

# **ASHTABULA COUNTY, OHIO**



## **BOARD OF COUNTY COMMISSIONERS**

**CASEY R. KOZLOWSKI**

**KATHRYN L. WHITTINGTON**

**J.P. DUCRO IV**

## **SPECIFICATIONS**

**AND**

## **CONTRACT DOCUMENTS**

## **COURTHOUSE FLOORING REPLACEMENT PROJECT**

**APRIL 2024**

**CT CONSULTANTS, INC.  
4420 COOPER ROAD, SUITE 200  
CINCINNATI, OHIO 45242  
513-791-1700  
<http://www.ctconsultants.com>**

## **PROJECT INFORMATION**

**PROJECT:** COURTHOUSE FLOORING  
REPLACEMENT PROJECT

**OWNER:** ASHTABULA COUNTY, OHIO  
BOARD OF COUNTY  
COMMISSIONERS  
25 WEST JEFFERSON STREET  
JEFFERSON, OHIO 44047

**ARCHITECT:** CT CONSULTANTS, INC.  
4420 COOPER ROAD, SUITE 200  
CINCINNATI, OHIO 45242  
TELEPHONE: (513) 791-1700

**CONTACT:** BRIAN SABLA  
TELEPHONE 513-792-8417  
FAX 513-791-1936  
bsabla@ctconsultants.com

**CT PROJECT NUMBER:** 231987

**BID DUE DATE:** May 24, 2024 at 2:00 PM

**ADVERTISING DATE:** May 1, 2024 – The Gazette

The notice will also be advertised on the Ashtabula County website.

## LEGAL NOTICE

Sealed bids for the Courthouse Campus Flooring Replacement Project for the Ashtabula County Board of Commissioners located at 25 W. Jefferson St., Jefferson, OH 44047 will be received at the office of the Ashtabula County Commissioners, Attn: Lisa Hawkins, Clerk of the Board, 25 Jefferson St, Jefferson, OH 44047 until **2:00 pm on May 24, 2024**, and will be opened and read immediately after.

Project Opinion of Probable Cost: \$ 430,000.

Bids must be in accordance with drawings and specifications and on forms available from CT Consultants, Inc. at a nonrefundable cost of One-Hundred Twenty Five Dollars (\$125.00). Documents may be ordered by registering and paying for the documents online at <https://bids.ctconsultants.com>. Please contact [planroom@ctconsultants.com](mailto:planroom@ctconsultants.com) or call (440) 530- 2395 if you encounter any problems viewing, registering, or paying for the documents.

The bid specifications, drawings, plan holders list, addenda, and other bid information (**but not the bid forms**) may be viewed and/or downloaded for free via the internet at <https://bids.ctconsultants.com>. The bidder shall be responsible to check for Addenda and obtain same from the web site.

All bids must be made on the forms provided with the bid documents and shall be delivered in a sealed envelope, the outside properly marked with project title, date, and time of bid opening. Each bid must be in strict compliance with all the Instructions to Bidders to be considered for contract award.

Each bid shall contain the full name of each person or company submitting a bid and shall be accompanied by either:

- 1) A bond in accordance with division (B) of ORC 153.54 for the full amount of bid; or
- 2) A certified check or cashier check. The amount of the certified check or cashier check shall be equal to ten percent (10%) of the bid, as a security that they will enter into a contract should the bid be accepted.

All questions during bidding must be submitted in writing to CT Consultants, 4420 Cooper Road, Suite 200, Cincinnati, OH 45242, via email to [bsabla@ctconsultants.com](mailto:bsabla@ctconsultants.com) no later than **2:00 pm EST on May 17, 2024**. Ashtabula County Board of Commissioners staff will not be available to answer questions nor meet with potential Bidders outside of the Pre-Bid Meeting. Responses will be addressed via email as an addendum no less than 3 days prior to bid deadline.

A MANDATORY pre-bid meeting will be held in the Board of Commissioners Meeting Room, Second Floor, Old Courthouse, 25 W. Jefferson St., Jefferson, Ohio 44047 on **May 14, 2024, at 10:00 a.m. EST**. All bidders are required to attend, to be considered for the contract award.

Bidders must comply with prevailing wage rates on public improvements in Ashtabula County, Ohio as determined by the Ohio Bureau of Employment Services, Wage and Hour Division.

This notice is available online on the Ashtabula County website at [www.ashtabulacounty.us/bids](http://www.ashtabulacounty.us/bids) and accessed by clicking the appropriate link.

The Board of Commissioners reserves the right to reject any or all bids, waive all informalities or irregularities and to accept the lowest and best bid.

By order of the Board of County Commissioners, Ashtabula County, Ohio

Kathryn Whittington, J.P. Ducro IV, Casy Kozlowski

Lisa Hawkins, Clerk of Board  
Publish: May 1, 2024

# SPECIFICATION INDEX

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# **GENERAL CONDITIONS, INFORMATION, AND INSTRUCTIONS TO BIDDERS**

## **GENERAL**

In accordance with the Notice to Bidders, sealed bids will be received until **2:00 PM on May 24, 2024**, at the Ashtabula County Commissioners Office, Attn: Lisa Hawkins, Clerk of the Board, 25 West Jefferson Street, Jefferson, Ohio 44047, for the furnishing of labor and materials required for the **COURTHOUSE FLOORING REPLACEMENT PROJECT**, all in accordance with these instructions, conditions, specifications, and on the enclosed forms. All shall be submitted in a sealed envelope addressed to Lisa Hawkins, Clerk of the Board, Ashtabula County, Ohio, and shall be plainly marked on the outside of the envelope **COURTHOUSE FLOORING REPLACEMENT PROJECT**. No bid may be withdrawn once the bid has been deposited with the Owner, except in accordance with Ohio Revised Code, Section 9.31. Proposals received after the time for the opening of bids will be returned to the Bidder unopened.

## **ADDENDA**

Notify the Architect promptly, via e-mail at **bsabla@ctconsultants.com**, of any discrepancies in, or omissions from, the Contract Documents; all requests for information shall also be sent via e-mail. The Architect will issue a clarifying addendum to each Bidder on record as having received a set of Contract Documents. The Owner will not be responsible for oral instruction or information. Questions received less than five (5) days prior to bid date, which would require the issuing of an Addendum for resolution, cannot be answered. Any Addenda issued during the bidding period are to be included in the Proposal and shall become a part thereof.

## **SUBSTITUTIONS**

Substitutions may be proposed in the following two ways:

1. Submitted with the Contractor's Proposal. These requests shall be submitted on the enclosed form "Substitution Sheet".
2. Submitted after the Contract Award. These requests shall be submitted as described in Section 016000 "Product Requirements" and 012500 "Substitution Procedures" on CSI Form 13.1A.

## **DEFINITIONS AND TERMS**

The County or Ashtabula County, when used, shall mean the party of the first party or its properly authorized agents acting severally within the scope of the particular duties and responsibilities entrusted to them and hereinafter referred as "Owner".

"Architect", when used, shall mean CT Consultants, Inc., or any person duly authorized by CT Consultants to act in its behalf on the Project.

"Bidder" and/or "Contractor", when used, shall mean the person, company, entity or its/their agent(s), or any other person(s) duly authorized by them to act on its behalf on submitting a bid for the contract and the successful Bidder will become Contractor. The terms Bidder and Contractor shall be used interchangeably.

"Contract", when used, shall mean the Contract Documents and Specifications, including but not limited to, the General Conditions, Control of Work, Legal Relations, Bid Proposal, Plans, Drawings, Drawings and written Addendum(s) in addition to the Bid Proposal and Legal forms and shall be considered as a whole integrated document.

### **EXAMINATION OF PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND SITE OF WORK**

The Bidder is expected to examine carefully the site of the proposed work, plans, specifications, contract forms, general conditions, and addenda, before submitting a bid. The submission of a bid shall be considered evidence that the Bidder has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to the requirements of the plans, specifications, special provisions, general conditions, addenda and contract.

Subject to public safety and convenience, prospective Bidders will be permitted to inspect the areas of the proposed building and site. No one shall enter any County property without obtaining prior approval.

A **MANDATORY** Pre-Bid Conference will be held on **May 14, 2024 at 10:00 AM** at the Ashtabula County Commissioners Building, Old Courthouse, 25 West Jefferson Street, Jefferson, Ohio 44047, where a tour of the areas to be included in the project will be conducted.

The Owner does not make any representation of conditions or existing building materials; nor does it represent that Contract Documents may not be modified to meet changes in existing conditions encountered as the work progresses.

### **REQUIREMENT OF BID GUARANTY AND CONTRACT BOND**

No bid will be considered unless accompanied by a bond, letter of credit, or certified check drawn on a solvent bank, in an amount not less than ten percent (10%) of the Bidders Proposal and made jointly payable to the Ashtabula County Board of Commissioners.

The successful Bidder must furnish a Contract Bond in the full amount of his Bid, which bond shall cover the entire Contract including the correction period. Agents of bonding companies shall furnish evidence of their power of attorney, bearing the seal of the company authorizing them to execute the particular type of bond to be furnished.

If at any time after the approval of the Contract Bond and the execution of the Contract the Owner shall deem the surety or sureties upon the bond to be unsatisfactory, or if for any reason the bond shall cease to be adequate security for the Owner, the Contractor shall, within five days after notice from the Owner to do so, furnish a new or additional bond which shall be adequate and satisfactory to the Owner. All costs of such bonds shall be paid for by the Contractor. The Owner shall determine the sufficiency of all sureties.

**AWARD OF CONTRACT**

The award of the Contract, if it be awarded, will be made to the lowest and best overall Bidder as determined by the Owner, consistent with Ohio law, whose proposal complies with all the requirements prescribed. In no case will an award be made until all necessary investigations are made as to the responsibility of the Bidder to whom it is proposed to award the Contract. The successful Bidder will be notified by letter mailed to the address shown on his proposal that his bid has been accepted and that he has been awarded the Contract. It is anticipated that the decision to award the Contract will be made by the Board of Commissioners on May 30, 2024.

The Owner reserves the right to reject any or all bids.

The Owner reserves the right to require the Bidder to present satisfactory evidence that they have been regularly engaged, as either principal or superintendent in the business of construction work similar to that proposed herein; to require the Bidder to present satisfactory evidence that he is fully prepared with the necessary capital, material, machinery and equipment to conduct the work to be contracted for to the satisfaction of the Owner; and to begin promptly when so ordered.

**EXECUTION OF CONTRACT**

The Contract shall be signed by the successful Bidder and returned together with the Contract Bond and other Contract Documents within ten (10) days after the Bidder has received notice that the Contract has been awarded. Failure to do so will constitute grounds for the Owner to consider another bidder. No proposal shall be considered binding upon the Owner until the execution of the Contract. If the Contract is not executed by the Owner within sixty (60) days following receipt from the Bidder of the required Contract Documents, the Bidder will have the right to withdraw his bid without prejudice.

If the successful Bidder is a corporation, the officer who signs the Contract shall furnish copies of a resolution of the Directors of the Corporation bearing the seal of the corporation, authorizing him to sign the Contract.

**CONTRACTOR'S INSURANCE**

Insurance Requirements – Contractor shall procure and maintain for the duration of the contract, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Contractor, its agents, representatives, employees or subcontractors.

A. **Minimum Scope of Insurance** – Contractor’s insurance coverages shall include the following:

1. **Workers Compensation Insurance.** Contractor shall comply with provisions of the laws and rules of the Ohio Bureau of Workers Compensation covering all operations under the contract with the Department, whether performed by the Contractor or by its Subcontractors.

2. **Commercial General Liability Insurance.** Contractor shall maintain the following minimum limits for liability insurance:

General aggregate limit \$2,000,000.00



Products – Completed Operations aggregate limit	\$2,000,000.00
Personal and advertising injury limit	\$1,000,000.00
Each occurrence limit	\$1,000,000.00

3. **Comprehensive Automobile Liability Insurance.** Contractor shall carry comprehensive automobile liability insurance covering owned, non-owned and hired vehicles with a minimum limit for bodily injury and property damage per occurrence in the amount of \$1,000,000.00.

Insurance coverage in the minimum amounts set forth above neither relieves the Contractor from liability in excess of such coverage, nor precludes the Owner from taking such other actions as are available to it under any other provisions of this contract or otherwise in law. If the Contractor maintains higher limits than the minimum shown above which the Owner requires, the Owner shall be entitled to coverage for the higher limits maintained by the Contractor. The minimum coverages provided herein may be obtained through primary insurance or any combination of primary and excess/umbrella insurance.

B. **Notice of Cancellation** – Each insurance policy required herein shall state that the coverage shall not be cancelled except with notice to the Owner. If the Contractor receives a non-renewal or cancellation notice from an insurance carrier providing coverage required herein, or receives notice that coverage no longer complies with the requirements herein, Contractor agrees to notify the Owner by facsimile or email within five (5) business days with a copy of the non-renewal or cancellation notice or written explanation of how coverage is no longer in compliance. The Contractor shall cease operations on the occurrence of any such non-renewal, cancellation or material change and shall not resume operations until insurance is in force that complies with these requirements.

C. **Other Insurance Provisions** – The policies of insurance required herein shall contain, or be endorsed to contain, the following provision:

**Additional Insured.** Ashtabula County, Ohio, its officials, agents and employees, shall be named as Additional Insureds under the commercial general liability and automobile liability policies as respects liability arising out of work or operations performed by or on behalf of the Contractor within this project. Coverage shall be primary to the Additional Insureds and not contributing with any other insurance or similar protection available to the Additional Insureds, whether other available coverage be primary, contributing or excess.

D. **Proof of Coverage** – The Contractor shall furnish the Owner with Certificates of Insurance and any amendatory endorsements, or copies of insurance policy language effecting the coverages required herein. All Certificates and endorsements shall be received by the Owner before work commences upon the project. The Owner reserves the right to demand at any time during Contractor's work on the project current Certificates, endorsements and verification of coverages. Provides, however, the Owner's failure to demand proof of coverages at any time, including prior to commencement of the work, shall not waive Contractor's obligation to provide such coverages.

E. **Subcontractor's Insurance** – Contractor shall not permit any Subcontractor to commence work, nor continuing work on the project until the same coverages required of

Contractor herein are in effect. Subcontractors performing work must also name the Owner as an Additional Insured in the same language as provided in Paragraph C herein.

All of the insurance referred to above shall be subject to the approval of the Owner and shall be kept in full force and effect, during the term of the project, and in respect to completed operations, coverage shall apply for two years after completion. The Architect assumes no responsibility for the adequacy of insurance limits and coverages.

The Contractor and his subcontractors agree to limit the liability of the Architect and Owner due to the negligent acts, errors or omissions of the Architect, such that the total aggregate liability shall not exceed \$50,000.00 or the Architect's total fee charged for services rendered on this project, whichever is greater.

### **COMPLETION DATE**

The work under the terms of this Contract shall be substantially complete and ready for use no later than **FRIDAY SEPTEMBER 13, 2024**.

In the event that the Project is not completed within the Contract Time, including authorized extensions (in writing), the Contractor shall reimburse the Owner the cost of the extra Architectural and Engineering services (Construction Administration and Secretarial work plus expenses based on the Architect-Engineer hourly rates), plus any other expenses or losses the Owner incurs as a result thereof.

### **TERMINATION OF OWNER'S LIABILITY**

No person, partnership, firm or corporation other than the Contractor shall have any interest in the Contract, and no claim shall be made or held valid, and neither the Owner nor its agents shall be held liable for, nor shall be held to pay any money except as herein provided. The acceptance by the Contractor of the final payment made as aforesaid shall operate as, and shall constitute, a release to the Owner and its agents from any claim or liability to the Contractor for anything done or furnished for, or relating to the Work, or for any act or neglect of the Owner or any person related to or connected with the Work.

### **TAXES**

The Contractor will be required to pay, without additional expense to the Owner, all Federal, State, local, and other taxes which may be applicable to the Work, excepting any taxes and assessments on the real property comprising the site of the Work. The Owner will provide a State Sales Tax Exemption Certificate to the Contractor for materials incorporated into the Work.

The Contractor hereby agrees to withhold all County and/or Village income taxes due or payable under the provisions of the Codified Ordinances of the County and/or Village for wages, salaries, and commission paid to its employees who will work within the Village limits, and further agrees that any of its subcontractors shall be required to withhold any such County and/or Village income taxes due under said Code for services performed under this Contract. The Contractor is advised to get full information from the Tax Office prior to bidding.

## **CONTROL OF WORK**

### **NOTICE**

Where in any of the Contract Documents there is any provision in respect to the giving of any notice, such notice shall be deemed to have been given: as to the Owner, when written notice shall be delivered to the Architect or to the Owner; as to the Contractor, when a written notice shall be delivered to the chief representative of the Contractor at the site of the work or by mailing such written notice in the United States mail addressed to the Contractor at the place stated in his Proposal as the address of his permanent place of business; as to the Surety on the Contract Bond, when written notice is placed in the United States mail addressed to the Surety at the home office of such Surety or to its agent or agents who executed such performance bond in behalf of such Surety.

### **DECISIONS**

All the work under this Contract shall be done in accordance with the Plans and Specifications. The Architect will determine the amount, quality, acceptability and fitness of the several kinds of work and materials which are to be paid for hereunder and will decide all questions of fact, but not of law, which may arise as to the fulfillment of the Contract on the part of the Contractor. The Architect's determination and decision thereon shall be final and conclusive and such determination and decision, in case any questions of fact arise, shall be a condition precedent to the right of the Contractor to receive any monies hereunder.

### **PLANS AND SPECIFICATIONS**

Any requirements appearing in any one of the Contract Documents (Drawings or Specifications) is as binding as though appearing in all. The Plans and Specifications are intended to be explanatory of and supplementary to one another, but should any discrepancy appear or any misunderstanding arise as to the importance of anything contained thereon or therein, the explanation of interpretations of the Architect shall be final and binding on the Contractor. Correction of any error or omission in the Plans or the Specifications may be made by the Architect when such correction is necessary to clarify the intended meaning.

### **INSPECTION OF WORK**

All materials and each part or detail of the work shall be subject to inspection by the Architect. The Architect or his representative shall be allowed access to all parts of the work and shall be furnished with such information and assistance by the Contractor as is required to make a complete and detailed inspection.

If the Architect requests it, the Contractor, at any time before acceptance of the work, shall remove and uncover such portions of the finished work as may be directed. After examination, the Contractor shall restore said portions of the work to the standard required by the specification. Should the work thus exposed or examined prove acceptable, the uncovering, removing, and the replacing of the covering or making good of the parts removed will be paid for as extra work; but should the work so exposed or examined prove unacceptable, the uncovering or removing and the replacing of the covering or making good of the parts removed will be at the Contractor's expense.

Any work done or materials used without inspection by an authorized representative may be ordered removed and replaced at the Contractor's expense. Failure to reject any defective work or material shall not in any way prevent later rejection when such defects are discovered or obligate the Owner to final acceptance.

The Contractor shall notify the Architect at least forty-eight (48) hours in advance of operations requiring plant or field inspection. The Contractor will pay the cost of all inspections unless specifically stated otherwise.

At the discretion of the Architect, the Owner will charge the Contractor with inspection costs when it incurs additional expense for such because of:

1. Reinspection due to rejection;
2. Use of inspected materials on other than the Owner's work;
3. When inspection is requested and cannot be performed;
4. For any other cause over which the Owner has no control.
5. All inspection services performed after the original contract completion date.

These charges for unnecessary inspection or inspection costs due to causes within the Contractor's control will be deducted from amounts due the Contractor at the completion of the work.

### **SUBCONTRACTORS**

The Contractor shall furnish the Architect the names of subcontractors proposed and shall not employ any subcontractor that the Architect objects to as incompetent or unfit. The Contractor shall be responsible to the Owner for his subcontractors.

### **SUBLETTING, ASSIGNING**

Except for the supplying of materials, the Contractor shall not assign, transfer, convey, sublet or otherwise dispose of the Contract or his rights, title or interest in or to the same or any part thereof, without the written consent of the Owner. Such consent shall not release or relieve the Contractor or his surety from any obligation or liability under the Contract.

## **LEGAL RELATIONS AND PUBLIC RESPONSIBILITY**

### **RESPONSIBILITY FOR WORK**

The Contractor will be held responsible for the entire work until it is completed and until same is finally accepted by the Owner. The Contractor will be held responsible for damages resulting from his own fault or because of his noncompliance with the Plans, Specifications, and Contract.

Contractor shall comply with all of the Owner's requirements and regulations for this location.

### **LICENSING**

Contractor and subcontractors shall comply with all local and state licensing requirements.

### **PROGRESS**

Before the Contractor begins construction, he shall submit to the Architect a schedule showing the method and manner which the Contractor proposes to pursue so as to complete the proposed construction in such a manner that it will be ready for final acceptance within the time stated in the Contract. Said schedule will show location, sequence, equipment, manpower and estimated calendar days to complete each segment of work required. Upon approval of the Architect as to the starting point of the various phases of the construction, the method and manner of performing the work and the sequence of operations shall not be altered except with the approval of the Architect.

The Contractor shall use all practical means to make the progress of the work conform to that shown on the progress schedule which is in effect. No payment will be made to the Contractor while he is delinquent in the submission of a progress schedule. Should the prosecution of the work, for any reason, be discontinued, the Contractor shall notify the Architect at least twenty-four (24) hours in advance of resuming operations.

### **RESPONSIBILITY FOR DAMAGE CLAIMS, ACCIDENTS, INJURIES OR LOSSES**

The Contractor and Surety shall indemnify and save the Owner and all of its representatives harmless from and against all suits, actions or claims of any character brought on account of actual or alleged damages, accidents, injuries or losses sustained by any person or property resulting from any act, error, or omission of the Contractor, his agents or employees, in the execution of the work or in guarding the same. As much of the money due or to become due the Contractor under the Contract, as may be considered necessary by the Owner, will be retained by the Owner to protect itself against loss until all suits or damage claims shall have been settled, and satisfactory evidence to that effect shall have been furnished to the Owner, provided however, that no money shall be so withheld except where the reasonable estimated amount of potential claims exceeds the applicable limits of the insurance requirements.

### **CONTRACTOR'S CLAIMS FOR DAMAGES**

If the Contractor shall claim compensation for any alleged damage by reason of the acts or omissions of the Owner, or its agents, he shall, within five (5) days after the sustaining of such

damage, make a written statement to the Architect of the nature of the alleged damage. On or before the last day of the month next succeeding that in which any such damage is claimed to have been sustained, the Contractor shall file with claims, an itemized statement of the details and amount of the damage. Upon request of the Architect, the Contractor shall give him access to all books or papers containing evidence relative to the amount of such damage.

Unless such statements shall be filed as thus required, the Contractor's claims for compensation shall be forfeited and invalidated, and he shall not be entitled to payment on account of any such damage.

### **DELAY AND EXTENSION OF TIME**

If the work is delayed by act or neglect of the Architect or Owner, or by strikes, lockouts, fires, or other causes beyond the Contractor's control, the time completion must be extended by the Owner an amount equal to the time unavoidably lost.

### **INJUNCTIONS**

If legal obstructions to the prosecution of the Work of less than three months duration arise, the delay shall operate to extend the time for the completion of the part or the parts of the Work obstructed for the length of time the obstruction continues and no longer, but no damages shall be claimed or allowed the Contractor for any such delay.

### **UNSATISFACTORY PROGRESS AND TERMINATION OF THE CONTRACT**

In case the Contractor or any Subcontractor fails to furnish materials or to execute the Work in accordance with the Plans and Specifications, or if the provisions of the Contract are otherwise violated, then in any such case, upon ten days written notice to the Contractor and his Surety, the Owner shall have the right to declare the Contractor in default on the Contract. Said notice shall contain the reason for the Owner's intention to declare the Contractor in default on the Contract and, unless within ten days after service of said notice the violation shall cease or satisfactory arrangements shall have been made for its correction, the Contractor, upon the expiration of said ten days, shall be in default on the Contract and his right to proceed under the Contract shall be terminated.

In the event the Contract is thus declared to be defaulted, the Owner will immediately notify the Contractor and his Surety of such action, and will at once cause the work already done to be measured and computed. The action of the Owner in the declaration of the default of the Contract shall be final and conclusive, and the Contractor shall not be entitled to claim or receive any damages for not being allowed to continue. After the default of the Contract, the Surety shall have the right to take over and complete the Work, provided, however, that the Surety shall notify the Owner in writing of its intent to do so within twenty (20) days after the notice of the default of the Contract. Such completion of the Work by the Surety shall be done in strict accordance with all the provisions of the original Contract. However, if the Surety does not take over the Contract as stated above, then the Owner shall cause the Work to be completed under a second contract. If the cost of the Work done under the second contract exceeds what it would have cost under the original Contract, the increased cost shall be paid from any money due the Contractor under the Contract, and if that is not sufficient, then the increased cost shall be paid by the Contractor and/or his Surety.

They shall also pay all cost and expense of reletting the Work and all damages resulting from noncompletion of the Work within the Contract time. If, when the Work is completed, it is found that there is any money due the Contractor, it will be paid to him; but no money shall be paid to the Contractor under the Contract after it has been declared in default, until the Work has been completed and accepted and all claims and suits resulting therefrom shall have been settled.

**CONTRACTOR'S RIGHT TO TERMINATE CONTRACT**

The Contractor may terminate the Contract, upon ten days written notice to the Owner, if any public authority should stop the Work for three months, or if the Architect should fail to issue a certificate of payment, or if the Owner should fail to pay in accordance with this agreement.

## PREVAILING WAGE

Under 4115.071, Paragraph "C" of the Ohio Revised Code, any Contractor or Subcontractor contracting with a Public Authority must submit certain personnel and payroll information to that Public Authority's prevailing Wage Coordinator during the life of the Contract.

Any Contractor or Subcontractor participating in a public works project must:

1. Supply to Prevailing Wage Coordinator of the contracting public authority a schedule of the dates during the life of his contract with the authority on which he is required to pay wages to employees.
2. Deliver to the Prevailing Wage Coordinator a certified copy of his payroll, within two weeks after the initial pay date, and supplement report for each month thereafter. If the construction period is to be less than one month, the payroll reports must be made on a weekly basis. Payroll reports must contain the following information:
  - a. Wages
  - b. Name
  - c. Current address
  - d. Social Security number
  - e. Number of hours worked during each day of the pay periods covered and the total for each week.
  - f. Hourly rate of pay
  - g. Job classification
  - h. Fringe payments
  - i. Deductions from his wages.

### **WAGE RATES**

When the total overall project equals, or exceeds, \$75,000, all bidders must comply with the prevailing wage rates on Public Improvements in Ashtabula County and, as ascertained and determined by the Administrator of the Ohio Bureau of Employment Services (OBES) as provided in Section 4115.05 through 4115.034 of the Revised Code of the State of Ohio. It is anticipated that the Prevailing Wage Law will apply to this project.



**PREVAILING WAGE AFFIDAVIT**

An "Affidavit of Contractor or Subcontractor, Prevailing Wage", must be executed and returned to the Owner upon completion of the project. Final payment will be retained until the document is received. Please note that the affidavit encompasses the work done by all Subcontractors as well as the Contractor's work force.



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# Ohio Department of Commerce

## Bureau of Wage & Hour Administration

[Consumers](#)

[Business](#)

[License/Permit Holders & Applicants](#)

[Other Government Agencies](#)

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**Classification = All, County = ASHTABULA, Union = All**

County	Classification	Effective	Posted	Union
<a href="#">ASHTABULA</a>	<a href="#">Boilermaker</a>	<a href="#">4/3/2019</a>	<a href="#">4/3/2019</a>	<a href="#">Boilermaker Local 744</a>
<a href="#">ASHTABULA</a>	<a href="#">Bricklayer</a>	<a href="#">6/7/2023</a>	<a href="#">6/7/2023</a>	<a href="#">Bricklayer Local 23 Heavy Hwy (A)</a>
<a href="#">ASHTABULA</a>	<a href="#">Bricklayer</a>	<a href="#">6/7/2023</a>	<a href="#">6/7/2023</a>	<a href="#">Bricklayer Local 23 Heavy Hwy (B)</a>
<a href="#">ASHTABULA</a>	<a href="#">Bricklayer</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Bricklayer Local 23 (Cleveland Marble Finisher)</a>
<a href="#">ASHTABULA</a>	<a href="#">Bricklayer</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Bricklayer Local 23 (Cleveland Marble Mason)</a>
<a href="#">ASHTABULA</a>	<a href="#">Bricklayer</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Bricklayer Local 23 (Cleveland Marble, Terrazzo, &amp; Mosaic)</a>
<a href="#">ASHTABULA</a>	<a href="#">Bricklayer</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Bricklayer Local 23 (Cleveland Terrazzo Finisher)</a>
<a href="#">ASHTABULA</a>	<a href="#">Bricklayer</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Bricklayer Local 23 (Cleveland Zone 1 Tile Finisher)</a>
<a href="#">ASHTABULA</a>	<a href="#">Bricklayer</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Bricklayer Local 23 (Cleveland Zone 1 Tile Layer)</a>
<a href="#">ASHTABULA</a>	<a href="#">Bricklayer</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Bricklayer Local 23 (Mentor)</a>
<a href="#">ASHTABULA</a>	<a href="#">Carpenter</a>	<a href="#">8/30/2023</a>	<a href="#">8/30/2023</a>	<a href="#">Carpenter Commercial Zone NEO 1A</a>
<a href="#">ASHTABULA</a>	<a href="#">Carpenter</a>	<a href="#">8/30/2023</a>	<a href="#">8/30/2023</a>	<a href="#">Carpenter Floorlayer Zone NEO 1A</a>
<a href="#">ASHTABULA</a>	<a href="#">Carpenter</a>	<a href="#">8/30/2023</a>	<a href="#">8/30/2023</a>	<a href="#">Carpenter Hev Hwy Zone NHH C1-B</a>
<a href="#">ASHTABULA</a>	<a href="#">Carpenter</a>	<a href="#">9/13/2023</a>	<a href="#">9/13/2023</a>	<a href="#">Carpenter Insulation Zone NEO 1A</a>
<a href="#">ASHTABULA</a>	<a href="#">Carpenter</a>	<a href="#">8/30/2023</a>	<a href="#">8/30/2023</a>	<a href="#">Carpenter Millwright NE Zone M1-A</a>
<a href="#">ASHTABULA</a>	<a href="#">Carpenter</a>	<a href="#">3/5/2014</a>	<a href="#">3/5/2014</a>	<a href="#">Carpenter NE District Industrial Dock &amp; Door</a>
<a href="#">ASHTABULA</a>	<a href="#">Carpenter</a>	<a href="#">8/30/2023</a>	<a href="#">8/30/2023</a>	<a href="#">Carpenter Pile Driver Hev Hwy Zone NHH P2-B</a>
<a href="#">ASHTABULA</a>	<a href="#">Cement</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Cement Mason Local 404</a>
<a href="#">ASHTABULA</a>	<a href="#">Cement Mason</a>	<a href="#">5/1/2023</a>	<a href="#">4/26/2023</a>	<a href="#">Cement Mason Statewide HevHwy Exhibit B District I</a>
<a href="#">ASHTABULA</a>	<a href="#">Electrical</a>	<a href="#">11/10/2022</a>	<a href="#">11/10/2022</a>	<a href="#">Electrical Local 673 Lightning Rod</a>
<a href="#">ASHTABULA</a>	<a href="#">Lineman</a>	<a href="#">2/7/2024</a>	<a href="#">2/7/2024</a>	<a href="#">Electrical Local 71 Cleveland Commercial Projects</a>
<a href="#">ASHTABULA</a>	<a href="#">Lineman</a>	<a href="#">2/7/2024</a>	<a href="#">2/7/2024</a>	<a href="#">Electrical Local 71 Cleveland Municipal Power &amp; Transit</a>
<a href="#">ASHTABULA</a>	<a href="#">Lineman</a>	<a href="#">2/7/2024</a>	<a href="#">2/7/2024</a>	<a href="#">Electrical Local 71 DOT Traffic Signal Highway Lighting Cleveland</a>
<a href="#">ASHTABULA</a>	<a href="#">Lineman</a>	<a href="#">2/7/2024</a>	<a href="#">2/7/2024</a>	<a href="#">Electrical Local 71 High Tension Pipe Type Cable</a>
<a href="#">ASHTABULA</a>	<a href="#">Lineman</a>	<a href="#">2/7/2024</a>	<a href="#">2/7/2024</a>	<a href="#">Electrical Local 71 Outside Utility Power</a>
<a href="#">ASHTABULA</a>	<a href="#">Lineman</a>	<a href="#">2/7/2024</a>	<a href="#">2/7/2024</a>	<a href="#">Electrical Local 71 Underground Residential Distribution</a>
<a href="#">ASHTABULA</a>	<a href="#">Voice Data Video</a>	<a href="#">3/6/2024</a>	<a href="#">6/6/2024</a>	<a href="#">Electrical Local 71 Voice Data Video Outside</a>
<a href="#">ASHTABULA</a>	<a href="#">Elevator</a>	<a href="#">4/10/2024</a>	<a href="#">4/10/2024</a>	<a href="#">Elevator Local 17</a>
<a href="#">ASHTABULA</a>	<a href="#">Glazier</a>	<a href="#">5/1/2023</a>	<a href="#">4/26/2023</a>	<a href="#">Glazier Local 181</a>
<a href="#">ASHTABULA</a>	<a href="#">Ironworker</a>	<a href="#">12/24/2020</a>	<a href="#">12/24/2020</a>	<a href="#">Ironworker Local 17</a>
<a href="#">ASHTABULA</a>	<a href="#">Laborer Group 1</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Labor HevHwy 2</a>
<a href="#">ASHTABULA</a>	<a href="#">Laborer</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Laborer Local 245</a>
<a href="#">ASHTABULA</a>	<a href="#">Operating Engineer</a>	<a href="#">5/1/2023</a>	<a href="#">4/26/2023</a>	<a href="#">Operating Engineers - Building Local 18 - Zone I (A)</a>
<a href="#">ASHTABULA</a>	<a href="#">Operating Engineer</a>	<a href="#">5/1/2023</a>	<a href="#">4/26/2023</a>	<a href="#">Operating Engineers - HevHwy Zone I</a>
<a href="#">ASHTABULA</a>	<a href="#">Drywall Finisher</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Painter Local 505</a>
<a href="#">ASHTABULA</a>	<a href="#">Painter</a>	<a href="#">6/10/2015</a>	<a href="#">6/10/2015</a>	<a href="#">Painter Local 639</a>
<a href="#">ASHTABULA</a>	<a href="#">Painter</a>	<a href="#">7/5/2023</a>	<a href="#">7/5/2023</a>	<a href="#">Painter Local 639 Zone 1 Sign</a>
<a href="#">ASHTABULA</a>	<a href="#">Painter</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Painter Local 707</a>
<a href="#">ASHTABULA</a>	<a href="#">Painter</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Painter Local 707 HvyHwy</a>
<a href="#">ASHTABULA</a>	<a href="#">Pipefitter</a>	<a href="#">8/30/2023</a>	<a href="#">8/30/2023</a>	<a href="#">Pipefitter Local 120</a>
<a href="#">ASHTABULA</a>	<a href="#">Pipefitter</a>	<a href="#">8/30/2023</a>	<a href="#">8/30/2023</a>	<a href="#">Pipefitter Local 120 Mechanical Equipment</a>
<a href="#">ASHTABULA</a>	<a href="#">Plaster</a>	<a href="#">5/31/2023</a>	<a href="#">5/31/2023</a>	<a href="#">Plasterer Local 526</a>
<a href="#">ASHTABULA</a>	<a href="#">Plumber</a>	<a href="#">5/17/2023</a>	<a href="#">5/17/2023</a>	<a href="#">Plumber Local 55</a>
<a href="#">ASHTABULA</a>	<a href="#">Roofer</a>	<a href="#">4/30/2023</a>	<a href="#">4/26/2023</a>	<a href="#">Roofer Local 44</a>
<a href="#">ASHTABULA</a>	<a href="#">Sheet Metal Worker</a>	<a href="#">8/2/2023</a>	<a href="#">8/2/2023</a>	<a href="#">Sheet Metal Local 33 Industrial Door</a>
<a href="#">ASHTABULA</a>	<a href="#">Sheet Metal Worker</a>	<a href="#">5/6/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Sheet Metal Local 33 (Cleveland)</a>
<a href="#">ASHTABULA</a>	<a href="#">Sprinkler Fitter</a>	<a href="#">4/6/2022</a>	<a href="#">4/6/2022</a>	<a href="#">Sprinkler Fitter Local 669</a>
<a href="#">ASHTABULA</a>	<a href="#">Truck Driver</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Truck Driver Bldg &amp; HevHwy Class 1 Locals 20.40.92.92b.100.175.284.438.377.637.908.957</a>
<a href="#">ASHTABULA</a>	<a href="#">Truck Driver</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Truck Driver Bldg &amp; HevHwy Class 2 Locals 20.40.92.92b.100.175.284.438.377.637.908.957</a>
<a href="#">ASHTABULA</a>	<a href="#">Truck Driver</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Truck Driver Bldg &amp; HevHwy Class 3 Locals 20.40.92.92b.100.175.284.438.377.637.908.957</a>
<a href="#">ASHTABULA</a>	<a href="#">Asbestos Worker</a>	<a href="#">8/23/2018</a>	<a href="#">8/23/2018</a>	<a href="#">Asbestos Local 207 OH</a>

<a href="#">ASHTABULA</a>	<a href="#">Asbestos Worker</a>	<a href="#">10/4/2023</a>	<a href="#">10/4/2023</a>	<a href="#">Asbestos Local 3 Heat &amp; Frost Insulators</a>
<a href="#">ASHTABULA</a>	<a href="#">Asbestos Worker</a>	<a href="#">10/4/2023</a>	<a href="#">10/4/2023</a>	<a href="#">Asbestos Local 84 Heat &amp; Frost Insulators</a>
<a href="#">ASHTABULA</a>	<a href="#">Cement Mason</a>	<a href="#">5/1/2024</a>	<a href="#">5/1/2024</a>	<a href="#">Cement Mason Statewide HevHwy</a>
<a href="#">ASHTABULA</a>	<a href="#">Electrical</a>	<a href="#">11/27/2023</a>	<a href="#">11/22/2023</a>	<a href="#">Electrical Local 573 Inside</a>
<a href="#">ASHTABULA</a>	<a href="#">Electrical</a>	<a href="#">1/31/2024</a>	<a href="#">1/31/2024</a>	<a href="#">Electrical Local 573 Lt Commercial</a>
<a href="#">ASHTABULA</a>	<a href="#">Voice Data Video</a>	<a href="#">9/6/2023</a>	<a href="#">9/6/2023</a>	<a href="#">Electrical Local 573 Voice Data Video</a>
<a href="#">ASHTABULA</a>	<a href="#">Electrical</a>	<a href="#">2/7/2024</a>	<a href="#">2/7/2024</a>	<a href="#">Electrical Local 673 Inside</a>
<a href="#">ASHTABULA</a>	<a href="#">Electrical</a>	<a href="#">6/7/2023</a>	<a href="#">6/7/2023</a>	<a href="#">Electrical Local 673 Inside Lt Commercial Northern</a>
<a href="#">ASHTABULA</a>	<a href="#">Voice Data Video</a>	<a href="#">6/14/2023</a>	<a href="#">6/14/2023</a>	<a href="#">Electrical Local 673 Voice Data Video</a>
<a href="#">ASHTABULA</a>	<a href="#">Ironworker</a>	<a href="#">6/1/2023</a>	<a href="#">5/31/2023</a>	<a href="#">Ironworker Local 207</a>

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# Prevailing Wage Rate Skilled Crafts

Name of Union: **Boilermaker Local 744**

Change # : **LCNO1-2019fbLoc744**

Craft : **Boilermaker** Effective Date : **04/03/2019** Last Posted : **04/03/2019**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Boilermaker	\$38.05		\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$67.76	\$86.78
Apprentice	Percent											
1st 6 months	70.02	\$26.64	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$56.35	\$69.67
2nd 6 months	72.52	\$27.59	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$57.30	\$71.10
3rd 6 months	75.00	\$28.54	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$58.25	\$72.52
4th 6 months	77.51	\$29.49	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$59.20	\$73.95
5th 6 months	80.00	\$30.44	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$60.15	\$75.37
6th 6 months	85.03	\$32.35	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$62.06	\$78.24
7th 6 months	90.00	\$34.25	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$63.96	\$81.08
8th 6 months	95.00	\$36.15	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$65.86	\$83.93
Helper	60.00	\$22.83	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$52.54	\$63.96

**Special Calculation Note :** Other is Supplemental Health

**Ratio :**

5 Journeymen to 1 Apprentice to 1 Helper

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CARROLL, COSHOCTON,  
CUYAHOGA, GEAUGA, HARRISON, HOLMES,  
LAKE, LORAIN, MAHONING, MEDINA,  
PORTAGE, STARK, SUMMIT, TRUMBULL,  
TUSCARAWAS, WAYNE

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 23 Heavy Hwy (A)

Change # : LCN01-2023ibLoc23HevHwyA

Craft : Bricklayer Effective Date : 06/07/2023 Last Posted : 06/07/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Cement Mason Bricklayer Sewer Water Works A	\$32.40		\$9.75	\$9.03	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$51.70	\$67.90
Apprentice	Percent											
1st year	70.00	\$22.68	\$9.75	\$9.03	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.98	\$53.32
2nd year	80.00	\$25.92	\$9.75	\$9.03	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.22	\$58.18
3rd year	90.00	\$29.16	\$9.75	\$9.03	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.46	\$63.04

**Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.**

## Ratio :

3 Journeymen to 1 Apprentice  
6 Journeymen to 2 Apprentice  
9 Journeymen to 3 Apprentice  
12 Journeymen to 4 Apprentice  
15 Journeymen to 5 Apprentice

## Jurisdiction ( \* denotes special jurisdictional note ) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE

**Special Jurisdictional Note :**

**Details :**

(A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work.

(B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 23 Heavy Hwy (B)

Change # : LCN01-2023ibLoc23HevHwyB

Craft : Bricklayer Effective Date : 06/07/2023 Last Posted : 06/07/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Cement Mason Bricklayer Power Plants Tunnels Amusement Parks B	\$33.39		\$9.75	\$9.03	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.70	\$69.39
<b>Apprentice</b>	<b>Percent</b>											
1st year	70.00	\$23.37	\$9.75	\$9.03	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.68	\$54.37
2nd year	80.00	\$26.71	\$9.75	\$9.03	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.02	\$59.38
3rd year	90.00	\$30.05	\$9.75	\$9.03	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.36	\$64.39

**Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.**

**Ratio :**

3 Journeymen to 1 Apprentice  
6 Journeymen to 2 Apprentice  
9 Journeymen to 2 Apprentice  
12 Journeymen to 4 Apprentice  
15 Journeymen to 5 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT,

TRUMBULL, TUSCARAWAS, UNION, VAN WERT,  
VINTON, WARREN, WASHINGTON, WAYNE

**Special Jurisdictional Note :**

**Details :**

(A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work.

(B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.



# Prevailing Wage Rate Skilled Crafts

**Name of Union: Bricklayer Local 23 (Cleveland Marble Finisher)**

**Change # : LCN01-2024ibLoc23ClevMarFin**

**Craft : Bricklayer Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Marble Finisher	\$30.52		\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$47.73	\$62.99
Apprentice Tile Marble Finishers	Percent											
1st 6 months	60.00	\$18.31	\$11.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.71	\$38.87
2nd 6 months	70.00	\$21.36	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.57	\$49.26
3rd 6 months	75.00	\$22.89	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.10	\$51.54
4th 6 months	80.00	\$24.42	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.63	\$53.83
5th 6 months	85.00	\$25.94	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.15	\$56.12
6th 6 months	90.00	\$27.47	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.68	\$58.41

**Special Calculation Note :** Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Note that the classification description is clarified after the local union number at the top of the page.

**Ratio :**

- 1-2 Journeymen to 1 Apprentice
- 3- 4 Journeymen to 2 Apprentice
- 5-6 Journeymen to 3 Apprentice
- 7-8 Journeymen to 4 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

- ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, SUMMIT

**Special Jurisdictional Note :**

**Details :**

Tile Finishers:do all the cleaning, acid washing,grouting,by any methods or means. Also unpacking of all tiles,opening of all mastic containers,mixing of all mortar,thin-set and epoxy materials,also the distribution of it. They shall handle and distribute all materials such as sand,cement,lime,tile,all types of tile panels,prefabricated tile

units, plastic materials and protective covering of all tile. Clean up and removal of always used in connection of said work.

**Terrazzo Finishers:**Assisting in grinding, and handling of material whether by hand or wheel barrow, or power buggies, including sand Portland cement, resinous cement and admixtures, aggregates of marble, stone or other compositions, bonding adhesives, sealers, waxes, and coatings used for Terrazzo Mosaic work, preparing, mixing by hand or machine, and distributing (spreading) all kinds of underbed or underlayment necessary and all scratch coat used for terrazzo and mosaic work. Also the rubbing, grinding, cleaning, sealing and polishing same either by hand or machine. will assist in the installation of the sand bed, tar paper, wire lath, divider strips, and rolling procedures and acid etching of all concrete floors that require it before installation. Shall handle all materials and assist in the installation of all types of terrazzo floors whether conventional or thin-set variety.

**Marble Finishers:**Loading and unloading handling and distributing of marble materials including the mixing of all materials used for the installation of marble, such as cement underbeds for the floors, thin-set or epoxies including but not limited to plastic materials. Clean up and removal of all waster material of said work. Cleaning and grouting of all marble and slate, and all polishing of marble and slate floors.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Bricklayer Local 23 (Cleveland Marble Mason)**

**Change # : LCN01-2024ibLoc23ClevMarMas**

**Craft : Bricklayer Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Horizontal Marble Mason	\$27.16		\$11.40	\$9.45	\$0.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.68	\$62.26
Masonry Maintenance Specialist	\$13.58		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13.58	\$20.37
Apprentice	Percent											
1st 6 Months	60.00	\$16.30	\$11.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.70	\$35.84
2nd 6 Months	65.00	\$17.65	\$11.40	\$1.60	\$0.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.32	\$40.15
3rd 6 Months	70.00	\$19.01	\$11.40	\$9.45	\$0.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.53	\$50.04
4th 6 Months	75.00	\$20.37	\$11.40	\$9.45	\$0.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.89	\$52.08
5th 6 Months	80.00	\$21.73	\$11.40	\$9.45	\$0.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.25	\$54.11
6th 6 Months	85.02	\$23.09	\$11.40	\$9.45	\$0.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.61	\$56.16
MASON TRAINEES												
1st 90 Days	45.00	\$12.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.22	\$18.33
1st year after 90 Days	45.00	\$12.22	\$11.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.62	\$29.73
2nd Year	50.00	\$13.58	\$11.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.98	\$31.77

**Special Calculation Note :** No special calculations for this skilled craft wage rate are required at this time.

Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

**Ratio :**

1-2 Journeyman to 1 Apprentice  
3-4 Journeyman to 2 Apprentices  
5-6 Journeyman to 2 Apprentices  
6-10 Journeyman to 3 Apprentices

1 Apprentice permits 1 Mason Trainee  
2 Apprentice permits 1 Mason Trainee  
3 Apprentice permits 2 Mason Trainee  
4 Apprentice permits 2 Mason Trainee

**Special Jurisdictional Note :****Details :**

In the mutual interest of both Employer and Union and to promote the masonry industry, it is agreed that the Employer may work with the Union and the Local Educational Partners in the jurisdiction of this agreement to employ School to work students provided that no conflicts exist with any Federal or State Laws. Employer must be party to a bonified Apprenticeship and Training program registered with the State of Ohio (OSAC). It is further agreed by both parties that the wages for the Masonry Maintenance Specialist shall be forty-five percent (45%) of the journeyman rate with no fringe benefits or as specified by the Local Educational Partner in the jurisdiction of the agreement.

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,  
LORAIN, MEDINA, PORTAGE, SUMMIT

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Bricklayer Local 23 (Cleveland Marble, Terrazzo, & Mosaic)**

**Change # : LCN01-2024ibLoc23ClevMarTerMos**

**Craft : Bricklayer Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Marble, Terrazzo, Mosaic	\$37.96		\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$59.59	\$78.57
Swing Scaffold Workers	\$38.96		\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$60.59	\$80.07
Stack	\$38.46		\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$60.09	\$79.32
Masonry Maintenance	\$17.08		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.08	\$25.62
Apprentice	Percent											
1st 6 months	60.00	\$22.78	\$11.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.18	\$45.56
2nd 6 months	65.00	\$24.67	\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.30	\$58.64
3rd 6 months	70.00	\$26.57	\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.20	\$61.49
4th 6 months	75.00	\$28.47	\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.10	\$64.33
5th 6 months	80.00	\$30.37	\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.00	\$67.18
6th 6 months	85.02	\$32.27	\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$53.90	\$70.04
7th 6 months	90.00	\$34.16	\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$55.79	\$72.88
8th 6 months	95.00	\$36.06	\$11.40	\$9.45	\$0.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$57.69	\$75.72
MASON TRAINEES 1st 90 Days	45.00	\$17.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.08	\$25.62
1st Year after 90 Days	45.00	\$17.08	\$11.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.48	\$37.02
2nd Year	50.00	\$18.98	\$11.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.38	\$39.87

**Special Calculation Note :** Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

**Ratio :**

1-2 Journeyman to 1 Apprentice  
3-4 Journeyman to 2 Apprentices  
5-6 Journeyman to 3 Apprentices  
7-10 Journeyman to 4 Apprentices

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, GEAUGA, LAKE, PORTAGE,  
SUMMIT

1 Apprentice permits 1 Mason Trainee  
2 Apprentice permits 1 Mason Trainee  
3 Apprentice permits 2 Mason Trainee  
4 Apprentice permits 2 Mason Trainee

**Special Jurisdictional Note :**

**Details :**

In the mutual interest of both Employer and Union and to promote the masonry industry, it is agreed that the Employer may work with the Union and the Local Educational Partners in the jurisdiction of this agreement to employ School to work students provided that no conflicts exist with any Federal or State Laws. Employer must be party to a bonified Apprenticeship and Training program registered with the State of Ohio (OSAC). It is further agreed by both parties that the wages for the Masonry Maintenance Specialist shall be forty-five percent (45%) of the journeyman rate with no fringe benefits or as specified by the Local Educational Partner in the jurisdiction of the agreement.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Bricklayer Local 23 (Cleveland Terrazzo Finisher)**

**Change # : LCN01-2024ibLoc23ClevTerFin**

**Craft : Bricklayer Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Terrazzo Finisher	\$30.52		\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$47.73	\$62.99
Apprentice Terrazzo Finishers	Percent											
1st 6 months	60.00	\$18.31	\$11.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.71	\$38.87
2nd 6 months	70.00	\$21.36	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.57	\$49.26
3rd 6 months	75.00	\$22.89	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.10	\$51.54
4th 6 months	80.00	\$24.42	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.63	\$53.83
5th 6 months	85.00	\$25.94	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.15	\$56.12
6th 6 months	90.00	\$27.47	\$11.40	\$5.15	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.68	\$58.41

**Special Calculation Note :** Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Note that the classification description is clarified after the local union number at the top of the page.

**Ratio :**

- 1-2 Journeymen to 1 Apprentice
- 3- 4 Journeymen to 2 Apprentices
- 5- 6 Journeymen to 3 Apprentices
- 7- 8 Journeymen to 4 Apprentices

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, SUMMIT

**Special Jurisdictional Note :**

**Details :**

Tile Finishers:do all the cleaning, acid washing,grouting,by any methods or means. Also unpacking of all tiles,opening of all mastic containers,mixing of all mortar,thin-set and epoxy materials,also the distribution of it. They shall handle and distribute all materials such as sand,cement,lime,tile,all types of tile panels,prefabricated tile units, plastic materials and protective covering of all tile.Clean up and removal of always used in connection of said work.

Terrazzo Finishers:Assisting in grinding, and handling of material whether by hand or wheel barrow, or power buggies, including sand Portland cement, resinous cement and admixtures, aggregates of marble, stone or other compositions, bonding adhesives, sealers, waxes, and coatings used for Terrazzo Mosaic work, preparing, mixing by hand or machine, and distributing (spreading) all kinds of underbed or underlayment necessary and all scratch coat used for terrazzo and mosaic work. Also the rubbing, grinding, cleaning, sealing and polishing same either by hand or machine. will assist in the installation of the sand bed, tar paper, wire lath, divider strips, and rolling procedures and acid etching of all concrete floors that require it before installation. Shall handle all materials and assist in the installation of all types of terrazzo floors whether conventional or thin-set variety.

Marble Finishers:Loading and unloading handling and distributing of marble materials including the mixing of all materials used for the installation of marble, such as cement underbeds for the floors, thin-set or epoxies including but not limited to plastic materials. Clean up and removal of all waster material of said work. Cleaning and grouting of all marble and slate, and all polishing of marble and slate floors.



# Prevailing Wage Rate Skilled Crafts

**Name of Union: Bricklayer Local 23 (Cleveland Zone 1 Tile Finisher)**

**Change # : LCN01-2024ibLoc23ClevZone1TF**

**Craft : Bricklayer Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
<b>Classification</b>												
Bricklayer Tile Finisher	\$31.50		\$9.20	\$1.35	\$0.68	\$0.00	\$5.00	\$0.00	\$0.00	\$0.00	\$47.73	\$63.48
<b>Apprentice Tile Finishers</b>												
	<b>Percent</b>											
1st 6 months	60.00	\$18.90	\$9.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.10	\$37.55
2nd 6 months	70.00	\$22.05	\$9.20	\$1.35	\$0.68	\$0.00	\$5.00	\$0.00	\$0.00	\$0.00	\$38.28	\$49.30
3rd 6 months	75.00	\$23.62	\$9.20	\$1.35	\$0.68	\$0.00	\$5.00	\$0.00	\$0.00	\$0.00	\$39.86	\$51.67
4th 6 months	80.00	\$25.20	\$9.20	\$1.35	\$0.68	\$0.00	\$5.00	\$0.00	\$0.00	\$0.00	\$41.43	\$54.03
5th 6 months	85.02	\$26.78	\$9.20	\$1.35	\$0.68	\$0.00	\$5.00	\$0.00	\$0.00	\$0.00	\$43.01	\$56.40
6th 6 months	90.00	\$28.35	\$9.20	\$1.35	\$0.68	\$0.00	\$5.00	\$0.00	\$0.00	\$0.00	\$44.58	\$58.76

**Special Calculation Note :**

**Ratio :**

1-4 Journeymen to 1 Apprentice  
 5-10 Journeymen to 2 Apprentice  
 11-16 Journeymen to 3 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ):**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,  
 LORAIN, MEDINA

**Special Jurisdictional Note :**

**Details :**

Tile Finishers:do all the cleaning, acid washing,grouting,by any methods or means. Also unpacking of all tiles,opening of all mastic containers,mixing of all mortar,thin-set and epoxy materials,also the distribution of it. They shall handle and distribute all materials such as sand,cement,lime,tile,all types of tile panels,prefabricated tile units, plastic materials and protective covering of all tile.Clean up and removal of always used in connection of said work.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Bricklayer Local 23 (Cleveland Zone 1 Tile Layer)**

**Change # : LCN01-2024ibLoc23ClevZone1TL**

**Craft : Bricklayer Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Tile Layer	\$36.07		\$9.20	\$2.43	\$0.76	\$0.00	\$7.10	\$0.00	\$0.00	\$0.00	\$55.56	\$73.60
Apprentice	Percent											
1st 30 days	60.00	\$21.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.64	\$32.46
1st 6 months	60.00	\$21.64	\$9.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.84	\$41.66
2nd 6 months	65.00	\$23.45	\$9.20	\$2.43	\$0.76	\$0.00	\$7.10	\$0.00	\$0.00	\$0.00	\$42.94	\$54.66
3rd 6 months	70.00	\$25.25	\$9.20	\$2.43	\$0.76	\$0.00	\$7.10	\$0.00	\$0.00	\$0.00	\$44.74	\$57.36
4th 6 months	75.00	\$27.05	\$9.20	\$2.43	\$0.76	\$0.00	\$7.10	\$0.00	\$0.00	\$0.00	\$46.54	\$60.07
5th 6 months	80.00	\$28.86	\$9.20	\$2.43	\$0.76	\$0.00	\$7.10	\$0.00	\$0.00	\$0.00	\$48.35	\$62.77
6th 6 months	85.00	\$30.66	\$9.20	\$2.43	\$0.76	\$0.00	\$7.10	\$0.00	\$0.00	\$0.00	\$50.15	\$65.48
7th 6 months	90.00	\$32.46	\$9.20	\$2.43	\$0.76	\$0.00	\$7.10	\$0.00	\$0.00	\$0.00	\$51.95	\$68.18
8th 6 months	95.00	\$34.27	\$9.20	\$2.43	\$0.76	\$0.00	\$7.10	\$0.00	\$0.00	\$0.00	\$53.76	\$70.89

**Special Calculation Note :** Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Note that the classification description is clarified after the local union number at the top of the page.

**Ratio :**

1-4 Journeymen to 1 Apprentice  
 5-10 Journeymen to 2 Apprentice  
 11-16 Journeymen to 3 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, MEDINA

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: **Bricklayer Local 23 (Mentor)**

**Change # : LCN01-2024ibLoc23Ment**

**Craft : Bricklayer Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Bricklayer	\$38.01		\$9.46	\$8.39	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$58.65	\$77.65
Cement & Stone Masons	\$38.01		\$9.46	\$8.39	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$58.65	\$77.65
Pointer Caulker Cleaner	\$38.01		\$9.46	\$8.39	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$58.65	\$77.65
Plasterers	\$38.01		\$9.46	\$8.39	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$58.65	\$77.65
Mason Trainees												
1-90 Days	\$17.10		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.10	\$25.65
91-365 Days	\$17.10		\$9.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.56	\$35.11
366 plus days	\$19.01		\$9.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.47	\$37.98
<b>Apprentice</b>	<b>Percent</b>											
1st 6 months	60.00	\$22.81	\$9.46	\$2.30	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$37.36	\$48.76
2nd 6 months	65.00	\$24.71	\$9.46	\$2.30	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$39.26	\$51.61
3rd 6 months	70.00	\$26.61	\$9.46	\$2.30	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$41.16	\$54.46
4th 6 months	75.00	\$28.51	\$9.46	\$2.30	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$43.06	\$57.31
5th 6 months	80.00	\$30.41	\$9.46	\$2.30	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$44.96	\$60.16
6th 6 months	85.00	\$32.31	\$9.46	\$2.30	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$46.86	\$63.01
7th 6 months	90.00	\$34.21	\$9.46	\$2.30	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$48.76	\$65.86
8th 6 months	95.00	\$36.11	\$9.46	\$2.30	\$0.79	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$50.66	\$68.71

**Special Calculation Note :** Improver Classification is 50% to 80% of the journeyman rate with full fringes except pension is at (\$1.00)Until such time as the joint apprentice board determines he is a qualified Journeyman, this should not exceed the Apprentice training period.Improvers may not constitute more than 20% of the work force

**Ratio :**

- 1-3 Journeymen to 1 Apprentice
- 4-6 Journeymen to 2 Apprentice
- 7-9 Journeymen to 3 Apprentice
- 10-12 Journeymen to 4 Apprentice

- 1 Apprentice permits 1 Mason Trainee
- 2 Apprentice permits 1 Mason Trainee
- 3 Apprentice permits 2 Mason Trainee
- 4 Apprentice permits 2 Mason Trainee

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, GEAUGA, LAKE

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Commercial Zone NEO 1A

Change # : LCN01-2023ibLocNEZone1A

Craft : Carpenter Effective Date : 08/30/2023 Last Posted : 08/30/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter	\$36.07		\$7.88	\$10.98	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$59.07	\$77.10
Apprentice	Percent											
1st 3 months	60.00	\$21.64	\$7.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.52	\$40.34
2nd 3 months	60.00	\$21.64	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$33.66	\$44.48
2nd 6 months	65.00	\$23.45	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$35.47	\$47.19
3rd 6 months	70.00	\$25.25	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$37.27	\$49.89
4th 6 months	75.00	\$27.05	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$39.07	\$52.60
5th 6 months	80.00	\$28.86	\$7.88	\$8.78	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$49.66	\$64.08
6th 6 months	85.00	\$30.66	\$7.88	\$9.33	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$52.01	\$67.34
7th 6 months	90.00	\$32.46	\$7.88	\$9.88	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$54.36	\$70.59
8th 6 months	95.00	\$34.27	\$7.88	\$10.43	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$56.72	\$73.85

Special Calculation Note : \*Other is International Training

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction ( \* denotes special jurisdictional note ) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE

Special Jurisdictional Note :

Details :

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Carpenter Floorlayer Zone NEO 1A**

**Change # : LCN01-2023ibLocNEZone1A**

**Craft : Carpenter Effective Date : 08/30/2023 Last Posted : 08/30/2023**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter Floorlayer	\$36.07		\$7.88	\$10.98	\$0.60	\$0.00	\$3.41	\$0.15	\$0.00	\$0.00	\$59.09	\$77.12
Apprentice	Percent											
1st 3 months	60.00	\$21.64	\$7.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.52	\$40.34
2nd 3 months	60.00	\$21.64	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.15	\$0.00	\$0.00	\$33.68	\$44.50
2nd 6 months	65.00	\$23.45	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.15	\$0.00	\$0.00	\$35.49	\$47.21
3rd 6 months	70.00	\$25.25	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.15	\$0.00	\$0.00	\$37.29	\$49.91
4th 6 months	75.00	\$27.05	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.15	\$0.00	\$0.00	\$39.09	\$52.62
5th 6 months	80.00	\$28.86	\$7.88	\$8.78	\$0.60	\$0.00	\$3.41	\$0.15	\$0.00	\$0.00	\$49.68	\$64.10
6th 6 months	85.00	\$30.66	\$7.88	\$9.33	\$0.60	\$0.00	\$3.41	\$0.15	\$0.00	\$0.00	\$52.03	\$67.36
7th 6 months	90.00	\$32.46	\$7.88	\$9.88	\$0.60	\$0.00	\$3.41	\$0.15	\$0.00	\$0.00	\$54.38	\$70.61
8th 6 months	95.00	\$34.27	\$7.88	\$10.43	\$0.60	\$0.00	\$3.41	\$0.15	\$0.00	\$0.00	\$56.74	\$73.87

**Special Calculation Note :** \*Other is International Training

**Ratio :**

1 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Hev Hwy Zone NHH C1-B

Change # : LCN01-2023ibLocNEZoneNHH C1-B

Craft : Carpenter Effective Date : 08/30/2023 Last Posted : 08/30/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter	\$36.07		\$7.88	\$10.98	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$59.07	\$77.10
Apprentice	Percent											
1st 3 Months	60.00	\$21.64	\$7.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.52	\$40.34
2nd 3 Months	60.00	\$21.64	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$33.66	\$44.48
2nd 6 Months	65.00	\$23.45	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$35.47	\$47.19
3rd 6 Months	70.00	\$25.25	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$37.27	\$49.89
4th 6 Months	75.00	\$27.05	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$39.07	\$52.60
5th 6 Months	80.00	\$28.86	\$7.88	\$8.78	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$49.66	\$64.08
6th 6 Months	85.00	\$30.66	\$7.88	\$9.33	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$52.01	\$67.34
7th 6 Months	90.00	\$32.46	\$7.88	\$9.88	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$54.36	\$70.59
8th 6 Months	95.00	\$34.27	\$7.88	\$10.43	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$56.72	\$73.85

Special Calculation Note : Other: Training

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction ( \* denotes special jurisdictional note ) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE

Special Jurisdictional Note :

Details :

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Carpenter Insulation Zone NEO 1A**

**Change # : LCN01-2023ibLocNEZone1A**

**Craft : Carpenter Effective Date : 09/13/2023 Last Posted : 09/13/2023**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Carpenter Insulation	\$28.86		\$7.88	\$10.98	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$51.86	\$66.29
<b>Apprentice</b>	<b>Percent</b>											
1st 3 months	60.00	\$17.32	\$7.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.20	\$33.85
2nd 3 months	60.00	\$17.32	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$29.34	\$37.99
2nd 6 months	65.00	\$18.76	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$30.78	\$40.16
3rd 6 months	70.00	\$20.20	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$32.22	\$42.32
4th 6 months	75.02	\$21.65	\$7.88	\$0.00	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$33.67	\$44.50
5th 6 months	80.00	\$23.09	\$7.88	\$8.78	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$43.89	\$55.43
6th 6 months	85.00	\$24.53	\$7.88	\$9.33	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$45.88	\$58.15
7th 6 months	90.00	\$25.97	\$7.88	\$9.88	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$47.87	\$60.86
8th 6 month	95.00	\$27.42	\$7.88	\$10.43	\$0.60	\$0.00	\$3.41	\$0.13	\$0.00	\$0.00	\$49.87	\$63.58

**Special Calculation Note :** \*Other is Training

**Ratio :**

1 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE

**Special Jurisdictional Note :**

**Details :**



# Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Millwright NE Zone M1-A

Change # : LCN01-2023ibLocNEZoneM1-A

Craft : Carpenter Effective Date : 08/30/2023 Last Posted : 08/30/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
<b>Classification</b>												
Carpenter Millwright	\$33.69		\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$59.21	\$76.06
Certified Welder	\$34.69		\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$60.21	\$77.56
Layout man on Monorail	\$36.22		\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$61.74	\$79.85
<b>Apprentice</b>	<b>Percent</b>											
1st 6 months	60.00	\$20.21	\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$45.73	\$55.84
2nd 6 months	65.00	\$21.90	\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$47.42	\$58.37
3rd 6 months	70.00	\$23.58	\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$49.10	\$60.89
4th 6 months	75.00	\$25.27	\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$50.79	\$63.42
5th 6 months	80.00	\$26.95	\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$52.47	\$65.95
6th 6 months	85.00	\$28.64	\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$54.16	\$68.47
7th 6 months	90.00	\$30.32	\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$55.84	\$71.00
8th 6 months	95.00	\$32.01	\$7.99	\$11.33	\$0.60	\$0.00	\$5.42	\$0.18	\$0.00	\$0.00	\$57.53	\$73.53

**Special Calculation Note :** Other is Training.

**Ratio :**

1 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEauga, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND, SUMMIT

**Special Jurisdictional Note :**

**Details :**

The term “Millwright and Machine Erectors” jurisdiction shall mean the unloading, hoisting, rigging, skidding, moving, dismantling, aligning, erecting, assembling, repairing, maintenance and adjusting of all structures, processing areas either under cover, under ground or elsewhere, required to process material, handle, manufacture or service, be it powered or receiving power manually, by steam, gas, electricity, gasoline, diesel, nuclear, solar, water, air or chemically, and in industries such as and including, which are identified for the purpose of description, but not limited to, the following: woodworking plants; canning industries; steel mills; coffee roasting plants; paper and pulp; cellophane; stone crushing; gravel and sand washing and handling; refineries; grain storage and handling; asphalt plants; sewage disposal; water plants; laundries; bakeries; mixing plants; can, bottle and bag packing plants; textile mills; paint mills; breweries; milk processing plants; power plants; aluminum processing or manufacturing plants; and amusement and entertainment fields. The installation of mechanical equipment in atomic energy plants; installation of reactors in power plants; installation of control rods and equipment in reactors; and installation of mechanical equipment in rocket missile bases, launchers, launching gantry, floating bases, hydraulic escape doors and any and all component parts thereto, either assembled, semi-assembled or disassembled. The installation of, but not limited to, the following: setting-up of all engines, motors, generators, air compressors, fans, pumps, scales, hoppers, conveyors of all types, sizes and their supports; escalators; man lifts; moving sidewalks; hoists; dumb waiters; all types of feeding machinery; amusement devices; mechanical pin setters and spotters in bowling alleys; refrigeration equipment; and the installation of all types of equipment necessary and required to process material either in the manufacturing or servicing. The handling and installation of pulleys, gears, sheaves, fly wheels, air and vacuum drives, worm drives and gear drives directly or indirectly coupled to motors, belts, chains, screws, legs, boots, guards, booth tanks, all bin valves, turn heads and indicators, shafting, bearings, cable sprockets, cutting all key seats in new and old work, troughs, chippers, filters, calendars, rolls, winders, rewinders, slitters, cutters, wrapping machines, blowers, forging machines, rams, hydraulic or otherwise, planing, extruder, ball, dust collectors, equipment in meat packing plants, splicing of ropes and cables. The laying-out, fabrication and installation of protection equipment including machinery guards, making and setting of templates for machinery, fabrication of bolts, nuts, pans, drilling of holes for any equipment which the Millwrights install regardless of materials; all welding and burning regardless of type, fabrication of all lines, hose or tubing used in lubricating machinery installed by Millwrights; grinding, cleaning, servicing and any machine work necessary for any part of any equipment installed by the Millwrights; and the break-in and trial run of any equipment or machinery installed by the Millwrights. It is agreed the Millwrights shall use the layout tools and optic equipment necessary to perform their work.

# Prevailing Wage Rate

## Skilled Crafts

Name of Union: Carpenter NE District Industrial Dock & Door

Change # : LCN01-2014fbCarpNEStatewide

Craft : Carpenter Effective Date : 03/05/2014 Last Posted : 03/05/2014

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
<b>Classification</b>											
Carpenter	\$19.70	\$5.05	\$1.00	\$0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.90	\$35.75
<b>Trainee</b>	<b>Percent</b>										
1st Year	60.00	\$11.82	\$5.05	\$1.00	\$0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$18.02	\$23.93
2nd Year	80.20	\$15.80	\$5.05	\$1.00	\$0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$22.00	\$29.90

**Special Calculation Note :** No special calculations for this skilled craft wage rate are required at this time.

### Ratio :

1 Journeymen to 1 Trainee

### Jurisdiction ( \* denotes special jurisdictional note ) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

**Special Jurisdictional Note :** Industrial Dock and Door is the installation of overhead doors, roll up doors and dock leveling equipment

### Details :

10/27/10 New Contract jc

# Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Pile Driver Hev Hwy Zone NHH P2-B

Change # : LCN01-2023ibLocNEZoneP2-B

Craft : Carpenter Effective Date : 08/30/2023 Last Posted : 08/30/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Carpenter Pile Driver	\$33.97		\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$59.21	\$76.20
Diver	\$50.96		\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$76.20	\$101.68
Certified Welder	\$35.02		\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$60.26	\$77.77
<b>Apprentice</b>	<b>Percent</b>											
1st 6 months	60.00	\$20.38	\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$45.62	\$55.81
2nd 6 months	65.00	\$22.08	\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$47.32	\$58.36
3rd 6 months	70.00	\$23.78	\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$49.02	\$60.91
4th 6 months	75.00	\$25.48	\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$50.72	\$63.46
5th 6 months	80.00	\$27.18	\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$52.42	\$66.00
6th 6 months	85.00	\$28.87	\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$54.11	\$68.55
7th 6 months	90.00	\$30.57	\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$55.81	\$71.10
8th 6 months	95.00	\$32.27	\$7.93	\$11.33	\$0.60	\$0.00	\$5.20	\$0.18	\$0.00	\$0.00	\$57.51	\$73.65

**Special Calculation Note :** \*Other is Training

**Ratio :**

1 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEauga, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND, SUMMIT

**Special Jurisdictional Note :**

**Details :**

Pile Drivers duties shall include but not limited to: Pile driving, milling, fashioning, joining assembling, erecting, fastening, or dismantling of all material of wood, plastic, metal, fiber, cork and composition and all other substitute materials: pile driving, cutting, fitting and placing of lagging, and the handling, cleaning, erecting, installing and dismantling of machinery, equipment and erecting pre-engineered metal buildings. Pile Drivers work but not limited to: unloading, assembling, erection, repairs, operation, signaling, dismantling and reloading all equipment that is used for pile driving including pile butts is defined as sheeting or scrap piling. Underwater work that may be required in connection with the installation of piling. The driver and his tender work as a team and shall arrive at their own financial arrangements with the contractor. Any configuration of wood, steel, concrete or composite that is jettied, driven or vibrated onto the ground by conventional pile driving equipment for the purpose of supporting a future load that may be permanent or temporary. The construction of all wharves and docks, including the fabrication and installation of floating docks. Driving bracing, plumbing, cutting off and capping of all piling whether wood, metal, pipe piling or composite, loading, unloading, erecting, framing, dismantling, moving and handling of pile driving equipment piling used in the construction and repair of all wharves, docks, piers, trestles, caissons, cofferdams and erection of all sea walls and breakwaters. All underwater and marine work on bulkheads, wharves, docks, shipyards, caissons, piers, bridges, pipeline, work, viaducts, marine cable and trestles, as well as salvage and reclamation work where divers are employed. Rate shall include carpenters, acoustic and ceiling installers, drywall installers, pile drivers and floorlayers.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Local 404

**Change # : LCN01-2024ibLoc404**

**Craft : Cement Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Cement Mason	\$34.88		\$9.40	\$7.10	\$0.63	\$0.00	\$5.95	\$0.08	\$0.00	\$0.00	\$58.04	\$75.48
Apprentice	Percent											
1st yr	58.51	\$20.41	\$9.40	\$7.10	\$0.63	\$0.00	\$2.98	\$0.08	\$0.00	\$0.00	\$40.60	\$50.80
2nd yr	73.50	\$25.64	\$9.40	\$7.10	\$0.63	\$0.00	\$2.98	\$0.08	\$0.00	\$0.00	\$45.83	\$58.65
3rd yr	83.51	\$29.13	\$9.40	\$7.10	\$0.63	\$0.00	\$2.98	\$0.08	\$0.00	\$0.00	\$49.32	\$63.88
4th yr	98.50	\$34.36	\$9.40	\$7.10	\$0.63	\$0.00	\$2.98	\$0.08	\$0.00	\$0.00	\$54.55	\$71.73

**Special Calculation Note :** Other is Training Fund

**Ratio :**

5 Journeymen to 1 Apprentice  
2 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide HevHwy Exhibit B District I

Change # : LCN01-2023ibCementHevHwy

Craft : Cement Mason Effective Date : 05/01/2023 Last Posted : 04/26/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
<b>Classification</b>												
Cement Mason	\$34.74		\$8.50	\$7.55	\$0.65	\$0.00	\$2.25	\$0.07	\$0.00	\$0.00	\$53.76	\$71.13
<b>Apprentice</b>	<b>Percent</b>											
1st Year	70.00	\$24.32	\$8.50	\$7.55	\$0.65	\$0.00	\$2.25	\$0.07	\$0.00	\$0.00	\$43.34	\$55.50
2nd Year	80.00	\$27.79	\$8.50	\$7.55	\$0.65	\$0.00	\$2.25	\$0.07	\$0.00	\$0.00	\$46.81	\$60.71
3rd Year	90.00	\$31.27	\$8.50	\$7.55	\$0.65	\$0.00	\$2.25	\$0.07	\$0.00	\$0.00	\$50.29	\$65.92

**Special Calculation Note :** Other \$0.07 is for International Training Fund

## Ratio :

1 Journeymen to 1 Apprentice  
2 to 1 thereafter

## Jurisdiction ( \* denotes special jurisdictional note ) :

ASHTABULA, CUYAHOGA, FULTON, GEAUGA,  
HANCOCK, HENRY, LAKE, LUCAS, PUTNAM,  
WOOD

**Special Jurisdictional Note :** (B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work, Pollution Control, Sewer Plant, Waste Plant & Water Treatment Facilities, Construction

## Details :

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 673 Lightning Rod**

**Change # : OCR01-2022sksLoc673**

**Craft : Electrical Effective Date : 11/10/2022 Last Posted : 11/10/2022**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrical Lightning Protection	\$30.44		\$7.50	\$0.91	\$0.00	\$2.84	\$1.83	\$0.00	\$0.00	\$0.00	\$43.52	\$58.74
Experience Level	Percent											
Lightning Protection Installer 1st day-6 months	50.00	\$15.22	\$7.50	\$0.46	\$0.00	\$0.41	\$0.92	\$0.00	\$0.00	\$0.00	\$24.51	\$32.12
Lightning Protection Installer 2nd 6 months	55.00	\$16.74	\$7.50	\$0.50	\$0.00	\$0.45	\$1.01	\$0.00	\$0.00	\$0.00	\$26.20	\$34.57
Lightning Protection Installer 3rd 6th months	60.00	\$18.26	\$7.50	\$0.55	\$0.00	\$0.89	\$1.10	\$0.00	\$0.00	\$0.00	\$28.30	\$37.44
Lightning Protection Installer 4th 6 months	65.00	\$19.79	\$7.50	\$0.59	\$0.00	\$0.97	\$1.19	\$0.00	\$0.00	\$0.00	\$30.04	\$39.93
Lightning Protection Installer 3rd Year	70.00	\$21.31	\$7.50	\$0.64	\$0.00	\$1.52	\$1.28	\$0.00	\$0.00	\$0.00	\$32.25	\$42.90
Lightning Protection Installer 4th Year	80.00	\$24.35	\$7.50	\$0.73	\$0.00	\$1.73	\$1.46	\$0.00	\$0.00	\$0.00	\$35.77	\$47.95
Lightning Protection Installer 5th Year	90.00	\$27.40	\$7.50	\$0.82	\$0.00	\$1.95	\$1.65	\$0.00	\$0.00	\$0.00	\$39.32	\$53.01



**Special Calculation Note :**

**Ratio :**

1- 3 Journeyman to 2 Trainee  
4-6 Journeyman to 4 Trainee  
7-9 Journeyman to 6 Trainee

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, GEAUGA, LAKE

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 71 Cleveland Commercial Projects**

**Change # : LCN1-2024ibLoc71Clev**

**Craft : Lineman Effective Date : 02/07/2024 Last Posted : 02/07/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrical Lineman	\$57.10		\$7.25	\$1.71	\$0.57	\$0.00	\$13.70	\$0.45	\$0.00	\$0.00	\$80.78	\$109.33
Cable Splicer	\$57.10		\$7.25	\$1.71	\$0.57	\$0.00	\$13.70	\$0.45	\$0.00	\$0.00	\$80.78	\$109.33
Equip. Operator	\$51.39		\$7.25	\$1.54	\$0.51	\$0.00	\$12.33	\$0.45	\$0.00	\$0.00	\$73.47	\$99.17
Groundman 0 to 12 months	\$34.26		\$7.25	\$1.03	\$0.34	\$0.00	\$8.22	\$0.45	\$0.00	\$0.00	\$51.55	\$68.68
Groundman 1 year plus	\$39.97		\$7.25	\$1.20	\$0.40	\$0.00	\$9.59	\$0.45	\$0.00	\$0.00	\$58.86	\$78.85
Apprentice Linemen	Percent											
1st 1000 Hrs	60.00	\$34.26	\$7.25	\$1.03	\$0.34	\$0.00	\$8.22	\$0.45	\$0.00	\$0.00	\$51.55	\$68.68
2nd 1000 Hrs	65.00	\$37.12	\$7.25	\$1.11	\$0.37	\$0.00	\$8.91	\$0.45	\$0.00	\$0.00	\$55.21	\$73.76
3rd 1000 Hrs	70.00	\$39.97	\$7.25	\$1.20	\$0.40	\$0.00	\$9.59	\$0.45	\$0.00	\$0.00	\$58.86	\$78.85
4th 1000 Hrs	75.00	\$42.83	\$7.25	\$1.28	\$0.43	\$0.00	\$10.28	\$0.45	\$0.00	\$0.00	\$62.52	\$83.93
5th 1000 Hrs	80.00	\$45.68	\$7.25	\$1.37	\$0.46	\$0.00	\$10.96	\$0.45	\$0.00	\$0.00	\$66.17	\$89.01
6th 1000 Hrs	85.00	\$48.53	\$7.25	\$1.46	\$0.49	\$0.00	\$11.65	\$0.45	\$0.00	\$0.00	\$69.84	\$94.10
7th 1000 Hrs	90.00	\$51.39	\$7.25	\$1.54	\$0.51	\$0.00	\$12.33	\$0.45	\$0.00	\$0.00	\$73.47	\$99.17

**Special Calculation Note : Other is Health Reimbursement Account**

**Ratio :**

1 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN

**Special Jurisdictional Note :****Details :**

A groundman when directed shall assist a Journeymen in the performance of his/her work on the ground, including the use of hand tools. Under no circumstances shall this classification climb poles, towers, ladders, or work from an elevated platform or bucket truck. This classification shall not perform work normally assigned to an apprentice lineman. There shall be no more than one (1) Groundman for each two (2) Journeyman except when performing DOT Traffic Signal or Highway lighting work where the ratio can be two (2) Groundman for each Journeyman or Operator.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 71 Cleveland Municipal Power & Transit**

**Change # : LCN01-2024ibLoc71Clev**

**Craft : Lineman Effective Date : 02/07/2024 Last Posted : 02/07/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrical Lineman	\$53.18		\$7.25	\$1.60	\$0.53	\$0.00	\$12.23	\$0.40	\$0.00	\$0.00	\$75.19	\$101.78
Cable Splicer	\$53.18		\$7.25	\$1.60	\$0.53	\$0.00	\$12.23	\$0.40	\$0.00	\$0.00	\$75.19	\$101.78
Equip. Operator	\$47.86		\$7.25	\$1.44	\$0.48	\$0.00	\$11.01	\$0.40	\$0.00	\$0.00	\$68.44	\$92.37
Groundman 0 to 12 months	\$31.91		\$7.25	\$0.96	\$0.32	\$0.00	\$7.34	\$0.40	\$0.00	\$0.00	\$48.18	\$64.14
Groundman 1 Year or More	\$37.23		\$7.25	\$1.12	\$0.37	\$0.00	\$8.56	\$0.40	\$0.00	\$0.00	\$54.93	\$73.55
Apprentice Linemen	Percent											
1st 1000 Hrs	60.00	\$31.91	\$7.25	\$0.96	\$0.32	\$0.00	\$7.34	\$0.40	\$0.00	\$0.00	\$48.18	\$64.13
2nd 1000 Hrs	65.00	\$34.57	\$7.25	\$1.04	\$0.35	\$0.00	\$7.95	\$0.40	\$0.00	\$0.00	\$51.56	\$68.84
3rd 1000 Hrs	70.00	\$37.23	\$7.25	\$1.12	\$0.37	\$0.00	\$8.56	\$0.40	\$0.00	\$0.00	\$54.93	\$73.54
4th 1000 Hrs	75.00	\$39.89	\$7.25	\$1.20	\$0.40	\$0.00	\$9.17	\$0.40	\$0.00	\$0.00	\$58.31	\$78.25
5th 1000 Hrs	80.00	\$42.54	\$7.25	\$1.28	\$0.43	\$0.00	\$9.78	\$0.40	\$0.00	\$0.00	\$61.68	\$82.96
6th 1000 Hrs	85.00	\$45.20	\$7.25	\$1.36	\$0.45	\$0.00	\$10.40	\$0.40	\$0.00	\$0.00	\$65.06	\$87.66
7th 1000 Hrs	90.00	\$47.86	\$7.25	\$1.44	\$0.48	\$0.00	\$11.01	\$0.40	\$0.00	\$0.00	\$68.44	\$92.37

**Special Calculation Note : Other is Health Reimbursement Account**

**Ratio :**

1 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN

**Special Jurisdictional Note :****Details :**

A groundman when directed shall assist a Journeymen in the performance of his/her work on the ground, including the use of hand tools. Under no circumstances shall this classification climb poles, towers, ladders, or work from an elevated platform or bucket truck. This classification shall not perform work normally assigned to an apprentice lineman. There shall be no more than one (1) Groundman for each two (2) Journeyman except when performing DOT Traffic Signal or Highway lighting work where the ratio can be two (2) Groundman for each Journeyman or Operator.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 71 DOT Traffic Signal Highway Lighting Cleveland**

**Change # : LCN01-2024ibLoc71DOTClev**

**Craft : Lineman Effective Date : 02/07/2024 Last Posted : 02/07/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrical Lineman	\$42.20		\$7.25	\$1.27	\$0.42	\$0.00	\$9.28	\$0.50	\$0.00	\$0.00	\$60.92	\$82.02
Traffic Signal & Lighting Journeyman	\$42.20		\$7.25	\$1.27	\$0.42	\$0.00	\$9.28	\$0.50	\$0.00	\$0.00	\$60.92	\$82.02
Equipment Operator	\$38.43		\$7.25	\$1.15	\$0.38	\$0.00	\$8.45	\$0.50	\$0.00	\$0.00	\$56.16	\$75.37
Groundman 0 to 1 Year	\$25.63		\$7.25	\$0.77	\$0.26	\$0.00	\$5.64	\$0.50	\$0.00	\$0.00	\$40.05	\$52.87
Groundman 1 Year or more	\$29.90		\$7.25	\$0.90	\$0.30	\$0.00	\$6.58	\$0.50	\$0.00	\$0.00	\$45.43	\$60.38
Traffic Apprentice	Percent											
1st 1,000 Hours	60.00	\$25.32	\$7.25	\$0.76	\$0.25	\$0.00	\$5.57	\$0.50	\$0.00	\$0.00	\$39.65	\$52.31
2nd 1,000 Hours	65.00	\$27.43	\$7.25	\$0.82	\$0.27	\$0.00	\$6.03	\$0.50	\$0.00	\$0.00	\$42.30	\$56.02
3rd 1,000 Hours	70.00	\$29.54	\$7.25	\$0.89	\$0.30	\$0.00	\$6.50	\$0.50	\$0.00	\$0.00	\$44.98	\$59.75
4th 1,000 Hours	75.00	\$31.65	\$7.25	\$0.95	\$0.32	\$0.00	\$6.96	\$0.50	\$0.00	\$0.00	\$47.63	\$63.46
5th 1,000 Hours	80.00	\$33.76	\$7.25	\$1.01	\$0.34	\$0.00	\$7.43	\$0.50	\$0.00	\$0.00	\$50.29	\$67.17
6th 1,000 Hours	90.00	\$37.98	\$7.25	\$1.14	\$0.38	\$0.00	\$8.36	\$0.50	\$0.00	\$0.00	\$55.61	\$74.60

**Special Calculation Note : Other: Health Reimbustment Fund**

**Ratio :**

1 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN

**Special Jurisdictional Note :****Details :**

A groundman when directed shall assist a Journeymen in the performance of his/her work on the ground, including the use of hand tools. Under no circumstances shall this classification climb poles, towers, ladders, or work from an elevated platform or bucket truck. This classification shall not perform work normally assigned to an apprentice lineman. There shall be no more than one (1) Groundman for each two (2) Journeyman except when performing DOT Traffic Signal or Highway lighting work where the ratio can be two (2) Groundman for each Journeyman or Operator.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 71 High Tension Pipe Type Cable**

**Change # : LCN01-2024ibLoc71HighTension**

**Craft : Lineman Effective Date : 02/07/2024 Last Posted : 02/07/2024**

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lineman	\$50.66	\$7.25	\$1.52	\$0.51	\$0.00	\$12.16	\$0.75	\$0.00	\$0.00	\$72.85	\$98.18
Certified Lineman Welder	\$50.66	\$7.25	\$1.52	\$0.51	\$0.00	\$12.16	\$0.75	\$0.00	\$0.00	\$72.85	\$98.18
Certified Cable Splicer	\$50.66	\$7.25	\$1.52	\$0.51	\$0.00	\$12.16	\$0.75	\$0.00	\$0.00	\$72.85	\$98.18
Operator A	\$45.39	\$7.25	\$1.36	\$0.45	\$0.00	\$10.89	\$0.75	\$0.00	\$0.00	\$66.09	\$88.79
Operator B	\$40.18	\$7.25	\$1.21	\$0.40	\$0.00	\$9.64	\$0.75	\$0.00	\$0.00	\$59.43	\$79.52
Operator C	\$32.29	\$7.25	\$0.97	\$0.32	\$0.00	\$7.75	\$0.75	\$0.00	\$0.00	\$49.33	\$65.47
Groundman 0-12 months Exp	\$25.33	\$7.25	\$0.76	\$0.25	\$0.00	\$6.08	\$0.75	\$0.00	\$0.00	\$40.42	\$53.08
Groundman 0-12 months Exp w/CDL	\$27.86	\$7.25	\$0.84	\$0.28	\$0.00	\$6.69	\$0.75	\$0.00	\$0.00	\$43.67	\$57.60
Groundman 1 yr or more	\$27.86	\$7.25	\$0.84	\$0.28	\$0.00	\$6.69	\$0.75	\$0.00	\$0.00	\$43.67	\$57.60
Groundman 1 yr or more w/CDL	\$32.92	\$7.25	\$0.99	\$0.33	\$0.00	\$7.90	\$0.75	\$0.00	\$0.00	\$50.14	\$66.60
Equipment Mechanic A	\$40.18	\$7.25	\$1.21	\$0.40	\$0.00	\$9.64	\$0.75	\$0.00	\$0.00	\$59.43	\$79.52
Equipment Mechanic B	\$36.23	\$7.25	\$1.09	\$0.36	\$0.00	\$8.70	\$0.75	\$0.00	\$0.00	\$54.38	\$72.50
Equipment Mechanic C	\$32.29	\$7.25	\$0.97	\$0.32	\$0.00	\$7.75	\$0.75	\$0.00	\$0.00	\$49.33	\$65.47



X-Ray Technician	\$50.66	\$7.25	\$1.52	\$0.51	\$0.00	\$12.16	\$0.75	\$0.00	\$0.00	\$72.85	\$98.18	
<b>Apprentice</b>	<b>Percent</b>											
1st 1000 hrs	60.00	\$30.40	\$7.25	\$0.91	\$0.30	\$0.00	\$7.30	\$0.75	\$0.00	\$0.00	\$46.91	\$62.10
2nd 1000 hrs	65.00	\$32.93	\$7.25	\$0.99	\$0.33	\$0.00	\$7.90	\$0.75	\$0.00	\$0.00	\$50.15	\$66.61
3rd 1000 hrs	70.00	\$35.46	\$7.25	\$1.06	\$0.35	\$0.00	\$8.51	\$0.75	\$0.00	\$0.00	\$53.38	\$71.11
4th 1000 hrs	75.00	\$38.00	\$7.25	\$1.14	\$0.38	\$0.00	\$9.12	\$0.75	\$0.00	\$0.00	\$56.64	\$75.63
5th 1000 hrs	80.00	\$40.53	\$7.25	\$1.22	\$0.41	\$0.00	\$9.73	\$0.75	\$0.00	\$0.00	\$59.89	\$80.15
6th 1000 hrs	85.00	\$43.06	\$7.25	\$1.29	\$0.43	\$0.00	\$10.33	\$0.75	\$0.00	\$0.00	\$63.11	\$84.64
7th 1000 hrs	90.00	\$45.59	\$7.25	\$1.37	\$0.46	\$0.00	\$10.94	\$0.75	\$0.00	\$0.00	\$66.36	\$89.16

**Special Calculation Note :** Other is Health Reimbursement Account

**Operator "A"**

John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater than 25 tons and less than 45 tons).

**Operator "B"**

Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger- wheeled or tracked, all Tension wire Stringing equipment.

**Operator "C"**

Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

\*All Operators of cranes 45 ton or larger shall be paid the journeyman rate of pay.

**Ratio :**

1 Journeyman to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL,

TUSCARAWAS, UNION, VINTON, WARREN,  
WASHINGTON, WAYNE

**Special Jurisdictional Note :**

**Details :**

Heli - Arc Welding will be paid \$.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 71 Outside Utility Power**

**Change # : LCN01-2024ibLoc7OutsideUtility**

**Craft : Lineman Effective Date : 02/07/2024 Last Posted : 02/07/2024**

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lineman	\$47.99	\$7.25	\$1.44	\$0.48	\$0.00	\$11.52	\$0.75	\$0.00	\$0.00	\$69.43	\$93.42
Substation Technician	\$47.99	\$7.25	\$1.44	\$0.48	\$0.00	\$11.52	\$0.75	\$0.00	\$0.00	\$69.43	\$93.42
Cable Splicer	\$50.26	\$7.25	\$1.51	\$0.50	\$0.00	\$12.06	\$0.75	\$0.00	\$0.00	\$72.33	\$97.46
Operator A	\$43.01	\$7.25	\$1.29	\$0.43	\$0.00	\$10.32	\$0.75	\$0.00	\$0.00	\$63.05	\$84.56
Operator B	\$38.02	\$7.25	\$1.14	\$0.38	\$0.00	\$9.12	\$0.75	\$0.00	\$0.00	\$56.66	\$75.67
Operator C	\$30.52	\$7.25	\$0.92	\$0.31	\$0.00	\$7.32	\$0.75	\$0.00	\$0.00	\$47.07	\$62.33
Groundman 0-12 months Exp	\$24.00	\$7.25	\$0.72	\$0.24	\$0.00	\$5.76	\$0.75	\$0.00	\$0.00	\$38.72	\$50.72
Groundman 0-12 months Exp w/CDL	\$26.40	\$7.25	\$0.79	\$0.26	\$0.00	\$6.33	\$0.75	\$0.00	\$0.00	\$41.78	\$54.98
Groundman 1 yr or more	\$26.40	\$7.25	\$0.79	\$0.26	\$0.00	\$6.33	\$0.75	\$0.00	\$0.00	\$41.78	\$54.98
Groundman 1 yr or more w/CDL	\$31.19	\$7.25	\$0.94	\$0.31	\$0.00	\$7.49	\$0.75	\$0.00	\$0.00	\$47.93	\$63.53
Equipment Mechanic A	\$38.02	\$7.25	\$1.14	\$0.38	\$0.00	\$9.12	\$0.75	\$0.00	\$0.00	\$56.66	\$75.67
Equipment Mechanic B	\$34.28	\$7.25	\$1.03	\$0.34	\$0.00	\$8.23	\$0.75	\$0.00	\$0.00	\$51.88	\$69.02
Equipment Mechanic C	\$30.52	\$7.25	\$0.92	\$0.31	\$0.00	\$7.32	\$0.75	\$0.00	\$0.00	\$47.07	\$62.33
Line Truck w/uuger	\$33.65	\$7.25	\$1.01	\$0.34	\$0.00	\$8.08	\$0.75	\$0.00	\$0.00	\$51.08	\$67.90
<b>Apprentice</b>	<b>Percent</b>										

1st 1000 hrs	60.00	\$28.79	\$7.25	\$0.86	\$0.29	\$0.00	\$6.91	\$0.75	\$0.00	\$0.00	\$44.85	\$59.25
2nd 1000 hrs	65.00	\$31.19	\$7.25	\$0.94	\$0.31	\$0.00	\$7.49	\$0.75	\$0.00	\$0.00	\$47.93	\$63.53
3rd 1000 hrs	70.00	\$33.59	\$7.25	\$1.01	\$0.34	\$0.00	\$8.06	\$0.75	\$0.00	\$0.00	\$51.00	\$67.80
4th 1000 hrs	75.00	\$35.99	\$7.25	\$1.08	\$0.36	\$0.00	\$8.64	\$0.75	\$0.00	\$0.00	\$54.07	\$72.07
5th 1000 hrs	80.00	\$38.39	\$7.25	\$1.15	\$0.38	\$0.00	\$9.21	\$0.75	\$0.00	\$0.00	\$57.13	\$76.33
6th 1000 hrs	85.00	\$40.79	\$7.25	\$1.22	\$0.41	\$0.00	\$9.79	\$0.75	\$0.00	\$0.00	\$60.21	\$80.61
7th 1000 hrs	90.00	\$43.19	\$7.25	\$1.30	\$0.43	\$0.00	\$10.37	\$0.75	\$0.00	\$0.00	\$63.29	\$84.89

**Special Calculation Note :** Other is Health Reimbursement Account

**Operator "A"**

John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater than 25 tons and less than 45 tons).

**Operator "B"**

Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger-wheeled or tracked, all Tension wire Stringing equipment.

**Operator "C"**

Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

**Ratio :**

(1) Journeyman Lineman to (1) Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN, WASHINGTON, WAYNE

**Special Jurisdictional Note :**

**Details :**

Heli - Arc Welding will be paid \$.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 71 Underground Residential Distribution**

**Change # : LCN01-2024ibLoc7URD**

**Craft : Lineman Effective Date : 02/07/2024 Last Posted : 02/07/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
URD Electrician	\$36.41		\$7.25	\$1.09	\$0.36	\$0.00	\$8.74	\$0.75	\$0.00	\$0.00	\$54.60	\$72.80
Equipment Operator A	\$32.57		\$7.25	\$0.98	\$0.33	\$0.00	\$7.82	\$0.75	\$0.00	\$0.00	\$49.70	\$65.98
Equipment Operator B	\$29.91		\$7.25	\$0.90	\$0.30	\$0.00	\$7.18	\$0.75	\$0.00	\$0.00	\$46.29	\$61.25
Directional Drill Locator	\$32.57		\$7.25	\$0.98	\$0.33	\$0.00	\$7.82	\$0.75	\$0.00	\$0.00	\$49.70	\$65.98
Directional Drill Operator	\$29.91		\$7.25	\$0.90	\$0.30	\$0.00	\$7.18	\$0.75	\$0.00	\$0.00	\$46.29	\$61.25
Groundman 0-12 months Exp	\$23.64		\$7.25	\$0.71	\$0.24	\$0.00	\$5.76	\$0.75	\$0.00	\$0.00	\$38.35	\$50.17
Groundman 0-12 months Exp w/CDL	\$26.07		\$7.25	\$0.78	\$0.26	\$0.00	\$6.26	\$0.75	\$0.00	\$0.00	\$41.37	\$54.41
Groundman 1 yr or more	\$26.07		\$7.25	\$0.78	\$0.26	\$0.00	\$6.26	\$0.75	\$0.00	\$0.00	\$41.37	\$54.41
Groundman 1 yr or more w/CDL	\$30.96		\$7.25	\$0.93	\$0.31	\$0.00	\$7.43	\$0.75	\$0.00	\$0.00	\$47.63	\$63.11
<b>Apprentice</b>	<b>Percent</b>											
1st 1000 hrs	80.00	\$29.13	\$7.25	\$0.87	\$0.29	\$0.00	\$6.99	\$0.75	\$0.00	\$0.00	\$45.28	\$59.84
2nd 1000 hrs	85.00	\$30.95	\$7.25	\$0.93	\$0.31	\$0.00	\$7.43	\$0.75	\$0.00	\$0.00	\$47.62	\$63.09
3rd 1000 hrs	90.00	\$32.77	\$7.25	\$0.98	\$0.33	\$0.00	\$7.86	\$0.75	\$0.00	\$0.00	\$49.94	\$66.32
4th 1000 hrs	95.00	\$34.59	\$7.25	\$1.04	\$0.35	\$0.00	\$8.28	\$0.75	\$0.00	\$0.00	\$52.26	\$69.55

**Special Calculation Note :** Other: Health Reimbursement Account

**Ratio :**

(1) Journeyman Lineman to (1) Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN, WASHINGTON, WAYNE

**Special Jurisdictional Note :**

**Details :**

This work applies to projects designated for any outside Underground Residential Distribution construction work for electrical utilities, municipalities and rural electrification projects.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 71 Voice Data Video Outside**

**Change # : LCN02-2024ibLoc71VDV**

**Craft : Voice Data Video Effective Date : 03/06/2024 Last Posted : 03/06/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Electrical Installer Technician I	\$35.39		\$7.25	\$1.06	\$0.00	\$0.00	\$1.77	\$0.00	\$0.00	\$0.00	\$45.47	\$63.17
Installer Technician II	\$33.37		\$7.25	\$1.00	\$0.00	\$0.00	\$1.67	\$0.00	\$0.00	\$0.00	\$43.29	\$59.97
Installer Repairman	\$33.37		\$7.25	\$1.00	\$0.00	\$0.00	\$1.67	\$0.00	\$0.00	\$0.00	\$43.29	\$59.97
Equipment Operator II	\$24.98		\$7.25	\$0.75	\$0.00	\$0.00	\$1.25	\$0.00	\$0.00	\$0.00	\$34.23	\$46.72
Cable Splicer	\$35.39		\$7.25	\$1.06	\$0.00	\$0.00	\$1.77	\$0.00	\$0.00	\$0.00	\$45.47	\$63.17
Ground Driver W/CDL	\$16.69		\$7.25	\$0.50	\$0.00	\$0.00	\$0.83	\$0.00	\$0.00	\$0.00	\$25.27	\$33.62
Groundman	\$14.57		\$7.25	\$0.44	\$0.00	\$0.00	\$0.73	\$0.00	\$0.00	\$0.00	\$22.99	\$30.28
<b>Trainees</b>	<b>Percent</b>											
Trainee F	50.02	\$17.70	\$7.25	\$0.53	\$0.00	\$0.89	\$0.00	\$0.00	\$0.00	\$0.00	\$26.37	\$35.22
Trainee E	58.00	\$20.53	\$7.25	\$0.62	\$0.00	\$1.03	\$0.00	\$0.00	\$0.00	\$0.00	\$29.43	\$39.69
Trainee D	66.00	\$23.36	\$7.25	\$0.70	\$0.00	\$1.17	\$0.00	\$0.00	\$0.00	\$0.00	\$32.48	\$44.16
Trainee C	74.00	\$26.19	\$7.25	\$0.79	\$0.00	\$1.31	\$0.00	\$0.00	\$0.00	\$0.00	\$35.54	\$48.63
Trainee B	82.00	\$29.02	\$7.25	\$0.87	\$0.00	\$1.45	\$0.00	\$0.00	\$0.00	\$0.00	\$38.59	\$53.10
Trainee A	90.00	\$31.85	\$7.25	\$0.96	\$0.00	\$1.59	\$0.00	\$0.00	\$0.00	\$0.00	\$41.65	\$57.58

**Special Calculation Note :**

**Ratio :**

1 Trainee to 1 Journeyman

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE,

FAIRFIELD, FAYETTE, FRANKLIN, GALLIA,  
GEAUGA, GREENE, GUERNSEY, HAMILTON,  
HARRISON, HIGHLAND, HOCKING, HOLMES,  
JACKSON, JEFFERSON, KNOX, LAKE,  
LAWRENCE, LICKING, LOGAN, LORAIN,  
MADISON, MAHONING, MARION, MEDINA,  
MEIGS, MERCER, MIAMI, MONROE,  
MONTGOMERY, MORGAN, MORROW,  
MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE,  
PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO,  
SHELBY, STARK, SUMMIT, TRUMBULL,  
TUSCARAWAS, UNION, VINTON, WARREN,  
WASHINGTON, WAYNE

### **Special Jurisdictional Note :**

#### **Details :**

**Cable Splicer:** Inspect and test lines or cables, analyze results, and evaluate transmission characteristics. Cover conductors with insulation or seal splices with moisture-proof covering. Install, splice, test, and repair cables using tools or mechanical equipment. This will include the splicing of fiber.

**Installer Technician I:** Must know all aspects of telephone and cable work. This is to include aerial, underground, and manhole work. Must know how to climb and run bucket. Must have all the tools required to perform these tasks. Must be able to be responsible for the safety of the crew at all times. Must also have CDL license and have at least 5 years experience.

**Installer Repairman:** Perform tasks of repairing, installing, and testing phone and CATV services.

**Installer Technician II:** Have at least three years of telephone and CATV experience. Must have the knowledge of underground, aerial, and manhole work. Must be able to climb and operate bucket. Must have CDL. Must have all tools needed to perform these tasks.

**Equipment Operator II:** Able to operate a digger derrick or bucket truck. Have at least 3 years of experience and must have a valid CDL license.

**Groundman W/CDL:** Must have a valid CDL license and be able to perform tasks such as: climbing poles, pulling down guys, making up material, and getting appropriate tools for the job. Must have at least 5 year's experience.

**Groundman:** Perform tasks such as: climbing poles, pulling down guys, making up material, and getting appropriate tools for the job. Experience 0-5 years.



# Prevailing Wage Rate Skilled Crafts

Name of Union: Elevator Local 17

Change # : LCN01-2012jcLoc17

Craft : Elevator Effective Date : 05/30/2012 Last Posted : 05/30/2012

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Elevator Mechanic	\$44.04		\$11.02	\$6.96	\$0.55	\$2.64	\$5.00	\$1.43	\$0.00	\$0.00	\$71.64	\$93.66
Helper	\$30.83		\$11.02	\$6.96	\$0.55	\$1.85	\$5.00	\$0.99	\$0.00	\$0.00	\$57.20	\$72.61
Apprentice	Percent											
Apprentice												
0-6months Probation	50.00	\$22.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.02	\$33.03
1st year	55.00	\$24.22	\$11.02	\$6.96	\$0.55	\$1.42	\$5.00	\$0.78	\$0.00	\$0.00	\$49.95	\$62.06
2nd year	65.00	\$28.63	\$11.02	\$6.96	\$0.55	\$1.67	\$5.00	\$0.92	\$0.00	\$0.00	\$54.75	\$69.06
3rd year	70.00	\$30.83	\$11.02	\$6.96	\$0.55	\$1.80	\$5.00	\$0.99	\$0.00	\$0.00	\$57.15	\$72.56
4th year and Assistant Mechanic	80.00	\$35.23	\$11.02	\$6.96	\$0.55	\$2.06	\$5.00	\$1.14	\$0.00	\$0.00	\$61.96	\$79.58

**Special Calculation Note :** Vacation 6% for employees under 5 years based on regular hourly rate for all hours worked. 8% for employees over 5 years based on regular hourly rate for all hours worked. Other is Holiday Pay

## Ratio :

1 Journeyman to 1 Apprentice.

## Jurisdiction ( \* denotes special jurisdictional note ) :

ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN

## Special Jurisdictional Note :

## Details :

# Prevailing Wage Rate Skilled Crafts

Name of Union: Elevator Local 17

**Change # : LCN01-2024ibLoc17**

**Craft : Elevator Effective Date : 04/10/2024 Last Posted : 04/10/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Elevator Mechanic	\$61.18		\$16.17	\$10.86	\$0.75	\$4.89	\$10.10	\$2.30	\$0.00	\$0.00	\$106.25	\$136.84
Helper	\$42.83		\$16.07	\$10.86	\$0.75	\$3.43	\$10.10	\$1.61	\$0.00	\$0.00	\$85.65	\$107.06
<b>Apprentice</b>	<b>Percent</b>											
0-6months Probation	50.00	\$30.59	\$0.00	\$0.00	\$0.00	\$1.84	\$0.00	\$0.00	\$0.00	\$0.00	\$32.43	\$47.73
1st year	55.00	\$33.65	\$16.07	\$10.86	\$0.75	\$2.02	\$10.10	\$1.27	\$0.00	\$0.00	\$74.72	\$91.54
2nd year	65.00	\$39.77	\$16.07	\$10.86	\$0.75	\$2.39	\$10.10	\$1.50	\$0.00	\$0.00	\$81.44	\$101.32
3rd year	70.00	\$42.83	\$16.07	\$10.86	\$0.75	\$2.57	\$10.10	\$1.61	\$0.00	\$0.00	\$84.79	\$106.20
4th year and Assistant Mechanic	80.00	\$48.94	\$16.07	\$10.86	\$0.75	\$2.94	\$10.10	\$1.84	\$0.00	\$0.00	\$91.50	\$115.98

**Special Calculation Note :** Vacation 6% for employees under 5 years based on regular hourly rate for all hours worked. 8% for employees over 5 years based on regular hourly rate for all hours worked. Other is Holiday Pay

**Ratio :**

- 1 Journeyman to 1 Apprentice
- 1 Journeyman to 1 Helper
- 1 Journeyman to 1 Assistant Mechanic

**Jurisdiction ( \* denotes special jurisdictional note ) :**

- ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: **Glazier Local 181**

Change # : **LCN02-2023ibLoc181**

Craft : **Glazier** Effective Date : **05/01/2023** Last Posted : **04/26/2023**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Glazier	\$33.97		\$8.72	\$11.58	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$54.72	\$71.70
<b>Apprentice</b>	<b>Percent</b>											
1st 6 months	50.02	\$16.99	\$8.72	\$1.02	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.18	\$35.68
2nd 6 months	50.02	\$16.99	\$8.72	\$1.02	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.18	\$35.68
3rd 6 months	50.02	\$16.99	\$8.72	\$5.19	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.35	\$39.85
4th 6 months	55.00	\$18.68	\$8.72	\$5.61	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.46	\$42.81
5th 6 months	60.00	\$20.38	\$8.72	\$6.02	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.57	\$45.76
6th 6 months	70.00	\$23.78	\$8.72	\$6.86	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.81	\$51.70
7th 6 months	80.00	\$27.18	\$8.72	\$7.69	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.04	\$57.62
8th 6 months	90.00	\$30.57	\$8.72	\$8.53	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.27	\$63.56

**Special Calculation Note** : No special calculations for this classification.

**Ratio :**

2 Journeymen to 1 Apprentice  
3 Journeymen to 1 Apprentice Thereafter

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, ERIE\*, GEAUGA,  
HURON, LAKE, LORAIN, MEDINA\*, PORTAGE\*,  
SUMMIT\*

**Special Jurisdictional Note** : Start at the intersection of Route 305 and the eastern boundary line of Portage County. Follow Route 305 west onto Route 82, follow Route 82 west to the intersection of Routes 82,8 and 271, follow Route 271 south to Medina County line west to Route 94, follow Route 94 south to Route 303, follow Route 303 west to Route 252, follow Route 252 south to Route 18, follow Route 18 west to Route 301, follow 301 south to Route 162, follow Route 162 west to Route 58, follow Route 58 south to the Ashland County line, follow the Ashland County line. The eastern part of Route 4 north to Lake Erie is the jurisdiction of Local 181. Local 181 has the jurisdiction on all projects built on the property which borders on the above Routes and/or intersections, wherever a County line is the divider between Local 181 and another Union, the jurisdiction is only to the county line.

**Details :**

High Pay: All work is defined for the purpose of the agreement as being work which requires that the employee be supported by equipment that hangs from or suspends from the wall or roof of a building or structure. This work shall receive an additional \$1.50 per hour.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 17

Change # : LCN01-2020fbLoc17

Craft : Ironworker Effective Date : 12/24/2020 Last Posted : 12/24/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Ironworker	\$33.83		\$7.94	\$10.00	\$0.67	\$2.10	\$4.50	\$0.00	\$0.00	\$0.00	\$59.04	\$75.95
Apprentice	Percent											
1st 6 Months	50.00	\$16.91	\$7.94	\$10.00	\$0.67	\$2.10	\$4.50	\$0.00	\$0.00	\$0.00	\$42.13	\$50.58
2nd 6 Months	55.00	\$18.61	\$7.94	\$10.00	\$0.67	\$2.10	\$4.50	\$0.00	\$0.00	\$0.00	\$43.82	\$53.12
2nd Year 1st 6 Months	70.00	\$23.68	\$7.94	\$10.00	\$0.67	\$2.10	\$4.50	\$0.00	\$0.00	\$0.00	\$48.89	\$60.73
2nd Year 2nd 6 Months	75.00	\$25.37	\$7.94	\$10.00	\$0.67	\$2.10	\$4.50	\$0.00	\$0.00	\$0.00	\$50.58	\$63.27
3rd Year 1st 6 Months	80.00	\$27.06	\$7.94	\$10.00	\$0.67	\$2.10	\$4.50	\$0.00	\$0.00	\$0.00	\$52.27	\$65.81
3rd Year 2nd 6 Months	85.00	\$28.76	\$7.94	\$10.00	\$0.67	\$2.10	\$4.50	\$0.00	\$0.00	\$0.00	\$53.97	\$68.34
4th Year 1st 6 Months	90.00	\$30.45	\$7.94	\$10.00	\$0.67	\$2.10	\$4.50	\$0.00	\$0.00	\$0.00	\$55.66	\$70.88
4th Year 2nd 6 Months	95.00	\$32.14	\$7.94	\$10.00	\$0.67	\$2.10	\$4.50	\$0.00	\$0.00	\$0.00	\$57.35	\$73.42

**Special Calculation Note :** No special calculations for this skilled craft wage rate are required at this time.

## Ratio :

4 Journeymen to 1 Apprentice on Structural Work  
 3 Journeymen to 1 Apprentice on Rod Work  
 2 Journeymen to 1 Apprentice on Finishing, Steel Sash, Stairway and Ornamental Work  
 1 Apprentice for every Sheeting Gang  
 1 Journeymen to 2 Apprentice Roadway Signage and Sound Barriers  
 2 Journeymen to 2 Apprentice Unloading and Erection of Light Gauge Metal Trusses

## Jurisdiction ( \* denotes special jurisdictional note ) :

ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, SUMMIT

**Special Jurisdictional Note :** West Boundary Line :Sandusky, Ohio: Boundary lines between Local 17 & Local 55 are as follows: Columbus Ave north to Sandusky Bay (and/or Lake Erie): Columbus Ave South to present Route 4: Route 4 South to present Route 99: from Route 99 south to old Route 224-all territory to the west of the boundary line to be the jurisdiction of Local 55.All territory to the East of the boundary line to be the jurisdiction of Local 17.Kelly's Island to be within jurisdiction of Local 17.All bridges,tunnels,viaducts,etc, relative to these boundary lines shall be the jurisdiction of Local 17

South Boundary Line:Canton, Ohio: Boundary lines between Local 17 & Local 550 are as follows: All territory north of old Route 224 line to be the jurisdiction of Local 17. All bridges,tunnels,viaducts,signs,etc, relative to old Route 224 line to be within the jurisdiction of Local 17. All territory south of old Route 224 line is to be within the jurisdiction of Local 550, except for everything within the city limits of Barberton which shall be the jurisdiction of Local 17.

Reading from West to East: Route old 224 line: Greenwich Ave-Wooster Road or East Ave. Route old 224 line: New 224 line including Cloverleaf: East Waterloo Road: New 224 line-Attwood Road-Old 224. This will be considered to be the old Route 224 line,except for the city limits of Barberton, Ohio which shall be the jurisdiction of Local 17

Southeast Boundary : Between local 17 and Local 207 are as follows: West of a line from Middlefield to Shalersville to Deerfield, shall be under the jurisdiction of local 17. East of a line from Middlefield, to Shalersville to Deerfield, shall be under the jurisdiction of Local 207.

Local 17 & Local 207 have agreed that the Ohio County of Ashtabula shall be as follows: Everything North of Route 6, starting at the Geauga County line, proceeding east to State Route 45, shall be under the jurisdiction of Local 17. Everything South, starting at the Geauga County line shall be under local 207.

North Boundary: The East boundary line and the West boundary line continuing North halfway across Lake Erie.

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Labor HevHwy 2

**Change # : LCN01-2024ibLaborHevHwy2**

**Craft : Laborer Group 1 Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Laborer Group 1	\$35.95		\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$50.55	\$68.53
Group 2	\$36.12		\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$50.72	\$68.78
Group 3	\$36.45		\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$51.05	\$69.28
Group 4	\$36.90		\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$51.50	\$69.95
Watch Person	\$28.25		\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$42.85	\$56.98
<b>Apprentice</b>	<b>Percent</b>											
0-1000 hrs	60.00	\$21.57	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$36.17	\$46.96
1001-2000 hrs	70.02	\$25.17	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$39.77	\$52.36
2001-3000 hrs	80.00	\$28.76	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$43.36	\$57.74
3001-4000 hrs	90.00	\$32.36	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$46.96	\$63.13
More Than 4000 hrs	100.00	\$35.95	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$50.55	\$68.53

**Special Calculation Note :** Watchman has no Apprentices. Tunnel Laborer rate with air-pressurized add \$1.00 to the above wage rate.

**Ratio :**

1 Journeymen to 1 Apprentice  
3 Journeymen to 1 Apprentice thereafter

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL, WOOD

**Special Jurisdictional Note :** Hod Carriers and Common Laborers - Heavy, Highway, Sewer, Waterworks, Utility, Airport, Railroad, Industrial and Building Site, Sewer Plant, Waste Water Treatment Facilities Construction

**Details :**

Group 1  
Laborer (Construction); Plant Laborer or Yardman, Right-of-way Laborer, Landscape Laborer, Highway Lighting Worker, Signalization Worker, (Swimming) Pool Construction Laborer, Utility Man, \*Bridge Man, Handyman,

Joint Setter, Flagperson, Carpenter Helper, Waterproofing Laborer, Slurry Seal, Seal Coating, Surface Treatment or Road Mix Laborer, Riprap Laborer & Grouter, Asphalt Laborer, Dump Man (batch trucks), Guardrail & Fence Installer, Mesh Handler & Placer, Concrete Curing Applicator, Scaffold Erector, Sign Installer, Hazardous Waste (level D), Diver Helper, Zone Person and Traffic Control.

\*Bridge Man will perform work as per the October 31, 1949, memorandum on concrete forms, by and between the United Brotherhood of Carpenters and Joiners of America and the Laborers' International Union of North America, which states in; "the moving, cleaning, oiling and carrying to the next point of erection, and the stripping of forms which are not to be re-used, and forms on all flat arch work shall be done by members of the Laborers' International Union of North America."

#### Group 2

Asphalt Raker, Screwman or Paver, Concrete Puddler, Kettle Man (pipeline), All Machine-Driven Tools (Gas, Electric, Air), Mason Tender, Brick Paver, Mortar Mixer, Skid Steer, Sheeting & Shoring Person, Surface Grinder Person, Screedperson, Water Blast, Hand Held Wand, Power Buggy or Power Wheelbarrow, Paint Striper, Plastic fusing Machine Operator, Rodding Machine Operator, Pug Mill Operator, Operator of All Vacuum Devices Wet or Dry, Handling of all Pumps 4 inches and under (gas, air or electric), Diver, Form Setter, Bottom Person, Welder Helper (pipeline), Concrete Saw Person, Cutting with Burning Torch, Pipe Layer, Hand Spiker (railroad), Underground Person (working in sewer and waterline, cleaning, repairing and reconditioning). Tunnel Laborer (without air), Caisson, Cofferdam (below 25 feet deep), Air Track and Wagon Drill, Sandblaster Nozzle Person, Hazardous Waste (level B), \*\*\*Lead Abatement, Hazardous Waste (level C)

\*\*\*Includes the erecting of structures for the removal, including the encapsulation and containment of Lead abatement process.

#### Group 3

Blast and Powder Person, Muckers will be defined as shovel men working directly with the miners, Wrencher (mechanical joints & utility pipeline), Yarnier, Top Lander, Hazardous Waste (level A), Concrete Specialist, Curb Setter and Cutter, Grade Checker, Concrete Crew in Tunnels. Utility pipeline Tappers, Waterline, Caulker, Signal Person will receive the rate equal to the rate paid the Laborer classification for which the Laborer is signaling.

#### Group 4

Miner, Welder, Guniting Nozzle Person

A.) The Watchperson shall be responsible to patrol and maintain a safe traffic zone including but not limited to barrels, cones, signs, arrow boards, message boards etc.

The responsibility of a watchperson is to see that the equipment, job and office trailer etc. are secure.



# Prevailing Wage Rate Skilled Crafts

Name of Union: Laborer Local 245

**Change # : LCN01-2024ibLoc245**

**Craft : Laborer Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Laborer Group 1	\$35.95		\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$50.55	\$68.53
Group 2	\$36.45		\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$51.05	\$69.28
Group 3	\$36.85		\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$51.45	\$69.87
Group 4	\$36.95		\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$51.55	\$70.03
Apprentice	Percent											
1-1000 hours	60.00	\$21.57	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$36.17	\$46.96
1001-2000 hours	70.01	\$25.17	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$39.77	\$52.35
2001-3000 hours	80.00	\$28.76	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$43.36	\$57.74
3001-4000 hours	90.00	\$32.36	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$46.96	\$63.13
4000+ hours	100.00	\$35.95	\$8.40	\$4.15	\$0.45	\$0.00	\$1.50	\$0.00	\$0.10	\$0.00	\$50.55	\$68.53

**Special Calculation Note :** The apprenticeship rate shall be calculated at the appropriate percentages for the classification of work being performed by the apprentice.

**Ratio :**

1 Journeymen to 1 Apprentice then  
3 Journeymen to 1 Apprentice  
thereafter per project

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA

**Special Jurisdictional Note :**

**Details :**

Group 1

Stone Mason Assistant, Asphalt Raker and Tamper, Dump person (Batch Truck), Signal Person, Concrete Worker, Building Wrecker, Tool Checker, Carpenter Tender, Mason Tender, Construction Laborer, Landscape Laborer, Spreader Box Person, Screw Person, Asphalt, Plaster or Mortar Mixer, Squeegee Person, Air and Machine Drive Tool Operator, Power Driven Wheelbarrows, Power Driven Sweepers, Burning and Cutting Torches, Industrial Cleaner, Mud Jacking of Floors, Sewer Pipe Layer, Bottom Person - 6 feet and over, Sheeting and Shoring Person, Acid and Fire Brick, Screed Person, Concrete Specialist, Mud Jacking of Floors, Sand and Water Blaster

Group 2

Asbestos, Lead and Hazardous Waste Removal

Group 3

Stack Person, Swinging Scaffold Person, Tunnel Laborer, Gunnite Operator, Blaster and Power Person, Welder

Group 4

Power Plant Worker (New or Remodel \$750,000 or higher)

# Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - Building Local 18 - Zone I (A)

Change # : LCN01-2023ibLoc18

Craft : Operating Engineer Effective Date : 05/01/2023 Last Posted : 04/26/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Operator Group A	\$45.56		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$61.81	\$84.59
Operator Group B	\$45.41		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$61.66	\$84.36
Operator Group C	\$43.96		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$60.21	\$82.19
Operator Group D	\$43.18		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$59.43	\$81.02
Operator Group E	\$42.86		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$59.11	\$80.54
Operator Group F	\$35.78		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$52.03	\$69.92
Master Mechanic	\$46.56		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$62.81	\$86.09
Crane 200'-299'	\$46.56		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$62.81	\$86.09
Crane 300' and over	\$47.06		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$63.31	\$86.84
Mobile Concrete Pumps 200'-299'	\$46.56		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$62.81	\$86.09
Mobile Concrete Pumps 300' and over	\$47.06		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$63.31	\$86.84
<b>Apprentice</b>	<b>Percent</b>											
1st Year	59.81	\$27.25	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$43.50	\$57.12
2nd Year	69.77	\$31.79	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$48.04	\$63.93
3rd Year	79.74	\$36.33	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$52.58	\$70.74
4th Year	89.70	\$40.87	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$57.12	\$77.55

## **Special Calculation Note :** Other & Misc is Education & Safety and National Training Fund.

### **Ratio :**

For every (3) Operating Engineer Journeymen employed by the company ,there may be employed (1) Registered Apprentice. An apprentice, while employed as part of a crew per Article VIII, paragraph 77, will not be subject to the apprenticeship ratios in this collective bargaining agreement.

### **Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA

## **Special Jurisdictional Note :**

### **Details :**

Note: There will be a 5% increase for the apprentices on top of the percentages listed above provided they are operating mobile equipment. Operating Engineers employed on any piece of equipment requiring a Certified Crane Operator (CCO) certification or employed on cranes involved in pile driving operations shall be paid a premium of one dollar (\$1.00) per hour in addition to the crane rate or any escalated rate that may be in effect.

Group A - A-Frames; " Boiler Operators, Compressor Operators, Hydraulic Pumps & Power Pacs when mounted on a crane or regardless of where said equipment is mounted (piggy-back operatotion)"; Boom Trucks (all types); Cableways; Cherry Pickers; Combination - Concrete Mixers & Towers; Concrete Pumps; Cranes (all types); Cranes- compact: Track or rubber over 4000lbs. capacity; Cranes- self erecting: stationary, track or truck (all configurations); Derricks (all types); Draglines; Dredges (dipper, clam or suction) 3-man crew; Elevating Graders or Euclid Loaders; Floating Equipment; Gradalls; Helicopter Operators, hoisting building materials; Helicopter Winch Operators, hoisting building materials; Hoes (All types); Hoists (two or more drums ); Lift Slab or Panel Jack Operators; Locomotives (all types); Maintenance Engineers (Mechanic and/or Welder); Mixers, paving (multiple drum); Mobile Concrete Pumps with booms; Panelboards, (all types on site); Pile Drivers; Power Shovels; Robotics Equipment Operator/Mechanic; Rotary Drills (all), used on caissons work, wells (all types), Geothermal work and sub-structure work; Rough Terrain Forklifts with Winch/Hoist (when used as a crane); Side Booms; Slip Form Pavers; Straddle Carriers (Building Construction on site); Trench Machines (over 24" wide); Tug Boats; Tunnel Boring Machine (TBM).

Group B - Asphalt Pavers; Bulldozers; CMI type Equipment; End Loaders; Horizontal Directional Drill Locator; Horizontal Directional Drill Operator; Instrument Man; Kolman-type Loaders (Dirt Loading); Lead Greasemen; Mucking Machines; Power Graders; Power Scoops; Power Scrapers; Push Cats; Rotomills; Vermeer Type Concrete Saw.

Group C - Air Compressors, Pressurizing Shafts or Tunnels; Articulating/Straight bed end dumps if assigned by the employer (minus \$4.00 per hour from Group C); All Asphalt Rollers; Fork Lifts; Hoists (with one drum); House Elevators (except those automatic call button controlled); Hydro Excavator (all types C rate) (F rate if a second person is needed) Helper rate; Laser Screeds and like equipment; Man Lifts; Modular Moving and Placement machine (C Rate) (F Rate if second person is needed); Mud Jacks; Portable Hydraulic Gantry (lift system C rate) (F Rate if a second person is needed); Power Boilers (over 15 lbs. pressure); Pump Operators (installing or operating Well Points or other types of Dewatering Systems); Pressure Grouting; Trenchers (24" and under); Utility Operators.

Group D – Brokks with a manufacture’s weight of 3,500 lbs. and above; Compressors, on building construction; Conveyors, used for handling building materials; Generators; Guniting Machines; Mixers, more than one bag capacity; Mixers, one bag capacity (side loader); Pavement Breakers (hydraulic or cable); Post Drivers; Post Hole Diggers; Road Widening Trenchers; Rollers; Welder Operators.

Group E - Backfillers and Tampers; Batch Plants; Bar and Joint Installing Machines; Bull Floats; Burlap and Curing Machines; Cleaning Machine Operator (decontamination included); Clefplanes; Concrete Spreading Machines; Crushers; Deckhands; Drum Fireman (asphalt); Farm-type, Tractor, pulling attachments; Finishing Machines; Forklifts (masonry work only); Form Trenchers; High Pressure Pumps (over 1/2" discharge); Hydro Seeders; Pumps (4" and over discharge), provided it is not part of a dewatering system discharged into a common header; Self-Propelled Power Spreaders; Self-Propelled Sub Graders; Submersible Pump (4" and over discharge), provided it is not part of a dewatering system discharged into a common header; Tire Repairman; Tractors, pulling sheepsfoot rollers or graders; Vibratory Compactors with integral power.

Group F - Apprentice/Helpers, Oiler, Signalmen; Barrier Moving Machines (additional duty, paid same rate); Bobcat-type and/or Skid Steer Loader; Bobcat-type and/or Skid Steer Loader with any and all attachments; Brokks with a manufacture’s weight less than 3,500 lbs.; Cranes – compact, track or rubber under 4000 lbs. capacity; Geodimeter; Grade Checker; Grinders (all); Inboard/Outboard Motor Boat Launches; Light Plant Operators; Planers (all types); Power Boilers (less than 15 lbs. pressure); Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Rod Man; Rotomills; Saw (concrete Vermeer-type); Submersible Pumps (under 4 inch discharge); Vac Alls; Cutting, burning and fabricating on equipment and their attachments.

Master Mechanic - Master Mechanic

Crane 200’-299’ - Boom & Jib 200’ feet and over

Crane 300’ and Over - Boom & Jib 300’ and over

# Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - HevHwy Zone I

Change # : LCN01-2023ibLoc18hevhwyl

Craft : Operating Engineer Effective Date : 05/01/2023 Last Posted : 04/26/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Operator Class A	\$42.98		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$59.23	\$80.72
Operator Class B	\$42.88		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$59.13	\$80.57
Operator Class C	\$41.84		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$58.09	\$79.01
Operator Class D	\$40.62		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$56.87	\$77.18
Operator Class E	\$35.33		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$51.58	\$69.24
Master Mechanic	\$43.23		\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$59.48	\$81.09
<b>Apprentice</b>	<b>Percent</b>											
1st Year	50.00	\$21.49	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$37.74	\$48.49
2nd Year	60.00	\$25.79	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$42.04	\$54.93
3rd Year	70.00	\$30.09	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$46.34	\$61.38
4th Year	80.00	\$34.38	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$50.63	\$67.83
Field Mech Trainee												
1st year	50.00	\$21.49	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$37.74	\$48.49
2nd year	60.00	\$25.79	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$42.04	\$54.93
3rd year	70.00	\$30.09	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$46.34	\$61.38
4th year	80.00	\$34.38	\$9.01	\$6.25	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.05	\$50.63	\$67.83

**Special Calculation Note :** Other: Education & Safety Fund is \$0.09 per hour. \*Misc is National Training

## Ratio :

For every (3) Operating Engineer Journeymen employed by the company, there may be employed (1) Registered Apprentice or Trainee Engineer

## Jurisdiction ( \* denotes special jurisdictional note ) :

ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, SUMMIT

through the referral when they are available. An Apprentice, while employed as part of a crew per Article VIII, paragraph 69 will not be subject to the apprenticeship ratios in this collective bargaining agreement

### **Special Jurisdictional Note :**

#### **Details :**

\*\*Apprentices will receive a 10% increase on top of the percentages listed above provided they are operating mobile equipment. Mechanic Trainees will receive 10% if required to have a CDL.

Class A - Air Compressors on Steel Erection; Asphalt Plant Engineers (Cleveland District Only); Barrier Moving Machine; Boiler Operators, Compressor Operators, or Generators, when mounted on a rig; Boom Trucks (all types); Cableways; Cherry Pickers; Combination- Concrete Mixers & Towers; Concrete Plants (over 4 yd capacity); Concrete Pumps; Cranes (all types); Compact Cranes track or rubber over 4,000 pounds capacity; Cranes self-erecting stationary, track or truck; Derricks (all types); Draglines; Dredges dipper, clam or suction; Elevating Graders or Euclid Loaders; Floating Equipment (all types); Gradalls; Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines; Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting system); Industrial-type Tractors; Jet Engine Dryer (D8 or D9) diesel Tractors; Locomotives (standard gauge); Maintenance Operators/Technicians (class A); Mixers, paving (single or double drum); Mucking Machines; Multiple Scrapers; Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Rotary Drills, on caisson work; Rough Terrain Fork Lift with winch/hoist; Side Booms; Slip Form Pavers; Survey Crew Party Chiefs; Tower Derricks; Tree Shredders; Trench Machines (over 24" wide); Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators.

Class B - Asphalt Pavers; Automatic Subgrade Machines, self-propelled (CMI-type); Bobcat-type and /or Skid Steer Loader with hoe attachment greater than 7000 lbs.; Boring Machine Operators (more than 48 inches); Bulldozers; Concrete Saws, Vermeer type; Endloaders; Horizontal Directional Drill (50,000 ft. lbs. thrust and over); Hydro Milling Machine; Kolman-type Loaders (production type-dirt); Lead Greasemen; Lighting and Traffic Signal Installation Equipment includes all groups or classifications; Maintenance Operators/Technicians, Class B; Material Transfer Equipment (shuttle buggy) Asphalt; Pettibone-Rail Equipment; Power Graders; Power Scrapers; Push Cats; Rotomills (all), Grinders and Planners of all types, Groovers (excluding walk-behinds); Trench Machines (24 inch wide and under).

Class C - A-Frames; Air Compressors, on tunnel work (low Pressure); Articulating/straight bed end dumps if assigned (minus \$4.00 per hour); Asphalt Plant Engineers (Portage and Summit Counties only); Bobcat-type and/or skid steer loader with or without attachments; Drones; Highway Drills (all types); HydroVac/Excavator (when a second person is needed, the rate of pay will be "Class E"); Locomotives (narrow gauge); Material Hoist/Elevators; Mixers, concrete (more than one bag capacity); Mixers, one bag capacity (side loader); Power Boilers (over 15 lbs. pressure); Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Inserter/Remover; Rollers, Asphalt; Rotovator (lime-soil Stabilizer); Switch & Tie Tampers (without lifting and aligning device); Utilities Operators, (small equipment); Welding Machines and Generators.

Class D – Backfillers and Tampers; Ballast Re-locator; Bar and Joint Installing Machines; Batch Plant Operators; Boring Machine Operators (48 inch or less); Bull Floats; Burlap and Curing Machines; Concrete Plants (capacity 4 yds. and under); Concrete Saws (multiple); Conveyors (highway); Crushers; Deckhands; Farm type tractors, with attachments (highway); Finishing Machines; Firemen, Floating Equipment (all

types); Fork Lifts (highway), except masonry; Form Trenchers; Hydro Hammers; Hydro Seeders; Pavement Breakers (hydraulic or cable); Plant Mixers; Post Drivers; Post Hole Diggers; Power Brush Burners; Power Form Handling Equipment; Road Widening Trenchers; Rollers (brick, grade, macadam); Self-Propelled Power Spreaders; Self-Propelled Sub-Graders; Steam Firemen; Survey Instrument men; Tractors, pulling sheepsfoot rollers or graders; Vibratory Compactors, with integral power.

Class E - Compressors (portable, Sewer, Heavy and Highway); Cranes-Compact, track or rubber under 4,000 pound capacity; Drum Firemen (asphalt plant); Fueling and greasing (Primary Operator with Specialized CDL Endorsement Add \$3.00/hr); Generators; Inboard-Outboard Motor Boat Launches; Masonry Fork Lifts; Oil Heaters (asphalt plant); Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalperson; Survey Rodmen or Chairmen; Tire Repairmen; VAC/ALLS.  
Master Mechanic - Master Mechanic



# Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 505

**Change # : LCN01-2024ibLoc505**

**Craft : Drywall Finisher Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Painter Drywall Finisher	\$32.00		\$9.12	\$6.08	\$0.45	\$0.00	\$4.66	\$0.00	\$0.00	\$0.00	\$52.31	\$68.31
Apprentice	Percent											
1st 6 months	55.00	\$17.60	\$9.12	\$1.84	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.01	\$37.81
2nd 6 months	55.00	\$17.60	\$9.12	\$1.94	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.11	\$37.91
3rd 6 months	55.00	\$17.60	\$9.12	\$2.39	\$0.45	\$0.00	\$2.56	\$0.00	\$0.00	\$0.00	\$32.12	\$40.92
4th 6 months	65.00	\$20.80	\$9.12	\$2.49	\$0.45	\$0.00	\$3.03	\$0.00	\$0.00	\$0.00	\$35.89	\$46.29
5th 6 months	75.00	\$24.00	\$9.12	\$2.94	\$0.45	\$0.00	\$3.50	\$0.00	\$0.00	\$0.00	\$40.01	\$52.01
6th 6 months	85.00	\$27.20	\$9.12	\$3.04	\$0.45	\$0.00	\$3.96	\$0.00	\$0.00	\$0.00	\$43.77	\$57.37

**Special Calculation Note :** No special calculation for this classification.

**Ratio :**

2 Journeyman to 1 Apprentice  
3 Journeyman to 1 Apprentice after 9 total tapers

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE\*, SUMMIT\*

**Special Jurisdictional Note :** Portage & Summit North of the East-West Turnpike.

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639

Change # : LCNO1-2015fbLoc639

Craft : Painter Effective Date : 06/10/2015 Last Posted : 06/10/2015

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
<b>Classification</b>											
Painter Metal Finisher/Helpers											
Top Helper Class A	\$19.09	\$3.65	\$0.00	\$0.00	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$23.40	\$32.94
Top Helper Class B	\$19.09	\$3.65	\$0.65	\$0.00	\$1.03	\$0.00	\$0.37	\$0.00	\$0.00	\$24.79	\$34.33
Top Helper Class C	\$19.09	\$3.65	\$1.00	\$0.00	\$1.76	\$0.00	\$0.37	\$0.00	\$0.00	\$25.87	\$35.41
Helper Class A	\$14.69	\$3.65	\$0.00	\$0.00	\$0.51	\$0.00	\$0.00	\$0.00	\$0.00	\$18.85	\$26.19
Helper Class B	\$14.69	\$3.65	\$0.65	\$0.00	\$0.79	\$0.00	\$0.28	\$0.00	\$0.00	\$20.06	\$27.40
Helper Class C	\$14.69	\$3.65	\$1.00	\$0.00	\$1.64	\$0.00	\$0.28	\$0.00	\$0.00	\$21.26	\$28.60
New Hire 90 Days	\$11.00	\$3.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14.65	\$20.15

**Special Calculation Note :** Other is Sick and Personal Time

**Ratio :**

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE,

PUTNAM, RICHLAND, ROSS, SANDUSKY,  
SCIOTO, SENECA, SHELBY, STARK, SUMMIT,  
TRUMBULL, TUSCARAWAS, UNION, VAN WERT,  
VINTON, WARREN, WASHINGTON, WAYNE,  
WILLIAMS, WOOD, WYANDOT

## **Special Jurisdictional Note :**

### **Details :**

Top Helper: Shall perform the responsibilities of a Helper and be responsible for the setup, break down, safety and quality of the company's product.

Helper : Shall be responsible for performing tasks in refinishing, compliance with safety procedures, setting up and breaking down job sites, scaffolding and swing stages and preparing surfaces for refinishing including but not limited to, masking and stripping and cleaning, oxidizing, polishing and scratch removal on various surfaces

Class A Workers: Less than 1 Year of Service.

Class B Workers: More than 1 and less than 8 Years of Service.

Class C Workers: More than 8 Years of Service.

Metal Polisher Scope of Work: Polishing, buffing, stripping, coloring, lacquering, spraying, cleaning and maintenance of ornamental and architectural metals, iron, bronze, nickel, aluminum and stainless steel and in mental specialty work, various stone finishes, stone specialty work and any other work pertaining to the finishing of metal, stones, woods, and any window washing/cleaning done in conjunction with this work, using chemicals, solvents, coatings and hand applied lacquer thinner, removing scratches from mirror finished metals, burnishing of bronze, statuary finishes on exterior and interior surfaces and the use of all tools required to perform such work, including but not limited to polishes, spray equipment and scaffolding.

Swing State Rate: All work on scaffold 4 sections or higher, including any boom lifts and swing stage scaffolds including the rigging and derigging of hanging/suspended swing stage systems and rappelling/bolson chair work, ADD \$1.50 per hour.

# Prevailing Wage Rate

## Skilled Crafts

Name of Union: Painter Local 639 Zone 1 Sign

Change # : LCN01-2023ibLoc639Zone1Sign

Craft : Painter Effective Date : 07/05/2023 Last Posted : 07/05/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
<b>Classification</b>												
Painter Sign Erector Service/Patteren/Metal Fab/Neon Class A	\$25.38	\$8.41	\$5.57	\$0.25	\$0.76	\$0.00	\$1.06	\$0.00	\$0.00	\$41.43	\$54.12	
Painter Sign Erector/Service/Patteren/Metal Fab/Neon Class B	\$25.38	\$8.41	\$5.57	\$0.25	\$1.51	\$0.00	\$1.06	\$0.00	\$0.00	\$42.18	\$54.87	
Painter Sign Erector/Service/Patteren/Metal Fab/Neon Class C	\$25.38	\$8.41	\$5.57	\$0.25	\$2.27	\$0.00	\$1.06	\$0.00	\$0.00	\$42.94	\$55.63	
Painter Sign Erector/Service/Patteren/Metal Fab/Neon Class D	\$25.38	\$8.41	\$5.57	\$0.25	\$3.03	\$0.00	\$1.06	\$0.00	\$0.00	\$43.70	\$56.39	
Computer Operator, Router, Spray Painter/Wood Class A	\$23.78	\$8.41	\$5.57	\$0.25	\$0.73	\$0.00	\$1.02	\$0.00	\$0.00	\$39.76	\$51.65	
Computer Operator, Router, Spray Painter/Wood Class B	\$23.78	\$8.41	\$5.57	\$0.25	\$1.45	\$0.00	\$1.02	\$0.00	\$0.00	\$40.48	\$52.37	
Computer Operator, Router, Spray Painter/Wood Class C	\$23.78	\$8.41	\$5.57	\$0.25	\$2.18	\$0.00	\$1.02	\$0.00	\$0.00	\$41.21	\$53.10	
Computer Operator, Router, Spray Painter/Wood Class D	\$23.78	\$8.41	\$5.57	\$0.25	\$2.90	\$0.00	\$1.02	\$0.00	\$0.00	\$41.93	\$53.82	
Final Assembly,Helper Class A	\$19.06	\$8.41	\$5.57	\$0.25	\$0.64	\$0.00	\$0.89	\$0.00	\$0.00	\$34.82	\$44.35	
Final Assembly,Helper Class B	\$19.06	\$8.41	\$5.57	\$0.25	\$1.27	\$0.00	\$0.89	\$0.00	\$0.00	\$35.45	\$44.98	
Final Assembly,Helper Class C	\$19.06	\$8.41	\$5.57	\$0.25	\$1.90	\$0.00	\$0.89	\$0.00	\$0.00	\$36.08	\$45.61	
Final Assembly,Helper Class D	\$19.06	\$8.41	\$0.00	\$0.00	\$2.54	\$0.00	\$0.89	\$0.00	\$0.00	\$30.90	\$40.43	
<b>Apprentice</b>	<b>Percent</b>											
1-2000 hrs	50.00	\$12.69	\$8.41	\$5.57	\$0.25	\$0.00	\$0.72	\$0.00	\$0.00	\$27.64	\$33.99	
2001-3000 hrs	55.00	\$13.96	\$8.41	\$5.57	\$0.25	\$0.54	\$0.76	\$0.00	\$0.00	\$29.49	\$36.47	
3001-4000 hrs	60.00	\$15.23	\$8.41	\$5.57	\$0.25	\$0.57	\$0.79	\$0.00	\$0.00	\$30.82	\$38.43	
4001-5000 hrs	65.00	\$16.50	\$8.41	\$5.57	\$0.25	\$1.18	\$0.83	\$0.00	\$0.00	\$32.74	\$40.99	

5001-6000 hrs	70.00	\$17.77	\$8.41	\$5.57	\$0.25	\$1.23	\$0.00	\$0.86	\$0.00	\$0.00	\$34.09	\$42.97
6001-7000 hrs	85.00	\$21.57	\$8.41	\$5.57	\$0.25	\$1.38	\$0.00	\$0.96	\$0.00	\$0.00	\$38.14	\$48.93
7001-8000 hrs	90.00	\$22.84	\$8.41	\$5.57	\$0.25	\$1.43	\$0.00	\$1.00	\$0.00	\$0.00	\$39.50	\$50.92

**Special Calculation Note :** Other is for paid holidays. Apprentice Pay Rate should be based on proper Classification.

**Ratio :**

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHLAND, ASHTABULA, CUYAHOGA,  
GEAUGA, LAKE, MEDINA, PORTAGE,  
RICHLAND, SUMMIT

**Special Jurisdictional Note :**

**Details :**

Class A Worker: More than 1 year but less than 2 years.

Class B Worker: More than 2 years but less than 10 years.

Class C Worker: More than 10 years but less than 20 years.

Class D Worker: More than 20 years

# Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 707

**Change # : LCN02-2024ibLoc707**

**Craft : Painter Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Painter Brush Roll	\$32.35		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$52.15	\$68.32
Paperhanger	\$32.35		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$52.15	\$68.32
Spray Painting	\$33.05		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$52.85	\$69.37
Sandblasting & Buffing	\$32.75		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$52.55	\$68.93
REPAINT Brush Roll & Paperhanger	\$30.85		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$50.65	\$66.07
REPAINT Spray Painting	\$31.55		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$51.35	\$67.12
REPAINT Sandblasting & Buffing	\$31.25		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$51.05	\$66.67
Apprentice - Painter	Percent											
1st Year	65.00	\$21.03	\$9.12	\$1.64	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.24	\$42.75
2nd Year	75.00	\$24.26	\$9.12	\$2.25	\$0.45	\$0.00	\$2.91	\$0.00	\$0.00	\$0.00	\$38.99	\$51.12
3rd Year	85.00	\$27.50	\$9.12	\$2.70	\$0.45	\$0.00	\$3.32	\$0.00	\$0.00	\$0.00	\$43.09	\$56.84
4th Year	95.00	\$30.73	\$9.12	\$3.75	\$0.45	\$0.00	\$3.74	\$0.00	\$0.00	\$0.00	\$47.79	\$63.16

**Special Calculation Note :** Apprentice pay based on percentage of above appropriate classification.

**Ratio :**

1 Apprentice to 1 Journeyman

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE\*, SUMMIT\*

**Special Jurisdictional Note :** Portage & Summit North of the East-West Turnpike.

**Details :**

Application of Catalytic materials under class 3 hazardous per MSDS - .65 per hour above the Job Classification basic hourly rate.

Application of Catalytic materials under class 4 hazardous per MSDS - 1.00 per hour above the Job Classification basic hourly rate.

Repaint: 20% or less of new surfaces.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 707 HvyHwy

**Change # : LCN02-2024ibLoc707HvyHwy**

**Craft : Painter Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Painter Bridge Class 1 Bridge Blaster	\$38.61		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$58.41	\$77.71
Class 2 Bridge Painter, Rigger Containment Builder, Spot Blaster	\$35.61		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$55.41	\$73.21
Class 3 Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mixer, Traffic Control Boat Person, Driver (0-5 Years Exp.)	\$28.61		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$48.41	\$62.71
Class 3 Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mixer, Traffic Control Boat Person, Driver (5 Plus Years Exp.)	\$31.61		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$51.41	\$67.21
Class 4 Concrete Sealing, Concrete Blasting/Power Washing/Etc	\$27.61		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$47.41	\$61.21
Class 5 Quality Control. Quality Assurance, Traffic Safety, Competent Person	\$31.61		\$9.12	\$6.08	\$0.45	\$0.00	\$4.15	\$0.00	\$0.00	\$0.00	\$51.41	\$67.21
<b>Apprentice - Painter</b>	<b>Percent</b>											
1st Year	60.00	\$23.17	\$9.12	\$1.64	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.38	\$45.96
2nd Year	75.00	\$28.96	\$9.12	\$2.25	\$0.45	\$0.00	\$2.91	\$0.00	\$0.00	\$0.00	\$43.69	\$58.17
3rd Year	85.00	\$32.82	\$9.12	\$2.70	\$0.45	\$0.00	\$3.32	\$0.00	\$0.00	\$0.00	\$48.41	\$64.82



**Special Calculation Note :** Apprentice pay based on percentage of above appropriate classification.

**Ratio :**

1 Apprentice to 1 Journeyman

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE\*, SUMMIT\*

**Special Jurisdictional Note :** Portage & Summit North of the East-West Turnpike.

**Details :**

Painter Bridge Class 2 is Defined as; Bridge Painter, Rigger, Containment Builder

Application of Catalytic materials under class 3 hazardous per MSDS - .65 per hour above the Job Classification basic hourly rate.

Application of Catalytic materials under class 4 hazardous per MSDS - 1.00 per hour above the Job Classification basic hourly rate.

\* Concrete Sealing: on highway work, scaling of concrete surfaces, the treating and sealing of bridge decks, the painting and staining of concrete, including the abutments, barricades, noise barriers, lane dividers, etc.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Pipefitter Local 120

Change # : LCN01-2023ibLoc120

Craft : Pipefitter Effective Date : 08/30/2023 Last Posted : 08/30/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Pipefitter	\$45.62		\$12.40	\$11.20	\$1.18	\$0.00	\$3.50	\$0.20	\$0.00	\$0.00	\$74.10	\$96.91
<b>Apprentice</b>	<b>Percent</b>											
1st year	48.79	\$22.26	\$5.45	\$0.00	\$1.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.89	\$40.02
2nd year	50.32	\$22.96	\$11.65	\$6.60	\$1.18	\$0.00	\$0.88	\$0.20	\$0.00	\$0.00	\$43.47	\$54.94
3rd year	58.33	\$26.61	\$11.65	\$6.60	\$1.18	\$0.00	\$0.88	\$0.20	\$0.00	\$0.00	\$47.12	\$60.43
4th year	69.51	\$31.71	\$11.65	\$6.60	\$1.18	\$0.00	\$0.88	\$0.20	\$0.00	\$0.00	\$52.22	\$68.08
5th year	77.36	\$35.29	\$11.65	\$6.60	\$1.18	\$0.00	\$0.88	\$0.20	\$0.00	\$0.00	\$55.80	\$73.45

**Special Calculation Note :** OTHER IS :SUPPLEMENTAL UNEMPLOYMENT BENEFITS

**Ratio :**

1 Journeymen to 1 Apprentice per project  
2-4 Journeymen to 2 Apprentices per project  
5-7 Journeymen to 3 Apprentices per project

3 to 1 on jobs with 9 or more journeymen

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA\*, SUMMIT\*

**Special Jurisdictional Note :** Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of State Route 18 and Smith Road and including work within the corporate limits of the City of Medina.

**Details :**

Under pipefitter duties shall include - steam and hot water heating boilers and related controls such as automatic feedwater and low water cut-offs, safety relief valves and gas trains; steam regulators, traps, steam valves, steam heaters, steam and hot water heating coils; feedwater lines to boilers, condensate pumps, condensate tanks and related piping to boilers, expansion tanks and controls on hot water heating systems; refrigeration and air conditioning systems that are separate from one another and are connected through piping; install, calibrate and maintain pneumatic temperature controls and piping for heating and cooling devices; piping, pumps and controls on the fluent water system in water treatment plants; hose cabinets and automatic fire sprinkler systems; underground water supply piping and devices; all fire stopping of piping systems; to operate a pipe cutting machine, to thread pipe by machine or hand dies; to do oxyacetylene and electric welding on iron and steel pipes when required; to perform other tasks when assigned.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Pipefitter Local 120 Mechanical Equipment

Change # : LCN01-2023ibLoc120

Craft : Pipefitter Effective Date : 08/30/2023 Last Posted : 08/30/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Pipefitter Mechanical Equipment Service A-2	\$34.68		\$12.40	\$11.20	\$1.18	\$0.00	\$3.50	\$0.20	\$0.00	\$0.00	\$63.16	\$80.50
Pipefitter Mechanical Equipment Service A-1	\$31.04		\$12.40	\$11.20	\$1.18	\$0.00	\$3.50	\$0.20	\$0.00	\$0.00	\$59.52	\$75.04
MES Trainees	Percent											
1st year	56.78	\$19.69	\$5.83	\$0.00	\$1.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.70	\$36.55
2nd year	59.77	\$20.73	\$5.83	\$4.30	\$1.18	\$0.00	\$1.75	\$0.20	\$0.00	\$0.00	\$33.99	\$44.35
3rd year	66.09	\$22.92	\$5.83	\$4.30	\$1.18	\$0.00	\$1.75	\$0.20	\$0.00	\$0.00	\$36.18	\$47.64
4th year	76.61	\$26.57	\$5.83	\$4.30	\$1.18	\$0.00	\$1.75	\$0.20	\$0.00	\$0.00	\$39.83	\$53.11
5th year	82.93	\$28.76	\$5.83	\$4.30	\$1.18	\$0.00	\$1.75	\$0.20	\$0.00	\$0.00	\$42.02	\$56.40

**Special Calculation Note :** OTHER IS :SUPPLEMENTAL UNEMPLOYMENT BENEFITS

## Ratio :

3 Journeymen to 1 Apprentice  
2 Intermediate Servicemen to 1 Serviceman  
Trainee per shop

## Jurisdiction ( \* denotes special jurisdictional note ) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,  
MEDINA\*, SUMMIT\*

**Special Jurisdictional Note :** Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of Route 18 and Smith Road and including work within the corporate limits of the City of Medina.

## Details :

Work scope but not limited to:Mechanical Service and Maintenance work normally performed by contractors, either by contracts or emergency call basis, who are equipped to handle all work relating to evacuation, charging, start-up, inspection, operating, maintenance and service call necessary to keep mechanical system and controls of a refrigeration , air conditioning, heating and/or ventilation or any other newly installed,

remodeled, revamped or redesigned mechanical system in operational order; all fire stopping and piping systems. Shall include but not limited to all maintaining, cleaning, adjusting, repairing, overhauling, starting and balancing of any system or component part thereof, regardless of size or location, including all other service and maintenance work assigned to the employer by the customer. Shall also be allowed to do the following installation work: All residential humidifiers and dehumidifiers, all window type units, all residential heating and cooling systems, excluding steam and hot water, and when a building is not new construction, all refrigeration systems up to 20 tons, split air conditioning systems up to 50 tons, and package or self-contained air conditioning units up to 50 tons.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Plasterer Local 526

Change # : LCN01-2023ibLoc526

Craft : Plaster Effective Date : 05/31/2023 Last Posted : 05/31/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Plasterer	\$31.00		\$8.15	\$6.65	\$0.50	\$0.00	\$5.58	\$0.19	\$0.00	\$0.00	\$52.07	\$67.57
<b>Apprentice</b>	<b>Percent</b>											
1st Year	50.00	\$15.50	\$8.15	\$6.65	\$0.50	\$0.00	\$5.58	\$0.19	\$0.00	\$0.00	\$36.57	\$44.32
2nd Year	60.00	\$18.60	\$8.15	\$6.65	\$0.50	\$0.00	\$5.58	\$0.19	\$0.00	\$0.00	\$39.67	\$48.97
3rd Year	75.00	\$23.25	\$8.15	\$6.65	\$0.50	\$0.00	\$5.58	\$0.19	\$0.00	\$0.00	\$44.32	\$55.94
4th Year	90.00	\$27.90	\$8.15	\$6.65	\$0.50	\$0.00	\$5.58	\$0.19	\$0.00	\$0.00	\$48.97	\$62.92

**Special Calculation Note :** Other is for Substance abuse and training.

## Ratio :

1 Journeymen to 1 Apprentice  
3 Journeymen to 1 Apprentice.

## Jurisdiction ( \* denotes special jurisdictional note ) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,  
LORAIN

## Special Jurisdictional Note :

## Details :

# Prevailing Wage Rate Skilled Crafts

Name of Union: **Plumber Local 55**

Change # : **LCN01-2023ibLoc55Plum**

Craft : **Plumber** Effective Date : **05/17/2023** Last Posted : **05/17/2023**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)		
Classification											
Plumber	\$41.11	\$11.87	\$9.63	\$1.23	\$0.00	\$7.10	\$0.05	\$0.00	\$0.00	\$70.99	\$91.54
Shopman (When in the field)	\$22.44	\$8.93	\$5.59	\$0.10	\$0.00	\$3.85	\$0.00	\$0.00	\$0.00	\$40.91	\$52.13
Plumber Light Commercial Journeymen	\$27.24	\$8.58	\$2.28	\$0.69	\$0.00	\$3.58	\$0.05	\$0.00	\$0.00	\$42.42	\$56.04
Apprentice Light Commercial Trainee											
0-3 Months	\$13.84	\$0.00	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14.34	\$21.26
4-6 Months	\$14.05	\$3.44	\$0.00	\$0.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.95	\$24.98
7-12 Months	\$14.22	\$4.13	\$0.33	\$0.63	\$0.00	\$1.13	\$0.00	\$0.00	\$0.00	\$20.44	\$27.55
2nd Year	\$15.50	\$4.18	\$0.35	\$0.65	\$0.00	\$1.20	\$0.00	\$0.00	\$0.00	\$21.88	\$29.63
3rd Year	\$16.76	\$4.22	\$0.36	\$0.68	\$0.00	\$1.28	\$0.00	\$0.00	\$0.00	\$23.30	\$31.68
<b>Apprentice</b>	<b>Percent</b>										
1-6 Months	44.42	\$18.26	\$6.99	\$0.24	\$0.95	\$0.00	\$1.56	\$0.00	\$0.00	\$28.00	\$37.13
7-12 Months	50.90	\$20.92	\$7.16	\$0.44	\$1.00	\$0.00	\$2.01	\$0.05	\$0.00	\$31.58	\$42.05
2nd year 1- 6	54.25	\$22.30	\$7.87	\$0.85	\$1.05	\$0.00	\$3.06	\$0.05	\$0.00	\$35.18	\$46.33
2nd year 7- 12	56.02	\$23.03	\$8.00	\$2.85	\$1.05	\$0.00	\$3.78	\$0.05	\$0.00	\$38.76	\$50.27
3rd year 1-6	63.02	\$25.91	\$8.48	\$2.80	\$1.05	\$0.00	\$4.00	\$0.05	\$0.00	\$42.29	\$55.24
3rd year 7- 12	67.80	\$27.87	\$8.67	\$3.63	\$1.05	\$0.00	\$4.62	\$0.05	\$0.00	\$45.89	\$59.83
4th year	74.07	\$30.45	\$8.87	\$4.07	\$1.05	\$0.00	\$4.98	\$0.05	\$0.00	\$49.47	\$64.70
5th year	80.47	\$33.08	\$9.06	\$4.51	\$1.05	\$0.00	\$5.33	\$0.05	\$0.00	\$53.08	\$69.62

**Special Calculation Note : OTHER IS: SUPPLEMENTAL UNEMPLOYMENT****Ratio :**

1 Journeymen 1 Apprentice

Light Commercial Ratio

1-2 Journeymen to 1 Trainee

3 Journeymen to 2 Trainees

4-5 Journeymen to 3 Trainees

6-8 Journeymen to 4 Trainees

9-10 Journeymen to 5 Trainees

11-13 Journeymen to 6 Trainees

**Jurisdiction ( \* denotes special jurisdictional note ) :**ASHTABULA, CUYAHOGA, GEAUGA, LAKE,  
MEDINA\*, SUMMIT\*

**Special Jurisdictional Note :** Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of Route 18 and Smith Road and the corporate limits of the City of Medina.

**Details :**

The Plumber Shopman will have charge of the Employer's shop and warehouse containing plumbing and heating supplies and equipment, and perform such duties as are customarily required by a Plumber or a Plumber's Shopman, including casual delivery of tools and equipment necessary for installation of Plumbing and Heating facilities. One field shopman per shop may be hired after employing the 1st apprentice, and a second field shopman per shop may be hired after employing the 5th apprentice. These shopmen may work in the field performing primarily non-mechanical work. The plumber shopman's duties do not include the installation of plumbing.

The Plumber Light Commercial Rate can be used for the following: Any private construction project covered by this agreement shall be eligible for designation as a Market Recovery Project (Lt Commercial). The Market Recovery (Lt Commercial) wage rate shall be determined project specific by the business manager. The Market Recovery rate (Lt Commercial) may be utilized on all new, repair, remodeling, alteration, and/or maintenance (interior and exterior) of "Private Enterprise Projects"; including office buildings, service buildings, retail establishments, churches, motels/hotels, and strip shopping centers which fall under this agreement.

# Prevailing Wage Rate Skilled Crafts

Name of Union: **Roofer Local 44**

Change # : **LCN01-2023ibLoc44**

Craft : **Roofer** Effective Date : **04/30/2023** Last Posted : **04/26/2023**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Roofer	\$37.75		\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$58.49	\$77.36
Applicant & Helper Trainees												
0 to 1851 hrs	\$16.99		\$0.50	\$0.50	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$18.49	\$26.98
1852 to 3350 hrs	\$20.76		\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$41.50	\$51.88
3351 to 4850 hrs	\$26.43		\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$47.17	\$60.39
4851 to 6350 hrs	\$30.20		\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$50.94	\$66.04
6351 to 7550 hrs	\$33.98		\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$54.72	\$71.71
7551 hrs	\$37.75		\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$58.49	\$77.36
<b>Apprentice</b>	<b>Percent</b>											
Start of school	50.02	\$18.88	\$0.50	\$0.50	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$20.38	\$29.82
600 hrs worked/72 school hrs	55.00	\$20.76	\$0.50	\$0.50	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$22.26	\$32.64
1200 hrs worked/144 school hrs	60.00	\$22.65	\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$43.39	\$54.71
1800 hrs worked/216 school hrs	65.00	\$24.54	\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$45.28	\$57.55
2400 hrs worked/288 school hrs	70.02	\$26.43	\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$47.17	\$60.39
3000 hrs worked/360 school hrs	75.00	\$28.31	\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$49.05	\$63.21



3600 hrs worked/432 school hrs	80.00	\$30.20	\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$50.94	\$66.04
4200 hrs worked/504 school hrs	90.02	\$33.98	\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$54.72	\$71.71
4800 hrs/576 school hrs	100.00	\$37.75	\$9.39	\$10.85	\$0.44	\$0.00	\$0.00	\$0.06	\$0.00	\$0.00	\$58.49	\$77.36

**Special Calculation Note :** Other is for Drug Testing.

**Ratio :**

2 Journeymen to 1 Apprentice  
1 Applicant/Helper Trainee

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, ERIE, GEAUGA,  
LAKE, LORAIN\*, SANDUSKY

**Special Jurisdictional Note :** Lorain (The Ohio Turnpike North)

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Sheet Metal Local 33 Industrial Door

Change # : LCN01-2023ibLoc33IndustrialDoor

Craft : Sheet Metal Worker Effective Date : 08/02/2023 Last Posted : 08/02/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Sheet Metal Worker	\$25.42		\$8.66	\$5.55	\$0.17	\$0.00	\$2.15	\$0.00	\$0.00	\$0.00	\$41.95	\$54.66
Trainees	Percent											
1st 60 days Probationary Perios	52.00	\$13.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13.22	\$19.83
61st day-12 months	58.00	\$14.74	\$8.66	\$1.92	\$0.17	\$0.00	\$1.41	\$0.00	\$0.00	\$0.00	\$26.90	\$34.28
2nd yr	68.00	\$17.29	\$8.66	\$1.92	\$0.17	\$0.00	\$1.59	\$0.00	\$0.00	\$0.00	\$29.63	\$38.27
3rd yr	73.00	\$18.56	\$8.66	\$1.92	\$0.17	\$0.00	\$1.69	\$0.00	\$0.00	\$0.00	\$31.00	\$40.27
4th yr	80.00	\$20.34	\$8.66	\$1.92	\$0.17	\$0.00	\$1.80	\$0.00	\$0.00	\$0.00	\$32.89	\$43.05
5th yr	86.00	\$21.86	\$8.66	\$1.92	\$0.17	\$0.00	\$1.91	\$0.00	\$0.00	\$0.00	\$34.52	\$45.45

Special Calculation Note :

Ratio :

Jurisdiction ( \* denotes special jurisdictional note ) :

ASHLAND, ASHTABULA, CARROLL, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DEFIANCE, ERIE, FULTON, GEAUGA, HANCOCK, HENRY, HOLMES, HURON, LAKE, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PAULDING, PORTAGE, PUTNAM, RICHLAND, SANDUSKY, SENECA, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, WAYNE, WILLIAMS, WOOD

Special Jurisdictional Note :

Details :

# Prevailing Wage Rate Skilled Crafts

Name of Union: Sheet Metal Local 33 (Cleveland)

**Change # : LCN01-2024ibLoc33Clev**

**Craft : Sheet Metal Worker Effective Date : 05/06/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Sheet Metal Worker	\$43.06		\$8.89	\$17.26	\$1.44	\$0.00	\$3.08	\$0.00	\$0.00	\$0.00	\$73.73	\$95.26
Apprentice	Percent											
1st year	50.00	\$21.53	\$8.89	\$3.09	\$0.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.69	\$44.46
2nd year	54.95	\$23.66	\$8.89	\$3.40	\$1.44	\$0.00	\$3.08	\$0.00	\$0.00	\$0.00	\$40.47	\$52.30
3rd year	59.96	\$25.82	\$8.89	\$3.71	\$1.44	\$0.00	\$3.08	\$0.00	\$0.00	\$0.00	\$42.94	\$55.85
4th year	74.96	\$32.28	\$8.89	\$4.64	\$1.44	\$0.00	\$3.08	\$0.00	\$0.00	\$0.00	\$50.33	\$66.47

**Special Calculation Note :** No special calculations for this skilled craft wage rate are required at this time.

**Ratio :**

- 1 Journeyman to 1 Apprentice
- 2 Journeymen to 1 Apprentice
- 3 Journeymen to 2 Apprentices
- 4 Journeymen to 2 Apprentices
- 5 Journeymen to 3 Apprentices
- 6 Journeymen to 3 Apprentices

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA, CUYAHOGA, GEAUGA, LAKE

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Sprinkler Fitter Local 669

Change # : LCN01-2022sksLoc669

Craft : Sprinkler Fitter Effective Date : 04/06/2022 Last Posted : 04/06/2022

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sprinkler Fitter	\$43.75		\$10.99	\$7.10	\$0.52	\$0.00	\$5.12	\$0.00	\$0.00	\$0.00	\$67.48	\$89.35
Apprentice Indentured after April 1, 2013	Percent											
CILASS 1	45.00	\$19.69	\$7.85	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.06	\$37.90
CLASS 2	50.02	\$21.88	\$7.85	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.25	\$41.20
CLASS 3	54.43	\$23.81	\$10.99	\$7.10	\$0.52	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$43.57	\$55.48
CLASS 4	59.43	\$26.00	\$10.99	\$7.10	\$0.52	\$0.00	\$1.15	\$0.00	\$0.00	\$0.00	\$45.76	\$58.76
CLASS 5	64.43	\$28.19	\$10.99	\$7.10	\$0.52	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$48.20	\$62.29
CLASS 6	69.43	\$30.38	\$10.99	\$7.10	\$0.52	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$50.39	\$65.57
CLASS 7	74.43	\$32.56	\$10.99	\$7.10	\$0.52	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$52.57	\$68.85
CLASS 8	79.42	\$34.75	\$10.99	\$7.10	\$0.52	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$54.76	\$72.13
CLASS 9	84.43	\$36.94	\$10.99	\$7.10	\$0.52	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$56.95	\$75.42
CLASS 10	89.44	\$39.13	\$10.99	\$7.10	\$0.52	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$59.14	\$78.70

## Special Calculation Note :

### Ratio :

1 Journeyman to 1 Apprentice

### Jurisdiction ( \* denotes special jurisdictional note ) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MAHONING, MARION, MEDINA,

MEIGS, MERCER, MIAMI, MONROE,  
MONTGOMERY, MORGAN, MORROW,  
MUSKINGUM, NOBLE, OTTAWA, PAULDING,  
PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE,  
PUTNAM, RICHLAND, ROSS, SANDUSKY,  
SCIOTO, SENECA, SHELBY, STARK, SUMMIT,  
TRUMBULL, TUSCARAWAS, UNION, VAN WERT,  
VINTON, WARREN, WASHINGTON, WAYNE,  
WILLIAMS, WOOD, WYANDOT

### **Special Jurisdictional Note :**

#### **Details :**

Sprinkler Fitter work shall consist of the installation, dismantling, maintenance, repairs, adjustments, and corrections of all fire protection and fire control systems including the unloading, handling by hand, power equipment and installation of all piping or tubing, appurtenances and equipment pertaining thereto, including both overhead and underground water mains, fire hydrants and hydrant mains, standpipes and hose connections to sprinkler systems used in connection with sprinkler and alarm systems. Also all tanks and pumps connected thereto, also included shall be CO-2 and Cardox Systems, Dry Chemical Systems, Foam Systems and all other fire protection systems.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Truck Driver Bldg & HevHwy Class 1  
Locals 20,40,92,92b,100,175,284,438,377,637,908,957**

**Change # : LCN01-2024ibBldgHevHwy**

**Craft : Truck Driver Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Truck Driver CLASS 1 4 wheel service, dump, and batch trucks; drivers on tandems; truck sweepers (not to include power sweepers & scrubbers)	\$31.84		\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.84	\$65.76
Apprentice	Percent											
First 6 months	80.00	\$25.47	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.47	\$56.21
7-12 months	85.00	\$27.06	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.06	\$58.60
13-18 months	90.00	\$28.66	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.66	\$60.98
19-24 months	95.00	\$30.25	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.25	\$63.37
25-30 months	100.00	\$31.84	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.84	\$65.76

**Special Calculation Note :** No special calculations for this skilled craft wage rate are required at this time.

**Ratio :**

3 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA,

COSHOCTON, CRAWFORD, DARKE, DEFIANCE,  
DELAWARE, ERIE, FAIRFIELD, FAYETTE,  
FRANKLIN, FULTON, GALLIA, GREENE,  
GUERNSEY, HAMILTON, HANCOCK, HARDIN,  
HARRISON, HENRY, HIGHLAND, HOCKING,  
HOLMES, HURON, JACKSON, JEFFERSON, KNOX,  
LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS,  
MADISON, MAHONING, MARION, MEDINA,  
MEIGS, MERCER, MIAMI, MONROE,  
MONTGOMERY, MORGAN, MORROW,  
MUSKINGUM, NOBLE, OTTAWA, PAULDING,  
PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE,  
PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO,  
SENECA, SHELBY, STARK, SUMMIT, TRUMBULL,  
TUSCARAWAS, UNION, VAN WERT, VINTON,  
WARREN, WASHINGTON, WAYNE, WILLIAMS,  
WOOD, WYANDOT

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Truck Driver Bldg & HevHwy Class 2  
Locals 20,40,92,92b,100,175,284,438,377,637,908,957**

**Change # : LCN01-2024ibBldgHevHwy**

**Craft : Truck Driver Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Truck Driver CLASS 2 Tractor Trailer-Semi Tractor Trucks; Pole Trailers; Ready Mix Trucks; Fuel Trucks; 5 Axle & Over; Belly Dumps; Low boys - Heavy duty Equipment(irrespective of load carried) when used exclusively for transportation; Truck Mechanics (when needed)	\$32.26		\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.26	\$66.39
Apprentice	Percent											
First 6 months	80.00	\$25.81	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.81	\$56.71
7-12 months	85.00	\$27.42	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.42	\$59.13
13-18 months	90.00	\$29.03	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$47.03	\$61.55
19-24 months	95.00	\$30.65	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.65	\$63.97
25-30 months	100.00	\$32.26	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.26	\$66.39

**Special Calculation Note :** No special calculations for this skilled craft wage rate are required at this time.

**Ratio :**

3 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS,



MADISON, MAHONING, MARION, MEDINA,  
MEIGS, MERCER, MIAMI, MONROE,  
MONTGOMERY, MORGAN, MORROW,  
MUSKINGUM, NOBLE, OTTAWA, PAULDING,  
PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE,  
PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO,  
SENECA, SHELBY, STARK, SUMMIT, TRUMBULL,  
TUSCARAWAS, UNION, VAN WERT, VINTON,  
WARREN, WASHINGTON, WAYNE, WILLIAMS,  
WOOD, WYANDOT

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Truck Driver Bldg & HevHwy Class 3  
Locals 20,40,92,92b,100,175,284,438,377,637,908,957**

**Change # : LCN01-2024ibBldgHevHwy3**

**Craft : Truck Driver Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Truck Driver CLASS 3 Articulated Dump Trucks; Ridge-Frame Rock Trucks; Distributor Trucks)	\$33.26		\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$51.26	\$67.89
Apprentice												
	Percent											
First 6 months	80.00	\$26.61	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.61	\$57.91
7-12 months	85.00	\$28.27	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.27	\$60.41
13-18 months	90.00	\$29.93	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$47.93	\$62.90
19-24 months	94.96	\$31.58	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49.58	\$65.38
25-30 months	100.00	\$33.26	\$8.00	\$9.60	\$0.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$51.26	\$67.89

**Special Calculation Note :** No special calculations for this skilled craft wage rate are required at this time.

**Ratio :**

3 Journeymen to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN,

HARRISON, HENRY, HIGHLAND, HOCKING,  
HOLMES, HURON, JACKSON, JEFFERSON, KNOX,  
LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS,  
MADISON, MAHONING, MARION, MEDINA,  
MEIGS, MERCER, MIAMI, MONROE,  
MONTGOMERY, MORGAN, MORROW,  
MUSKINGUM, NOBLE, OTTAWA, PAULDING,  
PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE,  
PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO,  
SENECA, SHELBY, STARK, SUMMIT, TRUMBULL,  
TUSCARAWAS, UNION, VAN WERT, VINTON,  
WARREN, WASHINGTON, WAYNE, WILLIAMS,  
WOOD, WYANDOT

**Special Jurisdictional Note :**

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 207 OH

Change # : LCN01-2018fbLoc207OH

Craft : Asbestos Worker Effective Date : 08/23/2018 Last Posted : 08/23/2018

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
<b>Classification</b>											
Asbestos Abatement	\$25.50	\$7.25	\$6.45	\$0.65	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$39.92	\$52.67
Trainee	\$16.50	\$7.25	\$1.50	\$0.65	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$25.97	\$34.22

## Special Calculation Note :

### Ratio :

3 Journeymen to 1 Trainee

### Jurisdiction ( \* denotes special jurisdictional note ) :

ADAMS, ASHLAND, ASHTABULA\*, ATHENS, AUGLAIZE, BROWN, BUTLER\*, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARDIN, HARRISON, HIGHLAND, HOCKING, HOLMES, HURON, KNOX, LAKE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MIAMI, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PORTAGE, PREBLE, RICHLAND, ROSS, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN\*, WAYNE

### Special Jurisdictional Note : Butler County:( townships of

Fairfield, Hanover, Liberty, Milford, Morgan, Oxford, Ripley, Ross, StClair, Union & Wayne.) (Lemon & Madison) Warren County: (townships of: Deerfield, Hamilton, Harlan, Salem, Union & Washington). ( Clear Creek, Franklin, Mossie, Turtle Creek & Wayney). Ashtabula County: (post offices & townships of Ashtabula, Austinburg, Geneva, Harperfield, Jefferson, Plymouth & Saybrook) (townships of Andover, Cherry Valley, Colbrook, Canneaut, Denmark, Dorset, East Orwell, Hartsgrove, Kingville, Lenox, Monroe, Morgan, New Lyme, North Kingsville, Orwell, Pierpoint, Richmond Rock Creek, Rome, Sheffield, Trumbull, Wayne, Williamsfield & Windsor) Erie County: (post offices & townships of Berlin, Berlin Heights, Birmingham, Florence, Huron, Milan, Shinrock & Vermillion)

**Details :**

Asbestos & lead paint abatement including, but not limited to the removal or encapsulation of asbestos & lead paint, all work in conjunction with the preparation of the removal of same & all work in conjunction with the clean up after said removal. The removal of all insulation materials, whether they contain asbestos or not, from mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) is recognized as being the exclusive work of the Asbestos Abatement Workers.

On all mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) that are going to be demolished, the removal of all insulating materials whether they contain asbestos or not shall be the exclusive work of the Laborers.

An Abatement Journeyman is anyone who has more than 300 hours in the Asbestos Abatement field.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Asbestos Local 3 Heat & Frost Insulators**

**Change # : LCN01-2023ibLoc3**

**Craft : Asbestos Worker Effective Date : 10/04/2023 Last Posted : 10/04/2023**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Asbestos Insulation Worker	\$41.58		\$15.30	\$10.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$67.38	\$88.17
Fire Stop Specialist	\$41.58		\$15.30	\$10.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$67.38	\$88.17
Fire Stop Technician	\$34.35		\$15.30	\$4.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$53.90	\$71.07
<b>Apprentice Percent</b>												
1st year	49.32	\$20.51	\$15.30	\$1.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.81	\$47.06
2nd year	63.12	\$26.25	\$15.30	\$2.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.55	\$56.67
3rd year	68.82	\$28.62	\$15.30	\$3.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.92	\$61.22
4th year	82.60	\$34.35	\$15.30	\$4.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$53.65	\$70.82

**Special Calculation Note :** There are no special calculations for this classification.

**Ratio :**

3 Journeymen to 1 Apprentice per shop

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHLAND, ASHTABULA\*, CARROLL, COLUMBIANA, COSHOCTON, CUYAHOGA, ERIE\*, GEauga, HARRISON, HOLMES, HURON, LAKE, LORAIN, MAHONING, MEDINA, PORTAGE, RICHLAND, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, WAYNE

**Special Jurisdictional Note :** Ashtabula (the townships of Ashtabula, Austinburg, Geneva, Jefferson, Plymouth & Saybrook), The remainder of Ashtabula County will be considered open counties on a 90 day basis automatically renewable unless revoked by the Union upon 15 day written notice by the employers. Erie (to Sandusky limits)

**Details :**

Mechanics & apprentices engaged in the manufacture, fabrication, assembling, molding, handling, erection, spraying, pouring, mixing, hanging, clean-up, preparation, application, adjusting, alteration, repairing, dismantling, reconditioning, testing & maintenance of Heat & Frost Insulation such as Magnesia, Asbestos, Hair Felt, Wool Felt, Cork, Mineral Wool, Infusorial Earth, Mercerized Silk, Flax, Fiber, Fire Felt, Asbestos Paper, Asbestos Curtain, Asbestos Millboard, Fiberglass, Foam glass, Styrofoam, Polyurethane, fire stopping, smoke stopping, all recyclable material, soundproofing, all penetrations, any flexible or rigid fireproofing, all jacketing systems including metal, lead, and PVC or other material.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Asbestos Local 84 Heat & Frost Insulators**

**Change # : LCN02-2023ibLoc84**

**Craft : Asbestos Worker Effective Date : 10/04/2023 Last Posted : 10/04/2023**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Asbestos Insulation Worker	\$35.52		\$8.15	\$9.65	\$0.36	\$0.00	\$6.59	\$0.24	\$0.00	\$0.00	\$60.51	\$78.27
<b>Apprentice</b>	<b>Percent</b>											
1st Year	50.00	\$17.76	\$8.15	\$9.65	\$0.36	\$0.00	\$6.59	\$0.24	\$0.00	\$0.00	\$42.75	\$51.63
2nd Year	60.00	\$21.31	\$8.15	\$9.65	\$0.36	\$0.00	\$6.59	\$0.24	\$0.00	\$0.00	\$46.30	\$56.96
3rd Year	70.00	\$24.86	\$8.15	\$9.65	\$0.36	\$0.00	\$6.59	\$0.24	\$0.00	\$0.00	\$49.85	\$62.29
4th Year	80.00	\$28.42	\$8.15	\$9.65	\$0.36	\$0.00	\$6.59	\$0.24	\$0.00	\$0.00	\$53.41	\$67.61

**Special Calculation Note :** Other is Industry and Labor Management Fund

**Ratio :**

3 Journeymen to 1 Apprentice per shop

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHLAND, ASHTABULA\*, CARROLL, COLUMBIANA, COSHOCTON, HARRISON, HOLMES, MAHONING, MEDINA, PORTAGE, RICHLAND, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, WAYNE

**Special Jurisdictional Note :** Ashtabula County: except for the townships of Ashtabula, Austinburg, Geneva, Harpersfield, Jefferson, Plymouth and Saybrook.

**Details :**

The removal of all insulation materials, whether they contain asbestos or not, from mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) is recognized as being the exclusive work of the Asbestos Workers. On all mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) that are going to be demolished, the removal of all insulating materials whether they contain asbestos or not shall be the exclusive work of the Laborers.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide HevHwy

**Change # : LCN01-2024ibCementHevHwy**

**Craft : Cement Mason Effective Date : 05/01/2024 Last Posted : 05/01/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Cement Mason	\$34.74		\$8.80	\$7.65	\$0.75	\$0.00	\$2.25	\$0.07	\$0.00	\$0.00	\$54.26	\$71.63
Apprentice	Percent											
1st Year	70.00	\$24.32	\$8.80	\$7.65	\$0.75	\$0.00	\$2.25	\$0.07	\$0.00	\$0.00	\$43.84	\$56.00
2nd Year	80.00	\$27.79	\$8.80	\$7.65	\$0.75	\$0.00	\$2.25	\$0.07	\$0.00	\$0.00	\$47.31	\$61.21
3rd Year	90.00	\$31.27	\$8.80	\$7.65	\$0.75	\$0.00	\$2.25	\$0.07	\$0.00	\$0.00	\$50.79	\$66.42
4th Year	95.00	\$33.00	\$8.80	\$7.65	\$0.75	\$0.00	\$3.25	\$0.07	\$0.00	\$0.00	\$53.52	\$70.02

**Special Calculation Note :** Other \$0.07 is for International Training Fund  
 4th Year Apprentice Rate (95%) is only applicable to the jurisdiction of Local 404, this includes Ashtabula, Cuyahoga, Geauga, Lake, and Lorain counties.

**Ratio :**

1 Journeymen to 1 Apprentice  
 2 to 1 thereafter

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ADAMS, ALLEN, ASHLAND, ASHTABULA\*, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA\*, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON\*, GALLIA, GEAUGA\*, GREENE, GUERNSEY, HAMILTON, HANCOCK\*, HARDIN, HARRISON, HENRY\*, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE\*, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS\*, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM\*, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD\*, WYANDOT



**Special Jurisdictional Note :** (A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site, Heavy Construction, Airport Construction Or Railroad Construction Work, Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work, Pollution Control, Sewer Plant, Waste & Water Plant, Water Treatment Facilities Construction.

\*For Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work, Pollution Control, Sewer Plant, Waste & Water Plant, Water Treatment Facility Construction work in the following Counties: Ashtabula, Cuyahoga, Fulton, Geauga, Hancock, Henry, Lake, Lucas, Putnam and Wood Counties, those counties will use the Cement Mason Statewide Heavy Highway Exhibit B District 1 Wage Rate.

**Details :**

This rate replaces the previous Cement Mason Heavy Highway Statewide Rates (Exhibit A and Exhibit B rates), except for Cement Mason Statewide Heavy Highway Exhibit B Dist 1. sks

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 573 Inside**

**Change # : LCN02-2023ibLoc573in**

**Craft : Electrical Effective Date : 11/27/2023 Last Posted : 11/22/2023**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
<b>Classification</b>												
Electrician	\$40.40		\$8.28	\$7.42	\$0.93	\$0.00	\$4.24	\$1.21	\$0.00	\$0.00	\$62.48	\$82.68
<b>Apprentices</b>	<b>Percent</b>											
1st period	45.00	\$18.18	\$8.28	\$0.00	\$0.93	\$0.00	\$0.00	\$0.55	\$0.00	\$0.00	\$27.94	\$37.03
2nd period	50.00	\$20.20	\$8.28	\$0.00	\$0.93	\$0.00	\$0.00	\$0.61	\$0.00	\$0.00	\$30.02	\$40.12
3rd period	55.00	\$22.22	\$8.28	\$4.08	\$0.93	\$0.00	\$2.33	\$0.67	\$0.00	\$0.00	\$38.51	\$49.62
4th period	60.00	\$24.24	\$8.28	\$4.45	\$0.93	\$0.00	\$2.55	\$0.73	\$0.00	\$0.00	\$41.18	\$53.30
5th Period	65.00	\$26.26	\$8.28	\$4.82	\$0.93	\$0.00	\$2.76	\$0.79	\$0.00	\$0.00	\$43.84	\$56.97
6th period	70.00	\$28.28	\$8.28	\$5.20	\$0.93	\$0.00	\$2.97	\$0.85	\$0.00	\$0.00	\$46.51	\$60.65
7th period	75.00	\$30.30	\$8.28	\$5.57	\$0.93	\$0.00	\$3.18	\$0.91	\$0.00	\$0.00	\$49.17	\$64.32
8th period	80.00	\$32.32	\$8.28	\$5.94	\$0.93	\$0.00	\$3.39	\$0.97	\$0.00	\$0.00	\$51.83	\$67.99
9th period	85.00	\$34.34	\$8.28	\$6.31	\$0.93	\$0.00	\$3.61	\$1.03	\$0.00	\$0.00	\$54.50	\$71.67
10th period	90.00	\$36.36	\$8.28	\$6.68	\$0.93	\$0.00	\$3.82	\$1.09	\$0.00	\$0.00	\$57.16	\$75.34

**Special Calculation Note :** Other is National Electrical Benefit Fund.

**Ratio :**

1 Journeymen to 3 Apprentice  
4 Journeymen to 6 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA\*, GEAUGA\*, MAHONING\*,  
PORTAGE\*, TRUMBULL\*

**Special Jurisdictional Note :** In Ashtabula County the following townships are included: (Colebrook, Wayne, Williamsfield, Orwell and Windsor). In Geauga County the following townships are included: (Auburn, Middlefield, Parkman and Troy). In Mahoning County the following township is included: (Milton). In Portage County the following townships are included: (Charlestown, Edinburg, Freedom, Hiram, Nelson, Palmyra, Paris and Windham). In Trumbull County the following townships are excluded: (Liberty and Hubbard).

**Details :**

Other: National Electrical Benefit Fund

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 573 Lt Commercial**

**Change # : LCN01-2024ibLoc573in**

**Craft : Electrical Effective Date : 01/31/2024 Last Posted : 01/31/2024**

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrician	\$40.40	\$8.28	\$7.42	\$0.93	\$0.00	\$4.24	\$1.21	\$0.00	\$0.00	\$62.48	\$82.68
CE-3 12,001- 14,000 Hrs	\$28.89	\$6.67	\$0.87	\$0.88	\$0.00	\$0.00	\$0.87	\$0.00	\$0.10	\$38.28	\$52.73
CE-2 10,001- 12,000 Hrs	\$22.70	\$6.67	\$0.68	\$0.88	\$0.00	\$0.00	\$0.68	\$0.00	\$0.10	\$31.71	\$43.06
CE-1 8,001- 10,000 Hrs	\$20.64	\$6.67	\$0.62	\$0.88	\$0.00	\$0.00	\$0.62	\$0.00	\$0.10	\$29.53	\$39.85
CW-4 6,001- 8,000 Hrs	\$18.57	\$6.67	\$0.56	\$0.88	\$0.00	\$0.00	\$0.56	\$0.00	\$0.10	\$27.34	\$36.63
CW-3 4,001- 6,000 Hrs	\$16.51	\$6.67	\$0.50	\$0.88	\$0.00	\$0.00	\$0.50	\$0.00	\$0.10	\$25.16	\$33.42
CW-2 2,001- 4,000 Hrs	\$15.48	\$6.67	\$0.46	\$0.88	\$0.00	\$0.00	\$0.46	\$0.00	\$0.10	\$24.05	\$31.79
CW-1 0- 2,000 Hrs	\$14.44	\$6.67	\$0.43	\$0.88	\$0.00	\$0.00	\$0.43	\$0.00	\$0.10	\$22.95	\$30.17

**Special Calculation Note :** Other is National Electrical Benefit Fund and \*Misc is Administrative Collection Fee.

**Ratio :**

Construction Electrician and Construction Wireman Ratio

There shall be a minimum ratio of one inside Journeyman Wireman to every (4) employees of different classification per jobsite. An Inside Journeyman Wireman is required on the project as the fifth (5th) worker or when apprentices are used.

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA\*, GEAUGA\*, MAHONING\*, PORTAGE\*, TRUMBULL\*

**Special Jurisdictional Note :** In Ashtabula County the following townships are included: (Colebrook, Wayne, Williamsfield, Orwell and Windsor). In Geauga County the following townships are included: (Auburn, Middlefield, Parkman and Troy). In Mahoning County the following township is included: (Milton). In Portage County the following townships are included: (Charlestown, Edinburg, Freedom, Hiram, Nelson, Palmyra, Paris and Windham). In Trumbull County the following townships are excluded: (Liberty and Hubbard).

Scope of Work for the Lt. Commercial Rate is as follows: Small medical clinics, stand-alone doctor and dentist offices with up to 600 amp services (not attached to a hospital), Gas Stations/Convenience stores, fast food restaurants, franchised chain restaurants including independent bars and taverns, places of worship, funeral homes, Nursing homes, assisted living facilities and day-care facilities under 15,000 sq ft, small office, retail/wholesale facilities under 15,000 sq ft with less than 10 units attached, storage units, car washes, express hotels and motels (4 stories or less) without conference or restaurant facilities, residential units (subject to Davis Bacon Rates) small stand-alone manufacturing facilities when free standing and not part of a larger facility (less than 15,000 sq ft) solar projects (500 panels or less) unless otherwise covered under the agreement, lighting retrofits (when not associated with the remodels involving branch re-circuiting) Lighting Retrofits - shall be defined as the changing of lamps and ballasts in existing light fixtures and shall also include the one of one replacement of existing fixtures.

**Details :**

# Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 573 Voice Data Video

Change # : LCN02-2023ibLoc573VDV

Craft : Voice Data Video Effective Date : 09/06/2023 Last Posted : 09/06/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrical Installer Technician	\$27.40		\$7.35	\$2.60	\$0.25	\$0.00	\$1.10	\$0.82	\$0.00	\$0.00	\$39.52	\$53.22
Cable Puller	\$14.52		\$7.35	\$0.00	\$0.25	\$0.00	\$0.00	\$0.44	\$0.00	\$0.00	\$22.56	\$29.82
Cable Technician	\$19.18		\$7.35	\$1.82	\$0.25	\$0.00	\$0.00	\$0.58	\$0.00	\$0.00	\$29.18	\$38.77
Apprentice	Percent											
1st 750 hours	55.00	\$15.07	\$7.35	\$1.43	\$0.25	\$0.00	\$0.60	\$0.45	\$0.00	\$0.00	\$25.15	\$32.69
2nd 750 hours	65.00	\$17.81	\$7.35	\$1.69	\$0.25	\$0.00	\$0.71	\$0.53	\$0.00	\$0.00	\$28.34	\$37.25
3rd 750 hours	75.00	\$20.55	\$7.35	\$1.95	\$0.25	\$0.00	\$0.82	\$0.62	\$0.00	\$0.00	\$31.54	\$41.82
4th 750 hours	80.00	\$21.92	\$7.35	\$2.08	\$0.25	\$0.00	\$0.88	\$0.66	\$0.00	\$0.00	\$33.14	\$44.10
5th 750 hours	85.00	\$23.29	\$7.35	\$2.21	\$0.25	\$0.00	\$0.93	\$0.70	\$0.00	\$0.00	\$34.73	\$46.38
6th 750 hours	90.00	\$24.66	\$7.35	\$2.34	\$0.25	\$0.00	\$0.99	\$0.74	\$0.00	\$0.00	\$36.33	\$48.66

**Special Calculation Note :** OTHER: IS NATIONAL ELECTRIC BENEFIT FUND

**Ratio :**

1 Journeyman to 1 Apprentice

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA\*, GEAUGA\*, MAHONING\*, PORTAGE\*, TRUMBULL\*

**Special Jurisdictional Note :** In Ashtabula County the following townships are included: (Colebrook, Wayne, Williamsfield, Orwell and Windsor). In Geauga County the following townships are included: (Auburn, Middlefield, Parkman and Troy). In Mahoning County the following township is included: (Milton). In Portage County the following townships are included: (Charlestown, Edinburg, Freedom, Hiram, Nelson, Palmyra, Paris and Windham). In Trumbull County the following townships are excluded: (Liberty and Hubbard).

**Details :**

An employee who is required to wear a pager after hours will receive an additional 1.00 per hour for all hours worked.

Vacation: 1 week for 1 year  
2 weeks for 2 years or more

Holidays: Memorial Day - Fourth of July - Labor Day - Thanksgiving Day - Christmas Day -  
New Years Day

The following work is excluded from the Teledata Technician work scope:

The installation of computer systems in industrial applications such as assembly lines, robotics, computer controller manufacturing systems.

The installation of conduit and/ or raceways shall be installed by Inside Wireman . On sites where there is no Inside Wireman employed, the Teledata Technician may install raceway, or conduit not greater than 10 ft.

Fire Alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit

All HVAC control work.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 673 Inside

**Change # : LCN01-2024ibLoc673in**

**Craft : Electrical Effective Date : 02/07/2024 Last Posted : 02/07/2024**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrician	\$37.38		\$7.49	\$10.10	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$61.13	\$79.82
Apprentice	Percent											
1st Period	45.00	\$16.82	\$7.49	\$0.50	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.51	\$33.92
2nd Period	50.00	\$18.69	\$7.49	\$0.56	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.44	\$36.79
3rd Period	55.00	\$20.56	\$7.49	\$0.59	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$43.80	\$54.08
4th Period	65.00	\$24.30	\$7.49	\$0.70	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$47.65	\$59.80
5th Period	75.00	\$28.04	\$7.49	\$0.82	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$51.51	\$65.52
6th Period	85.00	\$31.77	\$7.49	\$0.93	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$55.35	\$71.24

**Special Calculation Note :** Pension calculation for journeymen shall be \$8.98 per hour paid plus 3% of gross. Pension calculation for Apprentices is equal to 3% for first two years. No deduction for Annuity or Pension at first an second period Apprentice

**Ratio :**

The first person assigned to a job site shall be a Journeyman Wireman. Each job site shall be allowed a ratio of 2 Apprentice for every 3 Journeymen Wireman or fraction thereof:  
 1 to 3 Journeymen to 2 Apprentices  
 4 to 6 Journeymen to 4 Apprentices  
 7 to 9 Journeymen to 6 Apprentices

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA\*, GEAUGA\*, LAKE

**Special Jurisdictional Note :** The following townships In Ashtabula County are EXCLUDED: Orwell, Colebrook, Williamsfield, Wayne and Windsor.

In Geauga County the following townships are INCLUDED: Burton, Chardon, Claridon, Hambden, Huntsburg, Montville, Munson, Newbury and Thompson.

**Details :**

High Pay: 45 feet above ground or floor shall be paid \$2.00 over Journeyman Scale. If required to climb on steel, potain crane, etc., that is High Time.

NOTE: If approved scaffolding with handrails, toe boards, netting, bucket trucks, JLG, decks with proper handrails are used No High Time Shall be paid.

# Prevailing Wage Rate Skilled Crafts

**Name of Union: Electrical Local 673 Inside Lt Commercial Northern**

**Change # : LCN01-2023ibLoc673inLtCom**

**Craft : Electrical Effective Date : 06/07/2023 Last Posted : 06/07/2023**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrician	\$37.55		\$7.32	\$10.10	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$61.13	\$79.90
Welder	\$41.31		\$7.32	\$10.10	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$64.89	\$85.54
CE-3 12,001- 14,000 Hrs	\$27.59		\$6.51	\$0.83	\$0.82	\$0.00	\$0.83	\$0.10	\$0.00	\$0.00	\$36.68	\$50.47
CE-2 10,001- 12,000 Hrs	\$21.68		\$6.51	\$0.65	\$0.82	\$0.00	\$0.65	\$0.10	\$0.00	\$0.00	\$30.41	\$41.25
CE-1 8,001- 10,000 Hrs	\$19.71		\$6.51	\$0.59	\$0.82	\$0.00	\$0.59	\$0.10	\$0.00	\$0.00	\$28.32	\$38.18
CW-4 6,001- 8,000 Hrs	\$17.74		\$6.51	\$0.53	\$0.82	\$0.00	\$0.53	\$0.10	\$0.00	\$0.00	\$26.23	\$35.10
CW-3 4,001- 6,000 Hrs	\$15.77		\$6.51	\$0.47	\$0.82	\$0.00	\$0.47	\$0.10	\$0.00	\$0.00	\$24.14	\$32.03
CW-2 2,001- 4,000 Hrs	\$14.78		\$6.51	\$0.44	\$0.82	\$0.00	\$0.44	\$0.10	\$0.00	\$0.00	\$23.09	\$30.48
CW-1 0- 2,000 Hrs	\$13.80		\$6.51	\$0.41	\$0.82	\$0.00	\$0.41	\$0.10	\$0.00	\$0.00	\$22.05	\$28.95
<b>Apprentice</b>	<b>Percent</b>											
1st Period	45.00	\$16.90	\$7.32	\$0.50	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.42	\$33.87
2nd Period	50.02	\$18.78	\$7.32	\$0.56	\$0.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.36	\$36.75
3rd Period	55.00	\$20.65	\$7.32	\$0.59	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$43.72	\$54.05
4th Period	65.00	\$24.41	\$7.32	\$0.71	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$47.60	\$59.80
5th Period	75.00	\$28.16	\$7.32	\$0.82	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$51.46	\$65.54
6th Period	85.00	\$31.92	\$7.32	\$0.93	\$0.70	\$0.00	\$5.46	\$0.00	\$0.00	\$0.00	\$55.33	\$71.29

**Special Calculation Note : Other is Central Collection.**



**Ratio :**

Each job site shall be allowed a ratio of  
 2 Apprentice for every 3  
 Journeymen Wireman or fraction thereof:  
 1 to 3 Journeymen to 2 Apprentices  
 4 to 6 Journeymen to 4 Apprentices  
 7 to 9 Journeymen to 6 Apprentices

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA\*, GEAUGA\*, LAKE

Construction Electrician and Construction Wireman  
 Ratio

There shall be a minimum ratio of one inside  
 Journeyman Wireman to every (4) employees of  
 different classifications per jobsite. An Inside  
 Journeyman Wireman is required on the project as the  
 fifth (5th) worker or when apprentices are used

**Special Jurisdictional Note :** The following townships In Ashtabula County are EXCLUDED:  
 Orwell, Colebrook, Williamsfield, Wayne and Windsor.

In Geauga County the following townships are INCLUDED: Burton, Chardon, Claridon, Hambden,  
 Huntsburg, Montville, Munson, Newbury and Thompson.

The scope of work for the light commercial agreement shall apply to the following small medical clinics, stand-alone doctor and dentist offices with up to 600 amp service (not attached to a hospital), gas stations/convenience stores, fast food restaurants and franchised chain restaurants including independent bars and taverns, places of worship, funeral homes, nursing homes, assisted living facilities and day-care facilities under 15,000 sq ft, small office, retail/wholesale facilities under 15,000 sq ft with less than 10 units attached, storage units, car washes, express hotels and motels (4 stories or less) without conference or restaurants facilities, residential units (subject to Davis Bacon Rates) small stand-alone manufacturing facilities when free standing and not part of a larger facility (less than 15,000 sq ft) solar projects (500 panels or less) unless otherwise covered under this agreement, lighting retrofits (when not associated with remodels involving branch re-circuiting) Lighting retrofits shall be defined as the changing of lamps and ballasts in existing light fixtures and shall also include the one for one replacement of existing fixtures.

**Details :**

High Pay: 45 feet above ground or floor shall be paid \$2.00 over Journeyman Scale.  
 If required to climb on steel, potain crane, etc., that is High Time.

NOTE: If approved scaffolding with handrails, toe boards, netting, bucket trucks, JLG, decks with proper handrails are used No High Time Shall be paid.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 673 Voice Data Video

Change # : LCN01-2023ibLoc673VDV

Craft : Voice Data Video Effective Date : 06/14/2023 Last Posted : 06/14/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrical Installer Technician	\$28.95		\$10.98	\$0.87	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$42.86	\$57.34
Communication Technician	\$30.20		\$10.98	\$0.91	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$44.15	\$59.25
Senior Technician	\$31.17		\$10.98	\$0.93	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$45.14	\$60.73
Security Tech Level I	\$28.95		\$10.98	\$0.87	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$42.86	\$57.34
Security Tech Level II	\$30.20		\$10.98	\$0.91	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$44.15	\$59.25
Security Tech Level III	\$31.17		\$10.98	\$0.93	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$45.14	\$60.73
Audio Visual Tech Level I	\$28.95		\$10.98	\$0.87	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$42.86	\$57.34
Audio Visual Tech Level II	\$30.20		\$10.98	\$0.91	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$44.15	\$59.25
Audio Visual Tech Level III	\$31.17		\$10.98	\$0.93	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$45.14	\$60.73
Apprentice	Percent											
1st 6 Months	55.00	\$15.92	\$10.98	\$0.48	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$29.44	\$37.40
2nd 6 Months	65.00	\$18.82	\$10.98	\$0.56	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$32.42	\$41.83
2nd Year	75.00	\$21.71	\$10.98	\$0.65	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$35.40	\$46.26
3rd Year	80.00	\$23.16	\$10.98	\$0.69	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$36.89	\$48.47
4th Year	85.00	\$24.61	\$10.98	\$0.74	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$38.39	\$50.69
5th Year	90.00	\$26.05	\$10.98	\$0.78	\$0.70	\$0.00	\$1.36	\$0.00	\$0.00	\$0.00	\$39.88	\$52.90

**Special Calculation Note :** No special calculations for this skilled craft wage rate are required at this time.

**Ratio :**

1 to 3 Journeyman to 2 Apprentice  
4 to 6 Journeyman to 4 Apprentice  
7 to 9 Journeyman to 6 Apprentices

**Jurisdiction ( \* denotes special jurisdictional note ) :**

ASHTABULA\*, GEAUGA\*, LAKE

**Special Jurisdictional Note :** In Ashtabula County the following townships are excluded: (Orwell, Colebrook, Williamsfield, Wayne and Windsor). In Geauga County the following townships are included: (Burton, Chardon, Claridon, Hambden, Huntsburg, Montville, Munson, Newbury and Thompson)

**Details :**

The following work is EXCLUDED from the Teledata Technician work scope:

The installation of computer systems in industrial applications such as assembly lines, robotics, computer controller manufacturing systems.

The installation of conduit and/ or raceways shall be installed by Inside Wireman . On sites where there is no Inside Wireman employed, the Teledata Technician may install raceway, or conduit not greater then 10 ft.

Fire Alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit  
All HVAC control work.

\*Installer Technician: Successful completion of the Installer/Technician Apprenticeship Program or have been certified by the IBEW/NECA Joint Apprenticeship and Training Program as an Installer/Technician.

\*Communications Technician: At least 2 years experience as a Installer/Technician and a minimum of 12 hours continuous related education or have been certified by an IBEW/NECA Joint Apprenticeship Training Program as a Communication Technician.

# Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 207

Change # : LCN01-2023ibLoc207

Craft : Ironworker Effective Date : 06/01/2023 Last Posted : 05/31/2023

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Ironworker	\$33.00		\$7.35	\$9.76	\$1.00	\$0.00	\$6.54	\$2.51	\$0.00	\$0.00	\$60.16	\$76.66
Layout Man and Sheeter	\$34.00		\$7.35	\$9.76	\$1.00	\$0.00	\$6.54	\$2.51	\$0.00	\$0.00	\$61.16	\$78.16
Apprentice	Percent											
1st Year	65.00	\$21.45	\$7.35	\$9.76	\$1.00	\$0.00	\$0.00	\$2.51	\$0.00	\$0.00	\$42.07	\$52.79
2nd Year	75.00	\$24.75	\$7.35	\$9.76	\$1.00	\$0.00	\$0.00	\$2.51	\$0.00	\$0.00	\$45.37	\$57.75
3rd Year	85.00	\$28.05	\$7.35	\$9.76	\$1.00	\$0.00	\$5.23	\$2.51	\$0.00	\$0.00	\$53.90	\$67.93
4th Year	95.00	\$31.35	\$7.35	\$9.76	\$1.00	\$0.00	\$5.89	\$2.51	\$0.00	\$0.00	\$57.86	\$73.54

**Special Calculation Note :** OTHER IS MEDICAL SAVINGS ACCOUNT/OUT OF POCKET MEDICAL EXPENSES: V.E.B.A.

## Ratio :

4 Journeymen to 1 Apprentice

When 7 Journeymen are employed by a Contractor, the 8th person must be an Apprentice.

4 Journeymen to 1 Apprentice thereafter  
2 Journeymen to 1 Apprentice (Ornamental work)  
2 Journeyman to 1 Apprentice (Spining of cables/Suspension Bridges)

## Jurisdiction ( \* denotes special jurisdictional note ) :

ASHTABULA\*, COLUMBIANA\*, MAHONING, PORTAGE\*, TRUMBULL

## Special Jurisdictional Note :

Portage County shall be as follows:  
Hiram College and Ravenna Arsenal, the part of Portage County East of a line from Middlefield to Shalersville to Deerfield. South of Route 6, starting at the Geauga County Line, proceeding East to State Route 11 on the East boundary and South of Interstate Route 90 to the Pennsylvania line.

Ashtabula County: All territory from the Geauga county line on the West boundary South of State Route 6 and East of State Route 11 and South of Interstate Route 90 to the Pennsylvania line.

Columbiana County: All territory east of a line from a point one (1) mile West of the intersection of Rt 224 and Rt 14 at Deerfield Circle, Deerfield, Ohio to a point where Columbiana County Rt 776 intersects with Columbian-Jefferson County line.

**Details :**

Reinforcing Iron Work Classification including but not limited to: all work in connection with field fabrication, handling (including loading and off-loading), sorting, cutting, bending, hoisting, placing, burning, welding and tying or securing of all materials used to reinforce concrete: all sizes and types of reinforcing steel (including composite material) wire mesh, hoops and stirrups, including mechanical splicing on reinforcing steel bar. The unloading, hoisting, placing and tying of all post tensioning cables. Also, wrecking of cores, wedging of the tendons, stressing, cutting and repairing. Structural Iron Work but not limited to: field fabrication, all loading to and including the erecting, rigging, assembly, dismantling, placing, temporary and permanent securing by any means of all structural iron, steel, ornamental lead, bronze, brass, copper, aluminum, glass all ferrous and non-ferrous metal and composite material, pre-cast, pre-stressed and post-stressed concrete structures. Bridges and bridge rails, bridge viaducts, bucks, bulkheads, bumper and bumper post, canopies and uni-strut canopies, corrugated ferrous and non-ferrous sheets when attached to steel frames, columns, beams, bar joists, trusses, girders, roof decking, electrical supports, elevator cars, elevator fronts and enclosures, erection of steel towers, flag poles, gymnasium equipment, stadium and arena seating, jail cell work, jail cell beds, benches, bunks, chairs, tables, mirrors, jail cell access doors, rigging and installation of machinery and equipment erecting, aligning, anchoring and dismantling, erection and dismantling of tower cranes, derrick monorail systems, chicago booms, overhead cranes, gantries, material and personnel hoists, tanks, hoppers and conveyors. All pre-engineered metal buildings in their entirety which includes but not limited to erection, siding, roofing, gutters, insulation and downspouts.

Ornamental Iron Work but not limited to: all work in connection with field fabrication, handling including loading and off-loading, sorting, cutting, fastening, anchoring, bending, hoisting, placing, burning, welding and tying, dismantling of all materials used in miscellaneous iron or steel, from stairs, hand railings, rolling doors, rolling gates, rolling shutters, fence, windows, curtain wall, erection and welding of all metal, sash, architectural and ornamental treatments, but not necessarily limited to all sizes and types of ornamental, steel, iron, lead, bronze, brass, copper, aluminum, all ferrous and non-ferrous metals and composite materials.

Fence Erector Iron Worker but not limited to: All work in connection with the field fabrication and erection of chain link fence, which includes but not limited to the loading and of the fence fabric and posts also the installation of the above.

## **GENERAL CONDITIONS OF THE CONTRACT**

1. For those conditions not addressed in this document, please refer to the latest edition of AIA Document A 201 published by the American Institute of Architects, entitled “GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION,” as hereinafter amended and supplemented, shall apply to all branches of work and such document, amendments, and supplements are hereby identified as part of all contracts. All bidders must familiarize themselves with such documents.
2. Should any discrepancy occur between these general requirements and AIA Document A201, these general requirements shall take precedence.
3. The above AIA documents are on file and may be viewed at the offices of the Architect.

## **SUPPLEMENTAL CONDITIONS FOR GENERAL CONDITIONS OF THE CONTRACT CONSTRUCTION**

Add the following Subparagraph 7.1.4 to Article 7 Changes in the Work:

- 7.1.4 For changes in the work, the allowance for the combined overhead and profit included in the total cost to the Owner shall be based on the following schedule:
- .1 For the Contractor, for Work performed by the Contractor's own forces, fifteen percent of the cost.
  - .2 For the Contractor, for Work performed by the Contractor's Subcontractor, five percent of the amount due the Subcontractor.
  - .3 For each Subcontractor or Sub-subcontractor involved, for Work performed by that Subcontractor's or Sub-subcontractor's own forces, ten percent of the cost.
  - .4 For each Subcontractor, for Work performed by the Subcontractor's Sub-subcontractors, five percent of the amount due the Sub-subcontractor.
  - .5 Cost to which overhead and profit is to be applied shall be determined in accordance with Article 7.
  - .6 In order to facilitate checking of quotations for extras or credits, all proposals, except those so minor that their propriety can be seen by inspection, shall be accompanied by a complete itemization of costs including labor, materials and Subcontracts. Labor and materials shall be itemized in the manner prescribed above. Where major cost items are Subcontracts, they shall be itemized also. In no case will a change involving over \$1,000 be approved without such itemization.

## **BID PROPOSAL AND LEGAL FORMS**

The following forms **MUST BE COMPLETED** and submitted with your bid:

1. Bidder Information Sheet
2. Bid
3. Summary of Bid
4. Schedule of Unit Prices
5. Substitution Sheet
6. Bid Guarantee and Contract Bond (two pages)
7. Certificate as to Interest
8. Unresolved Findings for Recovery
9. Non-Collusion Affidavit
10. Vendor Affidavit Form

Other forms included for execution at a later time include:

1. Personal Property Tax Affidavit
2. Contract
3. Corporate Resolution
4. Certification of County Prosecutor/County Auditor
5. Affidavit of Contractor/Sub Contractor Prevailing Wages
6. Correction Period
7. Final Release of Lien



# **BID FORMS**

The bid forms are not available online. The bid forms are available only by purchasing a set of plans and specifications at the location indicated in the Advertisement for Bids/Public Notice to Bidders.

# PERSONAL PROPERTY TAX AFFIDAVIT

STATE OF OHIO

COUNTY OF ASHTABULA

\_\_\_\_\_, being first duly cautioned and sworn, makes the following statement of his/her own personal knowledge:

That I am the \_\_\_\_\_ of the  
(Designate Officer or position with Company)

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

that is the successful bidder on a contract with the County of Ashtabula, Ohio and which encompasses the following:

## COURTHOUSE FLOORING REPLACEMENT PROJECT

At the time the bid was submitted, my Company, Entity or Organization was not charged with owing any delinquent property taxes on the general tax list of person property in the State of Ohio or in any County thereof, and that to the best of my knowledge said Company has no outstanding and unpaid delinquent personal property taxes, penalties or interest.

FURTHER AFFIANT SAYETH NAUGHT.

\_\_\_\_\_  
Affiant

Sworn to before me and subscribed in my presence this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

NOTARY SEAL

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires \_\_\_\_\_, 20\_\_.

# CONTRACT

**THIS AGREEMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, by and between the Ashtabula County Board of Commissioners, hereinafter called "OWNER", and

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

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

doing business as an individual, a partnership, a corporation, in the County of \_\_\_\_\_, State of \_\_\_\_\_, hereinafter called "CONTRACTOR".

**WITNESSETH:** That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the Owner, the Contractor hereby agrees to commence and complete the improvements and construction of and for the following:

## COURTHOUSE FLOORING REPLACEMENT PROJECT

hereinafter called "**WORK**" for the sum stated in the Proposal, and for all extra work in connection therewith, under the terms as stated in the General Conditions of the Contract Documents, and at their own proper cost and expense to furnish all materials, supplies, machinery, equipment, tools, superintendent, labor, insurance, and other accessories and conditions and price stated in the Bid Proposal, Information and Instructions to Bidders, the General Conditions, Specifications, and Addendum therefore as approved by the Owner, and all of which are a part hereof and collectively evidence and constitute the Contract.

The Contractor hereby agrees to substantially complete the work by SEPTEMBER 13, 2024.

The Owner agrees to pay the Contractor in current funds for the performance of the Contract, subject to additions and deductions, and to make payments on account thereof, as provided in the General Conditions.

IN WITNESS WHEREOF, the parties to these presents have executed this Contract in two (2) counterparts, each of which shall be deemed as original, in the year of day first above mentioned.

**ATTEST:**

**OWNER:**

**BOARD OF COMMISSIONERS  
ASHTABULA COUNTY, OHIO**

\_\_\_\_\_  
Witness

By \_\_\_\_\_  
Kathryn Whittington, President

\_\_\_\_\_  
Witness

By \_\_\_\_\_  
J. P. Ducro IV, Vice-President

\_\_\_\_\_  
Witness

By \_\_\_\_\_  
Casey Kozlowski, Commissioner

SEAL

**ATTEST**

**CONTRACTOR:**

\_\_\_\_\_

By \_\_\_\_\_

\_\_\_\_\_  
Title \_\_\_\_\_

\_\_\_\_\_  
By \_\_\_\_\_

Witness

SEAL

## CORPORATE RESOLUTION

Pursuant to the provisions of the State law in which the undersigned Corporation is incorporated, the following action was taken by the Directors of the undersigned Corporation and is effective the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

RESOLVED, that the undersigned Corporation hereby authorizes its officer and/or agent \_\_\_\_\_ to enter into a contract with the COUNTY OF ASHTABULA, OHIO, for a certain project described as follows:

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

The above-stated officer shall have full authority to enter into said contract, to execute all such documents as are necessary to complete said transaction and to do each and every act necessary or required thereunder. The undersigned Corporation certifies that all of its actions are taken in accord with the law of the State in which it is incorporated and that the Resolution is valid and binding. The Corporation further ratifies each and every act taken by the above-stated officer or agent of the Corporation and agrees to be bound by all of the terms and conditions of the contract.

\_\_\_\_\_  
\_\_\_\_\_  
(State) Corporation

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

### CERTIFICATE

The undersigned who is the Secretary of the above \_\_\_\_\_ (State) Corporation, hereby certifies that the Resolution set forth above is a true and accurate copy of a Resolution adopted by said Corporation on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Secretary

## **CERTIFICATION OF COUNTY PROSECUTOR**

This is to certify that I have examined these Contract Documents, for the Improvement of:

### **COURTHOUSE FLOORING REPLACEMENT PROJECT**

Including the Information and Instruction of Bidders, the General Conditions and Specifications, Proposal, Bid Bond, Performance Bond, Contract, Insurance Certificates and the signatures affixed thereto, and that to the best of my knowledge and belief they constitute a valid and legal contract and are in proper legal form.

---

Ashtabula County Prosecutor

---

Date

## **CERTIFICATION OF ASHTABULA COUNTY AUDITOR**

This is to certify that the amounts required to meet the obligations of this Contract has been lawfully approved for the purpose of same and is in the treasury of the Ashtabula County Board of Commissioners or is in the process of collection to the credit of the appropriate fund and is free from any prior encumbrances.

---

Ashtabula County Auditor

---

Date

# AFFIDAVIT OF CONTRACTOR OR SUB-CONTRACTOR

## PREVAILING WAGES

I, \_\_\_\_\_  
(Name of person signing affidavit) (Title)

of the \_\_\_\_\_, do hereby certify that the wages paid to all employees for the full number of hours worked in connection with the Contract for the improvement, repair and construction of:

### COURTHOUSE FLOORING REPLACEMENT PROJECT

during the following period from \_\_\_\_\_ to \_\_\_\_\_ is in accordance with the prevailing wages prescribed by the contract document. I further certify that no rebates or deductions from any wages due any person have been directly or indirectly made other than those provided by law.

\_\_\_\_\_  
Signature of Officer or Agent

Sworn to before me and subscribed in my presence this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

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

The above affidavit must be executed and sworn to by the officer or agent of the Contractor or Subcontractor who supervises the payment of employees, before the Owner will release the surety and/or make final payment under the terms of the Contract.

# CORRECTION PERIOD

**TO: ASHTABULA COUNTY, OHIO  
BOARD OF COMMISSIONERS  
25 WEST JEFFERSON STREET  
JEFFERSON, OHIO 44047**

**Date:** \_\_\_\_\_

The undersigned \_\_\_\_\_ having heretofore entered into a contract with the Ashtabula County Board of Commissioners, dated \_\_\_\_\_ for the Improvement, Repair and Construction of:

## **COURTHOUSE FLOORING REPLACEMENT PROJECT**

and in accordance with the terms of said contract do hereby guarantee that all labor and material furnished and work performed by us under said contract is in conformity with such plans and specifications and authorized alterations thereto and that such Improvement, Repair and Construction installed pursuant to said contract is free from imperfect workmanship and materials, and we agree to repair at our own cost and expense all of the work covered under said contract and change orders which may prove to be defective for a period of one year from the date hereof. Furthermore, we agree to repair at our sole cost any work which we may affect or disturb in making the repairs herein contemplated.

\_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Correction Period Begins \_\_\_\_\_  
(Date)



# FINAL RELEASE OF LIEN

For and in consideration of \_\_\_\_\_, the undersigned

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

does hereby waive, release and relinquish any and all claims, demands, and right of lien for all work, labor, material, machinery, and other goods, equipment, and services done, performed, and furnished in and for the Improvement, Repair and Construction of:

## COURTHOUSE FLOORING REPLACEMENT PROJECT

In WITNESS WHEREOF, the undersigned has caused these presents to be duly executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

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

By \_\_\_\_\_

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

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, \_\_\_\_\_, being personally known to me, appeared before me and executed the foregoing Final Release of Lien and acknowledged such execution to be his free act and deed.

NOTARY SEAL

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires \_\_\_\_\_, 20\_\_\_\_.

## **DOCUMENT 003126 - EXISTING HAZARDOUS MATERIAL INFORMATION**

### **1.1 EXISTING HAZARDOUS MATERIAL INFORMATION**

- A. This Document with its referenced attachments is part of the Procurement and Contracting Requirements for Project. They provide Owner's information for Bidders' convenience and are intended to supplement rather than serve in lieu of Bidders' own investigations. They are made available for Bidders' convenience and information, but are not a warranty of existing conditions. This Document and its attachments are not part of the Contract Documents.
- B. An asbestos report for the Project, prepared by CT Consultants, dated January 8, 2024, is available for viewing as appended to this Document.
- C. Related Requirements:
  - 1. Section 024119 "Selective Demolition" for demolition requirements, including notification requirements if additional materials suspected of containing hazardous materials are encountered.

**END OF DOCUMENT 003126**



1915 North 12<sup>th</sup> Street  
Toledo, OH 43604  
419.324.2222  
[www.ctconsultants.com](http://www.ctconsultants.com)



# NESHAP Asbestos Survey

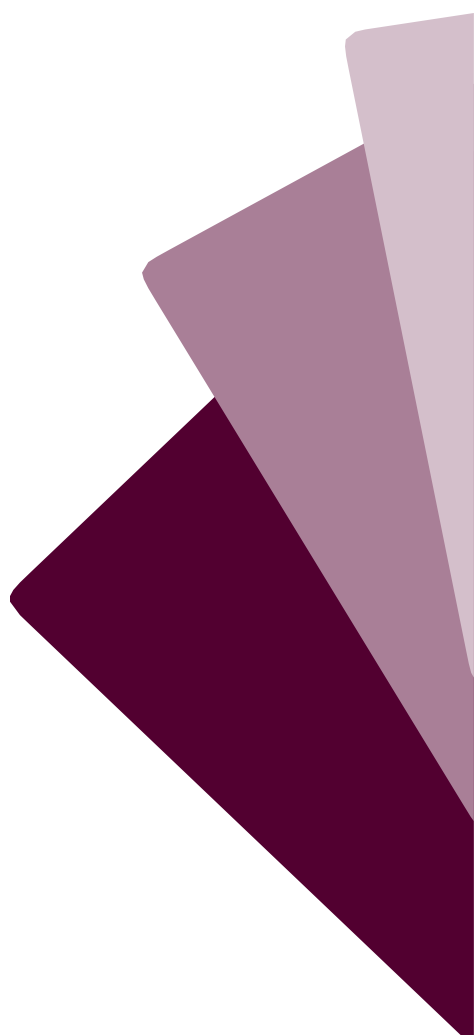
Ashtabula County Courthouse  
25 W. Jefferson Street  
Jefferson, Ohio

PREPARED FOR

**Ashtabula County**

25 West Jefferson Street  
Jefferson, Ohio 44047

CT Project Number: 231987  
ISSUED: 01.08.2024





January 8, 2024

Project No. 231987

Ms. Katelin Lamson  
Senior Project Manager  
Ashtabula County  
25 West Jefferson Street  
Jefferson, Ohio 44047

NESHAP Asbestos Survey  
Ashtabula County Courthouse  
25 West Jefferson Street  
Jefferson, Ohio

Dear Ms. Lamson:

CT Consultants, Inc. (CT) has performed a limited non-destructive United States Environmental Protection Agency (U.S. EPA) National Emission Standard for Hazardous Air Pollutants (NESHAP) asbestos survey of specified interior flooring areas for the two buildings (Newer Courthouse and Older Courthouse) located at 25 West Jefferson Street, Jefferson, Ohio, (site) on December 14, 2023. The asbestos survey was performed for the Ashtabula County in accordance with CT's Proposal, dated April 26, 2023.

The purpose of the NESHAP asbestos regulation is to protect human health and the environment by minimizing the release of asbestos when facilities that contain asbestos-containing materials (ACM) are renovated or demolished. The U.S. EPA defined an ACM as a material that contains greater than one-percent asbestos by visual estimation of weight.

CT appreciates the opportunity to provide Ashtabula County with our engineering, consulting, and testing services and we look forward to working with you in the future. Should you have any questions concerning this report, please contact Mr. Harjot Singh at (734) 695-0120.

Sincerely,

**CT Consultants, Inc.**

Rob Serlin  
Associate Hazard Evaluation Specialist

Harjot Singh  
Project Manager

H:\2023\231987\REPORTS\Report\Ashtabula NESHAP Asbestos Report.docx

# TABLE OF CONTENTS

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2.0 SURVEY RESULTS.....	1
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4.0 LIMITATIONS .....	2

## Appendices

- Appendix A: Asbestos Inspector Certification
- Appendix B: NESHAP Asbestos Survey Summary Table
- Appendix C: Asbestos Analytical Report
- Appendix D: Sample Location Maps

## 1.0 SURVEY, SAMPLING AND ANALYSIS

The objective of this project was to collect the data necessary to comply with the NESHAP renovation/demolition inspection requirements. To meet this objective, Mr. Robert Serlin of CT Consultants, Inc. (CT) conducted a limited non-destructive NESHAP asbestos survey of specified interior flooring areas of the two site buildings located at 25 West Jefferson Street in Jefferson, Ohio.

Mr. Serlin is certified by the State of Ohio Environmental Protection Agency (OEPA) – Asbestos Program as an Asbestos Hazardous Evaluation Specialist (AHES). A copy of Mr. Serlin’s certification is included in Appendix A.

The asbestos survey included the identification of suspect materials and the definition of homogeneous sampling areas (HSA), assessment of the condition of each material, estimation of approximate quantity of the suspect ACM, and collection and analysis of bulk samples from each identified HSA. An HSA is defined as a material that exhibited similar physical characteristics (e.g., texture, surface color, and appearance) and was applied or installed at the same time (if known) as observed by the inspection team utilizing professional judgment and experience.

The samples were collected using a coring device or other means, as appropriate, to collect a cross section of the suspect material. The samples were placed into clean and unused sealable bags marked with unique sample identification numbers. The samples of suspect ACM were transported to International Asbestos Testing Laboratories (IATL) for analysis by Polarized Light Microscopy (PLM). IATL is accredited by the National Voluntary Laboratory Accreditation Program (NVLP), which is administered by the National Institute of Standards and Technology (NIST).

## 2.0 SURVEY RESULTS

Thirteen suspect ACMs were identified in the specified interior flooring areas of the two site buildings from which a total of 26 samples (57 sample layers) were collected and analyzed. The following materials were identified to be ACM:

### 2.1 Newer Courthouse

- Approximately 200 s.f. (square feet) of brown mastic (L2) associated with the stair tread (HSA 231987-03)
- Approximately 6,000 s.f. of tan floor tile (HSA 231987-06, tile only)

No ACM was identified in the Older Courthouse.

Refer to Appendix B for the NESHAP Asbestos Survey Summary Table. The analytical laboratory report is included in Appendix C. The map indicating the sample locations is included in Appendix D.

### 3.0 CONCLUSION AND RECOMMENDATIONS

The U.S. EPA defines regulated asbestos-containing material (RACM) as: (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

#### 3.1 Newer Courthouse

The following non-friable Category I ACM was identified and would need to be removed prior to renovation activities that would disturb the material:

- Approximately 200 s.f. (square feet) of Brown mastic (L2) associated with the stair tread (HSA 231987-03)
- Approximately 6,000 s.f. of tan floor tile (HSA 231987-06, tile only)

No friable and non-friable Category II ACM was identified.

### 4.0 LIMITATIONS

CT has made reasonable efforts to identify and quantify suspect ACM based upon the standard of care in the environmental industry existing at the time of the survey. This survey only summarizes the potential presence and estimated quantities of visually observed ACM. Unless otherwise indicated, CT did not perform destructive testing and this survey is limited to areas that were accessible to and visually observed by CT at the time of the survey.

Additional material disturbed during renovation or demolition activities should be evaluated on a case-by-case basis, especially materials that were previously hidden, obscured, or inaccessible, to determine if the material is included in this survey. If a given material is not described in this survey or cannot be identified as a non-suspect material, the material should be assumed to contain asbestos and renovation and/or demolition activities should be halted until sampling and analysis can be accomplished. Parties conducting renovation and/or demolition activities should follow all applicable federal, state, and local regulations in handling identified and suspect ACM.

The information contained in this report was based upon specific parameters and regulations in force at the time of this survey. The information herein is only for the specific use of Ashtabula

---

County and CT, unless written authorization is obtained from CT. CT accepts no responsibility for the use, interpretation, or reliance by other parties on the information contained herein, nor does this report represent an instrument of regulatory compliance or an asbestos abatement specification.



# Appendix A

## Asbestos Inspector Certification

State of Ohio  
Environmental Protection Agency  
Asbestos Program

**Asbestos Hazard Evaluation Specialist**

**Robert  
Serlin**



45738 Lakeview Ct, Apt 16104  
Novi MI 48377

Certification Number    Expiration Date

**ES36371**

**10/24/24**

DOB: 9/19/71

Card not Valid  
if Altered

# Appendix B

## NESHAP Asbestos Survey Summary Table

**NESHAP ASBESTOS SURVEY SUMMARY**  
**Ashtabula County - Newer Courthouse**  
 25 W. Jefferson Street,  
 Jefferson, OH  
 CT PROJECT NO. 231987

HSA No.	HSA Material Description	Results	Friability	Approximate Quantity [square feet (s.f.)] [linear feet (l.f.)]	Functional Area(s)	Condition
1	4" Brown cove base and associated adhesive	N	NF-II	250 l.f.	1st and 2 <sup>nd</sup> floor hallways	Good
2	Yellow carpet glue	N	NF-I	8,000 s.f.	1st and 2 <sup>nd</sup> floor hallways, 1 <sup>st</sup> floor offices	Good
3	<b>Brown mastic (L2) associated with Stair tread</b>	<b>P</b>	<b>NF-I</b>	<b>200 s.f.</b>	<b>Stairwells</b>	<b>Good</b>
4	Tan rock pattern linoleum flooring with associated adhesive	N	NF-I	250 s.f.	East side stairwells and entry	Good
5	Linoleum flooring caulk	N	NF-II	90 l.f.	East side stairwells and entry	Good
6	<b>9"x 9" tan floor tile</b>	<b>P</b>	NF-I	6,000 s.f.	2 <sup>nd</sup> floor hallway and 1 <sup>st</sup> floor offices	Good
	Mastic associated with 9" x 9" tan floor tile	N				
7	12"x 12" tan with brown streaks floor tile with associated black mastic	N	NF-I	1,800 s.f.	1 <sup>st</sup> floor hallway	Good
8	12"x 12" floor tile caulk	N	NF-II	50 l.f.	1 <sup>st</sup> floor hallway	Good

**RESULTS:**

P: Positive  
 N: Negative  
 A: Assumed Positive

**FRIABILITY:**

F: Friable  
 NF-I: Non-Friable Category I  
 NF-II: Non-Friable Category II

**CONDITION:**

Good: Little or no damage  
 Damaged: Less than 10% damage of total surface area, or less than 25% damage in a localized area  
 Significantly Damaged: Greater than 10% damage of total surface area, or greater than 25% damage in a localized area

**NESHAP ASBESTOS SURVEY SUMMARY**  
**Ashtabula County - Old Courthouse**  
**25 W. Jefferson Street,**  
**Jefferson, OH**  
**CT PROJECT NO. 231987**

HSA No.	HSA Material Description	Results	Friability	Approximate Quantity [square feet (s.f.)] [linear feet (l.f.)]	Functional Area(s)	Condition
9	Yellow carpet glue	N	NF-II	5,500 s.f.	2 <sup>nd</sup> and 3 <sup>rd</sup> floor offices	Good
10	4" Brown cove base and associated adhesive	N	NF-II	100 l.f.	3 <sup>rd</sup> floor offices	Good
11	4" tan cove base and associated adhesive	N	NF-II	150 l.f.	3 <sup>rd</sup> floor offices	Good
12	Brown stair tread with associated adhesive	N	NF-II	90 s.f.	Stairwell between 2 <sup>nd</sup> and 3 <sup>rd</sup> floors	Good
13	Floor leveling compound	N	NF-II	10 l.f.	3 <sup>rd</sup> floor by elevator	Good

**RESULTS:**

P: Positive  
N: Negative  
A: Assumed Positive

**FRIABILITY:**

F: Friable  
NF-I: Non-Friable Category I  
NF-II: Non-Friable Category II

**CONDITION:**

Good: Little or no damage  
Damaged: Less than 10% damage of total surface area, or less than 25% damage in a localized area  
Significantly Damaged: Greater than 10% damage of total surface area, or greater than 25% damage in a localized area

# Appendix C

Asbestos Analytical Report

CERTIFICATE OF ANALYSIS

Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

Client: TTL381

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7707584      **Analyst Observation:** Dk Brown Cove Base      **Location:** 2nd Floor Corridor  
**Client No.:** 230274-01A      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707584(L2)      **Analyst Observation:** Tan Mastic      **Location:** 2nd Floor Corridor  
**Client No.:** 230274-01A      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100


**Lab No.:** 7707585      **Analyst Observation:** Dk Brown Cove Base      **Location:** 2nd Floor Corridor  
**Client No.:** 230274-01B      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

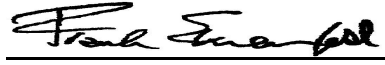
**Lab No.:** 7707585(L2)      **Analyst Observation:** Tan Mastic      **Location:** 2nd Floor Corridor  
**Client No.:** 230274-01B      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707586      **Analyst Observation:** Yellow/Brown Mastic      **Location:** 2nd Floor Corridor  
**Client No.:** 230274-02A      **Client Description:** Yellow Carpet Glue      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707587      **Analyst Observation:** Yellow/Brown Mastic      **Location:** 1st Floor Corridor  
**Client No.:** 230274-02B      **Client Description:** Yellow Carpet Glue      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Dean Andrews

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604  
  
Client: TTL381

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7707588	<b>Analyst Observation:</b> Brown Cove Base	<b>Location:</b> 2nd Floor North Stairwell
<b>Client No.:</b> 230274-03A	<b>Client Description:</b> Brown Stair Tread W/ Adhesive	<b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7707588(L2)	<b>Analyst Observation:</b> Brown Mastic	<b>Location:</b> 2nd Floor North Stairwell
<b>Client No.:</b> 230274-03A	<b>Client Description:</b> Brown Stair Tread W/ Adhesive	<b>Facility:</b>
<u>Percent Asbestos:</u> <b>PC 1.8 Chrysotile</b>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 98.2

<b>Lab No.:</b> 7707588(L3)	<b>Analyst Observation:</b> Clear/Yellow Mastic	<b>Location:</b> 2nd Floor North Stairwell
<b>Client No.:</b> 230274-03A	<b>Client Description:</b> Brown Stair Tread W/ Adhesive	<b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7707589	<b>Analyst Observation:</b> Brown Cove Base	<b>Location:</b> 2nd Floor South Stairwell
<b>Client No.:</b> 230274-03B	<b>Client Description:</b> Brown Stair Tread W/ Adhesive	<b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7707589(L2)	<b>Analyst Observation:</b> Brown Mastic	<b>Location:</b> 2nd Floor South Stairwell
<b>Client No.:</b> 230274-03B	<b>Client Description:</b> Brown Stair Tread W/ Adhesive	<b>Facility:</b>
<u>Percent Asbestos:</u> <b>PC 2.2 Chrysotile</b>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 97.8

<b>Lab No.:</b> 7707589(L3)	<b>Analyst Observation:</b> Clear/Yellow Mastic	<b>Location:</b> 2nd Floor South Stairwell
<b>Client No.:</b> 230274-03B	<b>Client Description:</b> Brown Stair Tread W/ Adhesive	<b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Michael Moore

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director



CERTIFICATE OF ANALYSIS

Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604  
  
Client: TTL381

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7707590      **Analyst Observation:** Brown/White Vinyl Sheet Flooring      **Location:** North Stairwell  
**Client No.:** 230274-04A      **Client Description:** Tan Rock Pattern Linoleum Flooring W/ Glue      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      5 Fibrous Glass      95

**Lab No.:** 7707590(L2)      **Analyst Observation:** Yellow/Grey Mastic      **Location:** North Stairwell  
**Client No.:** 230274-04A      **Client Description:** Tan Rock Pattern Linoleum Flooring W/ Glue      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      5 Cellulose      95


**Lab No.:** 7707590(L3)      **Analyst Observation:** White Plaster      **Location:** North Stairwell  
**Client No.:** 230274-04A      **Client Description:** Tan Rock Pattern Linoleum Flooring W/ Glue      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

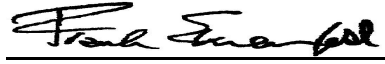
**Lab No.:** 7707591      **Analyst Observation:** Brown/White Vinyl Sheet Flooring      **Location:** South Stairwell  
**Client No.:** 230274-04B      **Client Description:** Tan Rock Pattern Linoleum Flooring W/ Glue      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      5 Fibrous Glass      95

**Lab No.:** 7707591(L2)      **Analyst Observation:** Yellow/Grey Mastic      **Location:** South Stairwell  
**Client No.:** 230274-04B      **Client Description:** Tan Rock Pattern Linoleum Flooring W/ Glue      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      4 Cellulose      96

**Lab No.:** 7707591(L3)      **Analyst Observation:** White Plaster      **Location:** South Stairwell  
**Client No.:** 230274-04B      **Client Description:** Tan Rock Pattern Linoleum Flooring W/ Glue      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Michael Moore

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

Client: TTL381

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7707592      **Analyst Observation:** Brown Caulk      **Location:** North Stairwell  
**Client No.:** 230274-05A      **Client Description:** Linoleum Flooring Caulk      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707593      **Analyst Observation:** Brown Caulk      **Location:** South Stairwell  
**Client No.:** 230274-05B      **Client Description:** Linoleum Flooring Caulk      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

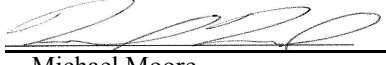
**Lab No.:** 7707594      **Analyst Observation:** Tan Floor Tile      **Location:** 2nd Floor Corridor  
**Client No.:** 230274-06A      **Client Description:** 9"x9" Tan Floor Tile W/ Black Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*10 Chrysotile*      None Detected      90

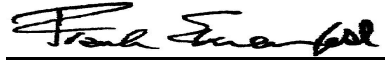
**Lab No.:** 7707594(L2)      **Analyst Observation:** Yellow Mastic      **Location:** 2nd Floor Corridor  
**Client No.:** 230274-06A      **Client Description:** 9"x9" Tan Floor Tile W/ Black Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707594(L3)      **Analyst Observation:** Black Mastic      **Location:** 2nd Floor Corridor  
**Client No.:** 230274-06A      **Client Description:** 9"x9" Tan Floor Tile W/ Black Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707595      **Analyst Observation:** Tan Floor Tile      **Location:** 1st Floor Auditor Office  
**Client No.:** 230274-06B      **Client Description:** 9"x9" Tan Floor Tile W/ Black Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*10 Chrysotile*      None Detected      90

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Michael Moore

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604  
  
Client: TTL381

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7707595(L2)      **Analyst Observation:** Yellow Mastic      **Location:** 1st Floor Auditor Office  
**Client No.:** 230274-06B      **Client Description:** 9"x9" Tan Floor Tile W/ Black Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707595(L3)      **Analyst Observation:** Black Mastic      **Location:** 1st Floor Auditor Office  
**Client No.:** 230274-06B      **Client Description:** 9"x9" Tan Floor Tile W/ Black Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100


**Lab No.:** 7707596      **Analyst Observation:** Tan Floor Tile      **Location:** 1st Floor West Entry  
**Client No.:** 230274-07A      **Client Description:** 12"x12" Tan W/ Brown Speckles Floor      **Facility:**  
Tile And Black Mastic      Percent Non-Fibrous Material:  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      100  
*None Detected*      None Detected


**Lab No.:** 7707596(L2)      **Analyst Observation:** Yellow Mastic      **Location:** 1st Floor West Entry  
**Client No.:** 230274-07A      **Client Description:** 12"x12" Tan W/ Brown Speckles Floor      **Facility:**  
Tile And Black Mastic      Percent Non-Fibrous Material:  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      100  
*None Detected*      None Detected

**Lab No.:** 7707596(L3)      **Analyst Observation:** Black/Silver Mastic      **Location:** 1st Floor West Entry  
**Client No.:** 230274-07A      **Client Description:** 12"x12" Tan W/ Brown Speckles Floor      **Facility:**  
Tile And Black Mastic      Percent Non-Fibrous Material:  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      100  
*None Detected*      None Detected

**Lab No.:** 7707597      **Analyst Observation:** Tan Floor Tile      **Location:** 1st Floor Corridor  
**Client No.:** 230274-07B      **Client Description:** 12"x12" Tan W/ Brown Speckles Floor      **Facility:**  
Tile And Black Mastic      Percent Non-Fibrous Material:  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      100  
*None Detected*      None Detected

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Michael Moore

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: CT Consultants 1915 N. 12th Street Toledo OH 43604	Report Date: 12/22/2023 Report No.: 693856 - PLM Project: Ashtabula County Courthouse Project No.: 230274
Client: TTL381	

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7707597(L2) <b>Client No.:</b> 230274-07B	<b>Analyst Observation:</b> Yellow Mastic <b>Client Description:</b> 12"x12" Tan W/ Brown Speckles Floor Tile And Black Mastic	<b>Location:</b> 1st Floor Corridor <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 7707597(L3) <b>Client No.:</b> 230274-07B	<b>Analyst Observation:</b> Black/Yellow Mastic <b>Client Description:</b> 12"x12" Tan W/ Brown Speckles Floor Tile And Black Mastic	<b>Location:</b> 1st Floor Corridor <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 2 Cellulose	<u>Percent Non-Fibrous Material:</u> 98
<b>Lab No.:</b> 7707598 <b>Client No.:</b> 230274-08A	<b>Analyst Observation:</b> Off-White Glazing <b>Client Description:</b> 12"x12" Floor Tile Caulk	<b>Location:</b> 1st Floor West Entry <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 7707599 <b>Client No.:</b> 230274-08B	<b>Analyst Observation:</b> Off-White Glazing <b>Client Description:</b> 12"x12" Floor Tile Caulk	<b>Location:</b> 1st Floor West Entry <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 7707600 <b>Client No.:</b> 230274-09A	<b>Analyst Observation:</b> Yellow Mastic <b>Client Description:</b> Yellow Carpet Glue	<b>Location:</b> 2nd Floor Office <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 7707601 <b>Client No.:</b> 230274-09B	<b>Analyst Observation:</b> Yellow Mastic <b>Client Description:</b> Yellow Carpet Glue	<b>Location:</b> 2nd Floor Office <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Michael Moore

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

Client: TTL381

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7707602      **Analyst Observation:** Brown Cove Base      **Location:** 3rd Floor Offices  
**Client No.:** 230274-10A      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707602(L2)      **Analyst Observation:** Yellow Mastic      **Location:** 3rd Floor Offices  
**Client No.:** 230274-10A      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100


**Lab No.:** 7707602(L3)      **Analyst Observation:** White Joint Compound      **Location:** 3rd Floor Offices  
**Client No.:** 230274-10A      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

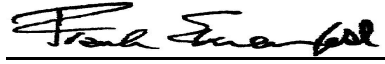
**Lab No.:** 7707603      **Analyst Observation:** Brown Cove Base      **Location:** 3rd Floor Offices  
**Client No.:** 230274-10B      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707603(L2)      **Analyst Observation:** Yellow Mastic      **Location:** 3rd Floor Offices  
**Client No.:** 230274-10B      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707603(L3)      **Analyst Observation:** White Joint Compound      **Location:** 3rd Floor Offices  
**Client No.:** 230274-10B      **Client Description:** 4" Brown Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Michael Moore

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604  
  
Client: TTL381

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7707604      **Analyst Observation:** Tan Cove Base      **Location:** 3rd Floor Offices  
**Client No.:** 230274-11A      **Client Description:** 4" Tan Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707604(L2)      **Analyst Observation:** Yellow Mastic      **Location:** 3rd Floor Offices  
**Client No.:** 230274-11A      **Client Description:** 4" Tan Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100


**Lab No.:** 7707604(L4)      **Analyst Observation:** White Backing Material      **Location:** 3rd Floor Offices  
**Client No.:** 230274-11A      **Client Description:** 4" Tan Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      5 Cellulose      95

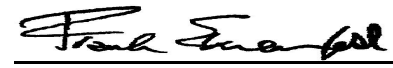
**Lab No.:** 7707605      **Analyst Observation:** Tan Cove Base      **Location:** 3rd Floor Offices  
**Client No.:** 230274-11B      **Client Description:** 4" Tan Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707605(L2)      **Analyst Observation:** Off-White Mastic      **Location:** 3rd Floor Offices  
**Client No.:** 230274-11B      **Client Description:** 4" Tan Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7707605(L3)      **Analyst Observation:** White Backing Material      **Location:** 3rd Floor Offices  
**Client No.:** 230274-11B      **Client Description:** 4" Tan Cove Base W/ Adhesive      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      5 Cellulose      95

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Michael Moore

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: CT Consultants 1915 N. 12th Street Toledo OH 43604	Report Date: 12/22/2023 Report No.: 693856 - PLM Project: Ashtabula County Courthouse Project No.: 230274
Client: TTL381	

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7707605(L4) <b>Client No.:</b> 230274-11B	<b>Analyst Observation:</b> White Joint Compound <b>Client Description:</b> 4" Tan Cove Base W/ Adhesive	<b>Location:</b> 3rd Floor Offices <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 7707606 <b>Client No.:</b> 230274-12A	<b>Analyst Observation:</b> Tan Stair Tread <b>Client Description:</b> Brown Stairtread W/ Adhesive	<b>Location:</b> Stairwell <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 7707606(L2) <b>Client No.:</b> 230274-12A	<b>Analyst Observation:</b> Yellow Mastic <b>Client Description:</b> Brown Stairtread W/ Adhesive	<b>Location:</b> Stairwell <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 2 Cellulose	<u>Percent Non-Fibrous Material:</u> 98
<b>Lab No.:</b> 7707607 <b>Client No.:</b> 230274-12B	<b>Analyst Observation:</b> Tan Stair Tread <b>Client Description:</b> Brown Stairtread W/ Adhesive	<b>Location:</b> Stairwell <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 7707607(L2) <b>Client No.:</b> 230274-12B	<b>Analyst Observation:</b> Yellow Mastic <b>Client Description:</b> Brown Stairtread W/ Adhesive	<b>Location:</b> Stairwell <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 2 Cellulose	<u>Percent Non-Fibrous Material:</u> 98
<b>Lab No.:</b> 7707608 <b>Client No.:</b> 230274-13A	<b>Analyst Observation:</b> White Leveling Compound <b>Client Description:</b> Floor Leveling Compound	<b>Location:</b> 3rd Floor By Elevator <b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Michael Moore

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

Client: TTL381

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7707608(L2)	<b>Analyst Observation:</b> Yellow Mastic	<b>Location:</b> 3rd Floor By Elevator
<b>Client No.:</b> 230274-13A	<b>Client Description:</b> Floor Leveling Compound	<b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7707609	<b>Analyst Observation:</b> White Leveling Compound	<b>Location:</b> 3rd Floor By Elevator
<b>Client No.:</b> 230274-13B	<b>Client Description:</b> Floor Leveling Compound	<b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7707609(L2)	<b>Analyst Observation:</b> Yellow Mastic	<b>Location:</b> 3rd Floor By Elevator
<b>Client No.:</b> 230274-13B	<b>Client Description:</b> Floor Leveling Compound	<b>Facility:</b>
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/18/2023  
Date Analyzed: 12/22/2023  
Signature:   
Analyst: Michael Moore

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director



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CERTIFICATE OF ANALYSIS

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Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

Client: TTL381

## Appendix to Analytical Report

**Customer Contact:** Sara Vogelwohl

**Method:** 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

**iATL Customer Service:** customerservice@iatl.com

**iATL Office Manager:** wchampion@iatl.com

**iATL Account Representative:** Kelly Klippel

**Sample Login Notes:** See Batch Sheet Attached

**Sample Matrix:** Bulk Building Materials

**Exceptions Noted:** See Following Pages

### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at [www.iATL.com](http://www.iATL.com) and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

### Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

### Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

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CERTIFICATE OF ANALYSIS

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Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

Client: TTL381

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)  
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

### Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at [customerservice@iatl.com](mailto:customerservice@iatl.com).

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
- 16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

### Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) [www.atsdr.cdc.gov](http://www.atsdr.cdc.gov), United States Geological Survey (USGS) [www.minerals.usgs.gov/minerals/](http://www.minerals.usgs.gov/minerals/), US EPA [www.epa.gov/asbestos](http://www.epa.gov/asbestos). The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite ([https://www.wadsworth.org/sites/default/files/WebDoc/I198\\_8\\_02\\_2.pdf](https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf))

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

- 1) **Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116  
**Requirements/Comments:** Minimum of 0.1 g of sample. ~0.25% for most samples.

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CERTIFICATE OF ANALYSIS

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Client: CT Consultants  
1915 N. 12th Street  
Toledo OH 43604

Report Date: 12/22/2023  
Report No.: 693856 - PLM  
Project: Ashtabula County Courthouse  
Project No.: 230274

Client: TTL381

2)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

3)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Floats" only.

4)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

5)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Suspension" only.  
\*With advance notice and confirmation by the laboratory.

\*\*Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

\*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other than SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054  
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

## Chain of Custody

-Bulk Asbestos -

<b>Contact Information</b>	
<b>Client Company:</b> <u>CT Consultants, Inc.</u>	<b>Project Number:</b> <u>230274</u>
<b>Office Address:</b> <u>1915 N 12th Street</u>	<b>Project Name:</b> <u>ASHTABULA COUNTY COURTHOUSE</u>
<b>City, State, Zip:</b> <u>Toledo, Ohio 43604</u>	<b>Primary Contact:</b> <u>Robert Serlin</u>
<b>Fax Number:</b> <u>419-241-1808</u>	<b>Office Phone:</b> <u>419-324-2222</u>
<b>Email Address:</b> <u>RSerlin@ctconsultants.com</u>	<b>Cell Phone:</b> <u>419-460-3632</u>

<b>PLM Instructions:</b>	
<input checked="" type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010	
<input type="checkbox"/> TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009	
<input type="checkbox"/> PLM: Point Counting	<input type="checkbox"/> PLM: Analyze Until Positive (Positive Stop)
<input type="checkbox"/> PC: via ELAP 198.1	<input type="checkbox"/> AUP: by Homogenous Area as Noted
<input type="checkbox"/> PC: 400 Points	<input type="checkbox"/> AUP: by Material Type as Noted
<input type="checkbox"/> PC: 800 Points *	<input type="checkbox"/> PLM: NOB via 198.6
<input type="checkbox"/> PC: 1600 Points *	<input type="checkbox"/> PLM: Friable via EPA 600 2.3
<input type="checkbox"/> PLM: Instructions for Multi-Layered Samples	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 *
<input type="checkbox"/> Analyze and Report All Separable Layers per EPA 600	<input type="checkbox"/> If <1% by PLM, Hold for Instructions
<input type="checkbox"/> Report Composite for Drywall Systems per NESHAP	<input type="checkbox"/> PLM: Non-Building Material <sup>***</sup> (Dust, Wipe, Tape)
<input type="checkbox"/> Report All Layers and Composite Where Applicable	<input type="checkbox"/> Soil or Vermiculite Analysis <sup>*</sup>
<input type="checkbox"/> Only Analyze and Report Specifically Noted Layer	<input type="checkbox"/> CARB 435
<b>Special Instructions:</b> <u>Send results to rserlin@ctconsultants.com and hsingh@ctconsultants.com</u>	
* Additional charge and turnaround may be required    ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory	

<b>Turnaround Time</b>	
Preliminary Results Requested Date: _____	<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
Specific date / time	
<input type="checkbox"/> 10 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***	

<b>Chain of Custody</b>			
Relinquished (Name/Organization): <u>Robert Serlin/ CT Consultants</u>	Date: <u>12/15/23</u>	Time: 1800	RECEIVED
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: _____	Time: _____	
Analysis(Name(s) / iATL): <u>[Signature]</u>	Date: <u>12/22/22</u>	Time: _____	
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	DEC 18 2022

iATL - By [Signature]

## Chain of Custody

-Bulk Asbestos -

<u>Contact Information</u>	
Client Company: <u>CT Consultants, Inc.</u>	Project Number: <u>230274</u>
Office Address: <u>1915 N 12th Street</u>	Project Name: <u>ASHTMBULA COUNTY COURTHOUSE</u>
City, State, Zip: <u>Toledo, Ohio 43604</u>	Primary Contact: <u>Robert Serlin</u>
Fax Number: <u>419-241-1808</u>	Office Phone: <u>419-324-2222</u>
Email Address: <u>RSerlin@ctconsultants.com</u>	Cell Phone: <u>419-460-3632</u>

<u>PLM Instructions:</u>	
<input checked="" type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010	
<input type="checkbox"/> TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009	
<input type="checkbox"/> PLM: Point Counting	<input type="checkbox"/> PLM: Analyze Until Positive (Positive Stop)
<input type="checkbox"/> PC: via ELAP 198.1	<input type="checkbox"/> AUP: by Homogenous Area as Noted
<input type="checkbox"/> PC: 400 Points	<input type="checkbox"/> AUP: by Material Type as Noted
<input type="checkbox"/> PC: 800 Points *	<input type="checkbox"/> PLM: NOB via 198.6
<input type="checkbox"/> PC: 1600 Points *	<input type="checkbox"/> PLM: Friable via EPA 600 2.3
<input type="checkbox"/> PLM: Instructions for Multi-Layered Samples	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 *
<input type="checkbox"/> Analyze and Report All Separable Layers per EPA 600	<input type="checkbox"/> If <1% by PLM, Hold for Instructions
<input type="checkbox"/> Report Composite for Drywall Systems per NESHAP	<input type="checkbox"/> PLM: Non-Building Material <sup>***</sup> (Dust, Wipe, Tape)
<input type="checkbox"/> Report All Layers and Composite Where Applicable	<input type="checkbox"/> Soil or Vermiculite Analysis *
<input type="checkbox"/> Only Analyze and Report Specifically Noted Layer	<input type="checkbox"/> CARB 435
<b>Special Instructions:</b> <u>Send results to rserlin@ctconsultants.com and hsingh@ctconsultants.com</u>	
* Additional charge and turnaround may be required    ** Alternative Method (ex: EPA 600/R-0-1/00-4) may be recommended by Laboratory	

<u>Turnaround Time</u>	
Preliminary Results Requested Date: _____	<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
Specific date / time	
<input type="checkbox"/> 10 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***	

<u>Chain of Custody</u>			
Relinquished (Name/Organization): <u>Robert Serlin / CT Consultants</u>	Date: <u>12/15/23</u>	Time: <u>1800</u>	<b>RECEIVED</b>
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: _____	Time: _____	
Analysis (Name(s) / iATL): <u>[Signature]</u>	Date: <u>12/22/23</u>	Time: _____	
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	<u>DEC 18 2023</u>

## Sample Log

-Bulk Asbestos -

Client: CT Consultants, Inc.

Project: 230274 / ASHTABUGA COUNTY COURTHOUSE

Sampling Date/Time: 12/14/23

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	LOCATION Notes
230274-01A	7707584	4" BROWN COVERAGE w/ ADHESIVE	2ND FLOOR CORRIDOR
-01B	7707585	" "	" "
230274-02A	7707586	YELLOW CARPET GLUE	" "
-02B	7707587	" "	1ST FLOOR CORRIDOR
230274-03A	7707588	BROWN STAIR TREAD w/ ADHESIVE	2ND FLOOR NORTH STAIRWELL
-03B	7707588	" "	2ND FLOOR SOUTH STAIRWELL
230274-04A	7707590	TAN ROCK PATTERN LINDOLUM FLOORING w/ GLUE	NORTH STAIRWELL
-04B	7707591	" "	SOUTH STAIRWELL
230274-05A	7707592	LANTERN PUGILAC CAULK	NORTH STAIRWELL
-05B	7707593	" "	SOUTH STAIRWELL
230274-06A	7707594	9" x 9" TAN FLOOR TILE w/ BLACK MORTAR	2ND FLOOR CORRIDOR
-06B	7707595	" "	1ST FLOOR AUDITORIUM OFFICE
230274-07A	7707596	12" x 12" TAN w/ BROWN SPRINKLER FLOOR TILE & BLACK MORTAR	1ST FLOOR WEST ENTRY
-07B	7707597	" "	1ST FLOOR CORRIDOR
230274-08A	7707598	12" x 12" FLOOR TILE CAULK	1ST FLOOR WEST ENTRY
-08B	7707599	" "	" "

DA  
12/22  
Start

NEW COURTHOUSE

## Sample Log

-Bulk Asbestos -

Client: CT Consultants, Inc.

Project: 230274/ ASHTABULA COUNTY COURT HOUSE

Sampling Date/Time: 12/14/23

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	LOCATION Notes
230274-09A	7707600	YELLOW CARPET GLUE	2ND FLOOR OFFICE
-09B	7707601	" "	" "
230274-10A	7707602	44 BROWN GUEBANE w/ ADHESIVE	3RD FLOOR OFFICES
-10B	7707603	" "	" "
230274-11A	7707604	44 TAN GUEBANE w/ ADHESIVE	" "
-11B	7707605	" "	" "
230274-12A	7707606	BROWN SANDPAPER w/ ADHESIVE	STAIRWELL
-12B	7707607	" "	" "
230274-13A	7707608	FLOOR LEVELING COMPOUND	3RD FLOOR BY ELEVATOR
-13B	7707609	" "	" "

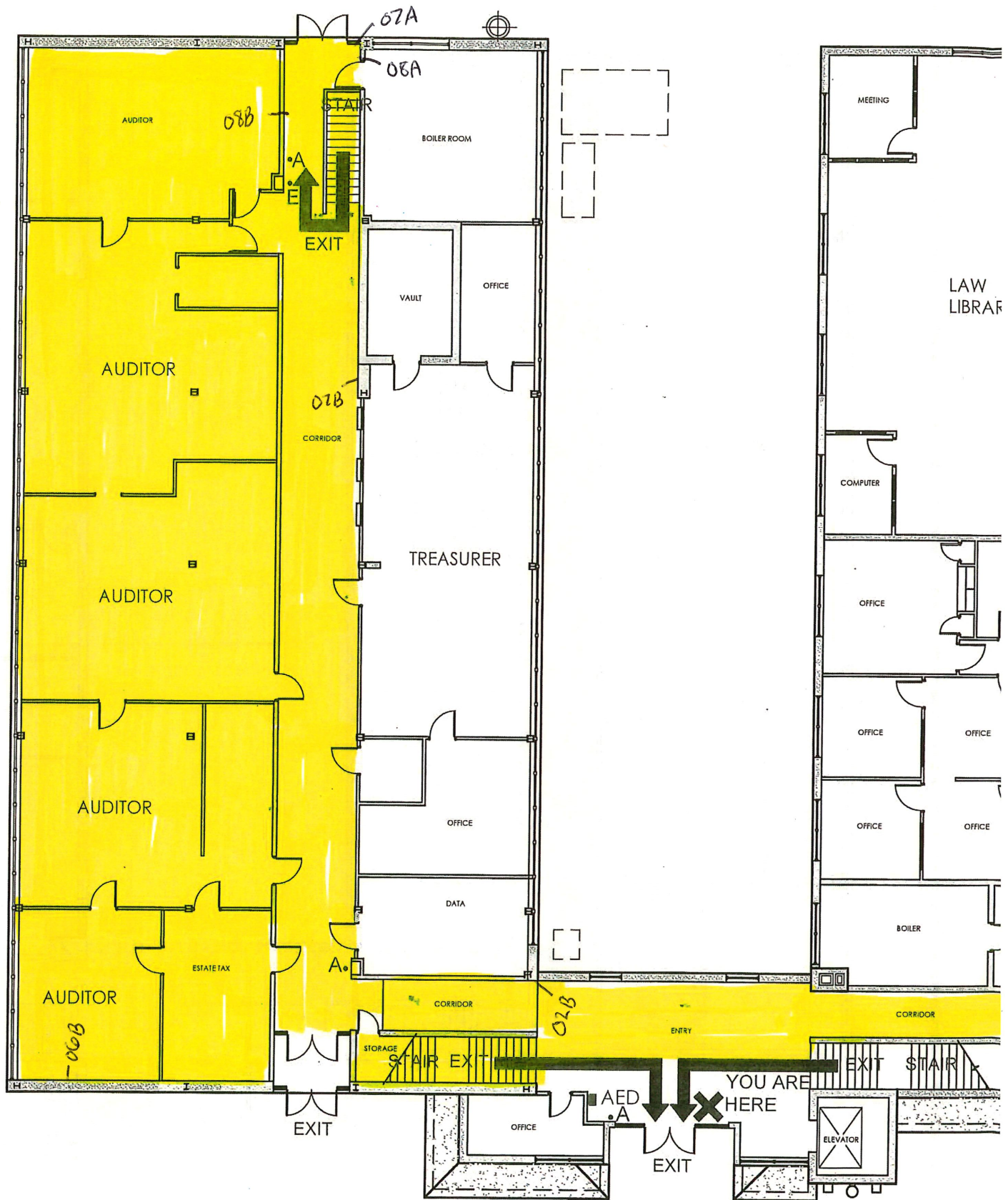
UNL COURT HOUSE

# Appendix D

## Sample Location Maps



ASBESTOS SAMPLE LOCATION MAP



BUILDING-A

Has the 9'x9" Tiles  
w/ACHS. Carpeted over

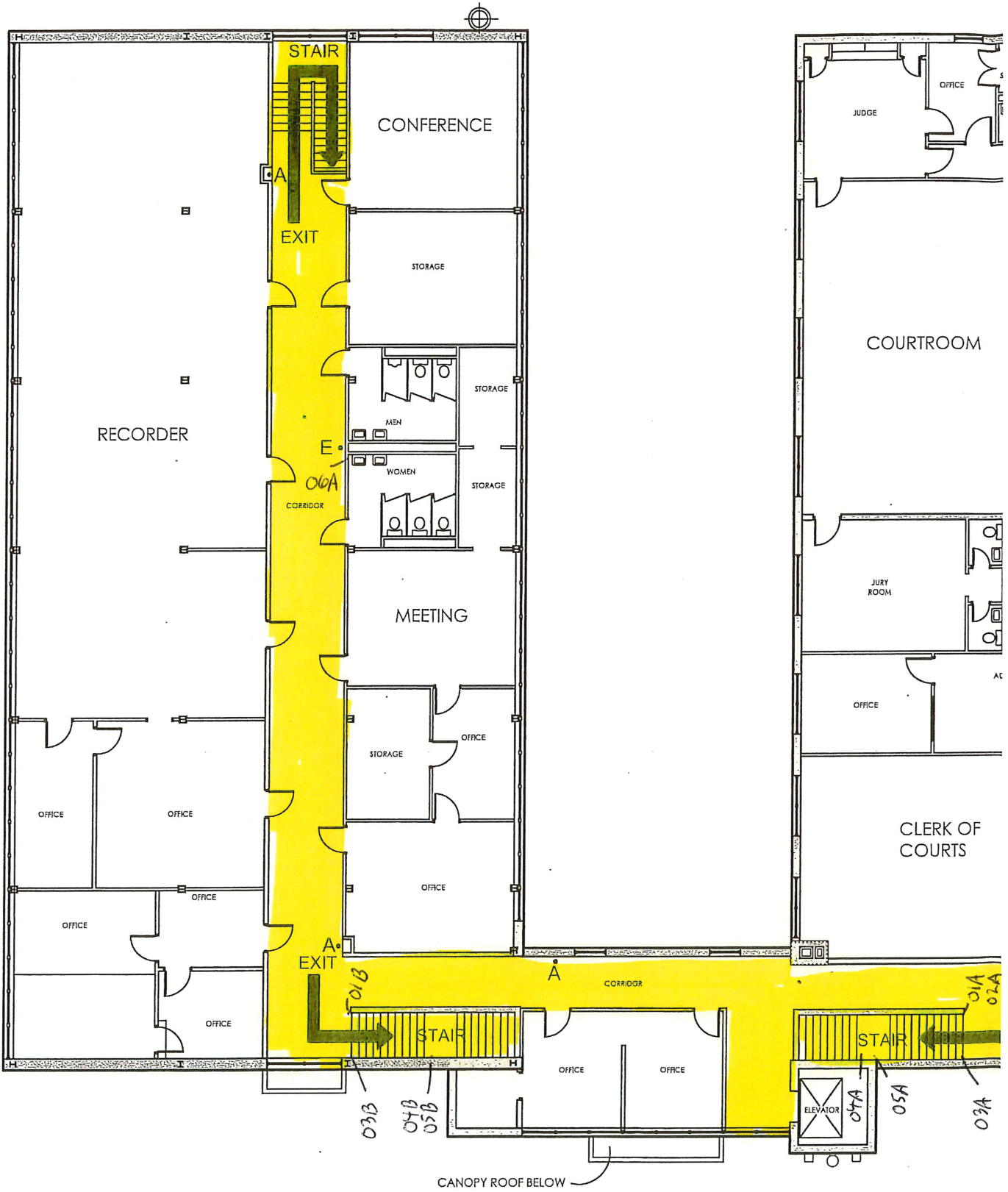
R. SERLAN  
DATE:  
12/14/23  
SOB No.  
291987



BUILDINGS A & B  
First Floor

SCALE:

# ASBESTOS SAMPLE LOCATION MAP



BUILDING-A

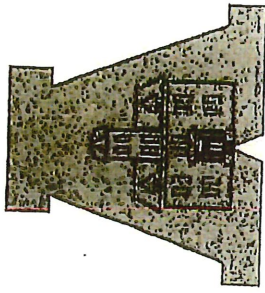
Buildings A & B  
**Second Floor**

SCALE:

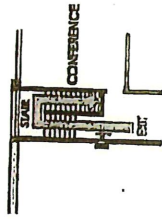


R-SERLAW  
 DATE:  
 12/14/23  
 5013 po.  
 231987

ASBESTOS SAMPLE LOCATION MAP



LEGEND



ARROW INDICATES EMERGENCY PATH OF TRAVEL



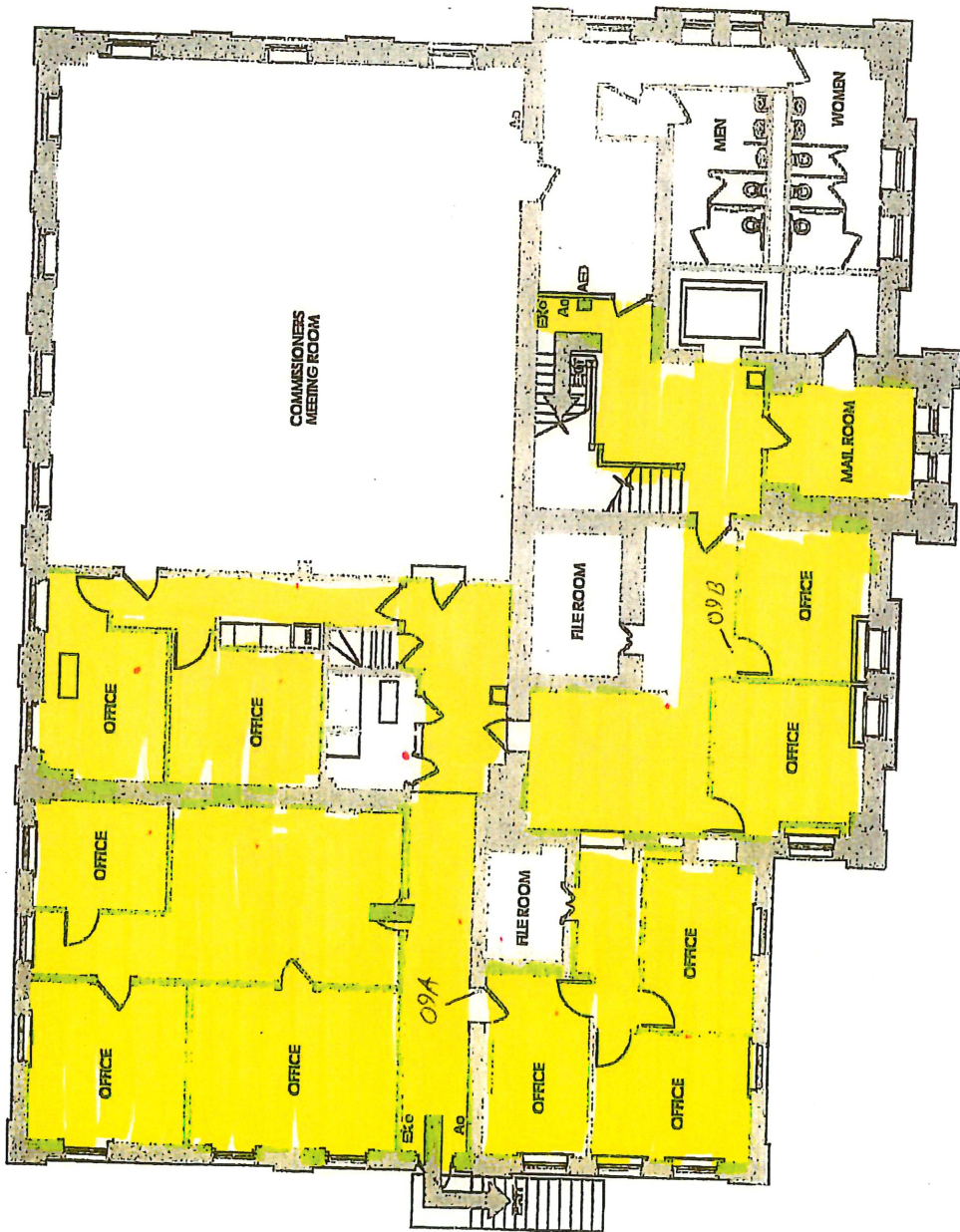
INDICATES LOCATIONS OF FIRE ALARM PULL STATIONS



INDICATES LOCATIONS OF FIRE EXTINGUISHER CABINETS



INDICATES LOCATIONS OF AED CABINET



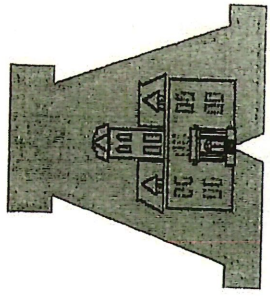
Commissioners Building  
Second Floor



SCALE: NOT TO SCALE

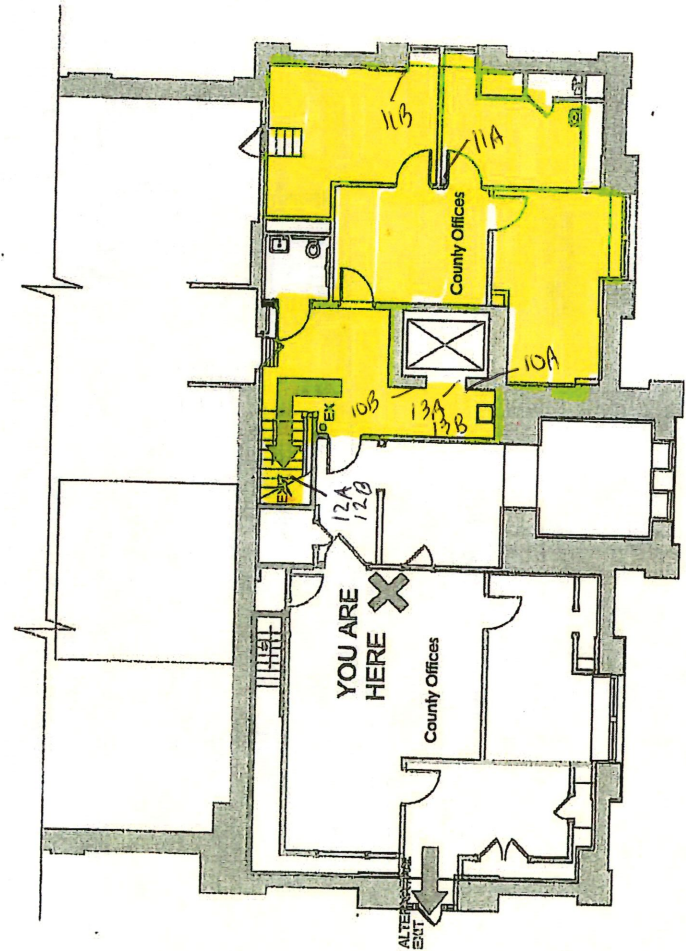
R. SERLAW  
DATE: 12/18/23  
JOB NO. 231987

ASBESTOS SAMPLE LOCATION MAP



LEGEND

- STAIR CONFERENCE
- EXIT
- ARROW INDICATES EMERGENCY PATH OF TRAVEL
- INDICATES LOCATIONS OF FIRE ALARM PULL STATIONS (A)
- INDICATES LOCATIONS OF FIRE EXTINGUISHER CABINETS (E)
- INDICATES LOCATIONS OF AED CABINET (AED)



R-SERLAW  
 DATE: 12/17/23  
 JOB NO. 508 NO.  
 291987

Commissioners Building  
 Third Floor  
 SCALE:

## **SECTION 011000 - SUMMARY**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Phased construction.
4. Work performed by Owner.
5. Contractor's use of site and premises.
6. Coordination with occupants.
7. Work restrictions.
8. Specification and Drawing conventions.

- B. Related Requirements:

1. Section 015000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

#### **1.3 PROJECT INFORMATION**

- A. Project Identification: Ashtabula Courthouse Flooring Replacement. CT Consultants Project Number 231987.

1. Project Location: 25 West Jefferson Street, Jefferson, Ohio 44047.

- B. Owner: Ashtabula County Board of Commissioners, 25 West Jefferson Street, Jefferson, Ohio 44047.

1. Owner's Representative: Katelin Lamson, Office phone 440-576-3318.

- C. Architect: CT Consultants, 4420 Cooper Road, Suite 200, Cincinnati, Ohio, 45242.

1. Architect's Representative: Brian Sabla, Project Manager. Office phone 513-792-8417.

- D. Web-Based Project Software: Project software may be used for purposes of managing communication and documents during the construction stage.
  - 1. See Section 013100 "Project Management and Coordination." for requirements for using web-based Project software.

#### **1.4 WORK COVERED BY CONTRACT DOCUMENTS**

- A. The Work of Project is defined by the Contract Documents and includes, but is not limited to, the following:
  - 1. Removal of existing floor coverings and wall base, including the existing vinyl floor tile underneath the existing carpet, which contains asbestos.
  - 2. New floor coverings that include carpet tiles, resilient tiles, and stair treads.
  - 3. New wall base.
  - 4. Touch up of existing finishes that may be damaged as part of the Work.
    - a. Contractor shall be solely responsible for moving, cataloging, storing, and resetting existing furniture, fixtures, and equipment as required to facilitate the Work. Means and methods for moving/storing FF&E is the responsibility of the Contractor and may include creating "swing space" within the building or providing temporary storage facilities on site. Coordinate with Owner and phasing requirements.
- B. Type of Contract:
  - 1. Project will be constructed under a single prime contract.

#### **1.5 PHASED CONSTRUCTION**

- A. Contractor shall be responsible for developing a phasing plan indicating their systematic approach to execute the work within each building. The intent is to execute the work while minimizing disruptions to Owner's operations by performing work in designated areas (phases), with each phase being substantially complete before beginning work on the next phase. Work may be performed in different buildings or areas concurrently if approved by Owner.
  - 1. Phasing shall be closely coordinated with Owner and their operations. Contractor shall receive written approval of proposed phasing by Owner before beginning work.
  - 2. Phases shall be identified by building, floor, wing, and specific areas.
  - 3. Before commencing Work of each phase, submit an updated copy of Contractor's construction schedule, showing the sequence, commencement, completion dates, and move out and move in dates of Owner's personnel for each phase of the work.
  - 4. Work in public spaces, including corridors and public areas of the Clerk of Courts Title Office, shall be performed after regular business hours and/or during weekend hours. Coordinate with Owner and proposed phasing schedule.

- B. Before commencing Work of each phase, submit an updated copy of Contractor's construction schedule, showing the sequence, commencement, completion dates, and move out and move in dates of Owner's personnel for all phases of the Work.

## **1.6 WORK PERFORMED BY OWNER**

- A. Owner reserves the right to perform work concurrently with the Flooring Replacement project. Cooperate fully with Owner, so work may be carried out smoothly, without interfering with or delaying Work under this Contract or work by Owner. Coordinate the Work of this Contract with work performed by Owner.

## **1.7 CONTRACTOR'S USE OF SITE AND PREMISES**

- A. Restricted Use of Building/Site: Contractor shall have limited use of Project site for construction operations. Limit work to the areas designated for flooring replacement, as indicated on Drawings.
- B. Condition of Existing Building and Grounds: Maintain portions of existing building affected by construction operations in a manner so as not to damage or disturb areas outside of designated areas. Repair damage caused by construction operations.

## **1.8 COORDINATION WITH OCCUPANTS**

- A. Full Owner Occupancy: Owner will occupy Project site and existing building(s) during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day operations. Maintain existing exits unless otherwise indicated.
  - 1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and approval of authorities having jurisdiction.
  - 2. Notify Owner not less than 72 hours in advance of activities that will affect Owner's operations.
- B. Owner Occupancy of Completed Areas of Construction: Owner will occupy and utilize areas of completed Work, prior to Substantial Completion of the Work, and will endeavor to not interfere with completion of the Work. Use of these spaces and occupancy shall not constitute acceptance of the total Work.
  - 1. Owner or Architect will prepare written acceptance of the completed areas of construction prior to occupying these spaces.
  - 2. On occupancy, Owner will assume responsibility for maintenance and custodial service for occupied portions of Work.

## **1.9 WORK RESTRICTIONS**

- A. Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets, work on public streets, rights of way, and other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Generally, limit work to between 8:00 a.m. and 4:30 p.m., Monday through Friday, unless otherwise indicated. Work hours may be modified to meet Project requirements if approved by Owner.
1. Weekend and After Hours: Work in Corridors, public areas of the Clerk of Courts Title Office, and other public spaces, shall be performed on the weekends and/or after typical business hours of 8:00 a.m. to 4:30 p.m.
  2. Hours for activities that will create significant noise, vibrations, dust, and/or odors shall be reviewed and approved by Owner.
- C. Noise, Vibration, Dust, and Odors: Coordinate operations that may result in high levels of noise and vibration, dust, odors, or other disruption to Owner occupancy with Owner.
1. Notify Owner not less than 72 hours in advance of proposed disruptive operations.
  2. Obtain Owner's written permission before proceeding with disruptive operations.
- D. Smoking and Controlled Substance Restrictions: Use of tobacco products, alcoholic beverages, and other controlled substances on Project site is not permitted.

#### **1.10 SPECIFICATION AND DRAWING CONVENTIONS**

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
  2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Contracting Requirements: General provisions of the Contract, including General and Supplementary Conditions, apply to all Sections of the Specifications.
- C. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- D. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.



2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings.
3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

**END OF SECTION 011000**

## **SECTION 012200 - UNIT PRICES**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
  - 1. Section 012600 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.

#### **1.3 DEFINITIONS**

- A. Unit price is an amount incorporated into the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

#### **1.4 PROCEDURES**

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the Part 3 "Schedule of Unit Prices" Article contain requirements for materials described under each unit price.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION**

**3.1 SCHEDULE OF UNIT PRICES**

- A. Unit Price No. 1: Removal of Existing Floor Coverings Containing Asbestos.
  - 1. Description: Remove and abate existing asbestos containing floor materials, including mastic or other asbestos containing materials associated with existing conditions.
  - 2. Unit of Measurement: Square Foot.
  
- B. Unit Price No. 2: Installation of Carpet Tile (C-1).
  - 1. Description: Carpet tile floor covering, including substrate preparation, materials, and labor. Unit Price No. 2 shall be for carpet type C-1 only.
  - 2. Unit of Measurement: Square Yard.
  
- C. Unit Price No. 3: Installation of Luxury Vinyl Tile.
  - 1. Description: Luxury vinyl tile (LVT) floor covering, including substrate preparation, materials, and labor.
  - 2. Unit of Measurement: Square Foot.
  
- D. Unit Price No. 4: Installation of Rubber Stair Treads and Landing Tile.
  - 1. Description: Rubber stair treads and/or landing tile floor covering, including substrate preparation, materials, and labor.
  - 2. Unit of Measurement: Square Foot.
  
- E. Unit Price No. 5: Installation of Rubber Wall Base.
  - 1. Description: Rubber wall base, including substrate preparation, materials, and labor.
  - 2. Unit of Measurement: Linear Foot.

**END OF SECTION 012200**

## **SECTION 012500 - SUBSTITUTION PROCEDURES**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

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

#### **1.3 DEFINITIONS**

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

#### **1.4 ACTION SUBMITTALS**

- A. Substitution Requests: Submit copy of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
  - 1. Substitution Request Form: Use CSI Form 13.1A.
  - 2. Documentation: Show compliance with requirements for substitutions and the following, as applicable:
    - a. Statement indicating why specified product or fabrication or installation cannot be provided, if applicable.

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

## 1.5 QUALITY ASSURANCE

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

## 1.6 PROCEDURES

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

## 1.7 SUBSTITUTIONS

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

- 1. Conditions: Architect will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:

- a. Requested substitution is consistent with the Contract Documents and will produce indicated results.
- b. Substitution request is fully documented and properly submitted.
- c. Requested substitution will not adversely affect Contractor's construction schedule.
- d. Requested substitution has received necessary approvals of authorities having jurisdiction.
- e. Requested substitution is compatible with other portions of the Work.
- f. Requested substitution has been coordinated with other portions of the Work.
- g. Requested substitution provides specified warranty.
- h. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

- B. Substitutions for Convenience: Architect will consider requests for substitution if received within 15 days after the Notice of Award. Requests received after that time may be considered or rejected at discretion of Architect.

- 1. Conditions: Architect will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:

- a. Requested substitution offers Owner a substantial advantage in cost, time, energy conservation, or other considerations, after deducting additional responsibilities Owner must assume. Owner's additional responsibilities may include compensation to Architect for redesign and evaluation services, increased cost of other construction by Owner, and similar considerations.
- b. Requested substitution does not require extensive revisions to the Contract Documents.
- c. Requested substitution is consistent with the Contract Documents and will produce indicated results.
- d. Substitution request is fully documented and properly submitted.
- e. Requested substitution will not adversely affect Contractor's construction schedule.
- f. Requested substitution has received necessary approvals of authorities having jurisdiction.
- g. Requested substitution is compatible with other portions of the Work.
- h. Requested substitution has been coordinated with other portions of the Work.
- i. Requested substitution provides specified warranty.
- j. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

**END OF SECTION 012500**

## **SECTION 012600 - CONTRACT MODIFICATION PROCEDURES**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

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

#### **1.3 MINOR CHANGES IN THE WORK**

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

#### **1.4 PROPOSAL REQUESTS**

- A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
  - 1. Work Change Proposal Requests issued by Architect are not instructions either to stop work in progress or to execute the proposed change.
  - 2. Within 10 days, when not otherwise specified, after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.
    - a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
    - b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.



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

## **1.5 ADMINISTRATIVE CHANGE ORDERS**

- A. Unit-Price Adjustment: See Section 012200 "Unit Prices" for administrative procedures for preparation of Change Order Proposal for adjusting the Contract Sum to reflect measured scope of unit-price work.

## **1.6 CHANGE ORDER PROCEDURES**

- A. On Owner's approval of a Work Changes Proposal Request, Architect will issue a Change Order for signatures of Owner and Contractor on AIA Document G701.

## **1.7 CONSTRUCTION CHANGE DIRECTIVE**

- A. Construction Change Directive: Architect may issue a Construction Change Directive on AIA Document G714. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.

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

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

**END OF SECTION 012600**

## **SECTION 012900 - PAYMENT PROCEDURES**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes administrative and procedural requirements necessary to prepare and process Applications for Payment.
- B. Related Requirements:
  - 1. Section 012200 "Unit Prices" for administrative requirements governing the use of unit prices.
  - 2. Section 012600 "Contract Modification Procedures" for administrative procedures for handling changes to the Contract.
  - 3. Section 013200 "Construction Progress Documentation" for administrative requirements governing the preparation and submittal of the Contractor's construction schedule.

#### **1.3 DEFINITIONS**

- A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

#### **1.4 SCHEDULE OF VALUES**

- A. Coordination: Coordinate preparation of the schedule of values with preparation of Contractor's construction schedule.
  - 1. Coordinate line items in the schedule of values with other required administrative forms and schedules, including the following:
    - a. Application for Payment forms with continuation sheets.
    - b. Submittal schedule.
    - c. Items required to be indicated as separate activities in Contractor's construction schedule.

2. Submit the schedule of values to Architect at earliest possible date, but no later than seven days before the date scheduled for submittal of initial Applications for Payment.
  3. Subschedules for Phased Work: At Contractor's option, where the Work is separated into phases requiring separately phased payments, provide subschedules showing values coordinated with each phase of payment.
- B. Format and Content: Use Project Manual table of contents as a guide to establish line items for the schedule of values. Provide at least one line item for each Specification Section.
1. Identification: Include the following Project identification on the schedule of values:
    - a. Project name and location.
    - b. Name of Architect.
    - c. Architect's project number.
    - d. Contractor's name and address.
    - e. Date of submittal.
  2. Arrange schedule of values consistent with format of AIA Document G703.
  3. Arrange the schedule of values in tabular form with separate columns to indicate the following for each item listed:
    - a. Related Specification Section or Division.
    - b. Change Orders (numbers) that affect value.
    - c. Dollar value of the following, as a percentage of the Contract Sum to nearest one-hundredth percent, adjusted to total 100 percent.
      - 1) Labor.
      - 2) Materials.
      - 3) Equipment.
  4. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with Project Manual table of contents. Provide multiple line items for principal subcontract amounts in excess of five percent of the Contract Sum.
    - a. Include separate line items under Contractor and principal subcontracts for Project closeout requirements in an amount totaling five percent of the Contract Sum and subcontract amount.
  5. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
  6. Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.

- a. Differentiate between items stored on-site and items stored off-site. If required, include evidence of insurance.
7. Provide separate line items in the schedule of values for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.
8. Each item in the schedule of values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.
  - a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the schedule of values or distributed as general overhead expense, at Contractor's option.
9. Schedule Updating: Update and resubmit the schedule of values before the next Applications for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

## **1.5 APPLICATIONS FOR PAYMENT**

- A. Each Application for Payment following the initial Application for Payment shall be consistent with previous applications and payments as certified by Architect and paid for by Owner.
  1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.
- B. Payment Application Times: Submit Application for Payment to Architect by the 28th of the month. The period covered by each Application for Payment is one month, ending on the last day of the month.
  1. Submit draft copy of Application for Payment seven days prior to due date for review by Architect.
- C. Application for Payment Forms: Use AIA Document G702 and AIA Document G703 as form for Applications for Payment.
- D. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Architect will return incomplete applications without action.
  1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.
  2. Include amounts for work completed following previous Application for Payment, whether or not payment has been received. Include only amounts for work completed at time of Application for Payment.

3. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.
  4. Indicate separate amounts for work being carried out under Owner-requested project acceleration.
- E. Retainage: Partial payments to the Contractor for work performed and materials delivered to the site shall be made at 92% of the value of the work until the project is 50% complete. All work performed and material delivered to the site after the work is 50% complete shall be paid at 100% of the value.
- F. Stored Materials: Include in Application for Payment amounts applied for materials or equipment purchased or fabricated and stored, but not yet installed. Differentiate between items stored on-site and items stored off-site.
1. Provide certificate of insurance, evidence of transfer of title to Owner, and consent of surety to payment, for stored materials.
  2. Provide supporting documentation that verifies amount requested, such as paid invoices. Match amount requested with amounts indicated on documentation; do not include overhead and profit on stored materials.
  3. Provide summary documentation for stored materials indicating the following:
    - a. Value of materials previously stored and remaining stored as of date of previous Applications for Payment.
    - b. Value of previously stored materials put in place after date of previous Application for Payment and on or before date of current Application for Payment.
    - c. Value of materials stored since date of previous Application for Payment and remaining stored as of date of current Application for Payment.
- G. Transmittal: Submit signed and notarized original copies of each Application for Payment to Architect by a method ensuring receipt within 24 hours. Include waivers of lien and similar attachments if required.
1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.
- H. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's liens from subcontractors, sub-subcontractors, and suppliers for construction period covered by the previous application.
1. Submit partial waivers on each item for amount requested in previous application, after deduction for retainage, on each item.
  2. When an application shows completion of an item, submit conditional final or full waivers.
  3. Owner reserves the right to designate which entities involved in the Work must submit waivers.

4. Submit final Application for Payment with or preceded by conditional final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
  5. Waiver Forms: Submit executed waivers of lien on forms, acceptable to Owner.
- I. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
1. List of subcontractors.
  2. Schedule of values.
  3. Contractor's construction schedule (preliminary if not final).
  4. Products list (preliminary if not final).
  5. Schedule of unit prices.
  6. Submittal schedule (preliminary if not final).
  7. List of Contractor's staff assignments.
  8. Certificates of insurance and insurance policies.
  9. Performance and payment bonds.
- J. Application for Payment at Substantial Completion: After Architect issues the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.
1. Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.
  2. This application shall reflect Certificate(s) of Substantial Completion issued previously for Owner occupancy of designated portions of the Work.
- K. Final Payment Application: After completing Project closeout requirements, submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
  2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
  3. Updated final statement, accounting for final changes to the Contract Sum.
  4. Contractor's Affidavits and releases for liens and prevailing wages.
  5. Consent of Surety to Final Payment.
  6. Evidence that claims have been settled.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

**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. Requests for Information (RFIs).
  - 3. Digital project management procedures.
  - 4. Project meetings.
- B. Related Requirements:
  - 1. Section 013200 "Construction Progress Documentation" for preparing and submitting Contractor's construction schedule.
  - 2. Section 017300 "Execution" for procedures for coordinating general installation and field-engineering services.
  - 3. Section 017700 "Closeout Procedures" for coordinating closeout of the Contract.

#### **1.3 DEFINITIONS**

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

#### **1.4 INFORMATIONAL SUBMITTALS**

- A. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form:
  - 1. Name, address, and telephone number 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.
- B. Key Personnel Names: Within 5 days of starting construction operations, submit a list of key personnel assignments, including superintendent and other personnel in attendance at Project site. Identify individuals and their duties and responsibilities; list addresses and telephone numbers, including home, office, and cellular telephone numbers and e-mail addresses. Provide names, addresses, and telephone numbers of individuals assigned as alternates in the absence of individuals assigned to Project.
1. Post copies of list at Project site and keep list current at all times.

## 1.5 GENERAL COORDINATION PROCEDURES

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations, included in different Sections, which 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. Prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as required notices, reports, and list of attendees at meetings.
- C. 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. Project closeout activities.
- D. Conservation: Coordinate construction activities to ensure that operations are carried out with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.

## 1.6 REQUESTS FOR INFORMATION (RFIs)

- A. General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.
1. Architect will return RFIs submitted to Architect by other entities controlled by Contractor with no response.
  2. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.
- B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
1. Project name.
  2. Project number.
  3. Date.
  4. Name of Contractor.
  5. Name of Architect.
  6. RFI number, numbered sequentially.
  7. RFI subject.
  8. Specification Section number and title and related paragraphs, as appropriate.
  9. Drawing number and detail references, as appropriate.
  10. Field dimensions and conditions, as appropriate.
  11. Contractor's suggested resolution. If Contractor's suggested resolution impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
  12. Contractor's signature.
  13. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
    - a. Include dimensions, thicknesses, structural grid references, and details of affected materials, assemblies, and attachments on attached sketches.
- C. RFI Forms: AIA Document G716, or Software-generated form with substantially the same content as indicated above, acceptable to Architect.
1. Attachments shall be electronic files in Adobe Acrobat PDF format.
- D. Architect's Action: Architect will review each RFI, determine action required, and respond. Allow five working days for Architect's response for each RFI. RFIs received by Architect after 1:00 p.m. will be considered as received the following working day.
1. The following Contractor-generated RFIs will be returned without action:
    - a. Requests for approval of submittals.
    - b. Requests for approval of substitutions.
    - c. Requests for approval of Contractor's means and methods.

- d. Requests for coordination information already indicated in the Contract Documents.
  - e. Requests for adjustments in the Contract Time or the Contract Sum.
  - f. Requests for interpretation of Architect's actions on submittals.
  - g. Incomplete RFIs or inaccurately prepared RFIs.
2. Architect's action may include a request for additional information, in which case Architect's time for response will date from time of receipt of additional information.
  3. Architect's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Section 012600 "Contract Modification Procedures."
    - a. If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Architect in writing within 5 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. Use CSI Log Form 13.2B or Software log with not less than 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 action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect within five days if Contractor disagrees with response.
1. Identification of related Minor Change in the Work, Construction Change Directive, and Proposal Request, as appropriate.

## **1.7 DIGITAL PROJECT MANAGEMENT PROCEDURES**

- A. Use of Architect's Digital Data Files: Digital data files of Architect's BIM model or AutoCAD drawings will be provided by Architect for Contractor's use during construction.
1. Digital data files may be used by Contractor in preparing coordination drawings, Shop Drawings, and Project record Drawings.
  2. Architect makes no representations as to the accuracy or completeness of digital data files as they relate to Contract Drawings.
  3. Contractor shall execute Architect's digital data and indemnification form.

- a. Subcontractors, and other parties granted access by Contractor to Architect's digital data files shall execute Architect's digital data and indemnification form.
4. The following digital data files will be furnished for each appropriate discipline:
  - a. Floor plans.
- B. Web-Based Project Software: At Contractor's option, provide, administer, and use web-based Project software site for purposes of hosting and managing Project communication and documentation until Final Completion.
  1. At completion of Project, provide digital archive in format that is readable by common desktop software applications in format acceptable to Architect. Provide data in locked format to prevent further changes.
- C. 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.

## 1.8 PROJECT MEETINGS

- A. General: Schedule and conduct meetings and conferences at Project site unless otherwise indicated.
  1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner and Architect of scheduled meeting dates and times.
  2. Agenda: Prepare the meeting agenda. Distribute the agenda to all invited attendees.
  3. Minutes: Entity responsible for conducting meeting will record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Architect, within three days of the meeting.
- B. Preconstruction Conference: Architect will schedule and conduct a preconstruction conference before starting construction, at a time convenient to Owner and Contractor, but no later than 10 days after execution of the Agreement.
  1. Conduct the conference to review responsibilities and personnel assignments.

2. Attendees: Authorized representatives of Owner; Architect and their consultants; Contractor and its superintendent; major subcontractors; 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.
  3. Agenda: Discuss items of significance that could affect progress, including the following:
    - a. Tentative construction schedule.
    - b. Phasing
    - c. Critical work sequencing and long-lead items.
    - d. Designation of key personnel and their duties.
    - e. Lines of communications.
    - f. Use of web-based software.
    - 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 existing building.
    - o. Work restrictions.
    - p. Working hours.
    - q. Owner's occupancy requirements.
    - r. Responsibility for temporary facilities and controls.
    - s. Procedures for disruptions.
    - t. Parking availability.
    - u. Office, work, and storage areas.
    - v. Equipment deliveries and priorities.
    - w. Security.
    - x. Progress cleaning.
  4. Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes.
- C. Progress Meetings: Conduct progress meetings at regular, appropriate 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 utilization.
    - 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.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION (Not Used)**

**END OF SECTION 013100**

## **SECTION 013200 - CONSTRUCTION PROGRESS DOCUMENTATION**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
  - 1. Contractor's construction schedule.
  - 2. Construction schedule updating reports.
  - 3. Daily construction reports.
  - 4. Material location reports.
  - 5. Site condition reports.
  - 6. Special reports.
- B. Related Requirements:
  - 1. Section 013300 "Submittal Procedures" for submitting schedules and reports.

#### **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 electronic file.
- B. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.
- C. Construction Schedule Updating Reports: Submit with Applications for Payment.
- D. Daily Construction Reports: Submit at bi-weekly intervals.
- E. Material Location Reports: Submit at bi-weekly intervals.
- F. Site Condition Reports: Submit at time of discovery of differing conditions.
- G. Special Reports: Submit at time of unusual event.

## **1.4 COORDINATION**

- A. Coordinate preparation and processing of schedules and reports with performance of construction activities and with scheduling and reporting of separate contractors.
- B. Coordinate Contractor's construction schedule with the schedule of values, list of subcontracts, 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.

## **PART 2 - PRODUCTS**

### **2.1 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL**

- A. Time Frame: Extend schedule from date established for the Notice to Proceed to date of final completion.
  - 1. Contract completion date shall not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by Change Order.
- B. Activities: Treat each 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 long lead items and major items, requiring a cycle of more than 60 days, as separate activities in schedule. Procurement cycle activities include, but are not limited to, submittals, approvals, purchasing, fabrication, and delivery.
  - 3. Submittal Review Time: Include review and resubmittal times indicated in Section 013300 "Submittal Procedures" in schedule. Coordinate submittal review times in Contractor's construction schedule with submittal schedule.
  - 4. 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 15 days for completion of punch list items and final completion.
- C. Constraints: Include constraints and work restrictions indicated in the Contract Documents and show how the sequence of the Work is affected.
  - 1. Phasing: Arrange list of activities on schedule by phase.



2. Work Restrictions: Show the effect of the following items on the schedule:
  - a. Coordination with existing construction.
  - b. Limitations of continued occupancies.
  - c. Partial occupancy before Substantial Completion.
  - d. Use-of-premises restrictions.
  - e. Environmental control.
  
- D. Milestones: Include milestones indicated in the Contract Documents in schedule, including, but not limited to, the Notice to Proceed, Substantial Completion, and final completion.
  
- 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 Contract Time.
  
- F. Contractor's Construction Schedule Updating: At bi-weekly intervals, update schedule to reflect actual construction progress and activities. Issue schedule 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, and equipment required to achieve compliance, and date by which recovery will be accomplished.

## **2.2 CONTRACTOR'S CONSTRUCTION SCHEDULE (GANTT CHART)**

- A. Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal, Gantt-chart-type, Contractor's construction schedule within 15 days of date established for the Notice to Proceed.

- B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line.

## 2.3 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. Approximate count of personnel at Project site.
  - 3. Material deliveries.
  - 4. Accidents.
  - 5. Meetings and significant decisions.
  - 6. Unusual events (see special reports).
  - 7. Stoppages, delays, shortages, and losses.
  - 8. Partial completions and occupancies.
  - 9. Substantial Completions authorized.
- B. Material Location Reports: At bi-weekly intervals, prepare and submit a comprehensive list of materials delivered to and stored at Project site. List shall be cumulative, showing materials previously reported plus items recently delivered. Include with list a statement of progress on and delivery dates for materials or items of equipment fabricated or stored away from Project site. Indicate the following categories for stored materials:
  - 1. Material stored prior to previous report and remaining in storage.
  - 2. Material stored prior to previous report and since removed from storage and installed.
  - 3. Material stored following previous report and remaining in storage.
- C. 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.

## 2.4 SPECIAL REPORTS

- A. General: Submit special reports directly to Owner within one day of an occurrence. Distribute copies of report to parties affected by the occurrence.
- B. Reporting Unusual Events: When an event of an unusual and significant nature occurs at Project site, whether or not related directly to the Work, prepare and submit a special report. List chain of events, persons participating, response by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise Owner in advance when these events are known or predictable.

## **PART 3 - EXECUTION**

### **3.1 CONTRACTOR'S CONSTRUCTION SCHEDULE**

- A. Scheduling Consultant: Engage a consultant to provide planning, evaluation, and reporting using CPM scheduling.
  - 1. In-House Option: Owner may waive the requirement to retain a consultant if Contractor employs skilled personnel with experience in CPM scheduling and reporting techniques. Submit qualifications.
  - 2. Meetings: Scheduling consultant shall attend all meetings related to Project progress, alleged delays, and time impact.
  
- B. Contractor's Construction Schedule Updating: At bi-weekly intervals, update schedule to reflect actual construction progress and activities. Issue schedule before each 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.
  
- C. Distribution: Distribute copies of approved schedule to Architect, Owner, separate contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
  - 1. Post copies in Project meeting rooms and temporary field offices.
  - 2. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

**END OF SECTION 013200**

## **SECTION 013300 - SUBMITTAL PROCEDURES**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes requirements for the submittal schedule and administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other submittals.
- B. Related Requirements:
  - 1. Section 012900 "Payment Procedures" for submitting Applications for Payment and the schedule of values.
  - 2. Section 013100 "Project Management and Coordination" for submitting subcontract list and for requirements for web-based Project software.
  - 3. Section 013200 "Construction Progress Documentation" for submitting schedules and reports, including Contractor's construction schedule.
  - 4. Section 017823 "Operation and Maintenance Data" for submitting operation and maintenance manuals.
  - 5. Section 017839 "Project Record Documents" for submitting record Drawings, record Specifications, and record Product Data.

#### **1.3 DEFINITIONS**

- A. Action Submittals: Written and graphic information and physical samples that require Architect's responsive action. Action submittals are those submittals indicated in individual Specification Sections as "action submittals."
- B. Informational Submittals: Written and graphic information and physical samples that do not require Architect's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as "informational submittals."
- C. Portable Document Format (PDF): An open standard file format licensed by Adobe Systems used for representing documents in a device-independent and display resolution-independent fixed-layout document format.

## 1.4 ACTION SUBMITTALS

- A. Submittal Schedule: Submit a schedule of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, ordering, manufacturing, fabrication, and delivery when establishing dates. Include additional time required for making corrections or revisions to submittals noted by Architect and additional time for handling and reviewing submittals required by those corrections.
1. Coordinate submittal schedule with list of subcontracts, the schedule of values, and Contractor's construction schedule.
  2. Final Submittal: Submit concurrently with the first complete submittal of Contractor's construction schedule.
    - a. Submit revised submittal schedule to reflect changes in current status and timing for submittals.
  3. Format: Arrange the following information in a tabular format:
    - a. Scheduled date for first submittal.
    - b. Specification Section number and title.
    - c. Submittal category: Action; informational.
    - d. Name of subcontractor.
    - e. Description of the Work covered.
    - f. Scheduled date for Architect's final release or approval.
    - g. Scheduled date of fabrication.

## 1.5 SUBMITTAL ADMINISTRATIVE REQUIREMENTS

- A. Architect's Digital Data Files: Electronic digital data files of the Contract Drawings will be provided by Architect for Contractor's use in preparing submittals.
1. If requested, Architect will furnish Contractor one set of digital data drawing files of the Contract Drawings for use in preparing Shop Drawings and Project record drawings.
    - a. Architect makes no representations as to the accuracy or completeness of digital data drawing files as they relate to the Contract Drawings.
    - b. Digital Drawing Software Program: The Contract Drawings are available in AutoCAD.
- 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 in same packages under same 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 will advise Contractor when a submittal being processed must be delayed for coordination.
  2. Intermediate Review: If intermediate submittal is necessary, process it in same manner as initial submittal.
  3. Resubmittal Review: Allow 15 days for review of each resubmittal.
- D. Electronic Submittals: Identify and incorporate information in each electronic submittal file 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.
    - a. File name shall use project identifier and Specification Section number followed by a decimal point and then a sequential number (e.g., LNHS-061000.01). Resubmittals shall include an alphabetic suffix after another decimal point (e.g., LNHS-061000.01.A).
  3. Provide means for insertion to permanently record Contractor's review and approval markings and action taken by Architect.
  4. Transmittal Form for Electronic Submittals: Use electronic form acceptable to Owner, containing the following information:
    - a. Project name.
    - b. Date.
    - c. Name and address of Architect.
    - d. Name of Contractor.
    - e. Name of firm or entity that prepared submittal.
    - f. Names of subcontractor, manufacturer, and supplier.
    - g. Category and type of submittal.
    - h. Submittal purpose and description.
    - i. Specification Section number and title.

- j. Specification paragraph number or drawing designation and generic name for each of multiple items.
  - k. Drawing number and detail references, as appropriate.
  - l. Location(s) where product is to be installed, as appropriate.
  - m. Related physical samples submitted directly.
  - n. Indication of full or partial submittal.
  - o. Transmittal number, numbered consecutively.
  - p. Submittal and transmittal distribution record.
  - q. Other necessary identification.
  - r. Remarks.
- E. Options: Identify options requiring selection by Architect.
- F. Deviations and Additional Information: On an attached separate sheet, prepared on Contractor's letterhead, record relevant information, requests for data, revisions other than those requested by Architect on previous submittals, and deviations from requirements in the Contract Documents, including minor variations and limitations. Include same identification information as related submittal.
- G. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.
- 1. Note date and content of previous submittal.
  - 2. Note date and content of revision in label or title block and clearly indicate extent of revision.
  - 3. Resubmit submittals until they are marked with approval notation from Architect's action stamp.
- H. 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.
- I. 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.

## **PART 2 - PRODUCTS**

### **2.1 SUBMITTAL PROCEDURES**

- A. General Submittal Procedure Requirements: Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
- 1. Submit electronic submittals via email as PDF electronic files.

- a. Architect will return annotated file. Annotate and retain one copy of file as an electronic Project record document file.
  2. Certificates and Certifications Submittals: Provide a statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity.
    - a. Provide a digital signature with digital certificate on electronically submitted certificates and certifications where indicated.
    - b. Provide a notarized statement on original paper copy certificates and certifications where indicated.
- B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
  1. If information must be specially prepared for submittal because standard published data are not suitable for use, submit as Shop Drawings, not as Product Data.
  2. Mark each copy of each submittal to show which products and options are applicable.
  3. Include the following information, as applicable:
    - a. Manufacturer's catalog cuts.
    - b. Manufacturer's product specifications.
    - c. Standard color charts.
    - d. Statement of compliance with specified referenced standards.
    - e. Testing by recognized testing agency.
    - f. Application of testing agency labels and seals.
    - g. Notation of coordination requirements.
    - h. Availability and delivery time information.
  4. Submit Product Data before or concurrent with Samples.
  5. Submit Product Data in the following format:
    - a. PDF electronic file.
- C. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data, 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.
2. Sheet Size: Except for templates, patterns, and similar full-size drawings, submit Shop Drawings on sheets at least 8-1/2 by 11 inches (215 by 280 mm), but no larger than 30 by 42 inches (750 by 1067 mm).
  3. Submit Shop Drawings in the following format:
    - a. PDF electronic file.
- D. Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other elements and for a comparison of these characteristics between submittal and actual component as delivered and installed.
1. Transmit Samples that contain multiple, related components such as accessories together in one submittal package.
  2. Identification: Attach label on unexposed side of Samples that includes the following:
    - a. Generic description of Sample.
    - b. Product name and name of manufacturer.
    - c. Sample source.
    - d. Number and title of applicable Specification Section.
    - e. Specification paragraph number and generic name of each item.
  3. For projects where electronic submittals are required, provide corresponding electronic submittal of Sample transmittal, digital image file illustrating Sample characteristics, and identification information for record.
  4. 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 not incorporated into the Work, or otherwise designated as Owner's property, are the property of Contractor.
  5. 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 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.

6. 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 three sets of Samples. Architect will retain two 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.
- E. 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:
  1. Type of product. Include unique identifier for each product indicated in the Contract Documents or assigned by Contractor if none is indicated.
  2. Manufacturer and product name, and model number if applicable.
  3. Number and name of room or space.
  4. Location within room or space.
  5. Submit product schedule in the following format:
    - a. PDF electronic file.
- F. Contractor's Construction Schedule: Comply with requirements specified in Section 013200 "Construction Progress Documentation."
- G. Application for Payment and Schedule of Values: Comply with requirements specified in Section 012900 "Payment Procedures."
- H. Closeout Submittals and Maintenance Material Submittals: Comply with requirements specified in Section 017700 "Closeout Procedures."
- I. Maintenance Data: Comply with requirements specified in Section 017823 "Operation and Maintenance Data."
- J. 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.

- K. **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.
- L. **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.
- M. **Product Certificates:** Submit written statements on manufacturer's letterhead certifying that product complies with requirements in the Contract Documents.
- N. **Material Certificates:** Submit written statements on manufacturer's letterhead certifying that material complies with requirements in the Contract Documents.
- O. **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.
- P. **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.
- Q. **Research Reports:** Submit written evidence, from a model code organization acceptable to authorities having jurisdiction, that product complies with building code in effect for Project. Include the following information:
  - 1. Name of evaluation organization.
  - 2. Date of evaluation.
  - 3. Time period when report is in effect.
  - 4. Product and manufacturers' names.
  - 5. Description of product.
  - 6. Test procedures and results.
  - 7. Limitations of use.
- R. **Design Data:** Prepare and submit written and graphic information, including, but not limited to, performance and design criteria, list of applicable codes and regulations, and calculations. Include list of assumptions and other performance and design criteria and a summary of loads. Include load diagrams if applicable. Provide name and version of software, if any, used for calculations. Include page numbers.

## **PART 3 - EXECUTION**

### **3.1 CONTRACTOR'S REVIEW**

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

### **3.2 ARCHITECT'S ACTION**

- A. Action Submittals: Architect will review each submittal, make marks to indicate corrections or revisions required, and return it. Architect will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action.
- 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. Submittals not required by the Contract Documents may be returned by the Architect without action.

**END OF SECTION 013300**

## **SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.
- B. Related Requirements:
  - 1. Section 011000 "Summary" for work restrictions and limitations on utility interruptions.

#### **1.3 USE CHARGES**

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

#### **1.4 INFORMATIONAL SUBMITTALS**

- A. Site Utilization Plan: Show temporary facilities, storage container locations, utility connections, staging areas, and parking areas for construction personnel.
- B. Project Identification and Temporary Signs: If utilized, show fabrication and installation details, including plans, elevations, details, layouts, typestyles, graphic elements, and message content

- C. Fire-Safety Program: Show compliance with requirements of NFPA 241 and authorities having jurisdiction. Indicate Contractor personnel responsible for management of fire-prevention program.
- D. Dust and HVAC Control Plan: Submit coordination drawing and narrative that indicates the dust and HVAC control measures proposed for use, proposed locations, and proposed time frame for their operation. Include the following:
  - 1. Locations of dust-control partitions at each phase of work.
  - 2. HVAC system isolation schematic drawing.
  - 3. Location of proposed air-filtration system discharge.
  - 4. Waste-handling procedures.
  - 5. Other dust-control measures.
- E. Noise and Vibration Control Plan: Identify construction activities that may impact the occupancy and use of existing spaces within the building, or adjacent existing buildings, whether occupied by others, or occupied by the Owner. Include the following:
  - 1. Methods used to meet the goals and requirements of the Owner.
  - 2. Indicate activities that may disturb building occupants and that are planned to be performed during non-standard working hours as coordinated with the Owner.
  - 3. Indicate locations of sensitive areas or other areas requiring special attention as identified by Owner. Indicate means for complying with Owner's requirements.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. Polyethylene Sheet: Reinforced, fire-resistive sheet, 10-mil minimum thickness, with flame-spread rating of 15 or less in accordance with ASTM E84 and passing NFPA 701 Test Method 2.
- B. Dust-Control Adhesive-Surface Walk-Off Mats: Provide mats, minimum 36 by 60 inches.

### **2.2 TEMPORARY FACILITIES**

- A. Field Offices: Owner will provide conditioned interior space for field offices for duration of Project.
- B. Storage and Fabrication Sheds: Provide sheds sized, furnished, and equipped to accommodate materials and equipment for construction operations.
  - 1. Store combustible materials apart from building.

## **2.3 EQUIPMENT**

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.
- B. HVAC Equipment: If required, provide vented, self-contained, equipment with individual space thermostatic control.
  - 1. While performing dust generating activities where HVAC system isolation is not possible or desired, protect existing HVAC System by providing filter with MERV of 8 at each return-air grille in system and remove at end of construction, and clean HVAC system as required in Section 017700 "Closeout Procedures.
- C. Air-Filtration Units: Primary and secondary HEPA-filter-equipped portable units with four-stage filtration. Provide single switch for emergency shutoff. Configure to run continuously.

## **PART 3 - EXECUTION**

### **3.1 TEMPORARY FACILITIES, GENERAL**

- A. Conservation: Coordinate construction and use of temporary facilities with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.

### **3.2 INSTALLATION, GENERAL**

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.
- C. Isolation of Work Areas in Occupied Facilities: Prevent dust, fumes, and odors from entering occupied areas.
  - 1. Prior to commencing work, isolate the HVAC system in area where work is to be performed according to coordination drawings.
    - a. Disconnect supply and return ductwork in work area from HVAC systems servicing occupied areas.
    - b. Maintain negative air pressure within work area, using HEPA-equipped air-filtration units, starting with commencement of temporary partition

construction, and continuing until removal of temporary partitions is complete.

2. Maintain dust partitions during the Work. Use vacuum collection attachments on dust-producing equipment. Isolate limited work within occupied areas using portable dust-containment devices.
3. Perform daily construction cleanup and final cleanup using approved, HEPA-filter-equipped vacuum equipment.

### **3.3 TEMPORARY UTILITY INSTALLATION**

- A. General: Install temporary service or connect to existing service.
  1. Arrange with Owner for time when service can be interrupted, if necessary, to make connections for temporary services.
- B. Water Service: Connect to Owner's existing water service facilities. Clean and maintain water service facilities in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use.
- C. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
  1. Use of Owner's Existing Toilets: Use of Owner's existing toilet facilities will be permitted, as long as facilities are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use.
- D. Isolation of Work Areas in Occupied Facilities: Prevent dust, fumes, and odors from entering occupied areas.
  1. Prior to commencing work, isolate the HVAC system in area where work is to be performed.
  2. Perform daily construction cleanup and final cleanup using approved equipment.
- E. Electric Power Service: Connect to Owner's existing electric power service. Maintain equipment in a condition acceptable to Owner.

### **3.4 SUPPORT FACILITIES INSTALLATION**

- A. Comply with the following:
  1. Do not provide temporary field offices, shops, or sheds within 30 feet of building lines if combustible in accordance with ASTM E136. Comply with NFPA 241.
  2. Utilize designated area within existing building for temporary field offices.



3. Maintain support facilities until Architect schedules Substantial Completion inspection. Remove before Substantial Completion.
- B. Temporary Use of Existing Roads and Paved Areas: Maintain roads and paved areas.
1. Restore paved areas to existing condition, including resurfacing with hot-mix asphalt pavement, immediately before Substantial Completion.
- C. Parking: Use designated areas of Owner's existing parking areas for construction personnel.
- D. Storage and Staging: Use designated areas of Project site for storage and staging needs
- E. Project Signs: Provide Project signs as required. Unauthorized signs are not permitted.
1. Identification and Temporary Signs: Provide Project identification signs and/or other signs as required to inform public and individuals seeking entrance to Project.
    - a. Provide temporary, directional signs for construction personnel and visitors.
  2. Maintain and touchup signs so they are legible at all times.
- F. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with progress cleaning requirements in Section 017300 "Execution."
- G. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.
- H. Existing Elevator Use: Use of Owner's existing elevators will be permitted, provided elevators are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore elevators to condition existing before initial use.
1. Do not load elevators beyond their rated weight capacity.
  2. Provide protective coverings, barriers, devices, signs, or other procedures to protect elevator car and entrance doors and frame. If, despite such protection, elevators become damaged, engage Owner's elevator maintenance vendor to restore damaged work, so no evidence remains of correction work. Return items that cannot be refinished in field to the shop, make required repairs and refinish entire unit, or provide new units as required.
- I. Existing Stair Usage: Use of Owner's existing stairs will be permitted, provided stairs are cleaned and maintained in a condition acceptable to Owner. At Substantial Completion, restore stairs to condition existing before initial use.

1. Provide protective coverings, barriers, devices, signs, or other procedures to protect stairs and to maintain means of egress. If stairs become damaged, restore damaged areas, so no evidence remains of correction work.

### **3.5 SECURITY AND PROTECTION FACILITIES INSTALLATION**

- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.
- B. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
- C. Temporary Egress: Provide temporary egress from existing occupied facilities as required by authorities having jurisdiction. Provide signage directing occupants to temporary egress.
- D. Temporary Partitions: Provide floor-to-ceiling dustproof partitions to limit dust and dirt migration and to separate areas occupied by Owner from fumes and noise.
  1. Construct dustproof partitions with two layers of 6-mil polyethylene sheet on each side. Cover floor with two layers of 6-mil polyethylene sheet, extending sheets 18 inches up the sidewalls. Overlap and tape full length of joints.
  2. Provide walk-off mats at each entrance through temporary partition.

### **3.6 OPERATION, TERMINATION, AND REMOVAL**

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

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

**END OF SECTION 015000**

## **SECTION 016000 - PRODUCT REQUIREMENTS**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes administrative and procedural requirements for selection of products for use in Project; product delivery, storage, and handling; manufacturers' standard warranties on products; special warranties; and comparable products.
- B. Related Requirements:
  - 1. Section 012500 "Substitution Procedures" for requests for substitutions.

#### **1.3 DEFINITIONS**

- A. Products: Items obtained for incorporating into the Work, whether purchased for Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.
  - 1. Named Products: Items identified by manufacturer's product name, including make or model number or other designation shown or listed in manufacturer's published product literature that is current as of date of the Contract Documents.
  - 2. New Products: Items that have not previously been incorporated into another project or facility. Products salvaged or recycled from other projects are not considered new products.
  - 3. Comparable Product: Product that is demonstrated and approved through submittal process to have the indicated qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics that equal or exceed those of specified product.
- B. Basis-of-Design Product Specification: A specification in which a specific manufacturer's product is named and accompanied by the words "basis-of-design product," including make or model number or other designation, to establish the significant qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics for purposes of evaluating comparable products of additional manufacturers named in the specification.

#### **1.4 ACTION SUBMITTALS**

- A. Comparable Product Requests: Submit request for consideration of each comparable product. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
  - 1. Include data to indicate compliance with the requirements specified in "Comparable Products" Article.
  - 2. Architect's Action: If necessary, Architect will request additional information or documentation for evaluation within one week of receipt of a comparable product request. Architect will notify Contractor of approval or rejection of proposed comparable product request within 10 days of receipt of request, or 5 days of receipt of additional information or documentation, whichever is later.
    - a. Form of Approval: As specified in Section 013300 "Submittal Procedures."
    - b. Use product specified if Architect does not issue a decision on use of a comparable product request within time allocated.
- B. Basis-of-Design Product Specification Submittal: Comply with requirements in Section 013300 "Submittal Procedures." Show compliance with requirements.

#### **1.5 QUALITY ASSURANCE**

- A. Compatibility of Options: If Contractor is given option of selecting between two or more products for use on Project, select product compatible with products previously selected, even if previously selected products were also options.

#### **1.6 PRODUCT DELIVERY, STORAGE, AND HANDLING**

- A. Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft and vandalism. Comply with manufacturer's written instructions.
- B. Delivery and Handling:
  - 1. Schedule delivery to minimize long-term storage at Project site and to prevent overcrowding of construction spaces.
  - 2. Coordinate delivery with installation time to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other losses.
  - 3. Deliver products to Project site in an undamaged condition in manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting, and installing.
  - 4. Inspect products on delivery to determine compliance with the Contract Documents and to determine that products are undamaged and properly protected.

- C. Storage:
  - 1. Store products that are subject to damage by the elements, under cover in a weathertight enclosure above ground, with ventilation adequate to prevent condensation.
  - 2. Protect stored products from damage and liquids from freezing.

## 1.7 PRODUCT WARRANTIES

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

## PART 2 - PRODUCTS

### 2.1 PRODUCT SELECTION PROCEDURES

- A. General Product Requirements: Provide products that comply with the Contract Documents, are undamaged and, unless otherwise indicated, are new at time of installation.
  - 1. Provide products complete with accessories, trim, finish, fasteners, and other items needed for a complete installation and indicated use and effect.
  - 2. Standard Products: If available, and unless custom products or nonstandard options are specified, provide standard products of types that have been produced and used successfully in similar situations on other projects.
  - 3. Owner reserves the right to limit selection to products with warranties not in conflict with requirements of the Contract Documents.

4. Where products are accompanied by the term "as selected," Architect will make selection.
5. Descriptive, performance, and reference standard requirements in the Specifications establish salient characteristics of products.

B. Product Selection Procedures:

1. Products and Manufacturers:

- a. Restricted List: Where Specifications include a list of names of both manufacturers and products, provide one of the products listed that complies with requirements. Comparable products or substitutions for Contractor's convenience may be considered.

2. Basis-of-Design Product: Where Specifications name a product, or refer to a product indicated on Drawings, and include a list of manufacturers, provide the specified or indicated product or a comparable product by one of the other named manufacturers. Drawings and Specifications indicate sizes, profiles, dimensions, and other characteristics that are based on the product named. Comply with requirements in "Comparable Products" Article for consideration of an unnamed product by one of the other named manufacturers.

C. Visual Matching Specification: Where Specifications require "match Architect's sample" or "match existing", provide a product that complies with requirements and matches Architect's sample or existing conditions. Architect's decision will be final on whether a proposed product matches.

1. If no product available within specified category matches and complies with other specified requirements, comply with requirements in Section 012500 "Substitution Procedures" for proposal of product.

D. Visual Selection Specification: Where Specifications include the phrase "as selected by Architect from manufacturer's full range" or similar phrase, select a product that complies with requirements. Architect will select color, gloss, pattern, density, or texture from manufacturer's product line that includes both standard and premium items.

## 2.2 COMPARABLE PRODUCTS

A. Conditions for Consideration: Architect will consider Contractor's request for comparable product when the following conditions are satisfied. If the following conditions are not satisfied, Architect may return requests without action, except to record noncompliance with these requirements:

1. Evidence that the proposed product does not require revisions to the Contract Documents that it is consistent with the Contract Documents and will produce the indicated results, and that it is compatible with other portions of the Work.
2. Detailed comparison of significant qualities of proposed product with those named in the Specifications. Significant qualities include attributes such as

performance, weight, size, durability, visual effect, and specific features and requirements indicated.

3. Evidence that proposed product provides specified warranty.
4. List of similar installations for completed projects with project names and addresses and names and addresses of architects and owners, if requested.
5. Samples, if requested.

**PART 3 - EXECUTION (Not Used)**

**END OF SECTION 016000**



## **SECTION 017300 - EXECUTION**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes general administrative and procedural requirements governing execution of the Work including, but not limited to, the following:
  - 1. Construction layout.
  - 2. Installation of the Work.
  - 3. Cutting and patching.
  - 4. Progress cleaning.
  - 5. Protection of installed construction.
- B. Related Requirements:
  - 1. Section 011000 "Summary" for limits on use of Project site.
  - 2. Section 024119 "Selective Demolition" for demolition and removal of selected portions of the building.

#### **1.3 DEFINITIONS**

- A. Cutting: Removal of in-place construction necessary to permit installation or performance of other work.
- B. Patching: Fitting and repair work required to restore construction to original conditions after installation of other work.

#### **1.4 QUALITY ASSURANCE**

- A. Cutting and Patching: Comply with requirements for and limitations on cutting and patching of construction elements.
  - 1. Visual Elements: Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Do not cut and patch exposed construction in a manner that would, in Architect's opinion, reduce the building's

aesthetic qualities. Remove and replace construction that has been cut and patched in a visually unsatisfactory manner.

- B. Manufacturer's Installation Instructions: Obtain and maintain on-site manufacturer's written recommendations and instructions for installation of products.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. General: Comply with requirements specified in other Sections.
- B. In-Place Materials: Use materials for patching identical to in-place materials. For exposed surfaces, use materials that visually match in-place adjacent surfaces to the fullest extent possible.
  - 1. If identical materials are unavailable or cannot be used, use materials that, when installed, will provide a match acceptable to Architect for the visual and functional performance of in-place materials.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Existing Conditions: The existence and location of utilities and construction indicated as existing are not guaranteed. Before beginning work, investigate and verify the existence and location of construction affecting the Work.
- B. Examination and Acceptance of Conditions: Before proceeding with each component of the Work, examine substrates, areas, and conditions, with Installer or Applicator present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.
  - 1. Examine walls and roofs for suitable conditions where products and systems are to be installed.
  - 2. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
- C. Written Report: Where a written report listing conditions detrimental to performance of the Work is required by other Sections, include the following:
  - 1. Description of the Work.
  - 2. List of detrimental conditions, including substrates.
  - 3. List of unacceptable installation tolerances.
  - 4. Recommended corrections.

- D. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

### **3.2 PREPARATION**

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

### **3.3 CONSTRUCTION LAYOUT**

- A. **Verification:** Before proceeding to lay out the Work, verify layout information shown on Drawings. If discrepancies are discovered, notify Architect promptly.

### **3.4 INSTALLATION**

- A. **General:** Locate the Work and components of the Work accurately, in correct alignment, as indicated.
- B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.
- C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.
- D. Conduct construction operations so no part of the Work is subjected to damaging operations.
- E. Sequence the Work and allow adequate clearances to accommodate movement of construction items on site and placement in permanent locations.
- F. **Tools and Equipment:** Do not use tools or equipment that produce harmful noise levels.

- G. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.
- H. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.

### **3.5 CUTTING AND PATCHING**

- A. Cutting and Patching, General: Employ skilled workers to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time, and complete without delay.
  - 1. Cut in-place construction to provide for installation of other components or performance of other construction, and subsequently patch as required to restore surfaces to their original condition.
- B. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during installation or cutting and patching operations, by methods and with materials so as not to void existing warranties.
- C. Protection: Protect in-place construction during cutting and patching to prevent damage.
- D. Adjacent Occupied Areas: Where interference with use of adjoining areas or interruption of free passage to adjoining areas is unavoidable, coordinate cutting and patching according to requirements in Section 011000 "Summary."
- E. Cutting: Cut in-place construction by sawing, drilling, breaking, chipping, grinding, and similar operations, using methods least likely to damage elements retained or adjoining construction.
  - 1. In general, use hand or small power tools designed for sawing and grinding, not hammering and chopping. Cut holes and slots neatly to minimum size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
  - 2. Finished Surfaces: Cut or drill from the exposed or finished side into concealed surfaces.
  - 3. Concrete and Masonry: Cut using a cutting machine, such as an abrasive saw or a diamond-core drill.
  - 4. Proceed with patching after construction operations requiring cutting are complete.
- F. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other work. Patch with durable seams that are as invisible as practicable. Provide materials and comply with installation requirements specified in other Sections, where applicable.

1. Inspection: Where feasible, test and inspect patched areas after completion to demonstrate physical integrity of installation.
  2. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will minimize evidence of patching and refinishing.
  3. Exterior Building Enclosure: Patch components in a manner that restores enclosure to a weathertight condition and ensures thermal and moisture integrity of building enclosure.
- G. Cleaning: Clean areas and spaces where cutting and patching are performed. Remove paint, mortar, oils, putty, and similar materials from adjacent finished surfaces.

### 3.6 PROGRESS CLEANING

- A. General: Clean Project site and work areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.
1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
  2. Do not hold waste materials more than seven days during normal weather or three days if the temperature is expected to rise above 80 deg F (27 deg C).
  3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.
    - a. Use containers intended for holding waste materials of type to be stored.
  4. Coordinate progress cleaning for joint-use areas where Contractor and other contractors are working concurrently.
- B. Site: Maintain Project site free of waste materials and debris.
- C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
1. Remove liquid spills promptly.
  2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.
- D. Installed Work: Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.
- E. Exposed Surfaces in Finished Areas: Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.

- F. Waste Disposal: Do not bury or burn waste materials on-site. Do not wash waste materials down sewers or into waterways. Comply with waste disposal requirements in Section 015000 "Temporary Facilities and Controls."
- G. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.
- H. Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period.
- I. Limiting Exposures: Supervise construction operations to assure that no part of the construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

### **3.7 PROTECTION OF INSTALLED CONSTRUCTION**

- A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.
- B. Protection of Existing Items: Provide protection and ensure that existing items to remain undisturbed by construction are maintained in condition that existed at commencement of the Work.

**END OF SECTION 017300**

## **SECTION 017700 - CLOSEOUT PROCEDURES**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
  - 1. Substantial Completion procedures.
  - 2. Final Completion procedures.
  - 3. Warranties.
  - 4. Final cleaning.
  - 5. Repair of the Work.
- B. Related Requirements:
  - 1. Section 017300 "Execution" for progress cleaning of Project site.
  - 2. Section 017823 "Operation and Maintenance Data" for operation and maintenance manual requirements.
  - 3. Section 017839 "Project Record Documents" for submitting record Drawings, record Specifications, and record Product Data.

#### **1.3 ACTION SUBMITTALS**

- A. Contractor's List of Incomplete Items: Initial submittal at Substantial Completion.
- B. Certified List of Incomplete Items: Final submittal at Final Completion.

#### **1.4 SUBSTANTIAL COMPLETION PROCEDURES**

- A. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's punch list), indicating the value of each item on the list and reasons why the Work is incomplete.
- B. Procedures Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting review for determining date of Substantial Completion. List items below that are incomplete at time of request.

1. Complete testing of roof systems.
  2. Instruct Owner's personnel in maintenance of products.
  3. Terminate and remove temporary facilities from Project site, along with construction tools and similar elements.
  4. Complete final cleaning requirements, including touchup painting.
  5. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.
- C. Review: Submit a written request for review to determine Substantial Completion a minimum of 10 days prior to date the work will be completed and ready for final review and tests. On receipt of request, Architect will either proceed with review or notify Contractor of unfulfilled requirements. Architect will prepare the Certificate of Substantial Completion after review or will notify Contractor of items, either on Contractor's list or additional items identified by Architect, that must be completed or corrected before certificate will be issued.
1. Re-review: Request re-review when the Work identified in previous reviews as incomplete is completed or corrected.
  2. Results of completed review will form the basis of requirements for final completion.

## **1.5 FINAL COMPLETION PROCEDURES**

- A. Submittals Prior to Final Completion: Before requesting final review for determining final completion, complete the following:
1. Submit a final Application for Payment according to Section 012900 "Payment Procedures."
  2. Certified List of Incomplete Items: Submit certified copy of Architect's Substantial Completion review list of items to be completed or corrected (punch list), endorsed and dated by Architect. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
- B. Review: Submit a written request for final review to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final review and tests. On receipt of request, Architect will either proceed with review or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after review or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
1. Re-review: Request re-review when the Work identified in previous reviews as incomplete is completed or corrected.



## 1.6 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.
1. Organize list of spaces in sequential order.
  2. Organize items applying to each space by major element, including categories for equipment and building systems.
  3. Include the following information at the top of each page:
    - a. Project name.
    - b. Date.
    - c. Name of Architect.
    - d. Name of Contractor.
    - e. Page number.
  4. Submit list of incomplete items in one of the following formats:
    - a. MS Excel electronic file. Architect will return annotated file.
    - b. PDF electronic file. Architect will return annotated file.
    - c. Paper copies. Architect will return a copy.

## 1.7 SUBMITTAL OF PROJECT WARRANTIES

- A. Time of Submittal: Submit written warranties on request of Architect for designated portions of the Work where commencement of warranties other than date of Substantial Completion is indicated, or when delay in submittal of warranties might limit Owner's rights under warranty.
- B. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.
1. Bind warranties and bonds in heavy-duty, three-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2-by-11-inch (215-by-280-mm) paper.
  2. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark 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 Installer.
  3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project name, and name of Contractor.
  4. Warranty Electronic File Option: Scan warranties and bonds and assemble complete warranty and bond submittal package into a single indexed electronic PDF file with links enabling navigation to each item. Provide bookmarked table of contents at beginning of document.

- C. Provide additional copies of each warranty to include in operation and maintenance manuals.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

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

## **PART 3 - EXECUTION**

### **3.1 FINAL CLEANING**

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers for final cleaning. Clean each surface to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
  - 1. Complete the following cleaning operations before requesting review for certification of Substantial Completion for entire Project or for a designated portion of Project:
    - a. Clean Project site, yard, and grounds, in areas disturbed by construction activities of rubbish, waste material, litter, and other foreign substances.
    - b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
    - c. Remove tools, construction equipment, machinery, and surplus material from Project site.
    - d. Clean exposed exterior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces.
    - e. Remove debris and surface dust from roof.
    - f. Remove labels that are not permanent.
    - g. Clean glass that may have become soiled.
    - h. Leave Project clean and ready for occupancy.

### **3.2 REPAIR OF THE WORK**

- A. Complete repair and restoration operations before requesting review for determination of Substantial Completion.
- B. Repair or remove and replace defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.
  - 1. Touch up and otherwise repair and restore marred or exposed finishes and surfaces. Replace finishes and surfaces that that already show evidence of repair or restoration.

**END OF SECTION 017700**

## **SECTION 017823 - OPERATION AND MAINTENANCE DATA**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

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

#### **1.3 CLOSEOUT SUBMITTALS**

- A. Manual Content: Operations and maintenance manual content is specified in individual Specification Sections to be reviewed at the time of Section submittals. Submit reviewed manual content formatted and organized as required by this Section.
  - 1. Architect will comment on whether content of operations and maintenance submittals are acceptable.
  - 2. Where applicable, clarify and update reviewed manual content to correspond to revisions and field conditions.
- B. Format: Submit operations and maintenance manuals in the following format:
  - 1. PDF electronic file. Assemble each manual into a composite electronically indexed file. Submit on digital media acceptable to Architect.
    - a. Name each indexed document file in composite electronic index with applicable item name. Include a complete electronically linked operation and maintenance directory.
    - b. Enable inserted reviewer Comments on draft submittals.

2. Two paper copies. Include a complete operation and maintenance directory. Enclose title pages and directories in clear plastic sleeves. Architect will return both copies.
- C. Initial Manual Submittal: Submit draft copy of each manual at least 30 days before commencing demonstration and training. Architect will comment on whether general scope and content of manual are acceptable.
- D. Final Manual Submittal: Submit each manual in final form prior to requesting inspection for Substantial Completion and at least 10 days before commencing demonstration and training. Architect will return copy with comments.
  1. Correct or revise each manual to comply with Architect's comments. Submit copies of each corrected manual within 5 days of receipt of Architect's comments and prior to commencing demonstration and training.

## **PART 2 - PRODUCTS**

### **2.1 OPERATION AND MAINTENANCE DOCUMENTATION DIRECTORY**

- A. Directory: Prepare a single, comprehensive directory of operation and maintenance data and materials, listing items and their location to facilitate ready access to desired information. Include a section in the directory for each of the following:
  1. List of documents.
  2. List of systems.
  3. List of equipment.
  4. Table of contents.
- B. List of Systems and Subsystems: List systems alphabetically. Include references to operation and maintenance manuals that contain information about each system.
- C. Tables of Contents: Include a table of contents for each emergency, operation, and maintenance manual.
- D. Identification: In the documentation directory and in each operation and maintenance manual, identify each system, subsystem, and piece of equipment with same designation used in the Contract Documents. If no designation exists, assign a designation according to ASHRAE Guideline 4, "Preparation of Operating and Maintenance Documentation for Building Systems."

## 2.2 REQUIREMENTS FOR OPERATION, AND MAINTENANCE MANUALS

- A. Organization: Unless otherwise indicated, organize each manual into a separate section for each system and subsystem, and a separate section for each piece of equipment not part of a system. Each manual shall contain the following materials, in the order listed:
1. Title page.
  2. Table of contents.
  3. Manual contents.
- B. Title Page: Include the following information:
1. Subject matter included in manual.
  2. Name and address of Project.
  3. Name and address of Owner.
  4. Date of submittal.
  5. Name and contact information for Contractor.
  6. Name and contact information for Architect.
  7. Names and contact information for major consultants to the Architect that designed the systems contained in the manuals.
  8. Cross-reference to related systems in other operation and maintenance manuals.
- C. Table of Contents: List each product included in manual, identified by product name, indexed to the content of the volume, and cross-referenced to Specification Section number in Project Manual.
1. If operation or maintenance documentation requires more than one volume to accommodate data, include comprehensive table of contents for all volumes in each volume of the set.
- D. Manual Contents: Organize into sets of manageable size. Arrange contents alphabetically by system, subsystem, and equipment. If possible, assemble instructions for subsystems, equipment, and components of one system into a single binder.
- E. Manuals, Electronic Files: Submit manuals in the form of a multiple file composite electronic PDF file for each manual type required.
1. Electronic Files: Use electronic files prepared by manufacturer where available. Where scanning of paper documents is required, configure scanned file for minimum readable file size.
  2. File Names and Bookmarks: Enable bookmarking of individual documents based on file names. Name document files to correspond to system, subsystem, and equipment names used in manual directory and table of contents. Group documents for each system and subsystem into individual composite bookmarked files, then create composite manual, so that resulting bookmarks reflect the system, subsystem, and equipment names in a readily navigated file tree. Configure electronic manual to display bookmark panel on opening file.

- F. Manuals, Paper Copy: Submit manuals in the form of hard copy, bound and labeled volumes.
1. Binders: Heavy-duty, three-ring, vinyl-covered, loose-leaf binders, in thickness necessary to accommodate contents, sized to hold 8-1/2-by-11-inch (215-by-280-mm) paper; with clear plastic sleeve on spine to hold label describing contents and with pockets inside covers to hold folded oversize sheets.
    - a. If two or more binders are necessary to accommodate data of a system, organize data in each binder into groupings by subsystem and related components. Cross-reference other binders if necessary to provide essential information for proper operation or maintenance of equipment or system.
    - b. Identify each binder on front and spine, with printed title "OPERATION AND MAINTENANCE MANUAL," Project title or name, subject matter of contents. Indicate volume number for multiple-volume sets.
  2. Dividers: Heavy-paper dividers with plastic-covered tabs for each section of the manual. Mark each tab to indicate contents. Include typed list of products and major components of equipment included in the section on each divider, cross-referenced to Specification Section number and title of Project Manual.
  3. Protective Plastic Sleeves: Transparent plastic sleeves designed to enclose diagnostic software storage media for computerized electronic equipment.
  4. Supplementary Text: Prepared on 8-1/2-by-11-inch (215-by-280-mm) white bond paper.
  5. Drawings: Attach reinforced, punched binder tabs on drawings and bind with text.
    - a. If oversize drawings are necessary, fold drawings to same size as text pages and use as foldouts.
    - b. If drawings are too large to be used as foldouts, fold and place drawings in labeled envelopes and bind envelopes in rear of manual. At appropriate locations in manual, insert typewritten pages indicating drawing titles, descriptions of contents, and drawing locations.

### **2.3 PRODUCT MAINTENANCE MANUALS**

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

1. Product name and model number.
  2. Manufacturer's name.
  3. Color, pattern, and texture.
  4. Material and chemical composition.
  5. Reordering information for specially manufactured products.
- D. Maintenance Procedures: Include manufacturer's written recommendations and the following:
1. Inspection procedures.
  2. Types of cleaning agents to be used and methods of cleaning.
  3. List of cleaning agents and methods of cleaning detrimental to product.
  4. Schedule for routine cleaning and maintenance.
  5. Repair instructions.
- E. Repair Materials and Sources: Include lists of materials and local sources of materials and related services.
- F. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds.
1. Include procedures to follow and required notifications for warranty claims.

## **PART 3 - EXECUTION**

### **3.1 MANUAL PREPARATION**

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



sequence and flow diagrams. Coordinate these drawings with information contained in record Drawings to ensure correct illustration of completed installation.

1. Do not use original project record documents as part of operation and maintenance manuals.
  2. Comply with requirements of newly prepared record Drawings in Section 017839 "Project Record Documents."
- E. Comply with Section 017700 "Closeout Procedures" for schedule for submitting operation and maintenance documentation.

**END OF SECTION 017823**

## **SECTION 017839 - PROJECT RECORD DOCUMENTS**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

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

#### **1.2 SUMMARY**

- A. Section includes administrative and procedural requirements for project record documents, including the following:
  - 1. Record Drawings.
  - 2. Record Specifications.
  - 3. Record Product Data.
  - 4. Miscellaneous record submittals.
- B. Related Requirements:
  - 1. Section 017700 "Closeout Procedures" for general closeout procedures.
  - 2. Section 017823 "Operation and Maintenance Data" for operation and maintenance manual requirements.

#### **1.3 CLOSEOUT SUBMITTALS**

- A. Record Drawings: Comply with the following:
  - 1. Number of Copies: Submit copies of record Drawings as follows:
    - a. Initial Submittal:
      - 1) Submit one paper-copy set of marked-up record prints, or
      - 2) Submit PDF electronic files of scanned record prints and one set of file prints.
      - 3) Architect will indicate whether general scope of changes, additional information recorded, and quality of drafting are acceptable.
    - b. Final Submittal:
      - 1) Submit one paper-copy set(s) of marked-up record prints, or
      - 2) Submit PDF electronic files of scanned record prints and one set of file prints.

- 3) Print each drawing, whether or not changes and additional information were recorded.
- B. Record Specifications: Submit one paper copy or annotated PDF electronic files of Project's Specifications, including addenda and contract modifications.
  - C. Record Product Data: Submit one paper copy or annotated PDF electronic files and directories of each submittal.
    1. Where record Product Data are required as part of operation and maintenance manuals, submit duplicate marked-up Product Data as a component of manual.
  - D. Miscellaneous Record Submittals: See other Specification Sections for miscellaneous record-keeping requirements and submittals in connection with various construction activities. Submit one paper copy or annotated PDF electronic files and directories of each submittal.
  - E. Reports: Submit written reports indicating items incorporated into project record documents concurrent with progress of the Work, including revisions, concealed conditions, field changes, product selections, and other notations incorporated.

## **PART 2 - PRODUCTS**

### **2.1 RECORD DRAWINGS**

- A. Record Prints: Maintain one set of marked-up paper copies of the Contract Drawings and Shop Drawings, incorporating new and revised drawings as modifications are issued.
  1. Preparation: Mark record prints to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to provide information for preparation of corresponding marked-up record prints.
    - a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
    - b. Accurately record information in an acceptable drawing technique.
    - c. Record data as soon as possible after obtaining it.
    - d. Record and check the markup before enclosing concealed installations.
  2. Content: Types of items requiring marking include, but are not limited to, the following:
    - a. Dimensional changes to Drawings.
    - b. Revisions to details shown on Drawings.

- c. Depths of foundations.
  - d. Locations and depths of underground utilities.
  - e. Revisions to routing of piping and conduits.
  - f. Revisions to electrical circuitry.
  - g. Actual equipment locations.
  - h. Locations of concealed internal utilities.
  - i. Changes made by Change Order or Construction Change Directive.
  - j. Changes made following Architect's written orders.
  - k. Details not on the original Contract Drawings.
  - l. Field records for variable and concealed conditions.
  - m. Record information on the Work that is shown only schematically.
3. Mark the Contract Drawings and Shop Drawings completely and accurately. Use personnel proficient at recording graphic information in production of marked-up record prints.
  4. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
  5. Mark important additional information that was either shown schematically or omitted from original Drawings.
  6. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.
- B. Record Digital Data Files: Immediately before inspection for Certificate of Substantial Completion, review marked-up record prints with Architect. When authorized, prepare a full set of corrected digital data files of the Contract Drawings, as follows:
1. Format: Annotated PDF electronic file with comment function enabled.
  2. Incorporate changes and additional information previously marked on record prints. Delete, redraw, and add details and notations where applicable.
  3. Refer instances of uncertainty to Architect for resolution.
  4. Architect will furnish Contractor one set of digital data files of the Contract Drawings for use in recording information.
    - a. See Section 013300 "Submittal Procedures" for requirements related to use of Architect's digital data files.
    - b. Architect will provide data file layer information. Record markups in separate layers.
- C. Format: Identify and date each record Drawing; include the designation "PROJECT RECORD DRAWING" in a prominent location.
1. Record Prints: Organize record prints and newly prepared record Drawings into manageable sets. Bind each set with durable paper cover sheets. Include identification on cover sheets.
  2. Format: Annotated PDF electronic file with comment function enabled.
  3. Record Digital Data Files: Organize digital data information into separate electronic files that correspond to each sheet of the Contract Drawings. Name

each file with the sheet identification. Include identification in each digital data file.

4. Identification: As follows:
  - a. Project name.
  - b. Date.
  - c. Designation "PROJECT RECORD DRAWINGS."
  - d. Name of Architect.
  - e. Name of Contractor.

## **2.2 RECORD SPECIFICATIONS**

- A. Preparation: Mark Specifications to indicate the actual product installation where installation varies from that indicated in Specifications, addenda, and contract modifications.
  1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
  2. For each principal product, indicate whether record Product Data has been submitted in operation and maintenance manuals instead of submitted as record Product Data.
  3. Note related Change Orders, record Product Data, and record Drawings where applicable.
- B. Format: Submit record Specifications as annotated PDF electronic file, paper copy, or scanned PDF electronic file(s) of marked-up paper copy of Specifications.

## **2.3 RECORD PRODUCT DATA**

- A. Preparation: Mark Product Data to indicate the actual product installation where installation varies substantially from that indicated in Product Data submittal.
  1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
  2. Include significant changes in the product delivered to Project site and changes in manufacturer's written instructions for installation.
  3. Note related Change Orders, record Specifications, and record Drawings where applicable.
- B. Format: Submit record Product Data as annotated PDF electronic file, paper copy, or scanned PDF electronic file(s) of marked-up paper copy of Product Data.
  1. Include record Product Data directory organized by Specification Section number and title, electronically linked to each item of record Product Data.

## **2.4 MISCELLANEOUS RECORD SUBMITTALS**

- A. Assemble miscellaneous records required by other Specification Sections for miscellaneous record keeping and submittal in connection with actual performance of the Work. Bind or file miscellaneous records and identify each, ready for continued use and reference.
- B. Format: Submit miscellaneous record submittals as PDF electronic file, paper copy, or scanned PDF electronic file(s) of marked-up miscellaneous record submittals.
  - 1. Include miscellaneous record submittals directory organized by Specification Section number and title, electronically linked to each item of miscellaneous record submittals.

## **PART 3 - EXECUTION**

### **3.1 RECORDING AND MAINTENANCE**

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

**END OF SECTION 017839**

## **SECTION 024119 - SELECTIVE DEMOLITION**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

A. Section Includes:

1. Demolition and removal of selected portions of building or structure.

B. Related Requirements:

1. Section 003126 "Existing Hazardous Materials" for report of asbestos containing materials present at Project Site.
2. Section 011000 "Summary" for restrictions on use of the premises, Owner-occupancy requirements, and phasing requirements.
3. Section 017300 "Execution" for cutting and patching procedures.

#### **1.2 DEFINITIONS**

- A. Remove: Detach items from existing construction and dispose of them off-site unless indicated to be salvaged or reinstalled.
- B. Existing to Remain: Leave existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.

#### **1.3 MATERIALS OWNERSHIP**

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

#### **1.4 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 on-site operations are uninterrupted.

2. Coordination of Owner's continuing occupancy of portions of existing building and of Owner's partial occupancy of completed Work.
- C. Predemolition Photographs or Video: If deemed necessary, show existing conditions of adjoining construction, including finish surfaces, that might be misconstrued as damage caused by salvage and demolition operations.

## **1.5 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: Present in buildings and structures to be selectively demolished. A report on the presence of hazardous materials is included in these Contract Documents. Examine report to become aware of locations where hazardous materials are present.
  1. If selective demolition and the subsequent proposed Work should disturb the identified hazardous materials, then they shall be properly removed and disposed of according to all local, state, and federal regulations, by a licensed abatement contractor.
  2. Do not disturb hazardous materials or items suspected of containing hazardous materials except under the supervision of a licensed abatement contractor.
- 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.

## **1.6 COORDINATION**

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



## **PART 2 - PRODUCTS**

### **2.1 PERFORMANCE REQUIREMENTS**

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

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Verify that hazardous materials have been remediated before proceeding with building demolition operations.
- B. Survey of Existing Conditions: Record existing conditions by use of photographs if necessary.

### **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 PROTECTION**

- A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
  - 1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of building.
  - 2. Protect walls, ceilings, floors, and other existing finish work that are to remain or that are exposed during selective demolition operations.
  - 3. Cover and protect furniture, furnishings, and equipment that have not been removed.
  - 4. Comply with requirements for temporary enclosures and dust control specified in Section 015000 "Temporary Facilities and Controls."
- B. Remove temporary barricades and protections where hazards no longer exist.

### **3.4 SELECTIVE DEMOLITION, GENERAL**

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
  - 1. 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. Temporarily cover openings to remain.
  - 2. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
  - 3. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
  - 4. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
  - 5. Dispose of demolished items and materials promptly.
- B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- C. 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 reinstalled in their original locations after selective demolition operations are complete.

### **3.5 SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS**

- A. Concrete Slabs-on-Grade: Saw-cut perimeter of area to be demolished, and then break up and remove.
- B. Resilient Floor Coverings: Remove floor coverings and adhesive according to recommendations in RFCI's "Recommended Work Practices for the Removal of Resilient Floor Coverings."

### **3.6 DISPOSAL OF DEMOLISHED MATERIALS**

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.
  - 1. Do not allow demolished materials to accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.

B. Burning: Do not burn demolished materials.

### **3.7 CLEANING**

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

**END OF SECTION 024119**

## **SECTION 096513 - RESILIENT BASE AND ACCESSORIES**

### **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. Thermoplastic-rubber base.
  - 2. Rubber stair accessories.
  - 3. Rubber molding accessories.

#### **1.3 ACTION SUBMITTALS**

- A. Product Data: For each type of product.
- B. Samples for Verification: For each type of product indicated and for each color, texture, and pattern required in manufacturer's standard-size Samples, but not less than 12 inches long.
- C. Product Schedule: For resilient base and accessory products. Use same designations indicated on Drawings.

#### **1.4 MAINTENANCE MATERIAL SUBMITTALS**

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Furnish not less than 10 linear feet for every 500 linear feet or fraction thereof, of each type, color, pattern, and size of resilient base product installed.
  - 2. Furnish one box for every 50 boxes or fraction thereof, of each type, color, and pattern of floor tile installed, but not less than one box.

## **1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

## **1.6 FIELD CONDITIONS**

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive resilient products during the following periods:
  - 1. 48 hours before installation.
  - 2. During installation.
  - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Install resilient products after other finishing operations, including painting, have been completed.

## **PART 2 - PRODUCTS**

### **2.1 THERMOPLASTIC-RUBBER BASE**

- A. BASIS OF DESIGN PRODUCT: Roppe Corporation USA, Series 700 Wall Base. Subject to compliance with requirements, provide basis of design products indicated, or a comparable product by one of the following:
  - 1. Armstrong World Industries.
  - 2. Burke Mercer Flooring Products; a division of Burke Industries Inc.
  - 3. Flexco.
  - 4. Johnsonite; a Tarkett company
- B. Product Standard: ASTM F 1861, Type TP (rubber, thermoplastic), Group II (layered).
  - 1. Style and Location:
    - a. Style B, Cove: Provide as indicated, unless otherwise noted.
- C. Thickness: 0.125 inch.
- D. Height: 4 inches.
- E. Lengths: Cut lengths 48 inches long or coils in manufacturer's standard length.

- F. Outside Corners: Job formed or preformed.
- G. Inside Corners: Job formed or preformed.
- H. Basis of Design Colors:
  - 1. RB-1: 114 Lunar Dust.
  - 2. RB-2: 147 Light Brown.

## 2.2 RUBBER STAIR ACCESSORIES

- A. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
  - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.
- B. BASIS OF DESIGN PRODUCT: Roppe Corporation USA, #95 Hammered One-Piece Tread/Riser. Subject to compliance with requirements, provide basis of design products indicated, or a comparable product by one of the following:
  - 1. American Biltrite.
  - 2. Armstrong World Industries, Inc.
  - 3. Burke Mercer Flooring Products; a division of Burke Industries Inc.
  - 4. Flexco.
  - 5. Johnsonite; a Tarkett company
  - 6. PRF USA Inc.
  - 7. VPI Corporation.
- C. Stair Treads: ASTM F 2169.
  - 1. Type: TS (rubber, vulcanized thermoset).
  - 2. Class: 2 (pattern; embossed).
  - 3. Nosing Style: Square, adjustable to cover angles between 60 and 90 degrees.
  - 4. Thickness: Manufacturer's standard.
  - 5. Size: Lengths and depths to fit each stair tread in one piece.
  - 6. Integral Risers: Smooth, flat; in height that fully covers substrate.
- D. Landing Tile: Matching #995 Hammered Design Tile; produced by same manufacturer as treads and recommended by manufacturer for installation with treads.
- E. Locations: Provide rubber stair accessories in areas indicated.
- F. Basis of Design Colors:
  - 1. ST-1: Symmetry S194 Burnt Umber.
  - 2. ST-2: Symmetry S174 Smoke.

## **2.3 RUBBER MOLDING ACCESSORY**

- A. Description: Rubber carpet edge for glue-down applications, joiner for tile, and carpet transition strips.
- B. Profile and Dimensions: As required or indicated on Drawings.
- C. Locations: Provide rubber molding accessories in areas indicated, or as required.
- D. Colors and Patterns: Match thermoplastic rubber base unless otherwise indicated.

## **2.4 INSTALLATION MATERIALS**

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by resilient-product manufacturer for resilient products and substrate conditions indicated.
- C. Stair-Tread Nose Filler: Two-part epoxy compound recommended by resilient stair-tread manufacturer to fill nosing substrates that do not conform to tread contours.
- D. Metal Edge Strips: Extruded aluminum with mill finish, nominal 2 inches wide, of height required to protect exposed edges of flooring, and in maximum available lengths to minimize running joints.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
  - 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
  - 1. Installation of resilient products indicates acceptance of surfaces and conditions.

### **3.2 PREPARATION**

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates for Resilient Stair Accessories: Prepare horizontal surfaces according to ASTM F 710.
  - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
  - 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
  - 3. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing, but not less than 5 or more than 10 pH.
- C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- D. Do not install resilient products until materials are the same temperature as space where they are to be installed.
  - 1. At least 48 hours in advance of installation, move resilient products and installation materials into spaces where they will be installed.
- E. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient products.

### **3.3 RESILIENT BASE INSTALLATION**

- A. Comply with manufacturer's written instructions for installing resilient base.
- B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.
- C. Install resilient base in lengths as long as practical without gaps at seams and with tops of adjacent pieces aligned.
- D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- E. Do not stretch resilient base during installation.
- F. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.
- G. Preformed Corners: Install preformed corners before installing straight pieces.



H. Job-Formed Corners:

1. Outside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 6 inches in length.
  - a. Form without producing discoloration (whitening) at bends.
2. Inside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 6 inches in length.
  - a. Miter or cope corners to minimize open joints.

**3.4 RESILIENT ACCESSORY INSTALLATION**

- A. Comply with manufacturer's written instructions for installing resilient accessories.
- B. Resilient Stair Accessories:
  1. Use stair-tread-nose filler to fill nosing substrates that do not conform to tread contours.
  2. Tightly adhere to substrates throughout length of each piece.
- C. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of floor covering that would otherwise be exposed.

**3.5 CLEANING AND PROTECTION**

- A. Comply with manufacturer's written instructions for cleaning and protecting resilient products.
- B. Perform the following operations immediately after completing resilient-product installation:
  1. Remove adhesive and other blemishes from surfaces.
  2. Sweep and vacuum horizontal surfaces thoroughly.
  3. Damp-mop horizontal surfaces to remove marks and soil.
- C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Cover resilient products subject to wear and foot traffic until Substantial Completion.

**END OF SECTION 096513**

## **SECTION 096519 - RESILIENT TILE FLOORING**

### **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. Solid vinyl floor tile.
- B. Related Requirements
  - 1. Section 096513 “Resilient Base and Accessories” for resilient tile at stair landings and stair treads.

#### **1.3 ACTION SUBMITTALS**

- A. Product Data: For each type of product.
- B. Shop Drawings: For each type of resilient floor tile.
  - 1. Include floor tile layouts, edges, columns, doorways, enclosing partitions, built-in furniture, cabinets, and cutouts.
  - 2. Show details of special patterns.
- C. Samples: Full-size units of each color, texture, and pattern of floor tile required.
- D. Product Schedule: For floor tile. Use same designations indicated on Drawings.

#### **1.4 INFORMATIONAL SUBMITTALS**

- A. Qualification Data: For Installer.

#### **1.5 CLOSEOUT SUBMITTALS**

- A. Maintenance Data: For each type of floor tile to include in maintenance manuals.

## **1.6 MAINTENANCE MATERIAL SUBMITTALS**

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Floor Tile: Furnish one box for every 50 boxes or fraction thereof, of each type, color, and pattern of floor tile installed.

## **1.7 QUALITY ASSURANCE**

- A. Installer Qualifications: An entity that employs installers and supervisors who are competent in techniques required by manufacturer for floor tile installation and seaming method indicated.
  - 1. Engage an installer who employs workers for this Project who are trained or certified by floor tile manufacturer for installation techniques required.

## **1.8 DELIVERY, STORAGE, AND HANDLING**

- A. Store floor tile and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F. Store floor tiles on flat surfaces.

## **1.9 FIELD CONDITIONS**

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive floor tile during the following periods:
  - 1. 48 hours before installation.
  - 2. During installation.
  - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Close spaces to traffic during floor tile installation.
- D. Close spaces to traffic for 48 hours after floor tile installation.
- E. Install floor tile after other finishing operations, including painting, have been completed.

## **1.10 WARRANTY**

- A. Warranty for Vinyl Tiles: Manufacturer agrees to repair or replace components of tile installation that fail in materials or workmanship within specified warranty period.
  - 1. Warranty does not include deterioration or failure of tile due to unusual traffic, failure of substrate, vandalism, or abuse.
    - a. Warranty Period: Not less than ten (10) years.

## **PART 2 - PRODUCTS**

### **2.1 PERFORMANCE REQUIREMENTS**

- A. Fire-Test-Response Characteristics: For resilient floor tile, as determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
  - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

### **2.2 SOLID VINYL FLOOR TILE**

- A. BASIS OF DESIGN PRODUCT: J&J Flooring Group. Subject to compliance with requirements, provide basis of design products indicated, or a comparable product by one of the following:
  - 1. American Biltrite.
  - 2. Armstrong Flooring, Inc.
  - 3. Congoleum Corporation.
  - 4. Gerflor.
  - 5. Patcraft; a division of Shaw Industries, Inc.
  - 6. Roppe Corporation; Roppe Holding Company.
  - 7. Shaw Contract Group; a Berkshire Hathaway company.
  - 8. VPI Corporation.
- B. Tile Standard: ASTM F 1700.
  - 1. Class: Class III, Printed Film Vinyl Tile.
  - 2. Type: B, Embossed Surface.
- C. Thickness: 5 mm loose lay.
  - 1. Wear Layer: 20 mil.
  - 2. Finish/Coating: Enhanced UV urethane with ceramic bead.
  - 3. Antimicrobial Coating: ZPT (zinc protective technology).
- D. Style:

1. LVT-1: Legend 5mm, V5010.
2. LVT-2: Classics II 5mm, V5023.

E. Size:

1. LVT-1: 18 inches by 36 inches; pattern repeat random.
2. LVT-2: 9 inches by 48 inches; pattern repeat random.

F. Basis of Design Colors:

1. LVT-1: 1057 Tale.
2. LVT-2: 1091 Rarity.

## 2.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by floor tile manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by floor tile and adhesive manufacturers to suit floor tile and substrate conditions indicated.
- C. Floor Polish: Provide protective, liquid floor-polish products recommended by floor tile manufacturer.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
  1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of floor tile.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Prepare substrates according to floor tile manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F 710.

1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
  2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by floor tile manufacturer. Do not use solvents.
  3. Alkalinity and Adhesion Testing: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing, but not less than 5 or more than 10 pH.
- C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- D. Do not install floor tiles until materials are the same temperature as space where they are to be installed.
1. At least 48 hours in advance of installation, move resilient floor tile and installation materials into spaces where they will be installed.
- E. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient floor tile.

### **3.3 FLOOR TILE INSTALLATION**

- A. Comply with manufacturer's written instructions for installing floor tile.
- B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
1. Lay tiles square with room axis.
- C. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
1. Lay tiles with grain running in one direction.
- D. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
- E. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.
- F. Adhere floor tiles to substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.

### **3.4 CLEANING AND PROTECTION**

- A. Comply with manufacturer's written instructions for cleaning and protecting floor tile.
- B. Perform the following operations immediately after completing floor tile installation:
  - 1. Remove adhesive and other blemishes from surfaces.
  - 2. Sweep and vacuum surfaces thoroughly.
  - 3. Damp-mop surfaces to remove marks and soil.
- C. Protect floor tile from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Floor Polish: Remove soil, adhesive, and blemishes from floor tile surfaces before applying liquid floor polish.
  - 1. Apply two coats.
- E. Cover floor tile until Substantial Completion.

**END OF SECTION 096519**

## **SECTION 096813 - TILE CARPETING**

### **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. Modular carpet tile.
- B. Related Requirements:
  - 1. Section 096513 "Resilient Base and Accessories" for resilient wall base and accessories installed with carpet tile.

#### **1.3 ACTION SUBMITTALS**

- A. Product Data: For each type of product.
  - 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
  - 2. Include manufacturer's written installation recommendations for each type of substrate.
- B. Samples for Verification: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
  - 1. Carpet Tile: Full-size Sample.
- C. Product Schedule: For carpet tile. Use same designations indicated on Drawings.

#### **1.4 INFORMATIONAL SUBMITTALS**

- A. Product Test Reports: For carpet tile, for tests performed by a qualified testing agency.
- B. Sample Warranty: For special warranty.



## **1.5 CLOSEOUT SUBMITTALS**

- A. Maintenance Data: For carpet tiles to include in maintenance manuals. Include the following:
  - 1. Methods for maintaining carpet tile, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
  - 2. Precautions for cleaning materials and methods that could be detrimental to carpet tile.

## **1.6 MAINTENANCE MATERIAL SUBMITTALS**

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Carpet Tile: Full-size units equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd.

## **1.7 QUALITY ASSURANCE**

- A. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.

## **1.8 DELIVERY, STORAGE, AND HANDLING**

- A. Comply with the Carpet and Rug Institute's CRI 104.

## **1.9 FIELD CONDITIONS**

- A. Comply with the Carpet and Rug Institute's CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.

## 1.10 WARRANTY

- A. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.
  - 1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
  - 2. Failures include, but are not limited to, the following:
    - a. Dimensional instability.
    - b. Loss of tuft-bind strength.
    - c. Delamination.
  - 3. Warranty Period: Lifetime.

## PART 2 - PRODUCTS

### 2.1 CARPET TILE

- A. BASIS OF DESIGN PRODUCT (C-1): J&J Flooring Group, Integral 7310. Subject to compliance with requirements, provide basis of design products indicated, or a comparable product from another manufacturer.
  - 1. Basis of Design Color: 2722 Innate.
  - 2. Pattern: Quarter Turn.
  - 3. Fiber Type: Encore SD Ultima.
  - 4. Pile Characteristic: Patterned Loop.
  - 5. Density: 6,185 ounces/cubic yard.
  - 6. Stiches: 10 stiches/inch.
  - 7. Gage: 1/12.
  - 8. Surface Pile Face Weight: 15 ounces/square yard.
  - 9. Backing System: Nexus Modular.
  - 10. Size: 24 inches by 24 inches.
  - 11. Applied Treatments: ProTex Soil Release.
  
- B. BASIS OF DESIGN PRODUCT (C-3): J&J Flooring Group, Fast Track 7578. Subject to compliance with requirements, provide basis of design products indicated, or a comparable product from another manufacturer.
  - 1. Basis of Design Color: 3218 Breakout.
  - 2. Pattern: Parquet.
  - 3. Fiber Type: TeraPlex SD PET.
  - 4. Pile Characteristic: Patterned Loop.
  - 5. Gage: 1/12.
  - 6. Surface Pile Face Weight: 16 ounces/square yard.

7. Backing System: Nexus Modular.
8. Size: 18 inches by 36 inches.
9. Applied Treatments: ProTex Soil Release.

## **2.2 WALK-OFF CARPET TILE**

- A. BASIS OF DESIGN PRODUCT: J&J Flooring Group, Catwalk II 7268. Subject to compliance with requirements, provide basis of design products indicated, or a comparable product from another manufacturer.
  1. Basis of Design Colors:
    - a. C-2: 1427 Spotlight.
    - b. C-4: 1424 Glitterati.
  2. Pattern: Quarter Turn.
  3. Fiber Type: Encore SD.
  4. Pile Characteristic: Textured Patterned Loop.
  5. Density: 7,443 ounces/cubic yard.
  6. Stiches: 8.33 stiches/inch.
  7. Gage: 1/10.
  8. Surface Pile Face Weight: 34 ounces/square yard.
  9. Backing System: Nexus Modular.
  10. Size: 24 inches by 24 inches.
  11. Applied Treatments: ProTex Soil Release.

## **2.3 INSTALLATION ACCESSORIES**

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance.
- B. Examine carpet tile for type, color, pattern, and potential defects.

- C. Concrete Substrates: Verify that finishes comply with manufacturer's requirements and that surfaces are free of cracks, ridges, depressions, scale, and foreign deposits.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

### **3.2 PREPARATION**

- A. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch unless more stringent requirements are required by manufacturer's written instructions.
- C. Do not install floor tiles until materials are the same temperature as space where they are to be installed.
  - 1. At least 48 hours in advance of installation, move resilient floor tile and installation materials into spaces where they will be installed.
- D. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet tile manufacturers.
- E. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

### **3.3 INSTALLATION**

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 10, "Carpet Tile," and with carpet tile manufacturer's written installation instructions.
- B. Installation Method: Partial glue down; install tiles with releasable, pressure-sensitive adhesive.
- C. Maintain dye-lot integrity. Do not mix dye lots in same area.
- D. Maintain pile-direction patterns recommended in writing by carpet tile manufacturer.
- E. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.

- F. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- G. Install pattern parallel to walls and borders.

### **3.4 CLEANING AND PROTECTION**

- A. Perform the following operations immediately after installing carpet tile:
  - 1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
  - 2. Remove yarns that protrude from carpet tile surface.
  - 3. Vacuum carpet tile using commercial machine with face-beater element.
- B. Protect installed carpet tile to comply with the Carpet and Rug Institute's CRI 104, Section 13.7.
- C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

**END OF SECTION 096813**