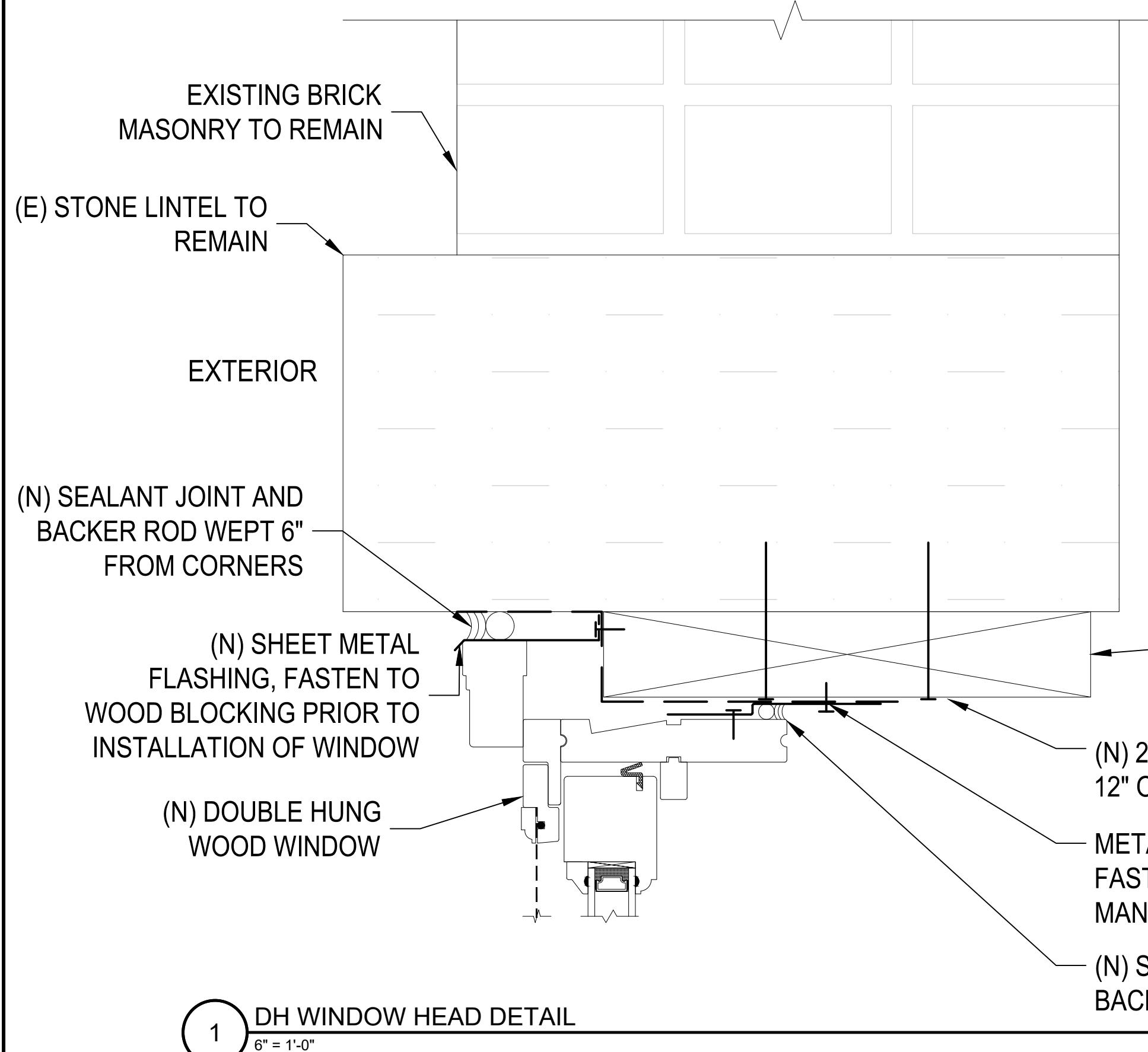
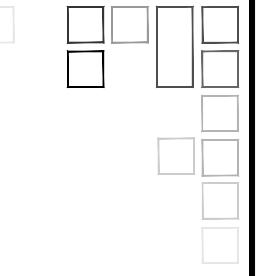
ABBREVIATIONS:

DH	=	DOUBLE HUNG WINDOW
F	=	FIXED WINDOW

NOT FOR CONSTRUCTION

MILTON TOWN LOCK-UP

WINDOW DETAILS of 2		
JECT 133.00		SHEET NUMBER
		A-500
IN BY		



2 DH WINDOW SILL DETAIL 6" = 1'-0"

NO. ISSUE	BID SET	DATE
08/10/2008		
MILTON TOWN LOCK-UP		
25 WHARF ST., MILTON, MA 02187		

WINDOW DETAILS
2 of 2