

Olympic Stadium Repairs & Improvements – Phase 3
CITY OF HOQUIAM
Hoquiam, Washington
Project No. 22-06

OWNER City of Hoquiam
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Tracy Wood, Comm. Serv. Coord.
Tom Elledge, Parks Maintenance
609 8th Street
Hoquiam, WA 98550
(360) 482-2323

ARCHITECT OF Harbor Architects LLC
RECORD Alan Gozart AIA, Project Architect
Aaron Gozart, Project Manager
345 W Wishkah
Aberdeen, WA 98520
(360) 532-0980

March 30, 2023



| Title | Pages |
|---|--------------|
| <u>00 00 00 PROCUREMENT & CONTRACTING REQUIREMENTS</u> | |
| 00 01 15 Drawing Index | 1 |
| 00 11 13 Advertisement for Bids | 3 |
| 00 41 13 Bid Form | 2 |
| 00 45 19 Non-Collusion Affidavit | 1 |
| 00 45 20 Certification Regarding Responsibility Matters | 1 |
| 00 45 21 Certification of Compliance with Wage Payment Statutes | 1 |
| City of Hoquiam – Public Works Contract | 6 |
| 00 73 00 Special Conditions | 5 |
| Federal Wage Decision No. WA20230027, 02/03/2023 | 7 |
| WA State Prevailing Wage Rates – Grays Harbor County | 22 |
| Benefit Code Key | 15 |
| <u>01 00 00 GENERAL REQUIREMENTS</u> | |
| 01 11 00 Summary of Work | 4 |
| 01 29 00 Payment Procedures | 2 |
| 01 31 19 Project Meetings | 2 |
| 01 33 00 Submittals | 2 |
| Initial Submittals Checklist | 1 |
| Submittal Transmittal | 1 |
| 01 42 13 Abbreviations & Definitions | 6 |
| 01 50 00 Temporary Facilities | 2 |
| 01 73 29 Cutting & Patching | 3 |
| 01 77 00 Contract Closeout | 3 |
| Asbestos-Free Materials Certification | 1 |
| Project Closeout Submittals Checklist | 1 |
| <u>02 00 00 EXISTING CONDITIONS</u> | |
| 02 41 19 Selective Demolition | 2 |
| <u>03 00 00 CONCRETE</u> | |
| 03 20 00 Concrete Reinforcing | 2 |
| 03 30 00 Cast-In-Place Concrete | 5 |
| <u>05 00 00 METALS</u> | |
| 05 50 00 Metal Fabrications | 3 |
| <u>06 00 00 WOOD, PLASTICS, & COMPOSITES</u> | |
| 06 10 00 Rough Carpentry | 3 |
| 06 17 00 Shop-Fabricated Structural Wood | 3 |
| 06 20 00 Finish Carpentry | 2 |
| <u>07 00 00 THERMAL & MOISTURE PROTECTION</u> | |
| 07 31 13 Asphalt Shingles | 3 |
| 07 42 13 Metal Siding Panels | 2 |
| 07 60 00 Flashing & Sheet Metal | 2 |
| 07 92 00 Joint Sealants | 2 |
| <u>09 00 00 FINISHES</u> | |
| 09 90 00 Painting & Coating | 4 |
| <u>10 00 00 SPECIALITIES</u> | |
| 10 21 13 Toilet Partitions & Urinal Screens | 2 |

| | | |
|--|-------------------------------|----|
| <u>11 00 00 EQUIPMENT</u> | | |
| 11 68 33 | Athletic Field Equipment | 2 |
| | | |
| <u>26 00 00 ELECTRICAL</u> | | |
| 26 00 00 | Electrical General Provisions | 4 |
| 26 50 00 | Lighting Fixtures | 2 |
| | | |
| <u>32 00 00 EXTERIOR IMPROVEMENTS</u> | | |
| 32 31 13 | Chain Link Fences & Gates | 3 |
| 32 33 00 | Site Furnishings | 1 |
| | | |
| <u>APPENDIX</u> | | |
| Hazardous Materials Investigation Asbestos Survey – KD&S Environmental, dated March 8, 2023 | | 15 |

END, TABLE OF CONTENTS

SHEET NO. TITLE

| | |
|------|--|
| A001 | Abbreviations, Proj. Info., Contact Info., Drawing Index, Vicinity Plan, Building Elevations |
| A100 | Site Plan, Enlarged Plans & Notes |
| A210 | Floor & Roof Plans, Building Section, Exterior Elevations, Details & Notes |

END, SECTION 00 01 15

1. ADVERTISEMENT

1.1. NOTICE TO BIDDERS

Sealed Bids will be received for the following Project:

TITLE: Olympic Stadium Repairs & Improvements – Phase 3
City of Hoquiam

DESCRIPTION: Olympic Stadium is a heavy timber structure completed in 1938 and is listed on the National Register of Historic Places. Work generally consists of field improvements and improvements to existing Locker Room/Concession/Restroom Buildings.

TIME & DATE: 3:00P, April 20, 2023

BY: City of Hoquiam

RECEIVED AT: Finance Department
First Floor, Hoquiam City Hall
609 8th Street
Hoquiam, WA 98550

Bids received by the above time, shall be opened publicly, and read aloud at:

TIME: 3:10PM, April 20, 2023

LOCATION: Council Chambers, City Hall 3rd Floor

1.2. DATES OF ADVERTISEMENT FOR BIDS

1. March 30, 2023
2. April 6, 2023

1.3. FUNDING SOURCE

1. This project is partially funded by the Recreation and Conservation Funding Board (RCO).
2. Maximum funds available for construction are \$390,000, which includes state sales tax.
3. Subrecipient Project Manager: Brian Shay, City Administrator, City of Hoquiam
(360) 538-3983
bshay@cityofhoquiam.com

1.4. BIDDING DOCUMENTS

1. Bidding Documents for the Work are those prepared by the Architect:

HARBOR ARCHITECTS LLC
345 W Wishkah
Aberdeen, Washington 98520
(360) 532-0980

2. Bidding Documents are available online at <http://www.harborarchitects.com/22-06>.
3. Bona fide Bidders may purchase copies of the Drawing Set only, from the office of the Architect upon submitting a check, payable to Harbor Architects LLC in the amount of \$(4.00 per sheet).
4. Project Manuals are available by download only.

5. Bidding Documents will be available for examination during the bidding period at the following locations:

Office of the Architect
Office of the Owner
Associated Subcontractors, Tacoma
Builder's Exchange of Washington, Everett
Dodge Data and Analytics, Tacoma
Contractor Plan Center Inc, Milwaukie OR

1.5. INQUIRIES AND ADDENDA

1. Addenda may be issued for the purpose of clarification and/or revision of the Project Manual and/or Drawings. Addenda will be sent to known bidders and will become part of the Contract Documents. Any costs resulting from Addenda should be included in the Bid Sum.
2. Direct all questions in writing to Aaron Gozart at the office of the Architect, email aaron@harborarchitects.com.
3. Submit questions no later than (3) days prior to the date for receipt of Bids. Clarifications will be included in Addenda.
4. Verbal answers and clarifications are not binding on any party.

1.6. BID GUARANTEE

Bidders shall be bound by their bids for for (30) calendar days following the bid opening.

1.7. BID SECURITY

1. A bid security, in the form of a certified check, bank cashier's check or bid bond is required with each Bid in an amount equal to (5) percent of the Base Bid, plus Additive Alternates, if any.
2. Should a bidder fail to enter into an Agreement with the Owner and/or fail to furnish the bonds required by the Contract Documents within ten (10) days after his/her Bid has been accepted, the Contractor's Bid Security shall be forfeited to the Owner as liquidated damages, not as a penalty.

1.8. BONDS

Contractor shall secure, include costs therefore in the Bid, and pay for bonds issued by a bonding company with a Best's rating of "A", or better, and licensed to transact business in the State of Washington in Statutory Form. Liability under each of the bonds shall be 100 percent of the contract sum, including state sales tax, for:

1. Performance.
2. Labor and Material Payment.
3. One-year maintenance for correction of defective work.

1.9. PRE-BID CONFERENCE

1. A Pre-Bid Conference will be held at the Project Site, 2811 Cherry Street, Hoquiam, WA 98550 at 2:00P. April 12, 2023. Representatives for the Owner and the Architect will be available to answer questions.
2. To be eligible to bid, all bidders must physically inspect the premises and familiarize themselves with all existing conditions.

1.10. RESPONSIBILITY CRITERIA

Bidders will be required to submit the following documents:

1. Non-Collusion Affidavit.
2. Certification Regarding Responsibility Matters.
3. Certification of Compliance with Wage Payment Statutes.

1.11. WAGE RATES

WA State Prevailing Wage Rates shall apply.

1.12. EQUAL OPPORTUNITY

1. The City of Hoquiam is an Equal Opportunity and Affirmative Action Employer.
2. The City of Hoquiam hereby notifies all bidders that small, minority and/or women owned business enterprises will be afforded full opportunity to submit bids in response to this advertisement and will not be discriminated against on the grounds of religion, age, race, color, sexual identification, or national origin.
3. This advertisement will be posted on the State Office of Minority and Women's Business Enterprise (OMWBE) website at www.omwbe.wa.gov.

1.13. BASIS OF AWARD

The lowest responsive price of selected Bid Items shall be the sole basis of award.

1.14. REJECTION OF BIDS

1. The City of Hoquiam reserves the right to reject or accept any or all bids not accompanied by bid security or data required by the bidding documents or a bid in any way incomplete or irregular.
2. Bids received after the above time and date will be returned, unopened, to the bidder.

END, SECTION 00 11 13

To: Hoquiam City Council

Having carefully examined the Project Manual and Drawings, entitled: Olympic Stadium Repairs and Improvements – Phase 3, as well as the premises and conditions affecting the work, the Undersigned states he/she has the means to furnish all labor, material and equipment to perform all the work required by and in strict accordance with the above-named Contract Documents for the following sums:

1. **BID ITEM 1**
For abatement of hazardous materials: \$ 0.00.
2. **BID ITEM 2**
For work at baseball field and both A and B Buildings as defined in the Project Manual: \$ _____.
3. **BID ITEM 3**
For dugout work at the baseball field as defined in the Project Manual: \$ _____.
4. **BID ITEM 4**
For painting at both A and B Buildings as defined in the Project Manual: \$ _____.
5. **BID ITEM 5**
For painting at both A and B Buildings as defined in the Project Manual: \$ _____.

6. **EXISTING CONDITIONS**

By checking this box, the Undersigned confirms that he/she, and principal subcontractors, have physically inspected the premises and have familiarized themselves with all existing conditions.

7. **NON-COLLUSION AFFIDAVIT**

By checking this box, the Undersigned confirms that he/she has completed Section 00 45 19, NON-COLLUSION AFFIDAVIT and has attached said document to this Bid Form.

8. **SALES TAX**

None of the above prices include state sales tax.

9. **TIME OF COMPLETION**

The Undersigned agrees, if awarded the Contract, to achieve substantial completion of the Work included in all above Bid Items on or before August 11, 2023 and final completion on or before September 1, 2023.

10. BID GUARANTEE

Bidders shall be bound by their bids for (30) calendar days following the bid opening.

11. LIQUIDATED DAMAGES

The Undersigned acknowledges and agrees to abide by all provisions of paragraph 3.5 in Section 00 73 00, Supplementary Conditions. Adjustments to completion time will be granted for adverse weather conditions, transportation interruptions and other situations beyond control of the Contractor.

12. CONTRACT & BONDS

Should the Undersigned be notified of the acceptance of this Bid within (15) days after the time set for opening bids, he/she agrees to execute a contract for the above Work, for a compensation computed from the above sums, and to furnish performance, payment and maintenance bonds as required by the Contract Documents.

13. RESPONSIBILITY MATTERS

The Undersigned understands that he/she will be required to submit the following documents after award of the Contract:

1. Certification Regarding Responsibility Matters.
2. Certification of Compliance with Wage Payment Statutes.

14. ADDENDA

Receipt of the following Addenda to the Contract Documents is acknowledged:

| | | | |
|--------------------|------------|--------------------|------------|
| Addendum No. _____ | Date _____ | Addendum No. _____ | Date _____ |
| Addendum No. _____ | Date _____ | Addendum No. _____ | Date _____ |

Name of Bidder: _____

By (print name): _____ Title: _____

Signature: _____ Date: _____

Address: _____

Telephone: _____ FAX: _____

Email Address: _____

State of Washington Contractor's License No.: _____

U.B.I. Number: _____

To: City of Hoquiam

The undersigned, being duly sworn on oath says, that he/she is authorized to make this affidavit on behalf of my firm, and its owners, directors, and officers and that he/she is the person responsible in my firm for the price(s), the amount of this proposal and the preparation of the proposal.

I state that

1. The price(s) and amount of this proposal have been arrived at independently and without consultation, communication or agreement with any other contractor, proposer, or potential proposer.
2. Neither the price(s) nor the amount of this proposal, and neither the approximate price(s) nor approximate amount of this proposal, have been disclosed to any other firm or person who is a proposer or potential proposer, and they will not be disclosing before bid opening.
3. No attempt has been made or will be made to induce any firm or persons to refrain from submitting a proposal for this contract, or to submit a price(s) bid higher than the price(s) in this proposal, or to submit any intentionally high or noncompetitive price(s) or other form of complementary proposal.
4. The proposal of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive proposal.
5. _____ its affiliates, subsidiaries, officers, directors and
(Name of Firm)
employees are not currently under investigation by any governmental agency and have not in the last (3) years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract.

I state that _____ understands and acknowledges that the above
(Name of Firm)
representations are material and important and will be relied on by the City of Hoquiam in awarding the contract(s) for which this bid is submitted.

I understand and my firm understands that any misstatement in this affidavit is, and shall be, treated as fraudulent concealment from the City of Hoquiam of the true facts relating to the submission of bids for this contract.

Signed: _____

Firm: _____

Subscribed and sworn to me before this _____ day of _____, 20____

Notary Public _____

My Commission expires: _____

To: City of Hoquiam

The undersigned, being duly sworn on oath says, that he/she is authorized to make this affidavit on behalf of my firm, and its owners, directors, and officers and that he/she is the person responsible in my firm for the price(s), the amount of this proposal and the preparation of the proposal.

I state that the undersigned:

1. Are not presently debarred, suspended, proposed for debarment declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency.
2. Have not, within a (3) period preceding this proposal, been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.
3. Are not presently indicated for or otherwise criminally charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated above; and
4. Have not within a (3) year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I state that _____ understands and acknowledges that the above
(Name of Firm)

representations are material and important and will be relied on by the City of Hoquiam in awarding the contract(s) for which this bid is submitted.

I understand and my firm understands that any misstatement in this affidavit is, and shall be, treated as fraudulent concealment from the City of Hoquiam of the true facts relating to the submission of bids for this contract.

Signed: _____

Firm: _____

Subscribed and sworn to me before this _____ day of _____, 20_____

Notary Public _____

My Commission expires: _____

To: City of Hoquiam

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date, the bidder is not a “willful” violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

I declare under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Bidder's Business Name: _____

Signature of Authorized Official*: _____

Printed Name: _____

Title: _____

Date: _____

City and State: _____

Check One:

Sole Proprietorship Partnership Joint Venture Corporation

State of Incorporation, or if not a corporation, State where business entity was formed: _____

If a co-partnership, give firm name under which business is transacted: _____

* If a corporation, proposal must be executed in the corporate name by the president or vice-president (or any other corporate officer accompanied by evidence of authority to sign). If a co-partnership, proposal must be executed by a partner.

END, CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUTES

CITY OF HOQUIAM - PUBLIC WORKS CONTRACT

THIS AGREEMENT is made and entered into this ____ day of _____, 20____ by and between the **CITY OF HOQUIAM** ("the City"), and ("the Contractor").

WITNESS:

THEREFORE, in consideration of the terms and conditions in this agreement, the parties covenant and agree as follows:

1. The Contractor shall do all work and furnish all tools, materials, and equipment for construction and completion of the _____ project, located at _____, Hoquiam, Washington, as set forth in the plans and specifications on file in the Public Works Director's office, 609 8th Street, Hoquiam, WA, 98550, which are hereby incorporated into this contract by reference, and the Contractor shall further perform any alterations in or additions to the work in accordance with the contract documents. The Contractor shall provide and bear the expense of all equipment, work and labor that may be required for the transferring of materials, construction, and completion of the work provided for in this contract, except as expressly provided in the specifications to be furnished by the City.

2. The Contractor agrees to secure all necessary City and State permits, *including* a City of Hoquiam business license. The Contractor further agrees to file with the City Finance Director a performance bond in the amount of \$ _____, that shall provide for the completion of this Contract pursuant to the following specified conditions in addition to the plans and specifications above-mentioned:

a. The Contractor shall commence construction of the project on or before _____, _____, and shall complete construction of the project within _____ working days from the date of execution of the contract. The Contractor agrees to pay the City liquidated damages of \$ _____ **per day** for each day the work is not completed beyond the date set forth in this contract. It is further agreed that the City shall deduct the amount of any applicable liquidated damages from the final payment to the Contractor.

b. The construction shall be completed in accordance with the provisions of all applicable ordinances, statutes, and regulations of the City, State, and Federal Governments, including the payment of "**prevailing wage.**" The Contractor and all Sub-Contractors who work on the project shall provide to the City forms approved by the State Department of Labor and Industries certifying that prevailing wages have been paid to Contractor's and Sub-Contractor's employees as required.

c. The job site shall be posted at all times “**DO NOT ENTER,**” and at no time shall material or equipment be allowed to block a public right-of-way. The work area shall be cleaned at the end of each work day, with no material stored or left in the way of City work crews. The City will agree to coordinate with the Contractor the moving of City vehicles so as not to be in the way of the Contractor.

d. The CITY is an equal opportunity employer.

(i) Nondiscrimination in Employment. In the performance of this Agreement, the Contractor will not discriminate against any employee or applicant for employment on the grounds of race, creed, color, national origin, sex, marital status, religion, sexual orientation, honorably discharged veteran or military status, age, or the presence of any sensory, mental or physical disability or any other protected class status. Such action shall include, but not be limited to: employment, upgrading, demotion or transfers, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and such action with respect to this Agreement as may be required to ensure full compliance with local, state and federal laws prohibiting discrimination in employment.

(ii) Nondiscrimination in Services. The Contractor will not discriminate against any recipient of any services, or benefits provided for in this Agreement on the grounds of race, creed, color, national origin, sex, marital status, religion, sexual orientation, honorably discharged veteran or military status, age, the presence of any sensory, mental or physical disability or any other protected class status.

(iii) If any assignment and/or subcontracting has been authorized by CITY, said assignment or subcontract shall include appropriate safeguards against discrimination. The Contractor shall take such action as may be required to ensure full compliance with the provisions in the immediately preceding paragraphs herein.

e. For contracts of twenty five thousand dollars or less, at the option of the contractor the City shall, in lieu of bond, retain fifty percent of the contract amount for a period of thirty days after the date of final acceptance, or until receipt of all necessary releases from the department of revenue and the department of labor and industries and settlement of any liens filed against the project.

f. If work to be performed is within a public right-of-way, the Contractor shall be required to notify all adjacent property owners of the project prior to the beginning of construction of the project.

g. The Contractor shall utilize the Federal *E-Verify* program to verify that each employee of the Contractor and any Sub-Contractor who works on this project is legally authorized to be employed in the United States. Before a notice to proceed shall be issued by the City, the Contractor shall provide the City with a certification that the Contractor has enrolled in and implemented the *E-Verify* program to determine the employment eligibility of the employees who will perform work on behalf of the Contractor. Any Sub-Contractor must also provide a certification that the Contractor has enrolled in and implemented the *E-Verify* program

to determine the employment eligibility of the employees who will perform work on behalf of the Contractor.

h. The Contractor and all sub-contractors involved with the project, if any, shall obtain a City of Hoquiam business license and complete business and occupation tax returns as required by the Hoquiam Municipal Code, and no payment shall be made to the Contractor before a City of Hoquiam business license has been obtained.

3. a. No liability shall attach to the City by reason of entering into this contract, except as expressly provided in the contract. The Contractor shall defend, indemnify and hold the City, its officers, officials, employees and volunteers harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising out of or in connection with the performance of this Agreement, except for injuries and damages arising out of or in connection with the performance of this Agreement, except for injuries and damages caused by the sole negligence of the City.

b. Should a court of competent jurisdiction determine that this Agreement is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Contractor and the City, its officers, officials, employees, and volunteers, the Contractor's liability hereunder shall be only to the extent of the Contractor's negligence. It is further specifically and expressly understood that the indemnification provided herein constitutes the Contractor's waiver of immunity under Industrial Insurance, Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Agreement.

4. The Contractor shall procure and maintain for the duration of the Agreement, insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Contractor, their agents, representatives, or employees.

a. No Limitation.

The Contractor's maintenance of insurance, its scope of coverage and limits as required herein shall not be construed to limit the liability of the Contractor to the coverage provided by such insurance, or otherwise limit the City's recourse to any remedy available at law or in equity.

b. Minimum Scope of Insurance.

The Contractor's required insurance shall be of the types and coverage as stated below.

(i) Automobile Liability Insurance covering all owned, non-owned, hired and leased vehicles. Coverage shall be at least as broad as Insurance Services Office (ISO) form CA 00.01.

(ii) Commercial General Liability insurance shall be at least as broad as ISO occurrence form CG 00 01 and shall cover liability arising from premises, operations, stop-gap independent

contractors and personal injury and advertising injury. The City shall be named as an additional insured under the Contractor's Commercial General Liability Insurance policy with respect to the work performed for the City using and additional insured endorsement at least as broad as ISO CG 20 26.

(iii) Worker's Compensation coverage as required by the Industrial Insurance laws fo the State of Washington.

(iv) Professional Liability insurance appropriate to the Contractor's profession.

c. Minimum Amounts of Insurance.

The Contractor shall maintain the following insurance limits:

(i) Automobile Liability Insurance with a minimum combined single limit for bodily injury and property damage of \$1,000,000 per accident.

(ii) Commercial General Liability insurance shall be written with limits no less than \$1,000,000 each occurrence, \$2,000,000 general aggregate limit.

(iii) Professional Liability insurance shall be written with limits no less than \$1,000,000 per claim and \$1,000,000 policy aggregate limit.

d. City Full Availability of the Contractor's limits.

If the Contractor maintains higher insurance limits than the minimums shown above, the City shall be insured for the full available limits of Commercial General and Excess or Umbrella liability maintained by the Contractor, irrespective fo whether such limits maintained by the Contractor are greater than those required by this contract or whether any certificate of insurance furnished to the City evidences limits of liability lower than those maintained by the Contractor.

e. Other Insurance Provision.

The Contractor's Automobile Liability and Commercial General Liability insurance policies are to contain, or be endorsed to contain that they shall be primary insurance as respect to the City. Any insurance, self-insurance, or self-insured pool coverage maintained by the City shall be excess of the Contractor insurance and shall not contribute with it.

f. Acceptability of Insurers.

Insurance is to be placed with insurers with a current A.M. Best rating of not less than A:
VII.

g. Verification of Coverage.

The Contractor shall furnish the City with original certificates and a copy of the amendatory endorsements, including but not necessarily limited to the additional insured endorsements, evidencing the insurance requirements of the Contractor before commencement of the work. Upon request by the City, the Contractor shall furnish certified copies of all required insurance policies, including endorsements, required in this Contract and evidence of all subcontractor's coverage.

h. Notice of Cancellation.

The Contractor shall provide the City and all Additional insureds for this work with written notice of any policy cancellation within two business days of their receipt of such notice.

i. Failure to Maintain Insurance.

Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the City may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract, or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the City on demand, or at the sole discretion of the City, offset against the funds due the Contractor from the City.

5. The parties agree that the Contractor engages in said work as an independent contractor. Nothing contained in this agreement shall be construed as making the Contractor the agent to the City for any purpose or as authorizing or empowering the Contractor to obligate or bind the City in any manner.

6. The Contractor for itself and for its heirs, executors, administrators, successors, or assignees, does agree to fully perform all the Contractor's covenants contained in this agreement.

7. The City agrees that upon completion of the terms and conditions of this Contract by the Contractor, and acceptance of the completed project by the City Council, the City will pay to the Contractor the sum of \$_____ (_____ Dollars), which amount shall *not* include sales tax. The City further agrees to release the Contractor's performance bond upon acceptance of the completed project by the City Council, on the day following the next regularly scheduled City Council meeting following the completion of the project and submission of all necessary documents required by law and this Contract.

Contractor: _____

By: _____

Title: _____

CITY OF HOQUIAM

By _____
Ben Winkelman – Mayor

ATTEST:

By _____
Corrine Schmid – Finance Director

1. CONTRACT DOCUMENTS

- 1.01 In case of inconsistencies or conflict among Contract Documents, notify Architect immediately. For bidding purposes, the Contractor & Subcontractors shall include in their bid(s) the more expensive method or product.
- 1.02 Work not covered in the Contract Documents will not be required unless it is consistent therewith and is reasonably inferable therefrom as being necessary to produce the intended results.
- 1.03 The organization of the Specifications into Divisions and Sections and the arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.
- 1.04 Bids will be taken and awarded under a single contract including general, mechanical and electrical Work as applicable.
- 1.05 The Project Manual is the volume which includes the bidding documents, sample forms, contract documents and the specifications.
- 1.06 The Drawings and Specifications are complimentary, and what is required by any one shall be as binding as if required by all.
- 1.07 In case of inconsistencies or conflict among Contract Documents, interpretations shall be based on the following priorities:
1. Change Orders and other modifications.
 2. The Agreement.
 3. Addenda, with those of later date having precedence over those of earlier date.
 4. Supplementary Conditions.
 5. General Conditions of the Contract for Construction.
 6. Specifications.
 7. Drawings.
 8. Other documents enumerated in the Agreement as part of the Contract Documents.

2. CONTRACTOR

- 2.01 It is the Contractor's responsibility to coordinate the work of the principal Subcontractors observing the following work schedule priority (in descending order), particularly where space is limited: 1) HVAC ductwork, 2) general plumbing work, 3) fire sprinkler plumbing work, 4) electrical work.
- 2.02 In instances where the above priority was not observed and a conflict arises over adequate space for mechanical work, installed work shall be modified as required to allow adequate space for all work at no additional cost to the Owner.
- 2.03 The Contractor, in entering into a Contract for this Work, agrees that he/she is and shall be solely responsible for conformance by those in his employ and by his/her Subcontractors and their employees and by others directly or indirectly connected with the Work under his/her Contract with the State of Washington, Department of Labor and Industries Division of Safety, General Safety Standards and Safety Standards for Construction Work for ladders, scaffolding, staging, runways, hoists and construction elevators, temporary lighting and temporary power outlets and their wiring, and for use of all vehicles and construction processes and equipment and other safety rules and regulations required therein including protection of workers in excavations

- 2.05 The Contractor warrants to the Owner and the Architect that all materials and equipment incorporated in the Work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not conforming to these requirements may be considered defective.

3. SUBSTITUTIONS

- 3.01 The materials, products and equipment described in the Bidding Documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution.
- 3.02 Bidders, their subcontractors and suppliers are encouraged to consider substitutions that could reduce costs while maintaining the desired standard.
- 3.03 The bidder will bear all responsibility when including substitutions in their bid.
- 3.04 It will be the burden of the bidder to prove any substitution is indeed equal of that specified. The Architect will make the ultimate decision as to the acceptance of any substitution.
- 3.05 All bidders considering substitutions, for their own protection, are encouraged to submit a Substitution Request Form (Standard CSI Format) to the Architect prior to the bid opening.

4. PROTECTION & DAMAGE

- 4.01 Provide all labor, material and equipment necessary for protection of the public, State Employees and buildings from damage.
- 4.02 Replace or repair any items damaged due to work performed under this Contract to a condition equal to that of existing.
- 4.03 Erect all necessary barricades, signs and guards as required. Remove at completion of the Work.

5. SUBCONTRACTS

- 5.01 The Architect is not bound to define the limits of any Subcontract, and will not enter into disputes between the Contractor and his employees, including Subcontractors.

6. CHANGES IN THE WORK

- 6.01 All changes in the Work shall be authorized only by written Change Order signed by the Owner and the Architect. Overhead and profit allowances shall be limited as follows:

The allowance for overhead and profit combined, included in the total cost to the Owner, shall be limited as follows: 1) For the Contractor, for any work performed by the Contractor's own forces, (12) percent, 2) For each Subcontractor, for any work performed by the Subcontractor's own forces, (12) percent, 3) For the Contractor, for any work performed by its Subcontractor(s), (8) percent, 4) For each Subcontractor, for any work performed by its lower tier Subcontractor(s), (8) percent.

The allowance for bonds and insurance, combined, shall be limited to (2) percent.

7. WORDING OF THESE SPECIFICATIONS

- 7.01 These Specifications are of the abbreviated or "streamlined" type and frequently include incomplete sentences. Words such as "shall", "the Contractor shall", "shall be" and similar mandatory phrases shall be supplied by inference in the same manner as they are in a note on the Drawings.
- 7.02 The Contractor shall provide all items, articles, materials and operations listed, including all labor, materials, equipment and incidentals required for their completion.

8. DIVISION & PARAGRAPH NUMBERING

- 8.01 Numbering and lettering of Sections and paragraphs in these specifications are merely for identification. Sections included are listed in the "Table of Contents".
- 8.02 The Contractor shall check his copies of the Specifications with the index to be sure they are complete.

9. NUMBER OF SPECIFIED ITEMS REQUIRED

- 9.01 Wherever in these Specifications an article, device or piece of equipment is referred to in the singular number, such reference shall apply to as many such articles as are shown on the Drawing or required to complete the installation.
- 9.02 Whenever an article, device or piece of equipment is referred to in singular number, such reference applies to all such articles shown on Drawings or required to complete the installation.
- 9.03 Whenever an article, device or piece of equipment is referred to, provide all accessory components, trims, covers, etc. as required for a complete installation and finished appearance.

10. COORDINATION

- 10.01 All Contractors shall diligently comply with the following requirements:
1. Cooperate in planning and layout of the Work well in advance of operations.
 2. Inform other Contractors of requirements in proper time to prevent delay or revisions.
 3. Be informed on the requirements of other Contractors and check own work for conflicts with the work of other Contractors.
 4. Ensure delivery of materials and performance of work on coordinated schedule with other Contractors.

11. SPECIFICATION BY REFERENCE

- 11.01 Any material specified by reference to the number, symbol or title of a specific standard such as a commercial standard, Federal Specification, a trade association standard, or other similar standard, shall comply with requirements in the latest revision thereof and any amendment or supplement thereto, in effect on the date of the Bid opening, except as limited to type, class or grade, or modified in such reference.
- 11.02 The standards referred to, except as modified in the Specification, shall have full force and effect as though printed in the Specification.

12. SALVAGE RIGHTS

- 12.01 The Owner shall have the option of claiming any material removed during the course of the Work not scheduled for reuse.
- 12.02 All material not claimed by the Owner shall be promptly removed from the premises and be disposed by the Contractor.

13. MISCELLANEOUS PROVISIONS

- 13.01 Contractor shall secure, include costs therefore in the bid, and pay for performance, labor/material payment and maintenance bonds issued by a bonding company with a Best's rating of "A" or better and licensed to transact business in the State of Washington in Statutory Form. Other bond forms will not be acceptable. Liability under each of the bonds shall be 100 percent of contract sum for:
Performance.
Labor/Material Payment.
One Years maintenance for correction of defective work.

14. PREVAILING WAGE RATES

- 14.01 The federal Davis-Bacon Act requires that Contractors and Subcontractors pay workers no less than the prevailing wage rate for a given category of work. A similar state law, RCW 39.12, requires that workers be paid state prevailing wage rates. The Contractor and Subcontractors shall pay workers the higher of the rates for each job classification involved in the project.
- 14.02 Included in this Project Manual are federal prevailing wage rates. Also included are state prevailing wage rates for journey level workers. See website below for state wage rates for apprentice level workers.
- 14.03 Contractor shall verify current Prevailing Wage Rates and Benefit Code Key as required by RCW 39.12.022 and as furnished by the State of Washington Department of Labor and Industries (Employment Standards Division). The Department of Labor and Industries website is: <http://www.lni.wa.gov/tradeslicensing/prevwage/wagerates/>.
- 14.04 Contractor shall verify apprenticeship requirements as required by the Contract Documents. Department of Labor and Industries website is: <https://fortress.wa.gov/lni/wagelookup/ApprenticeWageLookup.aspx/>.
- 14.05 Per Section 2 of WAC 296-127-011, for all contracts, except Building Services Maintenance Contracts, the Prevailing Wage Rates which are in effect on the date when the bids by the Prime Contractor are required to be submitted to the Contract Awarding Agency are the prevailing wage rates which must be paid for the duration of the Contract.

15. LIQUIDATED DAMAGES

- 15.01 Because the Owner finds it impractical to calculate the actual cost of delays, he/she has adopted the following schedule of liquidated damages for failure to complete the Contract on time. Accordingly, the Contractor agrees:
 - .1 to pay (according to the schedule below) liquidated damages for each working day beyond the contract deadline date for completion, and
 - .2 to authorize the Owner to deduct these liquidated damages from any money due or coming due to the Contractor.

| ORIGINAL CONTRACT AMOUNT | | LIQUIDATED DAMAGES |
|---------------------------------|------------------|---------------------------|
| From More Than | To And Including | Per Working Day |
| \$ 0 | \$ 25,000 | \$75 |
| 25,001 | 50,000 | 150 |
| 50,001 | 100,000 | 200 |
| 100,001 | 500,000 | 250 |

- 15.02 For overruns in Contract time occurring after the Date of Substantial Completion, the schedule of liquidated damages listed above will not apply. After the Substantial Completion Date, Liquidated Damages shall be assessed on the basis of direct engineering and related costs assignable to the project from the Date of Substantial Completion to the date of actual completion of all the Contract Work. The Contractor shall complete the remaining work as promptly as possible. Upon request by the Architect, the Contractor shall furnish a written schedule for completing the Contract.
- 15.03 Liquidated Damages will not be assessed for any days for which an extension of time is granted. No deduction or payment of Liquidated Damages will, in any degree, release the Contractor from further obligations and liabilities to complete the entire Contract

END, SPECIAL CONDITIONS

"General Decision Number: WA20230027 02/03/2023

Superseded General Decision Number: WA20220027

State: Washington

Construction Type: Building

County: Grays Harbor County in Washington.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

| | |
|---|--|
| If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022: | . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023. |
| If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022: | . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023. |

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

| Modification Number | Publication Date |
|---------------------|------------------|
| 0 | 01/06/2023 |
| 1 | 01/27/2023 |
| 2 | 02/03/2023 |

ASBE0007-005 06/01/2022

| | Rates | Fringes |
|--|----------|---------|
| ASBESTOS WORKER/HEAT & FROST INSULATOR (Pipe Insulation)..... | \$ 64.37 | 18.03 |

BRWA0001-015 06/01/2021

| | Rates | Fringes |
|-----------------|----------|---------|
| BRICKLAYER..... | \$ 46.14 | 17.18 |

BRWA0001-016 06/01/2021

| | Rates | Fringes |
|--------------------|----------|---------|
| TILE FINISHER..... | \$ 32.77 | 15.77 |
| TILE SETTER..... | \$ 41.49 | 16.22 |

CARP0030-010 06/01/2021

| | Rates | Fringes |
|--|----------|---------|
| CARPENTER (Acoustical Ceiling Installation)..... | \$ 49.18 | 19.01 |
| CARPENTER (Including Formwork and Drywall Hanging)..... | \$ 49.18 | 19.01 |
| MILLWRIGHT..... | \$ 50.68 | 19.01 |

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL
CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIVERS
Hourly Zone Pay shall be paid on jobs located outside of the
free zone computed from the city center of the following
listed cities:

| | | |
|------------------|--------------|--------------|
| Seattle | Olympia | Bellingham |
| Auburn | Bremerton | Anacortes |
| Renton | Shelton | Yakima |
| Aberdeen-Hoquiam | Tacoma | Wenatchee |
| Ellensburg | Everett | Port Angeles |
| Centralia | Mount Vernon | Sunnyside |
| Chelan | Pt. Townsend | |

Zone Pay:

| | |
|----------------------|-------------|
| 0 -25 radius miles | Free |
| 26-35 radius miles | \$1.00/hour |
| 36-45 radius miles | \$1.15/hour |
| 46-55 radius miles | \$1.35/hour |
| Over 55 radius miles | \$1.55/hour |

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT
AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall,
Tacoma City center, and Everett City center

Zone Pay:

| | |
|----------------------|-------------|
| 0 -25 radius miles | Free |
| 26-45 radius miles | \$.70/hour |
| Over 45 radius miles | \$1.50/hour |

* ELEC0076-005 02/01/2023

| | Rates | Fringes |
|------------------|----------|---------|
| ELECTRICIAN..... | \$ 55.14 | 24.86 |

ENGI0302-024 06/01/2022

| Rates | Fringes |
|-------|---------|
|-------|---------|

Power equipment operators:

| | | |
|-----------------|----------|-------|
| Group 1A..... | \$ 54.20 | 24.47 |
| Group 1AA..... | \$ 54.98 | 24.47 |
| Group 1AAA..... | \$ 55.78 | 24.47 |
| Group 1..... | \$ 53.40 | 24.47 |
| Group 2..... | \$ 52.72 | 24.47 |
| Group 3..... | \$ 52.12 | 24.47 |
| Group 4..... | \$ 48.78 | 24.47 |

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AA - Excavator/Trackhoe, Backhoes: Over 90 metric tons
 GROUP 1A - Loaders-overhead, 8 yards and over;
 excavator/Trackhoe, backhoes: over 50 metric tons to 90
 metric tons
 GROUP 1 - Excavator/Trackhoe, backhoes: over 30 metric tons
 to 50 metric tons; Loader- overhead 6 yards to, but not
 including 8 yards; Dozer D-10
 GROUP 2 - Excavator/Trackhoe, backhoe: 15 to 30 metric tons;
 Loaders-overhead under 6 yards; Mechanic
 GROUP 3 - Dozers-D-9 and under; Roller-Plant Mix;
 Excavator/Trackhoe, backhoe: under 15 metric tons;
 Forklift: 3000 lbs and over with attachments
 GROUP 4 - Roller-other than plant mix; Forklift: under 3000
 lbs with attachments

 IRON0086-003 07/04/2022

| | Rates | Fringes |
|---|----------|---------|
| Ironworker (REINFORCING, STRUCTURAL AND ORNAMENTAL)..... | \$ 49.90 | 31.82 |

 LABO0252-008 06/01/2022

ZONE 1:

| | Rates | Fringes |
|--------------|----------|---------|
| LABORER | | |
| GROUP 3..... | \$ 42.86 | 13.80 |
| GROUP 4..... | \$ 43.90 | 13.80 |
| GROUP 5..... | \$ 44.62 | 13.80 |

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$1.00

ZONE 3 - \$1.30

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,
 TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.

TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective
 city hall

ZONE 2 - More than 25 but less than 45 radius miles from the
 respective city hall

ZONE 3 - More than 45 radius miles from the respective city
 hall

LABORERS CLASSIFICATIONS

GROUP 3: General or Common Laborer

GROUP 4: Pipe Layer

GROUP 5: Mason Tender-Brick; Mason Tender-Cement/Concrete;

Grade Checker

| | | |
|--|----------|---------|
| PAIN0005-001 07/01/2022 | | |
| | Rates | Fringes |
| PAINTER (Brush and Roller, Excludes Spray and Drywall Finishing/Taping)..... | \$ 35.95 | 13.23 |

| | | |
|---|----------|---------|
| PAIN0005-013 01/01/2011 | | |
| | Rates | Fringes |
| SOFT FLOOR LAYER (Including vinyl and carpet)..... | \$ 29.04 | 12.52 |

| | | |
|-------------------------|----------|---------|
| PAIN0188-002 07/01/2019 | | |
| | Rates | Fringes |
| GLAZIER..... | \$ 18.11 | 10.55 |

| | | |
|-------------------------------------|-------|---------|
| PLAS0528-004 06/01/2022 | | |
| | Rates | Fringes |
| CEMENT MASON/CONCRETE FINISHER...\$ | 50.00 | 19.59 |

| | | |
|---------------------------|----------|---------|
| * PLUM0026-010 01/01/2023 | | |
| | Rates | Fringes |
| PIPEFITTER..... | \$ 53.72 | 30.65 |

| | | |
|--|----------|---------|
| ROOF0153-001 06/01/2021 | | |
| | Rates | Fringes |
| ROOFER (Includes Roof Tear Off, Waterproofing, and Installation of Metal Roofs)..... | \$ 41.24 | 16.25 |

| | | |
|--|----------|---------|
| SFWA0699-006 01/01/2023 | | |
| | Rates | Fringes |
| SPRINKLER FITTER (Fire Sprinklers)..... | \$ 44.13 | 26.40 |

| | | |
|--|----------|---------|
| SHEE0066-003 06/01/2022 | | |
| | Rates | Fringes |
| Sheet Metal Worker (HVAC Duct Work Only)..... | \$ 61.55 | 30.05 |

| | | |
|---|----------|---------|
| SUWA2002-007 06/18/2009 | | |
| | Rates | Fringes |
| OPERATOR: Bobcat/Skid Steer/Skid Loader..... | \$ 27.94 | 0.00 |
| OPERATOR: Crane..... | \$ 30.40 | 0.00 |
| PAINTER: Drywall Finishing/Taping..... | \$ 29.90 | 0.00 |
| PAINTER: Spray..... | \$ 17.80 | 4.18 |
| PLUMBER..... | \$ 35.00 | 0.00 |

SHEET METAL WORKER, Excludes
HVAC Duct Installation.....\$ 24.83 0.00

TRUCK DRIVER: Dump Truck.....\$ 23.50 6.87

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
for Federal Contractors applies to all contracts subject to the
Davis-Bacon Act for which the contract is awarded (and any
solicitation was issued) on or after January 1, 2017. If this
contract is covered by the EO, the contractor must provide
employees with 1 hour of paid sick leave for every 30 hours
they work, up to 56 hours of paid sick leave each year.
Employees must be permitted to use paid sick leave for their
own illness, injury or other health-related needs, including
preventive care; to assist a family member (or person who is
like family to the employee) who is ill, injured, or has other
health-related needs, including preventive care; or for reasons
resulting from, or to assist a family member (or person who is
like family to the employee) who is a victim of, domestic
violence, sexual assault, or stalking. Additional information
on contractor requirements and worker protections under the EO
is available at
<https://www.dol.gov/agencies/whd/government-contracts>.
Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification
and wage rates that have been found to be prevailing for the
cited type(s) of construction in the area covered by the wage
determination. The classifications are listed in alphabetical
order of ""identifiers"" that indicate whether the particular
rate is a union rate (current union negotiated rate for local),
a survey rate (weighted average rate) or a union average rate
(weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed
in dotted lines beginning with characters other than ""SU"" or
""UAVG"" denotes that the union classification and rate were
prevailing for that classification in the survey. Example:
PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of
the union which prevailed in the survey for this
classification, which in this example would be Plumbers. 0198
indicates the local union number or district council number
where applicable, i.e., Plumbers Local 0198. The next number,
005 in the example, is an internal number used in processing
the wage determination. 07/01/2014 is the effective date of the
most current negotiated rate, which in this example is July 1,
2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier. Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier. A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the

Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division

U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

State of Washington
 Department of Labor & Industries
 Prevailing Wage Section - Telephone 360-902-5335
 PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 03/03/2023

| <u>County</u> | <u>Trade</u> | <u>Job Classification</u> | <u>Wage</u> | <u>Holiday</u> | <u>Overtime</u> | <u>Note</u> | <u>*Risk Class</u> |
|---------------|--|---------------------------------------|-------------|----------------|-----------------|-------------|----------------------|
| Grays Harbor | Asbestos Abatement Workers | Journey Level | \$56.80 | <u>5D</u> | <u>1H</u> | | View |
| Grays Harbor | Boilermakers | Journey Level | \$74.29 | <u>5N</u> | <u>1C</u> | | View |
| Grays Harbor | Brick Mason | Journey Level | \$66.32 | <u>7E</u> | <u>1N</u> | | View |
| Grays Harbor | Brick Mason | Pointer-Caulker-Cleaner | \$66.32 | <u>7E</u> | <u>1N</u> | | View |
| Grays Harbor | Building Service Employees | Janitor | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Building Service Employees | Shampooer | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Building Service Employees | Waxer | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Building Service Employees | Window Cleaner | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Cabinet Makers (In Shop) | Journey Level | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Carpenters | Acoustical Worker | \$71.53 | <u>15J</u> | <u>4C</u> | | View |
| Grays Harbor | Carpenters | Bridge, Dock And Wharf Carpenters | \$71.53 | <u>15J</u> | <u>4C</u> | | View |
| Grays Harbor | Carpenters | Floor Layer & Floor Finisher | \$71.53 | <u>15J</u> | <u>4C</u> | | View |
| Grays Harbor | Carpenters | Journey Level | \$71.53 | <u>15J</u> | <u>4C</u> | | View |
| Grays Harbor | Carpenters | Scaffold Erector | \$71.53 | <u>15J</u> | <u>4C</u> | | View |
| Grays Harbor | Cement Masons | Application of all Composition Mastic | \$70.09 | <u>15J</u> | <u>4U</u> | | View |
| Grays Harbor | Cement Masons | Application of all Epoxy Material | \$69.59 | <u>15J</u> | <u>4U</u> | | View |
| Grays Harbor | Cement Masons | Application of all Plastic Material | \$70.09 | <u>15J</u> | <u>4U</u> | | View |

| | | | | | | | |
|--------------|-------------------------------|---|---------|---------------------|--------------------|--|----------------------|
| Grays Harbor | Cement Masons | Application of Sealing Compound | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Application of Underlayment | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Building General | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Composition or Kalman Floors | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Concrete Paving | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Curb & Gutter Machine | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Curb & Gutter, Sidewalks | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Curing Concrete | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Finish Colored Concrete | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Floor Grinding | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Floor Grinding/Polisher | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Green Concrete Saw, self-powered | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Grouting of all Plates | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Grouting of all Tilt-up Panels | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Guniting Nozzleman | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Hand Powered Grinder | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Journey Level | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Patching Concrete | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Pneumatic Power Tools | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Power Chipping & Brushing | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Sand Blasting Architectural Finish | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Screed & Rodding Machine | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Spackling or Skim Coat Concrete | \$69.59 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Troweling Machine Operator | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Troweling Machine Operator on Colored Slabs | \$70.09 | 15J | 4U | | View |
| Grays Harbor | Cement Masons | Tunnel Workers | \$70.09 | 15J | 4U | | View |

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|--------------|--------------------------------------|---|----------|---------------------|--------------------|--------------------|----------------------|
| Grays Harbor | Divers & Tenders | Bell/Vehicle or Submersible Operator (Not Under Pressure) | \$126.05 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Dive Supervisor/Master | \$89.94 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Diver | \$126.05 | 15J | 4C | 8V | View |
| Grays Harbor | Divers & Tenders | Diver On Standby | \$84.94 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Diver Tender | \$77.16 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI | \$89.09 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI | \$94.09 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI | \$107.09 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI | \$103.09 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI | \$105.59 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI | \$110.59 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI | \$112.59 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI | \$114.59 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI | \$116.59 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Manifold Operator | \$77.16 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Manifold Operator Mixed Gas | \$82.16 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Remote Operated Vehicle Operator/Technician | \$77.16 | 15J | 4C | | View |
| Grays Harbor | Divers & Tenders | Remote Operated Vehicle Tender | \$71.98 | 15J | 4C | | View |
| Grays Harbor | Dredge Workers | Assistant Engineer | \$76.56 | 5D | 3F | | View |
| Grays Harbor | Dredge Workers | Assistant Mate (Deckhand) | \$75.97 | 5D | 3F | | View |
| Grays Harbor | Dredge Workers | Boatmen | \$76.56 | 5D | 3F | | View |
| Grays Harbor | Dredge Workers | Engineer Welder | \$78.03 | 5D | 3F | | View |

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|--------------|--|--------------------------------------|----------|------------|-----------|-----------|----------------------|
| Grays Harbor | Dredge Workers | Leverman, Hydraulic | \$79.59 | <u>5D</u> | <u>3F</u> | | View |
| Grays Harbor | Dredge Workers | Mates | \$76.56 | <u>5D</u> | <u>3F</u> | | View |
| Grays Harbor | Dredge Workers | Oiler | \$75.97 | <u>5D</u> | <u>3F</u> | | View |
| Grays Harbor | Drywall Applicator | Journey Level | \$71.53 | <u>15J</u> | <u>4C</u> | | View |
| Grays Harbor | Drywall Tapers | Journey Level | \$70.61 | <u>5P</u> | <u>1E</u> | | View |
| Grays Harbor | Electrical Fixture Maintenance Workers | Journey Level | \$80.57 | <u>5C</u> | <u>1G</u> | | View |
| Grays Harbor | Electricians - Inside | Cable Splicer | \$86.25 | <u>5C</u> | <u>1G</u> | | View |
| Grays Harbor | Electricians - Inside | Journey Level | \$80.57 | <u>5C</u> | <u>1G</u> | | View |
| Grays Harbor | Electricians - Inside | Lead Covered Cable Splicer | \$91.94 | <u>5C</u> | <u>1G</u> | | View |
| Grays Harbor | Electricians - Inside | Welder | \$86.25 | <u>5C</u> | <u>1G</u> | | View |
| Grays Harbor | Electricians - Motor Shop | Journey Level | \$34.55 | <u>5C</u> | <u>1I</u> | | View |
| Grays Harbor | Electricians - Powerline Construction | Cable Splicer | \$93.00 | <u>5A</u> | <u>4D</u> | | View |
| Grays Harbor | Electricians - Powerline Construction | Certified Line Welder | \$85.42 | <u>5A</u> | <u>4D</u> | | View |
| Grays Harbor | Electricians - Powerline Construction | Groundperson | \$55.27 | <u>5A</u> | <u>4D</u> | | View |
| Grays Harbor | Electricians - Powerline Construction | Heavy Line Equipment Operator | \$85.42 | <u>5A</u> | <u>4D</u> | | View |
| Grays Harbor | Electricians - Powerline Construction | Journey Level Lineperson | \$85.42 | <u>5A</u> | <u>4D</u> | | View |
| Grays Harbor | Electricians - Powerline Construction | Line Equipment Operator | \$73.35 | <u>5A</u> | <u>4D</u> | | View |
| Grays Harbor | Electricians - Powerline Construction | Meter Installer | \$55.27 | <u>5A</u> | <u>4D</u> | <u>8W</u> | View |
| Grays Harbor | Electricians - Powerline Construction | Pole Sprayer | \$85.42 | <u>5A</u> | <u>4D</u> | | View |
| Grays Harbor | Electricians - Powerline Construction | Powderperson | \$63.50 | <u>5A</u> | <u>4D</u> | | View |
| Grays Harbor | Electronic Technicians | Journey Level | \$51.14 | <u>6Z</u> | <u>1B</u> | | View |
| Grays Harbor | Elevator Constructors | Mechanic | \$107.49 | <u>7D</u> | <u>4A</u> | | View |
| Grays Harbor | Elevator Constructors | Mechanic In Charge | \$116.13 | <u>7D</u> | <u>4A</u> | | View |
| Grays Harbor | Fabricated Precast Concrete Products | Journey Level | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Fabricated Precast Concrete Products | Journey Level - In-Factory Work Only | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Fence Erectors | Fence Erector | \$48.14 | <u>15J</u> | <u>4V</u> | <u>8Y</u> | View |

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|--------------|--|---------------------------------------|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Fence Erectors | Fence Laborer | \$48.14 | 15J | 4V | 8Y | View |
| Grays Harbor | Flaggers | Journey Level | \$48.14 | 15J | 4V | 8Y | View |
| Grays Harbor | Glaziers | Journey Level | \$28.66 | 5R | 1Z | | View |
| Grays Harbor | Heat & Frost Insulators And Asbestos Workers | Journey Level | \$84.84 | 15H | 11C | | View |
| Grays Harbor | Heating Equipment Mechanics | Journey Level | \$94.11 | 7F | 1E | | View |
| Grays Harbor | Hod Carriers & Mason Tenders | Journey Level | \$59.85 | 15J | 4V | 8Y | View |
| Grays Harbor | Industrial Power Vacuum Cleaner | Journey Level | \$15.74 | | 1 | | View |
| Grays Harbor | Inland Boatmen | Boat Operator | \$61.41 | 5B | 1K | | View |
| Grays Harbor | Inland Boatmen | Cook | \$56.48 | 5B | 1K | | View |
| Grays Harbor | Inland Boatmen | Deckhand | \$57.48 | 5B | 1K | | View |
| Grays Harbor | Inland Boatmen | Deckhand Engineer | \$58.81 | 5B | 1K | | View |
| Grays Harbor | Inland Boatmen | Launch Operator | \$58.89 | 5B | 1K | | View |
| Grays Harbor | Inland Boatmen | Mate | \$57.31 | 5B | 1K | | View |
| Grays Harbor | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Cleaner Operator, Foamer Operator | \$15.74 | | 1 | | View |
| Grays Harbor | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Grout Truck Operator | \$15.74 | | 1 | | View |
| Grays Harbor | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Head Operator | \$15.74 | | 1 | | View |
| Grays Harbor | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Technician | \$15.74 | | 1 | | View |
| Grays Harbor | Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control | Tv Truck Operator | \$15.74 | | 1 | | View |
| Grays Harbor | Insulation Applicators | Journey Level | \$71.53 | 15J | 4C | | View |
| Grays Harbor | Ironworkers | Journeyman | \$83.79 | 7N | 10 | | View |
| Grays Harbor | Laborers | Air, Gas Or Electric Vibrating Screed | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Airtrac Drill Operator | \$58.56 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Ballast Regular Machine | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Batch Weighman | \$48.14 | 15J | 4V | 8Y | View |

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|--------------|--------------------------|--|---------|---------------------|--------------------|--------------------|----------------------|
| Grays Harbor | Laborers | Brick Pavers | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Brush Cutter | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Brush Hog Feeder | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Burner | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Caisson Worker | \$58.56 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Carpenter Tender | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Cement Dumper-paving | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Cement Finisher Tender | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Change House Or Dry Shack | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Chipping Gun (30 Lbs. And Over) | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Chipping Gun (Under 30 Lbs.) | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Choker Setter | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Chuck Tender | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Clary Power Spreader | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Clean-up Laborer | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Concrete Dumper/Chute Operator | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Concrete Form Stripper | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Concrete Placement Crew | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Concrete Saw Operator/Core Driller | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Crusher Feeder | \$48.14 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Curing Laborer | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Demolition: Wrecking & Moving (Incl. Charred Material) | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Ditch Digger | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Diver | \$58.56 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Drill Operator (Hydraulic, Diamond) | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Dry Stack Walls | \$56.80 | 15J | 4V | 8Y | View |

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|--------------|--------------------------|--|---------|---------------------|--------------------|--------------------|----------------------|
| Grays Harbor | Laborers | Dump Person | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Epoxy Technician | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Erosion Control Worker | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Faller & Bucker Chain Saw | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Fine Graders | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Firewatch | \$48.14 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Form Setter | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Gabian Basket Builders | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | General Laborer | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Grade Checker & Transit Person | \$59.85 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Grinders | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Grout Machine Tender | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Groutmen (Pressure) Including Post Tension Beams | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Guardrail Erector | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Hazardous Waste Worker (Level A) | \$58.56 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Hazardous Waste Worker (Level B) | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Hazardous Waste Worker (Level C) | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | High Scaler | \$58.56 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Jackhammer | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Laserbeam Operator | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Maintenance Person | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Manhole Builder-Mudman | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Material Yard Person | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Mold Abatement Worker | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Motorman-Dinky Locomotive | \$59.95 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | nozzleman (concrete pump, green cutter when using combination of high pressure | \$59.85 | 15J | 4V | 8Y | View |

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| | | air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster) | | | | | |
| Grays Harbor | Laborers | Pavement Breaker | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Pilot Car | \$48.14 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Pipe Layer (Lead) | \$59.85 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Pipe Layer/Tailor | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Pipe Pot Tender | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Pipe Reliner | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Pipe Wrapper | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Pot Tender | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Powderman | \$58.56 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Powderman's Helper | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Power Jacks | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Railroad Spike Puller - Power | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Raker - Asphalt | \$59.85 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Re-timberman | \$58.56 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Remote Equipment Operator | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Rigger/Signal Person | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Rip Rap Person | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Rivet Buster | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Rodder | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Scaffold Erector | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Scale Person | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Sloper (Over 20") | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Sloper Sprayer | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Spreader (Concrete) | \$57.84 | 15J | 4V | 8Y | View |

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|--------------|--------------------------|---|----------|---------------------|--------------------|--------------------|----------------------|
| Grays Harbor | Laborers | Stake Hopper | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Stock Piler | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Swinging Stage/Boatswain Chair | \$48.14 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Tamper & Similar Electric, Air & Gas Operated Tools | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Tamper (Multiple & Self-propelled) | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Timber Person - Sewer (Lagger, Shorer & Cribber) | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Toolroom Person (at Jobsite) | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Topper | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Track Laborer | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Track Liner (Power) | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Traffic Control Laborer | \$51.48 | 15J | 4V | 9C | View |
| Grays Harbor | Laborers | Traffic Control Supervisor | \$54.55 | 15J | 4V | 9C | View |
| Grays Harbor | Laborers | Truck Spotter | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Tugger Operator | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Tunnel Work-Compressed Air Worker 0-30 psi | \$158.87 | 15J | 4V | 9B | View |
| Grays Harbor | Laborers | Tunnel Work-Compressed Air Worker 30.01-44.00 psi | \$163.90 | 15J | 4V | 9B | View |
| Grays Harbor | Laborers | Tunnel Work-Compressed Air Worker 44.01-54.00 psi | \$167.58 | 15J | 4V | 9B | View |
| Grays Harbor | Laborers | Tunnel Work-Compressed Air Worker 54.01-60.00 psi | \$173.28 | 15J | 4V | 9B | View |
| Grays Harbor | Laborers | Tunnel Work-Compressed Air Worker 60.01-64.00 psi | \$175.40 | 15J | 4V | 9B | View |
| Grays Harbor | Laborers | Tunnel Work-Compressed Air Worker 64.01-68.00 psi | \$180.50 | 15J | 4V | 9B | View |
| Grays Harbor | Laborers | Tunnel Work-Compressed Air Worker 68.01-70.00 psi | \$182.40 | 15J | 4V | 9B | View |
| Grays Harbor | Laborers | Tunnel Work-Compressed Air Worker 70.01-72.00 psi | \$184.40 | 15J | 4V | 9B | View |
| Grays Harbor | Laborers | Tunnel Work-Compressed Air Worker 72.01-74.00 psi | \$186.40 | 15J | 4V | 9B | View |
| Grays Harbor | Laborers | Tunnel Work-Guage and Lock Tender | \$59.95 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Tunnel Work-Miner | \$59.95 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Vibrator | \$57.84 | 15J | 4V | 8Y | View |

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|--------------|--|---|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Laborers | Vinyl Seamer | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Watchman | \$43.76 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Welder | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Well Point Laborer | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers | Window Washer/Cleaner | \$43.76 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers - Underground Sewer & Water | General Laborer & Topman | \$56.80 | 15J | 4V | 8Y | View |
| Grays Harbor | Laborers - Underground Sewer & Water | Pipe Layer | \$57.84 | 15J | 4V | 8Y | View |
| Grays Harbor | Landscape Construction | Landscape Construction/Landscaping Or Planting Laborers | \$43.76 | 15J | 4V | 8Y | View |
| Grays Harbor | Landscape Construction | Landscape Operator | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Landscape Maintenance | Groundskeeper | \$15.74 | | 1 | | View |
| Grays Harbor | Lathers | Journey Level | \$71.53 | 15J | 4C | | View |
| Grays Harbor | Marble Setters | Journey Level | \$66.32 | 7E | 1N | | View |
| Grays Harbor | Metal Fabrication (In Shop) | Fitter | \$15.74 | | 1 | | View |
| Grays Harbor | Metal Fabrication (In Shop) | Laborer | \$15.74 | | 1 | | View |
| Grays Harbor | Metal Fabrication (In Shop) | Machine Operator | \$15.74 | | 1 | | View |
| Grays Harbor | Metal Fabrication (In Shop) | Painter | \$15.74 | | 1 | | View |
| Grays Harbor | Metal Fabrication (In Shop) | Welder | \$15.74 | | 1 | | View |
| Grays Harbor | Millwright | Journey Level | \$73.08 | 15J | 4C | | View |
| Grays Harbor | Modular Buildings | Cabinet Assembly | \$15.74 | | 1 | | View |
| Grays Harbor | Modular Buildings | Electrician | \$15.74 | | 1 | | View |
| Grays Harbor | Modular Buildings | Equipment Maintenance | \$15.74 | | 1 | | View |
| Grays Harbor | Modular Buildings | Plumber | \$15.74 | | 1 | | View |
| Grays Harbor | Modular Buildings | Production Worker | \$15.74 | | 1 | | View |
| Grays Harbor | Modular Buildings | Tool Maintenance | \$15.74 | | 1 | | View |
| Grays Harbor | Modular Buildings | Utility Person | \$15.74 | | 1 | | View |
| Grays Harbor | Modular Buildings | Welder | \$15.74 | | 1 | | View |

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| Grays Harbor | Painters | Journey Level | \$49.46 | <u>6Z</u> | <u>11J</u> | | View |
| Grays Harbor | Pile Driver | Crew Tender | \$77.16 | <u>15J</u> | <u>4C</u> | | View |
| Grays Harbor | Pile Driver | Journey Level | \$71.98 | <u>15J</u> | <u>4C</u> | | View |
| Grays Harbor | Plasterers | Journey Level | \$67.49 | <u>7Q</u> | <u>1R</u> | | View |
| Grays Harbor | Plasterers | Nozzleman | \$71.49 | <u>7Q</u> | <u>1R</u> | | View |
| Grays Harbor | Playground & Park Equipment Installers | Journey Level | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Plumbers & Pipefitters | Journey Level | \$84.72 | <u>5A</u> | <u>1G</u> | | View |
| Grays Harbor | Power Equipment Operators | Asphalt Plant Operators | \$76.77 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Assistant Engineer | \$72.20 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Barrier Machine (zipper) | \$76.09 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Batch Plant Operator: concrete | \$76.09 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Boat Operator | \$76.79 | <u>7A</u> | <u>11H</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Bobcat | \$72.20 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Brokk - Remote Demolition Equipment | \$72.20 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Brooms | \$72.20 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Bump Cutter | \$76.09 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Cableways | \$76.77 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Chipper | \$76.09 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Compressor | \$72.20 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Concrete Finish Machine - Laser Screed | \$72.20 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure | \$75.51 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Concrete Pump: Truck Mount With Boom Attachment Over 42 M | \$76.77 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Concrete Pump: Truck Mount With Boom Attachment Up To 42m | \$76.09 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Conveyors | \$75.51 | <u>15J</u> | <u>11G</u> | <u>8X</u> | View |
| Grays Harbor | Power Equipment Operators | Cranes Friction: 200 tons and over | \$79.13 | <u>7A</u> | <u>11H</u> | <u>8X</u> | View |

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|--------------|---|---|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Power Equipment Operators | Cranes, A-frame: 10 tons and under | \$72.22 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments) | \$77.56 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Cranes: 20 tons through 44 tons with attachments | \$76.11 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments | \$78.36 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Cranes: 300 tons and over or 300' of boom including jib with attachments | \$79.13 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments) | \$76.79 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Cranes: Friction cranes through 199 tons | \$78.36 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Cranes: through 19 tons with attachments, a-frame over 10 tons | \$75.53 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Crusher | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Deck Engineer/Deck Winches (power) | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Derricks, On Building Work | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Dozers D-9 & Under | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Drill Oilers: Auger Type, Truck Or Crane Mount | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Drilling Machine | \$77.54 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Elevator and man-lift: permanent and shaft type | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Finishing Machine, Bidwell And Gamaco & Similar Equipment | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Forklift: 3000 lbs and over with attachments | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Forklifts: under 3000 lbs. with attachments | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Grade Engineer: Using Blue Prints, Cut Sheets, Etc | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Gradechecker/Stakeman | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Guardrail Punch | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Hard Tail End Dump Articulating Off-road | \$76.09 | 15J | 11G | 8X | View |

| | | Equipment Under 45 Yards | | | | | |
|--------------|---|--|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Power Equipment Operators | Horizontal/Directional Drill Locator | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Horizontal/Directional Drill Operator | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Hydralifts/Boom Trucks Over 10 Tons | \$75.53 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Hydralifts/boom trucks: 10 tons and under | \$72.22 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Leverman | \$78.33 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Loader, Overhead, 6 Yards. But Not Including 8 Yards | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Loaders, Overhead Under 6 Yards | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Loaders, Plant Feed | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Loaders: Elevating Type Belt | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Locomotives, All | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Material Transfer Device | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Mechanics: All (Leadmen - \$0.50 per hour over mechanic) | \$77.54 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Motor Patrol Graders | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Oil Distributors, Blower Distribution & Mulch Seeding Operator | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Overhead, bridge type Crane: 20 tons through 44 tons | \$76.11 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Overhead, bridge type: 100 tons and over | \$77.56 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Overhead, bridge type: 45 tons through 99 tons | \$76.79 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Pavement Breaker | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Pile Driver (other Than Crane Mount) | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Plant Oiler - Asphalt, Crusher | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Posthole Digger, Mechanical | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Power Plant | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Pumps - Water | \$72.20 | 15J | 11G | 8X | View |

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|--------------|---|--|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Power Equipment Operators | Quad 9, Hd 41, D10 And Over | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Quick Tower: no cab, under 100 feet in height base to boom | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Remote Control Operator On Rubber Tired Earth Moving Equipment | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Rigger and Bellman | \$72.22 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Rigger/Signal Person, Bellman(Certified) | \$75.53 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Rollagon | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Roller, Other Than Plant Mix | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Roller, Plant Mix Or Multi-lift Materials | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Roto-mill, Roto-grinder | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Saws - Concrete | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Scraper, Self Propelled Under 45 Yards | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Scrapers - Concrete & Carry All | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Scrapers, Self-propelled: 45 Yards And Over | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Service Engineers: Equipment | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Shotcrete/Gunite Equipment | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons | \$77.54 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Shovel, Excavator, Backhoes: Over 90 Metric Tons | \$78.33 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Slipform Pavers | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Spreader, Topsider & Screedman | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Subgrader Trimmer | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Tower Bucket Elevators | \$75.51 | 15J | 11G | 8X | View |

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|--------------|---|--|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Power Equipment Operators | Tower Crane: over 175' through 250' in height, base to boom | \$78.36 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Tower crane: up to 175' in height base to boom | \$77.56 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Tower Cranes: over 250' in height from base to boom | \$79.13 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Transporters, All Track Or Truck Type | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Trenching Machines | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Truck Crane Oiler/Driver: 100 tons and over | \$76.11 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Truck crane oiler/driver: under 100 tons | \$75.53 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators | Truck Mount Portable Conveyor | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Vac Truck (Vactor Guzzler, Hydro Excavator) | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Welder | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Wheel Tractors, Farmall Type | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators | Yo Yo Pay Dozer | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Asphalt Plant Operators | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Assistant Engineer | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Barrier Machine (zipper) | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Batch Plant Operator, Concrete | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Boat Operator | \$76.79 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Bobcat | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Brokk - Remote Demolition Equipment | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Brooms | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Bump Cutter | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cableways | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Chipper | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Compressor | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Concrete Finish Machine - Laser Screed | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure | \$75.51 | 15J | 11G | 8X | View |

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|--------------|---|---|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Concrete Pump: Truck Mount With Boom Attachment Over 42 M | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Concrete Pump: Truck Mount With Boom Attachment Up To 42m | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Conveyors | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes Friction: 200 tons and over | \$79.13 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes, A-frame: 10 tons and under | \$72.22 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments) | \$77.56 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes: 20 tons through 44 tons with attachments | \$76.11 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes: 20 tons through 44 tons with attachments | \$76.11 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments | \$78.36 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes: 300 tons and over or 300' of boom including jib with attachments | \$79.13 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments) | \$76.79 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes: Friction cranes through 199 tons | \$78.36 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Cranes: through 19 tons with attachments, a-frame over 10 tons | \$75.53 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Crusher | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Deck Engineer/Deck Winches (power) | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Derricks, On Building Work | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Dozers D-9 & Under | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Drill Oilers: Auger Type, Truck Or Crane Mount | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Drilling Machine | \$77.54 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Elevator and man-lift: permanent and shaft type | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Finishing Machine, Bidwell And Gamaco & Similar Equipment | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Forklift: 3000 lbs and over with attachments | \$75.51 | 15J | 11G | 8X | View |

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|--------------|---|--|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Forklifts: under 3000 lbs. with attachments | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Grade Engineer: Using Blue Prints, Cut Sheets, Etc | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Gradechecker/Stakeman | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Guardrail Punch | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Horizontal/Directional Drill Locator | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Horizontal/Directional Drill Operator | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Hydralifts/boom trucks: 10 tons and under | \$72.22 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Hydralifts/boom trucks: over 10 tons | \$75.53 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Leverman | \$78.33 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Loader, Overhead, 6 Yards. But Not Including 8 Yards | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Loaders, Overhead Under 6 Yards | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Loaders, Plant Feed | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Loaders: Elevating Type Belt | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Locomotives, All | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Material Transfer Device | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Mechanics: All (Leadmen - \$0.50 per hour over mechanic) | \$77.54 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Motor Patrol Graders | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Oil Distributors, Blower Distribution & Mulch Seeding Operator | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Overhead, bridge type Crane: 20 tons through 44 tons | \$76.11 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Overhead, bridge type: 100 tons and over | \$77.56 | 7A | 11H | 8X | View |

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|--------------|---|---|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Overhead, bridge type: 45 tons through 99 tons | \$76.79 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Pavement Breaker | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Pile Driver (other Than Crane Mount) | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Plant Oiler - Asphalt, Crusher | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Posthole Digger, Mechanical | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Power Plant | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Pumps - Water | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Quad 9, Hd 41, D10 And Over | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Quick Tower: no cab, under 100 feet in height base to boom | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Remote Control Operator On Rubber Tired Earth Moving Equipment | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Rigger and Bellman | \$72.22 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Rigger/Signal Person, Bellman(Certified) | \$75.53 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Rollagon | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Roller, Other Than Plant Mix | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Roller, Plant Mix Or Multi-lift Materials | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Roto-mill, Roto-grinder | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Saws - Concrete | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Scraper, Self Propelled Under 45 Yards | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Scrapers - Concrete & Carry All | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Scrapers, Self-propelled: 45 Yards And Over | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Shotcrete/Gunite Equipment | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 | \$77.54 | 15J | 11G | 8X | View |

| | | Metric Tons | | | | | |
|--------------|---|---|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Shovel, Excavator, Backhoes: Over 90 Metric Tons | \$78.33 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Slipform Pavers | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Spreader, Topsider & Screedman | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Subgrader Trimmer | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Tower Bucket Elevators | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Tower Crane: over 175' through 250' in height, base to boom | \$78.36 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Tower crane: up to 175' in height base to boom | \$77.56 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Tower Cranes: over 250' in height from base to boom | \$79.13 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Transporters, All Track Or Truck Type | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Trenching Machines | \$75.51 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Truck Crane Oiler/Driver: 100 tons and over | \$76.11 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Truck Crane Oiler/Driver: 100 tons and over | \$76.11 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Truck crane oiler/driver: under 100 tons | \$75.53 | 7A | 11H | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Truck Mount Portable Conveyor | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Vac Truck (Vactor Guzzler, Hydro Excavator) | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Welder | \$76.77 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Wheel Tractors, Farmall Type | \$72.20 | 15J | 11G | 8X | View |
| Grays Harbor | Power Equipment Operators-Underground Sewer & Water | Yo Yo Pay Dozer | \$76.09 | 15J | 11G | 8X | View |
| Grays Harbor | Power Line Clearance Tree Trimmers | Journey Level In Charge | \$57.22 | 5A | 4A | | View |
| Grays Harbor | Power Line Clearance Tree Trimmers | Spray Person | \$54.32 | 5A | 4A | | View |
| Grays Harbor | Power Line Clearance Tree Trimmers | Tree Equipment Operator | \$57.22 | 5A | 4A | | View |
| Grays Harbor | Power Line Clearance Tree Trimmers | Tree Trimmer | \$51.18 | 5A | 4A | | View |
| Grays Harbor | Power Line Clearance Tree Trimmers | Tree Trimmer Groundperson | \$38.99 | 5A | 4A | | View |
| Grays Harbor | Refrigeration & Air Conditioning Mechanics | Journey Level | \$85.71 | 5A | 1G | | View |
| Grays Harbor | Residential Brick Mason | Journey Level | \$15.74 | | 1 | | View |
| Grays | Residential Carpenters | Journey Level | \$28.10 | | 1 | | View |

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|--------------|--|---|---------|-----|-----|----------------------|
| Harbor | | | | | | |
| Grays Harbor | Residential Cement Masons | Journey Level | \$25.84 | | 1 | View |
| Grays Harbor | Residential Drywall Applicators | Journey Level | \$49.92 | 15J | 4C | View |
| Grays Harbor | Residential Drywall Tapers | Journey Level | \$21.62 | | 1 | View |
| Grays Harbor | Residential Electricians | Journey Level | \$43.03 | 6Z | 1B | View |
| Grays Harbor | Residential Glaziers | Journey Level | \$28.66 | 5R | 1Z | View |
| Grays Harbor | Residential Insulation Applicators | Journey Level | \$15.74 | | 1 | View |
| Grays Harbor | Residential Laborers | Journey Level | \$24.48 | | 1 | View |
| Grays Harbor | Residential Marble Setters | Journey Level | \$15.74 | | 1 | View |
| Grays Harbor | Residential Painters | Journey Level | \$15.74 | | 1 | View |
| Grays Harbor | Residential Plumbers & Pipefitters | Journey Level | \$26.35 | | 1 | View |
| Grays Harbor | Residential Refrigeration & Air Conditioning Mechanics | Journey Level | \$15.74 | | 1 | View |
| Grays Harbor | Residential Sheet Metal Workers | Journey Level | \$94.11 | 7F | 1E | View |
| Grays Harbor | Residential Soft Floor Layers | Journey Level | \$55.76 | 5A | 3J | View |
| Grays Harbor | Residential Sprinkler Fitters (Fire Protection) | Journey Level | \$19.42 | | 1 | View |
| Grays Harbor | Residential Stone Masons | Journey Level | \$15.74 | | 1 | View |
| Grays Harbor | Residential Terrazzo Workers | Journey Level | \$15.74 | | 1 | View |
| Grays Harbor | Residential Terrazzo/Tile Finishers | Journey Level | \$15.74 | | 1 | View |
| Grays Harbor | Residential Tile Setters | Journey Level | \$15.74 | | 1 | View |
| Grays Harbor | Roofers | Journey Level | \$60.90 | 5A | 2O | View |
| Grays Harbor | Roofers | Using Irritable Bituminous Materials | \$63.90 | 5A | 2O | View |
| Grays Harbor | Sheet Metal Workers | Journey Level (Field or Shop) | \$94.11 | 7F | 1E | View |
| Grays Harbor | Shipbuilding & Ship Repair | New Construction Heat & Frost Insulator | \$84.84 | 15H | 11C | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Boilermaker | \$45.06 | 7Y | 4K | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Carpenter | \$45.06 | 7Y | 4K | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Crane Operator | \$45.06 | 7Y | 4K | View |
| Grays | Shipbuilding & Ship Repair | Ship Repair Electrician | \$45.06 | 7Y | 4K | View |

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|--------------|---|---|---------|------------|------------|-----------|----------------------|
| Harbor | | | | | | | |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Heat & Frost Insulator | \$84.84 | <u>15H</u> | <u>11C</u> | | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Laborer | \$45.06 | <u>7Y</u> | <u>4K</u> | | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Machinist | \$45.06 | <u>7Y</u> | <u>4K</u> | | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Operating Engineer | \$45.06 | <u>7Y</u> | <u>4K</u> | | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Painter | \$45.06 | <u>7Y</u> | <u>4K</u> | | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Pipefitter | \$45.06 | <u>7Y</u> | <u>4K</u> | | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Rigger | \$45.06 | <u>7Y</u> | <u>4K</u> | | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Sheet Metal | \$45.06 | <u>7Y</u> | <u>4K</u> | | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Shipwright | \$45.06 | <u>7Y</u> | <u>4K</u> | | View |
| Grays Harbor | Shipbuilding & Ship Repair | Ship Repair Warehouse / Teamster | \$45.06 | <u>7Y</u> | <u>4K</u> | | View |
| Grays Harbor | Sign Makers & Installers (Electrical) | Journey Level | \$18.04 | | <u>1</u> | | View |
| Grays Harbor | Sign Makers & Installers (Non-Electrical) | Journey Level | \$18.04 | | <u>1</u> | | View |
| Grays Harbor | Soft Floor Layers | Journey Level | \$62.39 | <u>15J</u> | <u>4C</u> | | View |
| Grays Harbor | Solar Controls For Windows | Journey Level | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Sprinkler Fitters (Fire Protection) | Journey Level | \$70.52 | <u>7J</u> | <u>1R</u> | | View |
| Grays Harbor | Stage Rigging Mechanics (Non Structural) | Journey Level | \$15.74 | | <u>1</u> | | View |
| Grays Harbor | Stone Masons | Journey Level | \$66.32 | <u>7E</u> | <u>1N</u> | | View |
| Grays Harbor | Street And Parking Lot Sweeper Workers | Journey Level | \$16.00 | | <u>1</u> | | View |
| Grays Harbor | Surveyors | Assistant Construction Site Surveyor | \$75.53 | <u>7A</u> | <u>11H</u> | <u>8X</u> | View |
| Grays Harbor | Surveyors | Chainman | \$72.22 | <u>7A</u> | <u>11H</u> | <u>8X</u> | View |
| Grays Harbor | Surveyors | Construction Site Surveyor | \$76.79 | <u>7A</u> | <u>11H</u> | <u>8X</u> | View |
| Grays Harbor | Surveyors | Drone Operator (when used in conjunction with survey work only) | \$72.22 | <u>7A</u> | <u>11H</u> | <u>8X</u> | View |
| Grays Harbor | Surveyors | Ground Penetrating Radar Operator | \$72.22 | <u>7A</u> | <u>11H</u> | <u>8X</u> | View |
| Grays Harbor | Telecommunication Technicians | Journey Level | \$51.14 | <u>6Z</u> | <u>1B</u> | | View |
| Grays Harbor | Telephone Line Construction - Outside | Cable Splicer | \$39.15 | <u>5A</u> | <u>2B</u> | | View |

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|--------------|--|--------------------------------------|---------|---------------------|---------------------|--------------------|----------------------|
| Grays Harbor | Telephone Line Construction - Outside | Hole Digger/Ground Person | \$26.29 | 5A | 2B | | View |
| Grays Harbor | Telephone Line Construction - Outside | Telephone Equipment Operator (Light) | \$32.72 | 5A | 2B | | View |
| Grays Harbor | Telephone Line Construction - Outside | Telephone Lineperson | \$37.00 | 5A | 2B | | View |
| Grays Harbor | Terrazzo Workers | Journey Level | \$60.36 | 7E | 1N | | View |
| Grays Harbor | Tile Setters | Journey Level | \$60.36 | 7E | 1N | | View |
| Grays Harbor | Tile, Marble & Terrazzo Finishers | Finisher | \$51.19 | 7E | 1N | | View |
| Grays Harbor | Traffic Control Stripers | Journey Level | \$51.90 | 7A | 1K | | View |
| Grays Harbor | Truck Drivers | Asphalt Mix Over 16 Yards | \$71.70 | 15J | 11M | 8L | View |
| Grays Harbor | Truck Drivers | Asphalt Mix To 16 Yards | \$70.86 | 15J | 11M | 8L | View |
| Grays Harbor | Truck Drivers | Dump Truck | \$70.86 | 15J | 11M | 8L | View |
| Grays Harbor | Truck Drivers | Dump Truck & Trailer | \$71.70 | 15J | 11M | 8L | View |
| Grays Harbor | Truck Drivers | Other Trucks | \$71.70 | 15J | 11M | 8L | View |
| Grays Harbor | Truck Drivers - Ready Mix | Transit Mix | \$71.70 | 15J | 11M | 8L | View |
| Grays Harbor | Well Drillers & Irrigation Pump Installers | Irrigation Pump Installer | \$15.74 | | 1 | | View |
| Grays Harbor | Well Drillers & Irrigation Pump Installers | Oiler | \$15.74 | | 1 | | View |
| Grays Harbor | Well Drillers & Irrigation Pump Installers | Well Driller | \$15.74 | | 1 | | View |

Benefit Code Key – Effective 3/3/2023 thru 8/30/2023

Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
 - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
 - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
 - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
- P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
- U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.
- W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.
- Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.
- Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
- F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
- M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
- O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
- U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.

3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
- H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
- J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

Overtime Codes Continued

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage
- C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.
- D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:

On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

- E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.
- U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- S. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, work performed in excess of (10) hours shall be paid at one and one half (1-1/2) times the hourly rate of pay. On Monday through Friday, work performed outside the normal work hours of 6:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations).

All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Multiple Shift Operations: When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. Special Shifts: The Special Shift Premium is the basic hourly rate of pay plus \$2.00 an hour. When due to conditions beyond the control of the employer or when an owner (not acting as the contractor), a government agency or the contract specifications require more than four (4) hours of a special shift can only be performed outside the normal 6am to 6pm shift then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid the special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday).

Overtime Codes Continued

4. V. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established or outside the normal shift (5 am to 6pm), and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

- X. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. Work performed outside the normal shift of 6 am to 6pm shall be paid at one and one-half the straight time rate, (except for special shifts or three shift operations). All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. Shifts may be established when considered necessary by the Employer.

The Employer may establish shifts consisting of eight (8) or ten (10) hours of work (subject to WAC 296-127-022), that shall constitute a normal forty (40) hour work week. The Employer can change from a 5-eight to a 4-ten hour schedule or back to the other. All hours of work on these shifts shall be paid for at the straight time hourly rate. Work performed in excess of eight hours (or ten hours per day (subject to WAC 296-127-022) shall be paid at one and one-half the straight time rate.

When due to conditions beyond the control of the Employer, or when contract specifications require that work can only be performed outside the regular day shift, then by mutual agreement a special shift may be worked at the straight time rate, eight (8) hours work for eight (8) hours pay. The starting time shall be arranged to fit such conditions of work.

When an employee returns to work without at a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

11. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- B After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

- C The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage. All non-overtime and non-holiday hours worked between 4:00 pm and 5:00 am, Monday through Friday, shall be paid at a premium rate of 15% over the hourly rate of wage.

Overtime Codes Continued

11. D. All hours worked on Saturdays and holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
- E. The first two (2) hours after eight (8) regular hours Monday through Friday, the first ten (10) hours on Saturday, and the first ten (10) hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, and Sundays shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
- F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one-half times the hourly rate of wage for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- G. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.
- All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of nine (9) hours or more. When an employee returns to work without at least nine (9) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the nine (9) hours rest period.
- H. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.
- All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.
- After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of ten (10) hours or more. When an employee returns to work without at least ten (10) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the ten (10) hours rest period.

Overtime Codes Continued

11. J. All hours worked on holidays shall be paid at double the hourly rate of wage.
- K. On Monday through Friday hours worked outside 4:00 am and 5:00 pm, and the first two (2) hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked over 10 hours per day Monday through Friday, and all hours worked on Saturdays, Sundays, and Holidays worked shall be paid at double the hourly rate of wage.
- L. An employee working outside 5:00 am and 5:00 pm shall receive an additional two dollar (\$2.00) per hour for all hours worked that shift. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
- M. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.
- Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 am to 6:00 pm, then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shift shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten shifts.
- On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay. All work performed after 6:00 pm Saturday to 5:00 am Monday, all work performed over twelve (12) hours, and all work performed on holidays shall be paid at double the straight time rate of pay.
- Shift Pay Premium: In an addition to any overtime already required, all hours worked between the hours of 6:00 pm and 5:00 am shall receive an additional two dollars (\$2.00) per hour.
- N. All work performed over twelve hours in a shift and all work performed on Sundays and Holidays shall be paid at double the straight time rate.
- Any time worked over eight (8) hours on Saturday shall be paid double the straight time rate, except employees assigned to work six 10-hour shifts per week shall be paid double the straight time rate for any time worked on Saturday over 10 hours.

Benefit Code Key – Effective 3/3/2023 thru 8/30/2023

Holiday Codes

- 5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).
- I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- 6. G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).

Benefit Code Key – Effective 3/3/2023 thru 8/30/2023

Holiday Codes Continued

6. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.
- X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.
- Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, Christmas Eve, and Christmas Day (9). Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday. Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Holiday Codes Continued

15. G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Note Codes

8. D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

Note Codes Continued

8. U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.
- V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.
- Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.
- Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.
- W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.
- X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, and Class D Suit: \$0.50. Special Shift Premium: Basic hourly rate plus \$2.00 per hour.
- When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)
- Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.
- Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.
- Z. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Note Codes Continued

9. A. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.

Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications require that more than four (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Certified Crane Operator Premium: Crane operators requiring certifications shall be paid \$0.50 per hour above their classification rate.

Boom Pay Premium: All cranes including tower shall be paid as follows based on boom length:

(A) – 130’ to 199’ – \$0.50 per hour over their classification rate.

(B) – 200’ to 299’ – \$0.80 per hour over their classification rate.

(C) – 300’ and over – \$1.00 per hour over their classification rate.

- B. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

- C. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

- D. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, bridges, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

- E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.

- F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

Note Codes Continued

9. H. One (1) person crew shall consist of a Party Chief. (Total Station or similar one (1) person survey system). Two (2) person survey party shall consist of a least a Party Chief and a Chain Person. Three (3) person survey party shall consist of at least a Party Chief, an Instrument Person, and a Chain Person.

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. RELATED WORK

1. Section 01 22 00: Unit Prices.
2. Section 01 23 00: Alternates.

1.3. WORK INCLUDED

Provide all labor, materials and equipment required to complete all the Work under a single, lump sum contract for Olympic Stadium Repairs and Improvements, located at 2811 Cherry Street, Hoquiam, WA 98550, as shown on the Drawings and described in the Project Manual. Items of the Work include, but are not limited to:

Bid 1 Item:

No work in this item. Testing indicated **NON-DETECTED** (see paragraph below).

Bid 2 Items:

Baseball field improvements:

1. Replace existing backstop plywood (and support framing as required) between existing dugouts and provide new backstop padding behind home plate.
2. Paint existing dugouts and paint backstop plywood between dugouts including associated trim and accessories.
3. Provide new permanent chain link fencing and modifications to existing fencing.
4. Provide new removable fencing at outfield and at left field foul territory to match existing.
5. Relocate associated existing sprinkler heads and piping as required.

Locker Room/Concessions/Restroom Buildings improvements (Buildings A and B – baseball and football):

6. Replace existing metal roofing with asphalt shingle roof assembly. Replace existing plywood roof sheathing. Existing “patio” roof assemblies on west ends of buildings are to remain.
7. Replace metal flashings at all roof penetrations.
8. Replace existing eave and rake boards.
9. Paint soffit and paint eave and rake boards.
10. Provide new gutters and downspouts.
11. Remove existing football scoreboard from roof of Building A and reinstall in same location after new roofing is complete.
12. Provide interior painting at both public restrooms.
13. Provide new toilet partitions at both public restrooms. Demolish existing partitions.
14. Demolish existing flooring, prepare concrete substrate, and provide concrete sealer at both public restrooms (Building B – football).

Bid 3 Items:

Baseball field improvements:

1. Expand existing dugout areas with new chain link fencing and concrete slabs.
2. Remove existing asphalt pavement adjacent to dugouts and replace with warning track material.
3. Relocate associated existing sprinkler heads and piping as required.

Bid 4 Items:

Locker Room/Concessions/Restroom Buildings improvements (Buildings A and B – baseball and football):

1. Provide exterior painting.
2. Paint existing “patio” roof assemblies on west ends of buildings.

Bid 5 Item:

Locker Room/Restroom/Concessions Building (Building A - baseball).

1. Provide roof structure addition at activity area on east side of building.
2. Provide concrete slab under above roof addition.
3. Provide lighting fixtures and control.

1.4. WORK NOT INCLUDED

The following items of work will be performed by others, under separate contract, and are not included in this Contract. The Contractor is responsible for storing, if requested, separate contract equipment. The Contractor is responsible for coordinating related work of the Contract with separate contract work. The Contractor shall provide all preparatory work necessary for proper installation of separate contract items including: blocking and backing, and shall provide all finish work necessary for proper installation of separate contract items including: caulking, grouting, furring and painting adjacent surfaces.

1. Moving stored Owner’s materials, unless shown otherwise.
2. All other items shown on the Drawings and/or described in the Project Manual as “NIC” (not in contract).

1.5. HAZARDOUS MATERIALS SURVEY

1. See Appendix for Good Faith Hazardous Materials Survey conducted by KD&S Environmental Inc., dated March 8, 2023.
2. **No asbestos-containing materials were detected.**

1.6. WORK PARAMETERS

1. Owner’s Operation: Contractor shall make every effort to minimize disruption to Owner’s stadium operations during the construction period.
2. Construction Access: Owner’s use of restroom buildings will be suspended during the construction period.
3. Construction Hours: Construction activity may commence at 7:00 a.m. and shall conclude at 5:30 p.m., Monday through Friday.
4. The Owner shall have the right to require alternative scheduling or sequencing of Work without penalty nor modification to Contract Time nor Contract Sum when necessary to prevent disruption of Owner’s occupancy and/or operation.
5. Smoking will not be permitted inside the stadium and restroom buildings. Smoking will not be permitted within (25) feet of any stadium entrance.
6. The Contract price shall include all expenses, fees and costs directly and indirectly associated with access and limitations to traffic routes, delivery, storage and loading areas, and include costs for traffic planning and control, after-hours and premium time and off-site storage necessary resulting from Contract requirements and restrictions.
7. Where Owner’s facilities and services, made available for the Contractor’s use, are not adequate to fulfill Contract requirements and facilitate efficient and timely execution of the Work, the Contractor shall provide supplemental facilities and services as necessary to ensure efficient and timely execution of the Work at no change in Contract amount.
8. Utility Interruptions: Service interruptions required for the Work shall be scheduled with the Owner not less than (14) days in advance of the interruption.
9. Hot Work: Such work may include, but is not limited to: concrete cutting, brazing, grinding, welding and soldering. See Fire Watch paragraph below.

10. Language Communication: In order to maintain adequate, verbal communication on the job site, if any work crews on the project are predominantly non-English speaking, at least (1) supervisor shall be fluent in English and shall be present on the job site whenever the work crew is present. This requirement shall apply to the General Contractor and all Subcontractors.
11. Employee Conduct: Employees of the General Contractor and all Subcontractors shall wear appropriate clothing at all times on the jobsite and shall refrain from inappropriate language and conduct at all times on the jobsite.

1.7. WEATHER PROTECTION

1. Provide tarps, temporary enclosures, etc., as required to maintain complete weather protection of the existing electrical service and distribution system of the structure.
2. Stormwater shall be directed away from the work area.

1.8. FIRE WATCH

Conform to NFPA 101-Life Safety Code requirements and all other applicable regulations dealing with interruption of fire protection and hot work construction activities.

1.9. TIME OF COMPLETION

1. Shall be as stipulated on the Bid Form.
2. Bidder shall fill in blank with number of calendar days necessary to achieve Substantial Completion.

2. EXISTING CONDITIONS & FACILITIES

2.1. EXISTING CONDITIONS

1. The contractor and principal subcontractors have visited and examined the project site, become familiar with the local conditions in which the Work is to be performed, and satisfied itself as to the nature, location, character, quality and quantity of the Work, labor, materials, equipment, goods, supplies, services and other items to be furnished and all other requirements of the Contract Documents, as well as the surface conditions and other matters that may be encountered at the project site or affect performance of the Work or the cost or difficulty thereof.
2. The contract documents contain reference to existing conditions, materials, furnishings, and equipment. The information is developed from existing drawings and site and building observations, and is provided for reference only. The contractor shall verify all existing conditions and dimensions.
3. It is to be assumed the existing buildings and stadium structure are not level, square, or plumb.
4. Submitting a bid shall indicate the Contractor's acceptance of the existing conditions, and willingness to provide the labor, materials and equipment necessary to complete the work intended by the contract documents.

2.2. VERIFICATION

1. The Contractor shall verify and coordinate dimensions and elevations among all Drawings prior to proceeding with any work or fabrication.
2. Any discrepancies found among the Drawings, Project Manual/Specifications and the project conditions shall be reported to the Architect, who shall correct such discrepancy in writing.
3. Any work done by the Contractor after discovery of any such discrepancy shall be done at the Contractor's risk.

2.3. MAINTENANCE OF EXISTING FACILITIES

1. It is extremely difficult to assess damages and effect repairs to the facilities damaged during construction. In cases where utility lines are broken or plugged, resulting damages can be very costly.

2. The Contractor shall provide protection for all existing improvements against damage due to the Work of this Contract.
3. The Contractor shall replace and/or repair any existing improvements damaged during construction at no cost to the Owner.

2.4. **BRACING & SHORING**

The Contractor is responsible for all bracing and shoring during construction.

2.5. **LAY DOWN AREA**

Material lay down area will be designated at the Pre-Construction Conference.

3. CODES & REGULATIONS

Comply with the latest editions of the following as amended and adopted by the State (WAC 51-50) and the local AHJ. Contractor and Subcontractors shall conform with the AHJ the current codes being enforced, including, but not limited to:

1. International Existing Building Code.
2. International Fire Code.
3. International Mechanical Code.
4. International Plumbing Code (where applicable).
5. Uniform Plumbing Code (where applicable).
6. National Electric Code.
7. State Fire Marshal Regulations.
8. State of Washington Electrical Construction Code.
9. Standard on Accessible and Usable Buildings and Facilities (ICC/ANSI 117.1 - 2017)
10. Final Rule, Department of Justice, "Non-discrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities", 28 CFR Part 36 (Implementing Title III, Americans with Disabilities Act, Public Law 101-336).
11. Washington State Energy Code (WAC 51-11C).
12. State of Washington Safety Standards for Construction Work (WAC 296-155).
13. Davis-Bacon Labor Standards – Contractor's Guide

4. DRAWINGS & PROJECT MANUAL

1. Bidding information, including Drawings and Project Manual, are available online at the following location: <http://www.harborarchitects.com/22-06>.
2. **A plan holders list is available online at the following web address:** <http://www.harborarchitects.com/22-06>. **Any plan holders not listed must contact Carrie Hubbard at Harbor Architects LLC, (360) 532-0980 or carrie@harborarchitects.com.**
3. For convenience, the Drawings and Project Manual are arranged in several trade divisions or sections, but such separation does not establish limits of work required by any Subcontractor or trade. Terms and conditions of such limitations are wholly between the Contractor and Subcontractors.
4. The Owner will furnish the Contractor, at their request, (2) sets of Drawings and Project Manuals for his/her use during the construction period. Any additional sets required by the Contractor shall be furnished, by the Architect, at the Contractor's expense, or shall be provided by the Contractor.

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. RELATED WORK

Payments and completion conditions are covered under the General Conditions and the modifications of same.

2. EXECUTION

2.1. SCHEDULE OF VALUES

1. Submit the Schedule of Values in form approved by the Architect, listing not less than one Line Item for their work and subcontracted work in each applicable Section of the Specifications, Divisions 1 through 48 inclusive. Total sum of the Schedule of Values shall equal the Contract sum.
2. Upon request of the Architect, submit further breakdown of the work in any of the Sections of the Specifications.
3. Approved Change Order sums are to be listed as separate Line Items at the end of the Schedule of Values.

2.2. APPLICATIONS FOR PAYMENT

1. Payment Application Form: Submit applications for payment using form provided by Architect.
 - a. Follow Line Items set forth in the Schedule of Values for breakdown of costs.
 - b. Contractor shall submit a signed and notarized application to the Architect via email. All items and calculations on application as well as breakdown sheets must be completed prior to submission
 - c. The signature of the Contractor certifies that to the best of the Contractor's information, knowledge and belief, the Work covered by the Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown is now due.
 - d. On all public works projects, the Contractor and all Subcontractors shall pay all workers weekly. The Contractor and all Subcontractors shall file a copy of its certified payroll records using the department of labor and industries' online system at least once per month as required by RCW 39.12.120.
2. Payment Application Times: Timing of progress payment submittals for Architect's review and Owner's processing shall be discussed at the Pre-Construction Conference.
3. Application For Payment-Initial: Administrative actions and submittals that must precede or coincide with submittal of the initial Application For Payment shall include the following:
 - a. Statement of Intent to Pay Prevailing Wages (State of WA) for each trade.
 - b. Copies of all Permits including general building permit, plumbing permit, electrical permit and any other permits issued by the jurisdiction in conjunction with the Work.
 - c. Copies of authorizations and licenses from governing authorities for performance of the Work, including but not limited to a City of Hoquiam Business License.
 - d. Revised, up to date construction schedule reflecting work completed in place.
4. Application For Payment-Monthly: Administrative actions and submittals that must precede or coincide with submittal of a monthly Application For Payment shall include a revised, up to date construction schedule reflecting work completed in place.

5. Application For Payment-Substantial Completion: Following issuance of the Certificate of Substantial Completion, the Contractor may submit an Application for Payment. Administrative actions, work items and submittals that must precede or coincide with submittal of a Substantial Completion Application For Payment shall include the following:
 - a. Certificates of Occupancy and similar approvals.
 - b. Warranties, guarantees and maintenance agreements.
 - c. Final Cleaning.
 - d. List of incomplete work (punchlist items) attached to Architect's Certificate of Substantial Completion.
6. Application For Payment-Final: Administrative actions and submittals that must precede or coincide with Final Application For Payment shall include the following:
 - a. Affidavit of Wages Paid (State of WA) for each trade.
 - b. Completion of project close-out items. See Section 01 77 00.
 - c. Completion of incomplete work list.
 - d. Affidavits of payment of taxes and fees from all governing taxing entities including Municipal, County, State and Federal. It shall also cover the filing of all necessary forms with all regulating agencies.
 - e. Removal of temporary facilities and services.

END, SECTION 01 29 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide representation and make necessary accommodations for pre-construction conference and regularly scheduled progress meetings.

1.3. RELATED WORK

1. Section 01 33 00: Submittals (Construction Schedule).

1.4. REPORTING

The Architect will arrange to provide reporting. No later than (4) days after each project meeting, the Architect will distribute copies of minutes of the meeting to each party present and to other parties as necessary.

2. MEETINGS

2.1. PRE-CONSTRUCTION CONFERENCE

1. Timing: A time mutually agreeable to the Owner, Contractor and Architect will be selected no later than (15) days after execution of the Agreement and prior to commencement of construction activities. This meeting will be held at the Project Site.
2. Attendees: The Owner, Architect and their consultants, Contractor and their superintendent and mechanical and electrical Subcontractors. Each party will be represented by persons familiar with and authorization to conclude matters relating to the Work.
3. Agenda: Discuss items of significance including topics such as:
 - a. Chain of communications.
 - b. Tentative construction schedule.
 - c. Critical work sequencing.
 - d. Designation of responsible personnel.
 - e. Status of permits.
 - f. Procedures for processing field decisions and Change Orders.
 - g. Procedures for processing Application for Payment.
 - h. Procedures for processing Submittals.
 - i. Distribution of Contract Documents.
 - j. Preparation of record documents.
 - k. Workplace Safety
 - l. Materials and equipment deliveries.
 - m. Security.
 - n. Housekeeping.

2.2. PROGRESS MEETINGS

1. Timing: A time mutually agreeable to the Owner, Contractor and Architect will be selected and held on an as needed basis. These meetings will be held at the Project Site.
2. Attendees: In addition to the Owner, Architect and their consultants, Contractor and their superintendent, each Subcontractor and supplier or other entity concerned with current progress or involved in planning, coordination or performance of future activities shall be represented by persons familiar with and authorization to conclude matters relating to the progress of the Work.
3. Construction Schedule: The Construction Schedule shall be revised monthly, as applicable. The Construction Schedule shall address all Subcontractor and Supplier activities, including start

and finish dates. Copies of the most recent Construction Schedule shall be provided to all Subcontractors and Suppliers. The Contractor shall clearly communicate to all Subcontractors and Suppliers their responsibility to adhere to their start and finish dates on the schedule. All Subcontractors and Suppliers shall inform the Contractor, in writing, when, for whatever reason, they cannot fulfill their schedule obligations. This information will be communicated by the Contractor at the progress meeting for discussion and action.

4. Agenda: Discuss items of significance that could affect progress including topics such as:
 - a. Review safety and security issues.
 - b. Review job progress in relation to the construction schedule. Determine which activities are behind or ahead of schedule. Determine how construction behind schedule will be expedited.
 - c. Status of submittals.
 - d. Requests for Information (RFI).
 - e. Changes in the work.
 - f. Work quality.
 - g. Review and approve payment request applications.
 - h. Document and track emergent issues requiring attention.

2.3. PROJECT CLOSEOUT CONFERENCE

1. Timing: A time mutually agreeable to the Owner, Contractor and Architect will be selected no later than (7) days after distribution of the “punch list”. This meeting will be held at the Project Site.
2. Attendees: The Owner, Architect and their consultants, Contractor and their superintendent and mechanical and electrical Subcontractors. Each party will be represented by persons familiar with and authorization to conclude matters relating to the Work.
3. Agenda: Discuss items of significance including topics as:
 - a. Review remaining items of work on the “punch list” to be completed.
 - b. Review remaining submittals required before final payment.
 - c. Develop time schedule that addresses completion of all remaining items of work and completion of all remaining submittals. The Contractor shall clearly communicate to all Subcontractors and Suppliers their responsibility to adhere to the above final completion schedule.

2.4. MINUTES

1. The Architect will compile minutes (unless otherwise arranged/agreed) of each conference and will distribute copies to all parties.
2. The minutes compiled by the Architect will be the official record and all clarifications and/or corrections shall be transmitted, in writing, to the Architect within (4) days of the date of receipt.
3. At least (1) bound volume of all conference minutes shall be maintained by the Contractor in the job office until project completion.

END, SECTION 01 31 19

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Make all submittals required by the Contract Documents, and revise and resubmit as necessary to establish compliance with the specified requirements.

1.3. RELATED WORK

1. Section 01 31 19: Project Meetings
2. Section 01 77 00: Contract Closeout
3. Specific submittals are specified under pertinent other Sections.

1.4. PROCESSING SUBMITTALS

1. General: Date and mark submittals to show the names of the Project, Architect, Contractor, originating Subcontractor, manufacturer or supplier, and separate dealer if pertinent. Identify Specification Section and locations at which materials or equipment are to be installed. Each submittal shall be accompanied by the cover sheet supplied by the Architect. **Contractor shall review, amend and approve all submittals prior to their submission to the Architect; submittals not so approved and signed will be returned to the Contractor without any review by the Architect until they are properly processed by the Contractor.** Contractor shall transmit submittals to Architect via email. Architect will transmit processed submittals back to Contractor via email. Contractor is responsible for obtaining and distributing required copies of submittals to his Subcontractors and material suppliers after, as well as before, final approval. **Because a significant amount of clarity is lost via transmission, facsimile copies will not be accepted for processing.** Emailed submittals shall be contained in one complete pdf document. Submittals consisting of multiple pdf documents will be returned to the Contractor without any review by the Architect until they are properly compiled.
2. Samples: When required, furnish current and complete sets for color selection. Where samples must show a custom color, texture, graining or finish, furnish two samples of sufficient size to indicate general visual effect. If a color, texture, graining or finish range is indicated, furnish three sets of pairs illustrating the full scope of this range.
3. Shop Drawings: When required, shop drawings shall clearly indicate the correct configurations and relative sizes, materials, metal gauges, etc. of the various components and the proposed methods of fabrication, required clearances, supports and any other pertinent data. All items shown on shop drawings that do not conform to Drawings and Specifications shall be specifically noted as such (flagged) and brought to the Architect's attention. If this is not done, the Architect's approval shall not include this unauthorized change in the Contract Documents.
4. Manufacturer's Data: When required, submit manufacturer's descriptive data including catalog sheets for materials, equipment and fixtures, showing dimensions, performance characteristics and capacities, wiring diagrams and controls, schedules, and other pertinent information as required. Where printed materials describe more than one product or model, clearly identify which is to be furnished.
5. Submittal Checklist: See Initial Project Submittals checklist included in this Project Manual. Contractor shall maintain this checklist throughout the initial process and transmit the checklist in each section as one submittal.

2. SUBMITTALS

2.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

2.2. SUBMITTALS; WITHIN SEVEN DAYS OF CONTRACT AWARD

1. List of Subcontractors with U.B.I. Number for each.
2. Certification Regarding Responsibility Matters.
3. Certification of Compliance with Wage Payment Statutes.
4. Non-Collusion Affidavit.

2.3. SUBMITTALS; PRIOR TO NOTICE TO PROCEED

1. Agreement.
2. Performance and Labor & Material Payment Bonds.
3. Certificate of Contractor's Liability Insurance.
4. Certificate of Contractor's Property Insurance (if required by Contract Documents).

2.4. SUBMITTALS; PRIOR TO STARTING WORK

1. Schedule of Values.
2. Construction Schedule.
3. Statements of Intent to Pay Prevailing Wages (WA State form: F700-029-000).
4. Letter of Certification that federal wage determination "General Decision Number: WA20230027, dated 02/03/2023 has been properly addressed.

2.5. SUBMITTALS; DURING WORK

| <u>Section or Division No.</u> | <u>Item</u> |
|--------------------------------|---|
| 05 50 00 | Metal Fabrications shop drawings |
| 07 31 13 | Asphalt Shingles Color samples, mfrs. data |
| 07 60 00 | Flashing & Sheet Metal shop drawing |
| 07 92 00 | Joint Sealants mfrs. data |
| 09 90 00 | Painting & Coating color samples, materials list |
| 10 21 13 | Toilet Partitions & Urinal Screens color samples, mfrs. data |
| 26 00 00 | Electrical General Provisions shop drawing, mfrs. data |
| 26 50 00 | Lighting shop drawing, mfrs. data |

2.6. SUBMITTALS; PRIOR TO FINAL PAYMENT

Covered under Section 01 77 00.

END, SECTION 01 33 00

INITIAL PROJECT SUBMITTALS

Date: Month, Day, Year

Project No: 22-06

Contractor
address
city-state-zip

Project Name: Olympic Stadium Repairs &
Improvements – Phase 3
CITY OF HOQUIAM

The following items must be completed within (7) days of contract award. Contractor shall maintain this checklist throughout the initial process and transmit the checklist and all items in this section as one submittal. See Section 01 33 00 of the project manual for full submittal requirements.

| Date Submitted | Item | Contractor/Sub/Trade | Received By HA |
|----------------|--|----------------------|----------------|
| | List of Subcontractors with U.B.I. Number for each. | | |
| | Certification Regarding Responsibility Matters | | |
| | Certification of Compliance with Wage Payment Statutes | | |
| | Non-Collusion Affidavit | | |

The following items must be completed prior to Notice to Proceed. Contractor shall maintain this checklist throughout the initial process and transmit the checklist and all items in this section as one submittal. See Section 01 33 00 of the project manual for full submittal requirements.

| Date Submitted | Item | Contractor/Sub/Trade | Received By HA |
|----------------|---|----------------------|----------------|
| | Agreement | | |
| | Performance and Labor & Material Payment Bonds | | |
| | Certificate of Contractor's Liability Insurance | | |
| | Certificate of Contractor's Property Insurance | | |

The following items must be completed prior to starting work. Contractor shall maintain this checklist throughout the initial process and transmit the checklist and all items in this section as one submittal. See Section 01 33 00 of the project manual for full submittal requirements.

| Date Submitted | Item | Contractor/Sub/Trade | Received By HA |
|----------------|---|----------------------|----------------|
| | Schedule of Values | | |
| | Construction Schedule | | |
| | Statements of Intent to Pay Prevailing Wages (WA State form: F700-029-000). | | |



Olympic Stadium Repairs & Improvements - Phase 3
City of Hoquiam
 Hoquiam, Washington
 22-06

Contractor Representative
 Street Address
 City, State, Zip
 (555) 555-5555

| No. | Spec Section | Item | Subcontractor/Supplier | Date Submitted |
|-----|--------------|------|------------------------|----------------|
| | | | | |

| | |
|---------------------|--------------------|
| Contractor Comments | Architect Comments |
|---------------------|--------------------|

| | |
|---|--|
| Contractor <input type="checkbox"/> Approved <input type="checkbox"/> Approved as Noted | Architect/Engineer <input type="checkbox"/> No Exceptions Taken <input type="checkbox"/> Review Comments <input type="checkbox"/> Submit Specific Item <input type="checkbox"/> Revise and Resubmit <input type="checkbox"/> Rejected as noted above |
|---|--|

By providing this submittal, the contractor certifies he/she has performed a detailed review of the submittal. Contractor is responsible for: verifying quantities, confirming proper materials, correlating and confirming dimensions at the job site, choice of fabrication processes and techniques of construction, coordination of his/her work with that of other trades, and performing the work in a safe and satisfactory manner.

Review is only for general conformance with the design concept of the project and general compliance with the information included in the Contract Documents. Any action shown is subject to the requirements of the drawings and specifications.

The contractor shall review and confirm the above comments and actions prior to furnishing the processed submittal to subcontractors/suppliers.

| | | | |
|-------------|------|-------------|------|
| Approved By | Date | Reviewed By | Date |
|-------------|------|-------------|------|

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement and Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. ABBREVIATIONS

1. For purpose of abbreviation, the words "install" and/or "erect" and/or "connect" and/or "apply in accordance with the manufacturer's written recommendations" shall not, in all cases, be repeated hereinafter in these Specifications. However, in all cases, each and every item, material and/or equipment shall be installed and/or erected and/or connected and/or applied strictly in accordance with the manufacturer's written recommendations. Additional abbreviations may be described on Drawings.

| | | | |
|---------|--|--------|--|
| 2. A/C | air conditioning | BC | bottom of curb |
| AB | anchor bolt | BD | board |
| ABV | above | BHMA | Builders Hardware Manufacturers Association |
| AC | asphaltic concrete | BITUM | bituminous |
| ACI | American Concrete Institute | BL | building line |
| ACOUST | acoustical | BLDG | building |
| ACT | acoustical ceiling tile | BLK | block |
| AD | area drain | BLKG | blocking |
| ADA | Americans with Disabilities Act | BM | beam/bench mark |
| ADD | additive/addendum | BRG | bearing |
| ADJ | adjustable/adjacent | BRK | brick |
| AFF | above finished floor | BSMT | basement |
| AHJ | agency having jurisdiction | BTM | bottom |
| AHU | air-handling unit | BTW | between |
| AISC | American Institute of Steel Construction | BUR | built-up roof |
| AITC | American Institute of Timber Construction | C | celsius/centigrade |
| AL | aluminum | CAB | cabinet |
| ALT | alternate/alteration | CAP | capacity |
| AMP | amperes | CARP | carpet |
| ANOD | anodized | CB | catch basin |
| ANSI | American National Standards Institute | CEIL | ceiling |
| APA | American Plywood Association | CEM | cement |
| APPROX. | approximate(ly) | CEM PL | cement plaster |
| APWA | American Public Works Association | CER | ceramic |
| ARCH | architect/architectural | CFM | cubic feet per minute |
| ASPH | asphalt | CI | cast iron |
| ASTM | American Society for Testing & Materials | CIP | cast in place |
| AVG | average | CJ | control joint |
| AWI | American Woodwork Institute | CLF | chain link fence |
| AWPB | American Wood Preservers Bureau | CLG | ceiling |
| AWS | American Welding Society | CLKG | caulking |

| | | | |
|-------|---|-------|--|
| CLR | clear | ELEV | elevation/elevator |
| CLT | cross laminated timber | EMERG | emergency |
| CMU | concrete masonry units | ENAM | enamel |
| CO | clean out | ENCL | enlosure/enclosed |
| COL | column | ENTR | entrance |
| COMP | composite/composition | EPX | epoxy |
| CONC | concrete | EQ | equal/earthquake |
| COND | condition | EQJ | earthquake joint |
| CONN | connect/connection | EQUIP | equipment |
| CONST | construction | EXC | excavate/excavation |
| CONT | continuous | EXIST | existing |
| CONTR | Contractor | EXP | expansion |
| COORD | coordinate | EXT | exerior |
| CR | cold rolled | F | fahrenheit |
| CS | Commercial Standard of U.S. Department of Commerce | FA | fire alarm |
| CT | ceramic tile | FAB | fabricate |
| CTR | center | FB | Flat Bar |
| CTSK | countersunk | FD | Floor Drain |
| CU | cubic | FDC | Fire Department connection |
| CW | cold water | FDN | foundation |
| CY | cubic yard | FE | fire extinguisher |
| d | penny nails | FEC | fire extinguisher cab |
| D | dryer | FF | factory finish |
| db | decibel | FG | float glass |
| DBL | double | FH | flathead |
| DCVA | double check valve assembly | FHMS | flathead machine screw |
| DECID | deciduous | FHWS | flathead wood screw |
| DEPT | department | FIN | finish(ed) |
| DET | detail | FL | floor |
| DF | drinking fountain (w/o cooler) | FLASH | flashing |
| DIA | diameter | FLOUR | flourescent |
| DIAG | diagonal | FM | Factory Mutual Research Corporation |
| DIFF | diffuser | FOB | face of brick |
| DIM | dimension | FOC | face of concrete |
| DISP | disposal/dispenser | FOF | face of finish |
| DL | dead load | FOIC | furnished by owner, installed by contractor |
| DN | down | FOM | face of masonry |
| DR | door/drain | FOS | face of studs |
| DS | downspout | FP | fireproof(ing) |
| DTL | detail | FPWH | freeze proof wall hydrant |
| DW | dishwasher | FR | freezer/fire retardant |
| DWG | drawing | FS | full size/floor sink |
| DWR | drawer | FT | foot or feet |
| E | east | FTG | footing |
| EA | each | FURN | furnish |
| EB | expansion bolt | FURR | furring |
| EJ | expansion joint | FUT | future |
| EL | elevation | G | Gas |
| ELECT | electrical | GA | gauge |

| | | | |
|-------|--|-------|---|
| GALV | Galvanized | IRC | International Residential Code |
| GB | grab bar | JAN | janitor |
| GC | general contractor | JST | joist |
| GD | garbage disposal | JT | joint |
| GFI | ground fault interruptor | KD | kiln-dried |
| GFRC | glass fiber reinforced concrete | KIP | 1000 pounds |
| GFRG | glass fiber reinforced gypsum | KIT | kitchen |
| GFRP | glass fiber reinforced plaster | KO | knock out |
| GL | glass/glazing/glazed | KP | kick plate |
| GLAM | glue-laminated wood | L | left/length |
| GND | ground | LAB | laboratory |
| GWB | gypsum wallboard | LAM | laminated |
| GYP | gypsum | LAV | lavatory |
| H | high | LB | pound |
| HB | hose bib | LH | left hand |
| HC | hollow core | LHR | left-hand reverse |
| HCT | hollow clay tile | LKR | locker |
| HCW | hollow core wood | LL | live load |
| HDBD | hardboard | LT | light |
| HDNR | hardener | LTWT | lightweight |
| HDR | header | MACH | machine |
| HDWD | hardwood | MAINT | maintenance/maintain |
| HDWE | hardware | MASY | masonry |
| HM | hollow metal | MATL | material |
| HORIZ | horizontal | MAX | maximum |
| HP | horsepower/heat pump | MB | machine bolt/marker board |
| HR | hour/handrail | MC | medicine cabinet |
| HT | height | MDF | medium-density fiberboard |
| HTG | heating | MDO | medium-density overlay |
| HVAC | heating, ventilating & air conditioning | MECH | mechanical |
| HW | hot water | MEMB | membrane |
| HWR | hot water return | MEZZ | mezzanine |
| IAPMO | International Association of Plumbing & Mechanical Officials | MFR | manufacturer |
| IBC | International Building Code | MG | mixed grain |
| ICC | International Code Council | MH | manhole |
| ID | inside diameter | MIN | minimum |
| IE | invert elevation | MISC | miscellaneous |
| IFC | International Fire Code | MO | masonry opening |
| IG | insulating glass | MOD | module/modify |
| IMC | International Mechanical Code | MS | machine screw |
| IN | inches | MTD | mounted |
| INFO | information | MTL | metal |
| INSP | inspection | MUL | mullion |
| INST | install/installation | N | north |
| INSUL | insulation | NBFU | National Bureau of Fire Underwriters |
| INT | interior | NEC | National Electrical Code |
| IPC | International Plumbing Code | NEMA | National Electrical Manufacturers Association |

| | | | |
|--------|---|--------|---|
| NFPA | National Fire Protection Association | REF | reference |
| NIC | not in contract | REINF | reinforced/reinforcing |
| NO./# | number | REQD | required |
| NOM | nominal | RES | resilient |
| NTW | not to scale | RET | retaining/return |
| NWMA | National Woodwork Manufacturers Association | REV | revision |
| OA | overall | RH | right hand |
| OC | on center | RM | room |
| OD | outside diameter | RO | rough opening |
| OFF | office | ROW | right of way |
| OHWS | oval head wood screw | RP | radius point |
| ON | oval head/ over-height | RPBD | reduced pressure backflow preventer device |
| OPNG | opening | RS | rough sawn |
| OPP | opposite | RWL | rainwater leader |
| OSB | oriented strand board | S | south |
| OZ | ounce | S STL | stainless steel |
| pbd | pegboard | S&R | shelf and rod |
| PBD | particleboard | S&V | stain and varnish |
| PC | precast | SAN | sanitary |
| PERF | perforated | SC | solid core |
| PERP | perpendicular | SCHED | schedule |
| PH | phase | SCR | shower curtain rod |
| PL | plate | SCW | solid core wood |
| PLAM | plastic laminate | SDI | Steel Door Institute |
| PLAS | plaster | SEC | second |
| PLWD | plywood | SECT | section |
| PNL | panel | SF | square feet |
| PNT | paint/point | SHM | similar |
| POL | polish | SHR | shower |
| PP | push plate | SHT | sheet |
| PR | pair | SHTG | sheathing |
| PREFAB | prefabricate | SHV | sheet vinyl |
| PSF | pounds per square foot | SLR | sealer |
| PSI | pounds per square inch | SMACNA | Sheet Metal and Air Conditioning Contractors National Association, Inc. |
| PT | pressure treated | SMS | sheet-metal screws |
| PTN | partition | SPEC | specification |
| PVC | polyvinyl chloride | SQ | square |
| PVMT | pavement | SS | service sink |
| QT | quarry tile | ST | stone |
| QTR | quarter | STA | station |
| R | radius | STC | sound-transmission class |
| RA | return air | STD | standard |
| RB | rubber base | STL | steel |
| RD | roof drain | STOR | storage |
| REBAR | reinforcing bar | STRUCT | structure/structural |
| RECEPT | receptacle | SUBFL | subfloor |
| RECT | rectangular | SURF | surface |

| | | | |
|-------|--|------|--------------------------------------|
| SUSP | suspended | WF | wide flange |
| SYM | symmetrical | WH | water heater |
| T&B | top and bottom | WP | work point/waterproof |
| T&G | tongue and groove | WS | weatherstripping |
| TB | towel bar/tack board | WT | weight |
| TBB | tile backer board | WWM | welded wire mesh |
| TC | top of curb/top of concrete | WWPA | Western Wood Products Association |
| TEL | telephone | YD | yard/yard drain |
| TEMP | tempered/temporary/temperature | | |
| TER | terazzo | | |
| TF | top of footing | | |
| THK | thick/thickness | | |
| THR | threshold | | |
| TN | toenail | | |
| TOD | top of deck | | |
| TOIL | toilet | | |
| TOL | tolerance | | |
| TOP | top of pavement | | |
| TOS | top of steel | | |
| TOW | top of wall | | |
| TV | television | | |
| TYP | typical | | |
| UC | under counter/undercut | | |
| UL | Underwriters Laboratories, Inc. | | |
| UNFIN | unfinished | | |
| UNO | unless noted otherwise | | |
| UR | urinal | | |
| UT | utility | | |
| UV | unit ventilator/ultraviolet | | |
| V | volt | | |
| VAR | variable/varnish/varies | | |
| VCT | vinyl composition tile | | |
| VERT | vertical | | |
| VEST | vestibule | | |
| VG | vertical grain | | |
| VOL | volume | | |
| VP | vener plaster | | |
| VT | vinyl tile | | |
| VWC | vinyl wall covering | | |
| W | west/water/clothes washer/watt | | |
| W/ | with | | |
| W/O | without | | |
| WAIN | wainscot | | |
| WC | water closet | | |
| WCLIB | West Coast Lumber Inspection Bureau | | |
| WD | wood | | |
| WDW | window | | |

3. Reference herein to specifications issued by the above-named or other organizations names in the Specifications shall mean the edition of said Standard Specifications current at the time of opening Bids for work under this Contract, unless otherwise noted.
4. Division 00 00 00 and any modifications to same, or Division 01 00 00 of the Project Manual shall void any of the general, but not technical provisions of any of the referenced Standard Specifications in conflict therewith.

1.3. **DEFINITIONS**

The following definitions, of terms or words used in this Project Manual, are in addition to those in the General Conditions.

1. The term "product" includes materials, systems and equipment.
2. The term "Project Manual" is the volume which includes: The Bidding & Contract Requirements and the Specifications, Sections 00 00 00 through 48 00 00, inclusive, as applicable, and as listed in the Table of Contents bound herein.
3. The term "Architect" shall mean: Harbor Architects LLC, 345 W Wishkah Street, Aberdeen, WA 98520.
4. The term "Owner" shall mean: City of Hoquiam acting by and through its City Council.
5. RCO shall mean: WA State Recreation and Conservation Office.
6. "As directed" means: as directed by the Architect.
7. Where the words "or approved" or "as approved" or "for approval" are used, the Architect is the sole judge of the quality and suitability of the proposed substitution.
8. The word "furnish" shall mean: purchase, pay for, receive and/or store the material, item or equipment at the site ready for installation or erection, unless otherwise specifically noted.
9. The word "install" shall mean: pay for, and do all work necessary for installing and/or erecting and/or connecting the item or material complete in place, unless otherwise specifically noted.
10. The word "provide" shall mean: furnish and install and pay for, complete in place.
11. Where the words "similar to" are used and followed by a manufacturer's name and product, model, or type number, such manufacturer, product, model or type number shall be considered as the standard of quality for the item or material or work specified, in a general and technical sense, not meaning "identical".
12. Wherever in these documents an article, device or piece of equipment is referred to in the singular number, such reference shall mean: to include as many such articles as are shown on the Drawings or are required to complete the installation.

END, SECTION 01 42 13

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

1. Provide temporary construction, devices, equipment, power and convenience utilities for use, convenience and safety of personnel engaged in the Work of the Contract.
2. Unless otherwise noted, the temporary facilities described herein shall be provided by the Contractor.

1.3. JOB CONDITIONS

1. Make all required connections to existing utility systems with minimum disruption to services in the existing utility systems.
2. When disruption of the existing service is required, do not proceed without the Architect's approval and, when required, provide alternate temporary service if needed by Owner.

2. TEMPORARY FACILITIES

2.1. UTILITIES

1. Telephone: Provide cell phone on site at all times.
2. Electricity: Owner will provide. Contractor shall provide all required extension cords, lighting outlets, power outlets (ground fault interrupter type), lamps and other required equipment for construction purposes. Comply with all applicable NEMA, NEC & UL standards.
3. Water-Drinking: Provide bottled water.
4. Water-Construction: Owner will provide.

2.2. STRUCTURES

1. Toilets: Provide portable chemical toilet on premises for use by all those associated with the Work.
2. Fences & Barricades: Provide and maintain during the course of the Work in accordance with the requirements of the General Conditions and State Safety Regulations to guard against injury and damage to workers, third persons and property of others due to work on this Project.

2.3. SAFETY MEASURES

1. Comply with "Safety Standards for Construction Work" (WAC 296-155), and "General Safety and Health Standards, Operating Near Electric Power Lines" (WAC 296-24-24019), latest edition.
2. Contractor shall develop written fall protection plan, as required by above standard, for this particular project and maintain (1) copy on the jobsite. Obtain any necessary approvals from Department of Labor & Industries, Division of Industrial Safety & Health.
3. Contractor shall train and instruct all personnel in all items contained in fall protection plan and operation near electric power lines and shall keep a record of employee training and maintain it on the jobsite.

2.4. DUST CONTROL

1. Site Air Quality: Air quality impacts from fugitive dust emissions will be controlled through best management practices, such as wetting demolition debris, wetting roadways and dust covers on vehicles hauling materials to and/or from the Project Site.
2. Building Interior: Use best management practices and common sense to limit dust contamination for worker safety.

2.5. ENVIRONMENTAL PROTECTION

1. Water Quality Mitigation: Best management practices elements of Low Impact Stormwater Development shall be incorporated in the final site design to mitigate potential stormwater, drainage and water quality impacts for the Project Site. It is anticipated that there will be minimal impact from this Project on stormwater matters.
1. Erect silt fences and protect catch basins as required to minimize impact from erosion and sedimentation.
2. Noise Mitigation: Restrict use of noise making tools and equipment to hours between 7:00 a.m. and 5:30 p.m., Monday through Friday. All work activities will conform to local noise ordinances. The primary noise sources will be construction equipment, such as vehicle engines and compressors. Noise abatement controls such as careful staging of noise intensive construction activities during daylight hours and the use of less noise intensive construction practices will be instituted to minimize potential adverse effects.

3. EXECUTION

3.1. MAINTENANCE & REMOVAL

1. Maintain all temporary facilities as long as needed for the safe and proper completion of the Work.
2. Remove all such temporary facilities as rapidly as progress of the Work will permit, or as directed.

3.2. CLEANING UP

1. The Contractor and each Subcontractor shall, at all times, keep the premises free from accumulation of waste materials or rubbish caused by the Work.
2. Remove all trash and debris from the site and dispose at Contractor's expense.
3. Remove spilled trash and debris from streets, driveways and parking areas in time to prevent such materials from affecting traffic or clogging drainage systems (clean any drains thusly contaminated).

END, SECTION 01 50 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

1. This Section establishes general requirements pertaining to cutting into nominally completed and/or existing work and subsequent fitting and patching required to restore existing surfaces to their original condition.
2. Work Required: Do all cutting (including excavating), fitting and patching of the Work as required to:
 - a. Install specified work in existing construction.
 - b. Make the Work and its several systems, elements and parts fit and interface properly together.
 - c. Uncover work to provide for installation of improperly timed work.
 - d. Remove and replace defective work or work not conforming to the requirements of the Contract Documents.
 - e. Uncover work to provide for Architect's, Special Inspector's and/or Building Inspector's observations of work covered prior to inspection and/or approval.

1.3. RELATED WORK

1. Section 02 41 19: Selective Demolition.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. STRUCTURAL REQUIREMENTS

1. Do not cut and patch structural work in a manner that would result in a reduction of load-carrying capacity or stiffness.
2. Do not cut and patch existing structural systems until adequate, temporary bracing and shoring have been installed or until completion of load-carrying or bracing elements of new construction.

1.6. OPERATIONAL & SAFETY REQUIREMENTS

Do not cut and patch operational elements or safety related components in a manner that would result in a reduction of their capacity to perform in the manner intended, or that would result in increased maintenance, or decreased operational life or decreased safety.

1.7. VISUAL REQUIREMENTS

1. Do not cut and patch work, either new or existing, in a manner that would result in substantial visual evidence of cut and patch work.
2. Remove and replace work judged by the Architect to be cut and patched in a visually unsatisfactory manner.

2. PRODUCTS

2.1. MATERIALS

1. For replacement of items removed, use materials complying with pertinent Section of these Specifications.
2. Except as otherwise indicated, or as directed by the Architect, use materials for cutting and patching that are identical to existing materials.
3. If identical materials are not available, or cannot be used, use materials that match existing adjacent surfaces to the fullest extent possible with regard to visual effect and structural integrity.
4. Use materials for cutting and patching that will result in equal-or-better performance characteristics.

3. EXECUTION

3.1. SURFACE CONDITIONS

1. Inspection: Inspect existing conditions, including elements subject to movement or damage during cutting, excavating, patching and backfilling. After uncovering of the Work, inspect conditions affecting installation of new work.
2. Discrepancies: If uncovered conditions are not as anticipated, immediately notify the Architect and secure needed directions. Do not proceed until unsatisfactory conditions are corrected.

3.2. PREPARATION

1. Provide shoring, bracing and support as required to maintain structural integrity of existing buildings and all structural elements affected by cutting and patching operations.
2. Protect other work during cutting and patching to prevent damage.
3. Provide protection from adverse weather conditions for that part of the Work that may be exposed during cutting and patching operations.
4. Avoid interference with use of adjoining areas or interruption of free passage to adjoining areas.

3.3. PERFORMANCE

1. General: Except as otherwise indicated or as approved by the Architect, proceed with cutting and patching at the earliest feasible time and complete work without delay. Execute fitting and adjustment of materials and products to provide a finished installation in compliance with the specified products, functions, tolerances and finishes.
2. Cutting: Cut the work using methods that are least likely to damage work to be retained or adjoining work. In general, where cutting is required, use hand or small power tools designed for sawing or grinding, not hammering and chopping. Cut through concrete and metals using a cutting machine such as a carborundum saw or core drill to insure neat holes. Cut holes and slots neatly to size required with minimum disturbance of adjacent work. To avoid marring existing finished surfaces, cut or drill from the exposed or finished side into concealed surfaces. Temporarily cover openings when not in use. By-pass utility services such as pipe and conduit, before cutting, where such utility services are shown or required to be removed, relocated or abandoned. Cut off conduit and pipe in walls or partitions to be removed. After by-pass and cutting, cap, valve or plug and seal tight remaining portion of pipe and conduit to prevent entrance of moisture or other foreign matter.
3. Patching: Patch with seams which are durable and as invisible as possible. Comply with specified tolerances for the Work. Restore exposed finishes of patched areas and where necessary extend finish restoration into retained adjoining work in a manner which will eliminate evidence of patching and refinishing. Where removal of walls or partitions extends one area into another, patch and repair floor, wall and ceiling surfaces at the interstitial junction to provide an even surface of uniform color and appearance. Where patch occurs in a smooth painted surface, extend final paint coat over entire unbroken surface continuing patch, after patched area has received prime and base coat.

4. Cleaning: Thoroughly clean areas and spaces where work is performed or used as access to the Work. Remove completely paint, concrete splatters and items of similar nature. Thoroughly clean surfaces before painting or other finishing is applied.

END, SECTION 01 73 29

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to the Bidding and Contract Requirements and Division 1.

1.2. RELATED WORK

1. Submittals required before the Work starts and during progress of the Work are covered under Section 01 33 00.
2. Cleaning up during the progress of the Work is covered under Section 01 50 00.

1.3. RECORD DRAWINGS

1. General: Do not use record drawings for construction purposes. Protect from deterioration and loss in secure, fire-resistive location. Provide access to record drawings for the Architect's reference during normal working hours.
2. Maintain a clean, undamaged set of black line prints of Contract Drawings and Shop Drawings. Mark the set(s) to show the actual installation where the installation varies from the Work as originally shown. Mark whichever drawing is most capable of showing conditions fully and accurately. Where Shop Drawings are used, record a cross-reference at the corresponding location on the Contract Drawings. Give particular attention to concealed elements that would be difficult to measure and record later.
3. Mark record sets with red, erasable pencil. Mark new information that is important to the Owner, but was not shown on Contract Drawings or Shop Drawings. Attach Change Order sketches, etc. to record set and note related Change Order numbers.
4. Format: Provide electronic files in one pdf document copied on (2) flash drives. Record drawings shall be indexed with bookmarks for each trade.

1.4. OPERATION & MAINTENANCE MANUALS

1. General: Provide the following information as appropriate:
 - a. complete subcontractor's list including all subcontractors – name, address, telephone number, email address and representative name.
 - b. For each section listed in paragraph 3 below, include the following:
 - i. supplier's name, address, and telephone number
 - ii. installer's name, address, and telephone number
 - iii. manufacturer's model and number
 - iv. exploded parts list
 - v. copies of warranties
 - vi. cleaning and maintenance instructions
 - vii. wiring diagrams
 - viii. inspection procedures
 - ix. Shop Drawings and product data and other information as appropriate.
 - c. Review manuals provided by subcontractors for compliance with this section.
2. Format: Provide electronic files in a single pdf document copied on (2) flash drives. O&M Manual shall be indexed with bookmarks for each section listed in paragraph 3 below.
3. At a minimum, include above information for all items identified below:

Section or Division No.

| | |
|----------|------------------------------------|
| 07 31 13 | Asphalt Shingles |
| 09 90 00 | Painting & Coating |
| 10 14 00 | Identifying Devices |
| 10 21 13 | Toilet Partitions & Urinal Screens |
| 10 44 13 | Fire Extinguishers & Cabinets |
| 26 50 00 | Lighting |

2. REQUIREMENTS BEFORE FINAL PAYMENT

2.1. CLEANING UP

Immediately before final acceptance of the Project, the Contractor is to perform the following tasks in all rooms and building areas affected by the Work:

1. Wash mirrors.
2. Vacuum clean all floors.
3. Clean and hand dust shelving.
4. Drag all gravelled and asphalt pavement areas with a magnet to pick up any stray nails and other metal debris.

2.2. CLOSE OUT PROCEDURE

1. When the Contractor considers the Work to be substantially complete, the Contractor shall prepare and submit to the Architect a comprehensive list of items that remain to be completed or corrected and request a “punch list” observation from the Architect. Based on this list provided by the Contractor, the Architect will confirm or deny that the project is substantially complete as defined by the Project Manual.
2. When the Work is substantially complete, as determined by the Architect, the Architect will prepare a Certificate of Substantial Completion. The “punch list” observation list shall be attached to the Certificate and the Contractor shall establish the time needed to finish all items on the list.
3. The Contractor shall inform the Architect, in writing, when the “punch list” items have been completed. The Architect will confirm completion of the “punch list” items.
4. If it is necessary for the Architect to make multiple site visits to confirm completion of “punch list” items, the Architect may invoice the Contractor for time spent beyond the initial site visit.

2.3. SUBMITTALS; BEFORE FINAL PAYMENT

1. Contractor shall maintain the closeout submittals checklist throughout the closeout process and transmit the checklist and all items as one submittal.
2. An affidavit attesting payment of all payrolls, bills for materials and other indebtedness.
3. Releases and waivers of liens from Contractor, Subcontractors and material suppliers, in form approved by the Owner.
4. Letter of Consent of Surety to final payment.
5. Affidavits of Wages Paid.
6. Equipment and Work guarantees (longer than one year). Complete all required warranty registration forms that are required for all manufactures. It is the General Contractor's responsibility to compile a warranty registration list for all of the Work. Obtain necessary signatures that may be required for warranty registration.
7. Operations and Maintenance Manuals, as one complete submittal, as described in paragraph 1.4, to include the following:
 - a. Architectural Work equipment maintenance and operation instruction manuals, complete, in final form.
 - b. Mechanical Work equipment maintenance and operating instruction manuals, complete, in final form.
 - c. Electrical Work equipment maintenance and operating instruction manuals, complete, in final form.
8. Marked-up record drawings, as one complete submittal, as described in paragraph 1.3, to include the following:
 - a. Architectural Work marked-up record drawings, complete.
 - b. Mechanical Work marked-up record drawings, complete.
 - c. Electrical Work marked-up record drawings, complete.
9. Electrical inspector's certificate of acceptance of the Work.
10. Asbestos-Free Certificate. Verify that all materials installed on project are asbestos-free. See form bound in Project Manual.

11. List of extra materials, as required by specifications sections and storage location.
12. Complete list of all painting materials and colors used including manufacturer and color code identification number and/or formula.
13. Provide written confirmation of all final inspection approvals for all permits issued (building, mechanical, plumbing, electrical, etc.) by agency having jurisdiction.

END, SECTION 01 77 00

Asbestos-Free Materials Certification

Project: **Olympic Stadium Repairs & Improvements – Phase 3, City of Hoquiam**

Date: _____

I _____, as the authorized representative for _____, certify that all materials installed and used by the undersigned pursuant to this project are free (contain less than 1%) of any laboratory detectable amounts of asbestos containing material using the method specified in Appendix E, Subpart E of 40 CFR Part 763 Section 1, polarized light microscopy. Materials are described as asbestos-free as represented by the Manufacturer's "Material Safety Data Sheet" (MSDS). This certification includes all materials installed and used by the contractor, all subcontractors and all other contractors performing work on this project for work completed as described below:

Description of Project: _____

Contractor/Vendor Name: _____

Representative Name: _____ Title: _____

Address: _____

Phone: _____ Fax: _____ Email: _____

License No: _____ UBI No: _____

Signature: _____

Subscribed and sworn to me this _____ day of _____, 20 _____

Notary Public: _____

My Commission Expires: _____

PROJECT CLOSEOUT - SUBMITTALS

Date:

Project No: 22-06

Contractor
address
city-state-zip

Project Name: Olympic Stadium Repairs & Improvements – Phase 3
CITY OF HOQUIAM

The following items must be completed prior to final payment. Contractor shall maintain this checklist throughout the closeout process and transmit the checklist and all items as one submittal. See Section 01 77 00 of the project manual for full closeout requirements. Submittal of documents and checklist certifies that contractor has performed a detailed review of all materials to ensure that they comply with Section 01 77 00.

| Date Submitted | Item | Contractor/Sub/Trade | Received By HA |
|----------------|---|----------------------|----------------|
| | Affidavits of Wages Paid (WA State form: F700-007-000). | | |
| | An affidavit attesting payment of all payrolls, bills for materials and other indebtedness. | | |
| | Releases and waivers of liens from Contractor, Subcontractors, and material suppliers, in form approved by the Owner. | | |
| | Letter of Consent of Surety to final payment. | | |
| | Equipment and Work guarantees (longer than one year). | | |
| | Operations and Maintenance Manuals, complete | | |
| | Marked-up record drawings, complete. | | |
| | Electrical inspector's certificate of acceptance of the Work. | | |
| | Certificate of Occupancy. | | |
| | Asbestos-Free Certificate. Verify that all materials installed on project are asbestos-free. See form bound in Project Manual. | | |
| | List of extra materials, as required by specifications sections and storage location. | | |
| | Complete list of all painting materials and colors used including manufacturer and color code identification number and/or formula. | | |
| | Provide written confirmation of all final inspection approvals for all permits issued (building, mechanical, plumbing, electrical, etc.) by agency having jurisdiction. | | |

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

In accordance with pertinent provisions of this Section, carefully demolish, remove from the site and dispose properly those items scheduled to be so demolished.

1.3. RELATED WORK

1. Section 01 50 00: Temporary Facilities.
2. Section 01 73 29: Cutting & Patching.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE BENCHMARKS & MONUMENTS

Locate and carefully maintain all benchmarks, monuments and other reference points and, if disturbed or destroyed, replace as directed at no cost to Owner.

1.6. EXISTING UTILITIES

1. Underground: Consult with serving utilities before excavation work starts to determine locations of active existing utilities. Known active utilities will be located by local utility locate service. Contractor shall arrange for utility locate prior to starting work. Protect and repair any damage thereto, without cost to Owner, in manner approved by Serving Utility and/or Owner. Plug or cap pipes or conduits not to be re-used at site improvement lines. Unknown active utilities or private piping or conduits, if encountered, to be protected and any damage thereto shall be repaired in manner approved by Serving Utility and/or Owner with cost to be responsibility of Owner.
2. Overhead: Protect all overhead utilities on or adjacent to site from damage caused by the Work and repair any damage thereto at no cost to Owner.
3. Inactive Utilities: Remove from within building lines; plug or cap in approved manner at least three (3) feet outside building or site improvement lines as directed.

1.7. PROTECTION

1. Provide barriers, safety guards and warning lights as required for public protection by law and ordinance.
2. Keep streets, walks and alleys clean and free of obstructions.

1.8. EXISTING IMPROVEMENTS

1. Conduct all operations in such a manner as to prevent damage to existing structures and surfaces to remain and to adjacent property.
2. Repair any damage incurred because of work in this Section to satisfaction of Architect.
3. Resulting damage to existing floor, wall and ceiling finishes shall be replaced or repaired at no additional cost to the Owner.

1.9. ASBESTOS ABATEMENT STANDARDS

1. See Appendix for Good Faith Hazardous Materials Survey conducted by KD&S Environmental Inc., dated March 8, 2023.
2. **No asbestos-containing materials were detected.**

2. **EXECUTION**

2.1. GENERAL

In all activities, comply with pertinent regulations of governmental agencies having jurisdiction.

2.2. SALVAGE RIGHTS

The Owner shall have the option of claiming any material removed during the course of the Work, not scheduled for reuse.

2.3. DEMOLITION

1. By careful study of the Contract Documents, determine the location and extent of selective demolition to be performed.
2. Visit the project site and verify the extent and location of selective demolition required. Carefully identify limits of selective demolition. Mark interface surfaces as required to enable workers to identify items to be removed and items to be left in place, intact.
3. Prepare and follow an organized plan for demolition and removal of items. Completely remove items scheduled to be so demolished and removed, leaving surfaces clean, solid, and ready to receive new materials specified elsewhere.
4. Where applicable, saw cut all existing asphalt pavement and concrete, maintaining straight and uniform lines.
5. Demolished material, not salvaged by the Owner, shall be property of the Contractor and shall be completely removed from the job site.
6. Use means necessary to prevent dust becoming a nuisance to the public, to the Owner's operation, to neighbors and to other work being performed on or near the job site. Erect and maintain necessary dust barriers to seal off the demolition area from unaffected spaces.

2.4. DISPOSAL

1. Provide all necessary labor and equipment to haul demolition debris to proper disposal site.
2. Pay for all disposal costs.

2.5. REPLACEMENTS

In the event of demolition of items not so scheduled to be demolished, promptly replace such items to the approval of the Architect, at no additional cost to the Owner.

END, SECTION 02 41 19

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement and Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide all reinforcement where shown on the Drawings, as specified herein and as needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 03 30 00: Cast-In-Place Concrete.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE STANDARDS

1. ACI 315: Manual of Standard Practice for Detailing Reinforced Concrete Structures, latest edition.
2. ACI 318: Building Code Requirements for Reinforced Concrete, latest edition.
3. ASTM: A82, A185 and A615.

1.6. INSPECTION

1. Obtain Architect's approval of reinforcement steel placement prior to placing concrete.
2. Secure necessary approval from local Building Official prior to placing concrete.

2. PRODUCTS

2.1. BARS

1. Provide deformed bars conforming to ASTM A615.
2. All bars shall be Grade 60 (Grade A706 for welded bars unless otherwise noted, Grade 40 for bend out bars).
3. All bars shall be new billet stock, un-coated and free from rust and/or scale.

2.2. TIE WIRE

Provide black, annealed steel, (16) gauge minimum, conforming to Federal Specification QQ-W-461.

2.3. SUPPORTS & SPACERS

1. Provide steel chairs or masonry blocks, two (2) inches square maximum.
2. Reinforcing supports shall be designed to not penetrate vapor barrier under slab.
3. For exposed-to-view concrete surfaces, where legs of supports are in contact with forms, provide supports with either hot-dip galvanized or plastic-protected legs.

2.4. DOWEL SLEEVES

Provide Sika "Speed Dowel, PSD09/#4TX", or equal, (9) inches long sized for #4 bar, unless noted otherwise.

3. EXECUTION

3.1. GENERAL

1. Detail, fabricate and place per ACI 315 and 318.
2. Unless shown otherwise, provide corner bars at all horizontal reinforcing intersections, with (24) inches minimum length each leg.
3. Position, support, and secure reinforcement against displacement by formwork, construction and concrete placing operations.
4. Notify Architect if conflict for space occurs.
5. Provide dowels where concrete walks abut other walks, building slabs, or foundations. Provide dowels where new concrete walks or slabs abut existing. Provide # 4 x 2'-0" at 16" on center, embed 6" minimum into existing concrete with epoxy adhesive.
6. At walk expansion joints provide #4 bars x 1'-6" long with dowel sleeves specified above, unless shown otherwise.

3.2. MINIMUM COVER

Provide concrete cover over reinforcement as follows, unless shown otherwise:

1. Concrete cast against earth: 3".
2. Exposed to weather or earth: 2".
3. Ties on beams and columns: 1 1/2".
4. Walls and slabs not exposed to weather: 3/4".

3.3. SPLICES

1. Splice and Development Length Schedule (Concrete):

| Bar Size | Minimum Lap Splice Lengths ("Ls") | | Minimum Development Lengths ("Ld") | | Minimum Embedment Length for Standard End Hooks ("Ldh") |
|----------|-----------------------------------|------------|------------------------------------|------------|---|
| | Top Bars (1) | Other Bars | Top Bars (1) | Other Bars | |
| #3 | 2'-0" | 1'-6" | 1'-6" | 1'-3" | 0'-7" |
| #4 | 2'-8" | 2'-0" | 2'-0" | 1'-7" | 0'-9" |
| #5 | 3'-4" | 2'-7" | 2'-7" | 2'-0" | 1'-0" |

(1) "Top Bars" are horizontal bars with more than (12) inches depth of concrete cast below them.

END, SECTION 03 20 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide cast-in-place concrete, including all required formwork, where shown on the Drawings, as specified herein, and as needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 03 20 00: Concrete Reinforcing.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE STANDARDS

Conform to the latest editions of the following:

1. ACI 116: Cement and Concrete Terminology.
2. ACI 117: Standard Specifications for Tolerances.
3. ACI 301: Specifications for Structural Concrete for Buildings.
4. ACI 302: Guide to Concrete Floor and Slab Construction.
5. ACI 304: Guide for Measuring, Mixing, Transporting and Placing Concrete.
6. ACI 305: Recommended Practice for Hot Weather Concreting.
7. ACI 306: Recommended Practice for Cold Weather Concreting.
8. ACI 308: Standard Specification for Curing Concrete.
9. ACI 309: Standard Specification for Consolidation of Concrete.
10. ACI 311: Guide for Concrete Inspection.
11. ACI 315: Details and Detailing of Concrete Reinforcement.
12. ACI 318: Building Code Requirements for Structural Concrete.
13. ACI 347: Guide to Formwork of Concrete.
14. ASTM C33: Standard Specification for Concrete Aggregates.
15. ASTM C94: Standard Specification for Ready-Mix Concrete.
16. ASTM C150: Standard Specification for Portland Cement.
17. ASTM C260: Standard Specification for Air-Entrained Admixtures for Concrete.
18. ASTM C309: Standard Specification for Liquid Membrane-Forming Compounds for Curing.
19. ASTM C494: Standard Specification for Chemical Admixtures for Concrete.
20. ASTM C595: Standard Specification for Blended Hydraulic Cements.
21. ASTM C618: Standard Specification for... Fly Ash... Maximum loss on ignition shall be 1.0%.
22. ASTM C1017: Standard Specification for Chemical Admixtures for Use in Producing Flowing Concrete.
23. ASTM C1116: Synthetic Fiber Reinforced Concrete and Shotcrete.
24. ASTM C1218: Standard Test Method for Water-Soluble Chloride in Mortar and Concrete.

1.6. SUBMITTALS

1. Submit concrete mix design for review.
2. See Section 01 33 00 for Submittals.

1.7. INSPECTION

1. Obtain Architect's approval of reinforcement steel placement prior to placing concrete.
2. Secure necessary approval from local Building Official prior to placing concrete.
3. See Section 01 45 23 for Testing & Inspection.

1.8. JOB CONDITIONS

1. Hot Weather or Windy Placement: Take necessary steps to reduce concrete temperature and water evaporation by proper attention to ingredients, production methods, handling, placing, protecting and curing. Conform to ACI 305. See General Notes on Structural Drawings for additional requirements. Hot weather is defined by ACI 305 as "any combination of high air temperature, low relative humidity and wind velocity tending to impair the quality of fresh hardened concrete". When the estimated rate of evaporation (use ACI 305, Figure 2.1.5 to estimate the rate) is greater than 0.2 psf/hour, the placement shall be considered a hot weather placement. Precautions against plastic shrinkage cracking are necessary. Such precautions may include, but are not limited to:
 - a. Limiting concrete temperature to 100° F at time of placement.
 - b. Application of an evaporation retarder.
 - c. Use of a fog spray or water inundation.
 - d. Reduction of pour size.
 - e. Placing concrete at night.
2. Cold Weather Placement: Provide adequate equipment for heating materials and protecting concrete during freezing or near-freezing weather. Keep all materials, reinforcement, forms and ground in contact with concrete, free from frost; use no materials containing ice. Conform to ACI 306. See General Notes on Structural Drawings for additional requirements. Cold weather is defined by ACI 306 as "a period when for more than (3) successive days the mean daily temperature drops below 40° F.

2. **PRODUCTS**

2.1. FORMS

1. Design, erect, support, brace and maintain formwork so it will safely support vertical and lateral loads which might be applied until such loads can be supported safely by the concrete structure.
2. Construct forms to the exact sizes, shapes, lines and dimensions shown, and as required to obtain accurate alignment, location, grades and level and plumb work in the finished structure.
3. Use form release agents that will not transfer to the concrete.

2.2. CONCRETE INGREDIENTS

1. Mix Designs: The Contractor shall design concrete mixes that meet, or exceed, the requirements of the concrete mix table. The mix designs shall facilitate anticipated placement methods, weather, rebar congestion, architectural finishes, construction sequencing, structural details, and all other factors required to provide a structurally sound, aesthetically acceptable finished product. Water reducing admixtures will likely be required to meet these requirements. Concrete mix designs shall clearly indicate the target slump. Slump tolerance shall be $\pm 1\frac{1}{2}$ inches.
2. Portland Cement: Provide gray color, Type I-II, conforming to ASTM C150.
3. Coarse and Fine Aggregate: Conform to ASTM C33. Maximum size of coarse aggregate shall be 1/5 of narrowest dimension between forms of concrete member, in no case exceeding 1 1/2 inch size. If pumping of concrete is employed, maximum size shall be 3/4 inch. Provide pea gravel at polished concrete slabs.
4. Water: Clean and potable.
5. Admixture Manufacturers: Shall be Master Builders, W.R. Grace, or equal. All manufacturer's recommendations shall be strictly followed.

6. Air-entraining Agent: Conform to ASTM C260. Attain five (5) percent (plus/minus 1-1/2 percent) entrained air, by volume, for all concrete.
7. Water-reducing Agent: Type A – water-reducing, Type D - water reducing and retarding or Type E - water reducing and accelerating. Conform to ASTM C494-80.
8. Maximum Chloride Content: The maximum water-soluble chloride content shall not exceed 0.15% by weight of cementitious material unless noted otherwise.

2.3. CONCRETE PROPERTIES

1. General: All concrete shall be ready mixed per ASTM C94.
2. Flowable Concrete: At Contractor’s option, Contractor may use Master Builders Admixture (MBA) systems, or equal, using Pozzolith or Rheobuild admixtures, to produce flowable concrete. Manufacturer’s concrete technician shall assist in determining proportions for admixture systems concrete and shall obtain approval of Architect prior to employing this procedure.
3. Compressive Strength: Conform to Section 1905, International Building Code. **[Note: Conformance may require higher compressive strength than that specified, depending on production facility field strength test records.]**

| Item | Design f'c(psi) | Maximum Water/ Cement Ratio | (2) Minimum Fly Ash P/CY | Maximum Aggregate Size (inches) | Notes | (1) Minimum Cementitious Material (sack/yard) |
|--------------|-----------------|-----------------------------|--------------------------|---------------------------------|-------|---|
| All Concrete | 4,000 @ 28 days | 0.50 | - | 3/4 | (3) | 5 1/2 |

Concrete Mix Notes:

- (1) Total cementitious material is the sum of all cement plus fly ash.
- (2) At the Contractor’s option, fly ash may be substituted for cement, but shall not exceed 25% by weight of total cementitious material.
- (3) Fibrous Concrete Reinforcement shall be Master Builders “MasterFiber F 100”, or equal, enhanced , fibrillated micro-synthetic fiber, conforming to ASTM C1116 Type III 4.1.3, Performance Level 1 and shall be 100% virgin polypropylene, fibers containing no reprocessed olefin materials and specifically manufactured for use as concrete secondary reinforcement. Dosage shall follow manufacturer’s recommendation, but not less than 1.5 pounds per cubic yard.

2.4. NON-SHRINK GROUT

Provide Master Builders “Master Flow 555” or equal. Grout shall conform to CRD C621 and ASTM C1107 Grade B when tested at a fluid consistency per CRD C611 85 for (30) minutes.

2.5. BONDING AGENT

Fresh to hardened concrete, provide Sika “Arematec 110 EpoCem”, or equal.

2.6. CURING MATERIALS

1. Exterior Concrete: Provide liquid, membrane-forming compound conforming to ASTM C309, Type I, clear.

2.7. CLEAR SEALER

Provide Scofield Systems “Scofield Selectseal Plus”, or equal, urethane fortified acrylic concrete clear sealer that provides superior wet slip resistance while forming a tough, stain and abrasion-resistant gloss finish.

2.8. ACCESSORIES

1. Asphalt Expansion Joint: Provide W.R. Meadows “SealTight”, or equal, mineral fiber and asphalts formed under heat and pressure between two asphalt saturated liners. Provide 1/4" thickness unless shown otherwise.

3. **EXECUTION**

3.1. FORMWORK

1. Conform to ACI 301.
2. Provide form-release agents that will not impair subsequent surface treatments or finishes.
3. Provide all necessary formwork accessories as indicated, recommended, or required.
4. After placement, remove all forms, screeds, screed stakes, projecting form ties and bolts. Do not pry against concrete when removing forms.

3.2. MIXING & PLACING

1. All mixing and transporting equipment, forms, reinforcing and subgrade shall be free of all foreign matter and ice.
2. Attain uniform distribution during mixing, discharging mixer completely before recharging. Convey and deposit in a manner to prevent segregation. No aluminum conveying equipment is permitted. Conform to ACI 301.
3. Place concrete following all applicable ACI recommendations. Concrete shall be placed monolithically between construction or expansion joints.
4. Do not embed piping, other than electrical conduit, in structural concrete. Locate conduit to maintain maximum strength of the structure. Increase the thickness of the concrete if the outside diameter of the conduit exceeds thirty (30) percent of the thickness of the concrete. Do not embed aluminum in concrete.
5. Set all bolts, inserts and other required items in the concrete as directed, sufficiently secured to resist displacement. All embedded steel items exposed to earth and/or weather shall be hot-dipped galvanized, unless noted otherwise.
6. Consolidate freshly placed concrete per ACI 309 using internal mechanical vibrators with 7000 rpm minimum frequency. Penetrate vibration head into upper portions of underlying plastic layers. Do not over-vibrate.
7. If concrete is placed by the pump method, horses shall be provided to support the hose. **The hose shall not be allowed to ride on the reinforcing.**
8. Weather forecasts shall be monitored and ACI recommendations for hot and cold weather concreting shall be strictly followed.
9. During placement, concrete shall not free fall more than (5) feet without written approval of Structural Engineer.

3.3. CLEAR SEALER

1. Surface Preparation:
 - a. Prepare existing concrete surface as required to receive clear sealer application.
 - b. Sand existing concrete surface as required to remove previous flooring remnants and appearance
 - c. The substrate must be dry and free of all curing membranes, wax, grease, oils, soil, loose or foreign materials, laitance, and dust.
 - d. If required, clean substrate with site-tested commercial cleaners and rinse thoroughly.
2. Inspection: Examine the areas and conditions under which this work will be performed. Correnct conditions detrimental to the proper and timely completion of the work. Proceeding with installation of this work constitutes acceptance of the floor substrate surface.
3. Application: Apply material in strict accordance with manufacturer's written instructions. Apply sealer with brush, roller, HVLP, airless or pump-spray/back-roll. Avoid foot traffic for a minimum of (12) hours and hard-wheeled traffic for (72) hours after final application.

3.4. FINISHING FLATWORK SURFACES

1. General: Finish surfaces true with tolerance in any direction not to exceed 1/4 inch in ten (10) feet. Slope slabs 1/4 inch per foot, minimum, to drains.
2. Exterior Slabs: Provide medium broom finish with direction of striations as directed by Architect. Slope slabs 1/4 inch per foot, minimum, to allow runoff.

3.5. CURING & PROTECTION

1. Protect all freshly placed concrete from premature drying and excessive hot or cold temperature extremes.
2. Maintain curing procedures used for seven (7) days, at temperatures of (50) degrees F. If mean daily temperature drops below (40) degrees F. during this period, extend curing period an equal number of days or provide temporary heat or additional protection to maintain specified minimum temperature of air in contact with concrete.
3. Protect all concrete during curing period from all damaging mechanical disturbances, especially load stresses, heavy shock, and excessive vibration. Provide necessary security at jobsite to prohibit marking of concrete surface while it is still plastic. Any concrete that receives imprinted damage will be removed and replaced at no cost to the Owner.
4. Protect finished surfaces from all damage.
5. Start curing procedures immediately after finishing operation. Install curing and hardening materials according to manufacturer's written instructions.

END, SECTION 03 30 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement and Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide metal fabrications where shown on the Drawings, as specified herein, and as needed for a complete and proper installation.

1.3. COORDINATION

See General Notes on Structural Drawings.

1.4. RELATED WORK

1. Section 03 30 00: Cast-In-Place Concrete
2. Section 06 10 00: Rough Carpentry.
3. Section 06 20 00: Finish Carpentry.
4. Section 09 90 00: Painting & Coating.

1.5. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.6. REFERENCE STANDARDS

1. Conform to AISC "Manual of Steel Construction", latest edition.
2. ASTM: As noted hereinafter.

1.7. SUBMITTALS

1. Submit shop drawings for review.
2. See Section 01 33 00 for Submittals.

2. PRODUCTS

2.1. FACTORY/SHOP FINISH

1. Galvanizing: All steel, other than stainless steel, that is exposed to weather or is located in an unheated space shall be galvanized, unless noted otherwise, per ASTM A123 with 1.25 oz. of zinc spelter per square foot of surface area, after fabrication. Touch up as required with high zinc-dust content paint.
 - a. Conform to ASTM A123 for rolled, pressed or forged shapes, castings, plates and bars.
 - b. Conform to ASTM A153 for bolts and threaded fasteners.
2. Painting: All steel fabrications that are not made from stainless steel or galvanized steel shall be factory/shop prime painted.
 - a. Remove all mill scale, rust, dirt, oil and grease. Solvent clean all surfaces. Phosphate etch metal surfaces prior to painting.
 - b. Provide one (1) coat of long oil, multiple-pigment, rust-inhibitive, steel primer to a minimum dry thickness of two (2) mils.

2.2. MISCELLANEOUS SHAPES & PLATES

Conform to ASTM A36 (fy = 36 ksi).

2.3. FRAMING & MOUNTING SYSTEM

1. Provide Unistrut, or equal.
2. Finish: Provide pre-galvanized zinc.
3. Provide standard fittings as required with matching finish.

2.4. BOLTS

1. General: Provide hot-dipped galvanized steel, typical.
2. Machine Bolts: Conform to ASTM A307, Grade A.
3. Anchor Bolts: Conform to ASTM F1554, Grade 36, Class 2A.
4. High-Strength Bolts: A325 conform to ASTM F1852. A490 conform to ASTM A490.

2.5. DRILLED-IN EXPANSION ANCHORS

Provide Hilti Inc. "KwikBolt", or equal. (7) inch minimum embedment, or as shown.

2.6. EPOXY ADHESIVE

Provide Hilti Inc. "HIT-HY 200", or equal, two-component, hybrid adhesive.

3. EXECUTION

3.1. GENERAL

1. All fabrication shall be performed by a fabricator certified by the American Institute of Steel Construction (AISC).
2. The General Contractor shall be responsible for all erection aids and joint preparations that include, but are not limited to: erection angles, lift holes, and other aides, welding procedures, required roof openings, root face dimensions, groove angles, backing bars, weld extension tabs, copes, surface roughness values and tapers of unequal parts. The General Contractor shall be responsible for the compliance of all current OSHA requirements.
3. Holes, copes or other cuts or modifications of the structural steel members shall not be made in the field without written approval from the Structural Engineer.
4. Install metal fabrications as shown and required on Drawings.

3.2. EPOXY ADHESIVE

Install adhesives in strict accordance with manufacturers written instructions.

3.3. WELDING

1. General: All welding shall be performed by WABO/AWS certified welders. Welders shall be prequalified for each position and weld type which the welder will be performing. Use E70 electrodes.
2. Structural Steel: Weld in accordance with "Structural Welding Code", AWS D-1.1.
3. Welded Connections Inspection: The Contractor shall submit a written welding procedure specification for shop and field welding of all frame connections for approval to the Structural Engineer of record, prior to fabrication. All welding shall be checked by visual means and by other methods deemed necessary by the welding inspector. All welds found to be defective shall be repaired and reinspected by the same methods originally used, and this repair and reinspection shall be paid by the Contractor.

END, SECTION 05 50 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide wood, nails, bolts, screws, framing anchors and other rough hardware, and other items needed, and perform rough carpentry for the construction shown on the Drawings, as specified herein, and as needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 05 50 00: Metal Fabrications.
2. Section 06 20 00: Finish Carpentry.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE STANDARDS

1. Lumber & Timber: Conform to "West Coast Lumber Inspection Bureau Standard Grading and Dressing Rules", latest edition, for Douglas Fir, West Coast Hemlock and Western Red Cedar, hereinafter called "WCLIB".
2. Plywood: Conform to "U.S. Department of Commerce Product Standards PS 1-95 for Softwood Plywood - Construction and Industrial" hereinafter called "PS 1-95".
3. Grade Marks: Association grade mark and trademark must appear on each piece, or each shipment must be accompanied by a certificate of inspection.

1.6. SUBMITTALS

1. Submit shop drawings for review. Adequately demonstrate understanding and intent of the Structural and/or Architectural Drawings and applicable Sections of the IBC.
2. Shop drawings shall include typical conditions such as: bearing walls, gables walls, column bases, beam supports, etc.
3. See Section 01 33 00 for Submittals.

1.7. PRODUCT HANDLING

Stack materials, level, and off ground, protected from excessive moisture absorption.

2. PRODUCTS

2.1. FRAMING LUMBER (KILN-DRIED)

1. 6 x Beams & Headers: Douglas Fir-Larch No. 1.
2. 2 x to 4 x Joists, Purlins & Headers: Douglas Fir-Larch No. 2 or Hem-Fir No. 1.
3. 6 x Posts & Columns: Douglas Fir-Larch No. 1.
4. Exterior Studs, Interior Bearing Studs & 4 x Columns: Douglas Fir-Larch No. 2 or Hem-Fir No. 1.
5. Interior Non-Bearing Studs: Douglas Fir-Larch No. 2 or Hem-Fir No. 1.
6. Other Structural Framing: Minimum, Douglas Fir-Larch No. 2 or Hem-Fir No. 1.
7. Utility & Standard Grades not permitted.

2.2. PLYWOOD SHEATHING

1. General: **Roof sheathing shall be plywood only.** All panels 3/4" and thicker shall be minimum (5) ply.
2. Sheathing Grade: APA C-D with exterior glue, Group 1 or Group 2 species, Structural I.
3. Sheathing Span Rating: Roof framing at 32" o.c. (48/24), roof framing at 24" o.c. (32/16).

2.3. PRESSURE-TREATED LUMBER & PLYWOOD

1. General: Unless noted otherwise, pressure treated lumber shall be incised.
2. Hem-Fir/Hemlock: Provide alkaline copper quaternary (ACQ-C) water borne preservative per American Wood Preservers Association (AWPA) standard P5, to a minimum retention of 0.40 pounds per cubic foot.
3. Douglas Fir: Provide ammoniacal copper zinc arsenate (ACZA) water-borne preservative per AWPA standard U1 to a minimum retention of 0.40 pounds per cubic foot.

2.4. FASTENERS

1. Provide all nails, bolts, screws, etc. as required. Nailed connection designs are based on "common wire" or box nails with the following properties:
 - a. 8d: 0.131" diameter, 2 1/2" length.
 - b. 10d: 0.148" diameter, 3" length.
 - c. 16d: 0.162" diameter, 3 1/2" length.
 - d. 20d: 0.192" diameter, 4" length.
2. Provide Simpson "Strong-Tie", or equal, connectors. Framing connectors shall have ICBO approval. All framing connectors shall be fully nailed. At exterior connectors exposed to weather, provide stainless steel fasteners. All framing connectors in contact with pressure-treated lumber and/or plywood and/or exposed to weather shall have Simpson "Z-MAX" (G185). All other framing connectors shall have Simpson (G90) galvanized protective coatings.
3. Provide cut washers where bolt heads, nuts and lag screw heads bear on wood. See Section 05 50 00 for bolts.
4. All fasteners in contact with pressure-treated lumber and/or plywood shall be hot-dipped galvanized or stainless steel.

3. **EXECUTION**

3.1. GENERAL FRAMING

1. Carefully lay out, cut, fit, and erect framing. Install all work to true lines, plumb and level.
2. Set horizontal and sloped members with crown up. Calculate anticipated lumber shrinkage and erect framing accordingly.
3. Conform to fastening schedule per 2015 IBC, Table 2304.10.1, as adopted by local jurisdiction, or more if indicated on Drawings. Stagger all nailing to prevent splitting of wood members.
4. Do not notch or drill structural members, except as allowed by IBC Sections 2308.9.10, 2308.9.11 and 2308.10.4.2, or as restricted by plans or details, or as approved prior to installation.
5. Provide all necessary blocking and backing required for work in other Sections. Verify items requiring blocking and/or backing along with specific requirements.

3.2. PLYWOOD

1. Lay out sheets with face grain perpendicular to supports and joints staggered so four-foot edge is discontinuous.
2. Except as otherwise noted, nail panel edges at six (6) inches on center with 8d nails and at twelve (12) inches on center with 8d nails at intermediate supports, galvanized common or box nails.

3.3. PRESSURE-TREATED LUMBER & PLYWOOD

1. All wood in contact with concrete or masonry shall be pressure-treated.
2. **All wood, including plywood, shall be pressure-treated if located below 100-year flood plain minimum floor elevation.**
3. Treat cut ends and drilled holes with (3) liberal brush coats of Cuprinol #10, or equal (20% solution of Copper Naphthanate). If wood is to be painted, use Cuprinol #20, or equal, clear.

END, SECTION 06 10 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide prefabricated laminated beams, joists and trusses where shown on the Drawings, as specified herein, and as needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 05 50 00: Metal Fabrications.
2. Section 06 10 00: Rough Carpentry.
3. Section 06 20 00: Finish Carpentry.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE STANDARDS

1. Laminated Beams: Conform to ANSI/AITC A190.1, "Structural Glued Laminated Timber". All beams shall bear an AITC (American Institute of Timber Construction) stamp.
2. Metal Plate Connected Wood Trusses: Shall be ICC approved.

1.6. SUBMITTALS

Provide shop and installation drawings produced under the supervision of and bearing the stamp of a licensed Structural Engineer, registered as such in the State of Washington. Detail drawings to indicate all information required in IBC Section 2303.4.1, along with the following:

1. Laminated Beams.
2. Metal Plate Connected Wood Trusses
 - a. Key Plan showing each truss.
 - b. Individual truss designs.
 - c. Permanent bracing requirements, including placement and connection details.
 - d. Truss drawings shall specify all truss connections and hardware to meet the requirements of the plan.
 - e. Necessary documentation to interpret data indicated on calculations.
3. See Section 01 33 00 for Submittals.

1.7. SUBSTITUTIONS

1. Substitutions may be allowed only if they meet the requirements of the General Notes on Structural Drawings and these Specifications and if complete written engineering data for each condition required for this project is provided to the Structural Engineer (2) weeks prior to bid date and approved in written addenda by the Architect. Data is to indicate code basis by year, authority for stresses and stress increased, if any, and amount of expected deflection for flexural members under 1) total load and 2) live load only.
2. All increased costs in mechanical, sprinkler, electrical or general installation and any architectural or structural redesign resulting from substitution shall be borne by the General Contractor.

1.8. INSPECTION

For metal plate connected wood trusses, provide certificate of conformance from an independent testing laboratory or a licensed professional engineer certifying that they have inspected the finished trusses and that all trusses are constructed in conformance with the truss design drawings.

1.9. PRODUCT HANDLING

1. Lift materials only as directed by manufacturer.
2. Stack materials level, and off ground, protected from the weather.

2. PRODUCTS

2.1. LAMINATED BEAMS

1. General: Provide Douglas Fir, combination 24F-V4 for simple spans and combination 24F-V8 for multiple and/or cantilever spans. Camber as shown on Structural Drawings, otherwise do not camber. All beams shall be sealed with standard penetrating sealer. Industrial Appearance grade members shall be bundle wrapped; all other grades shall be individually wrapped.
2. Appearance Grade:
 - a. Framing: Where concealed parallel to a stud wall.
 - b. Industrial: Where not exposed to view.
 - c. Architectural: Where exposed to view.
3. Adhesives: Wet condition of service.

2.2. METAL PLATE CONNECTED WOOD TRUSSES

1. Shall be manufactured by an approved truss manufacturer in accordance with approved shop and installation drawings. Roof trusses shall be provided to complete the roof framing from the roof sheathing to the supporting members below.
2. Truss calculation package shall be designed under the direct supervision of a professional engineer licensed in the State of Washington per IBC Section 2303.4 to carry the loads listed in the design criteria and any additional loads indicated on the framing plans and details. Calculations shall be provided for standard loading along with design checks for special loading conditions which include free body diagrams, loading break down, description of loads (ie. Mechanical units, suspended walls, etc.) and the rationale for loading distribution of multiple members. The truss engineer shall assume the responsibility for the work of all subordinates involved in the preparation of the truss placement plans and truss design drawings. All roof trusses are to be pre-engineered by others.
3. Trusses designated on plans are for typical uniformly loaded conditions. Truss engineer shall provide additional trusses as required to support special loading conditions indicated on Drawings. Additionally, truss engineer shall verify with HVAC and other subcontractors for equipment loads.
4. Provide manufactured trusses, type and spacing as shown on Drawings. Truss manufacturer shall specify wall and/or beam connection(s).
5. Permanent Bracing: Permanent bracing design shall be the sole responsibility of the truss engineer in strict accordance with IBC Section 2303.4. IBC requirements shall prevail when a conflict occurs with any other publication, agency, etc.
6. Braced Wall Panels: Provide in accordance with IBC 2308.6.7. Extend wall sheathing over panels, typical.
7. Gable End Trusses: Shall only be permitted where bottom chords are permanently braced, conforming to IBC 2308.5.1.
8. Metal Connector Plates: Provide (20) gauge minimum thickness. Meet or exceed ASTM A653, Grade 40 steel, hot-dipped galvanized coating designation G60. Hot-dip galvanize plates after fabrication.

2.3. FASTENERS

1. Provide all nails, bolts, screws, etc. as required.
2. Framing connectors shall have ICBO approval. All framing connectors shall be fully nailed. See Section 06 10 00 for framing connectors in contact with pressure treated wood and exposed to weather or located in unheated spaces.

3. **EXECUTION**

3.1. FABRICATION

Identify and accommodate all collateral loads, including but not limited to:

1. Plywood soffit: 1.0 psf.
2. Lighting: 1.0 psf.
3. Miscellaneous loads identified on structural drawings and design trusses accordingly.

3.2. ERECTION

1. Use manufacturer approved "pick" points when lifting members into place.
2. Keep wrapping on individually wrapped beams during installation; do not remove until necessary. Use non-marring slings when lifting wrapped beams into place.

3.3. INSTALLATION

1. Install members as shown on Drawings and in accordance with approved shop and installation drawings.
2. Install all necessary bridging and bracing.
3. Notch or drill members only as specifically allowed by manufacturer and/or approved by Architect.

END, SECTION 06 17 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide finish wood, nails, bolts, screws and other finish carpentry hardware, and other items needed, and perform finish carpentry for the construction shown on the Drawings, as specified herein, and as needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 06 10 00: Rough Carpentry.
2. Section 07 60 00: Flashing & Sheet Metal.
3. Section 07 90 00: Joint Sealants.
4. Section 09 90 00: Painting & Coatings.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE STANDARDS

1. Lumber & Timber: Conform to "West Coast Lumber Inspection Bureau Standard Grading and Dressing Rules", latest edition, for Douglas Fir, West Coast Hemlock and Western Red Cedar, hereinafter called "WCLIB". Conform to Architectural Woodwork Institute (AWI) Quality Standards, latest edition.
2. Softwood Plywood: Conform to "U.S. Department of Commerce Product Standards PS 1-95 for Softwood Plywood - Construction and Industrial" hereinafter called "PS 1-95".
3. Hardwood Plywood: Conform to Hardwood Plywood and Veneer Association (HPVA) grading standards, latest edition.

1.6. PRODUCT HANDLING

1. Exterior Materials: Stack level, off ground, under approved cover. Protect from moisture.
2. Use all means necessary to protect materials of this Section before, during and after installation and to protect installed work and materials of all other trades.

1.7. JOB CONDITIONS

All drywall and other "wet" work shall be completed not less than ten (10) days prior to delivery of interior finish lumber and/or plywood to the Project.

2. PRODUCTS

2.1. EXTERIOR WORK

1. Plywood Soffit: Provide Douglas Fir, APA 303-18-W, Exterior, Group 1 or 2 with Span Rating 24, rough sawn, non-grooved plywood in thicknesses shown on drawings.
2. Misc. Boards & Trim: Provide Western Red Cedar "B & Better" (par. 102-d.), kiln dried, saw texture.

2.2. FASTENERS

1. Provide all necessary nails, brads, and screws to complete the Work.
2. All exterior fasteners shall be stainless steel.

3. **EXECUTION**

3.1. GENERAL

1. Provide necessary blocking and backing for all items.
2. Place and fit all finish carpentry in a first-class workmanlike manner, free of all hammer marks, dents, gouges, splits, or other defects.
3. Unless otherwise specified, 45-degree mitre-cut all end joints with tightly sealed joints.
4. Install trim in as long lengths as practicable, well secured to adjacent construction, plumb, level and in true alignment with openings and other construction.
5. All casings and trim to be backed out to allow firm, tight fit over materials. Saw-kerf wide trim to minimize cupping.

3.2. PLYWOOD SOFFIT INSTALLATION

Install in strict accordance with APA written instructions.

3.3. SEALANT INSTALLATION

1. Install construction sealant during finish carpentry work as items are installed, not after work is finished.
2. Conceal sealant to greatest extent possible.
3. Always provide bond breaker to limit adhesion as noted in Section 07 90 00. Failure to provide necessary bond breakers shall be grounds to remove and replace affected finish materials at no additional cost to the Owner.

END, SECTION 06 20 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide all asphalt shingles and accessories complete, in place, as shown on the Drawings, specified herein and needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 06 20 00: Finish Carpentry.
2. Section 07 60 00: Flashing & Sheet Metal.
3. Section 07 72 00: Roof Accessories.
4. Section 07 90 00: Joint Sealants.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. SUBMITTALS

1. Submit manufacturers data for review and samples for color selection.
2. See Section 01 33 00 for Submittals.

1.6. PRODUCT HANDLING

1. Deliver materials to jobsite in manufacturer's original, sealed containers, properly labeled and identified.
2. Store materials off ground protected from weather and direct sunlight.

1.7. JOB CONDITIONS

Do not install shingles in wet weather.

1.8. EXTRA STOCK

Furnish to Owner (1) bundle of shingles in original wrapper of same kind as those installed on project.

1.9. WARRANTY

1. Furnish written warranty to Owner to cover work performed under this Section to be watertight and weathertight for a period of two years from date of substantial completion.
2. Asphalt shingles shall have a lifetime limited product warranty.
3. Asphalt shingles shall have a 130 mile per hour enhanced limited wind warranty.
4. Asphalt shingles shall have a (20) year limited algae staining warranty.

2. PRODUCTS

2.1. ASPHALT SHINGLES

1. Provide Malarkey Roofing Products "Legacy", or equal, SBS modified laminated, fiberglass/polyglass mat shingle, approximately 275 pounds per square.

2. Hip & Ridge: Provide matching “EZ Ridge Shingles”, or equal, (12) inch strips.
- 2.2. CONTINUOUS VENTS
 1. General: Provide Cor-A-Vent , or equal, UV-stabilized polypropylene vents.
 2. Hip/Ridge Vent: Provide “V-600E”, or equal, vent with enhanced snow screen.
 3. Eave Vent: Provide “Raft-A-Vent”, or equal, vent strip attached to top of rafter blocking.
- 2.3. ICE/WATER SHIELD UNDERLAYMENT
 1. General: Provide CertainTeed “WinterGuard”, or equal, self-adhesive, conforming to ASTM D1970, rolled sheet with following finish(es):
 2. Sand: Embedded sand to enhance traction during application.
 3. Granular: Embedded granules for superior traction during application.
- 2.4. MASTIC
Provide ATCO "Rain Seal", or equal.
- 2.5. FLEXIBLE SEALANT
Provide as recommended by continuous vent manufacturer.
- 2.6. NAILS
 1. Provide large head, hot-dipped galvanized roofing nails, length as required to penetrate 1/2 inch beyond underside of roof sheathing.
 2. Zinc-plated nails will not be permitted.
3. **EXECUTION**
 - 3.1. SURFACE PREPARATION
 1. Sweep and remove all loose debris from surfaces to receive asphalt shingle roofing.
 2. Notify Architect of any deficiency in roof deck. Proceeding with installation constitutes acceptance of roof deck conditions by installer.
 3. Verify locations of all existing and new roof accessories.
 - 3.2. UNDERLAYMENT
 1. Mechanically fasten underlayment to roof deck in strict accordance with roofing manufacturer’s written instructions.
 2. Pay particular attention to manufacturer’s instructions regarding high slope roofs.
 - 3.3. ICE/WATER SHIELD UNDERLAYMENT
 1. Apply self-adhesive ice/water shield with “peel and flop” method.
 2. Provide minimum (6) inches lap at joints, typical.
 3. **Provide over entire roof area at roof pitches less than 4:12.**
 4. Install according to manufacturer’s written instructions.
 - 3.4. SHINGLE INSTALLATION
 1. Install asphalt shingles according to manufacturers written instructions and IBC requirements.
 2. Mastic shingles to fascia board at rake and overhang.
 3. Provide hot-dipped galvanized nails, sizes as recommended by roofing manufacturer. Provide (6) nails per full-sized shingle. Place nails in accordance with manufacturers written instructions for (6) nail application.
 4. Provide hand sealing for all field shingles and hip and/or ridge shingles. Use sealant as recommended by manufacturer. Install sealant in amounts and in locations in accordance with manufacturers written instructions for hand sealing application. If shingles have not been hand sealed within (7) days of installation, the installation will be rejected and replaced by the

Contractor at no additional cost to the Owner. If shingles have not been hand-sealed and integral seal tabs have already sealed, the installation will be rejected and replaced by the Contractor at no additional cost to the Owner.

5. Verify location of all existing and new roof accessories.
6. Install continuous vents in strict accordance with manufacturer's written instructions and standard details. Set hip/ridge vent and roof/wall vent in mastic bed over asphalt shingles. Install hip/ridge shingles in mastic bed over ridge vent. Do not extend cap shingles more than (12) inches beyond the top edge of the vent. Install cover shingles over roof/wall vent in mastic bed.

3.5. CLEAN UP

1. Clean up all debris from work under this Section and dispose off site.
2. Drag lawn and paved areas adjacent to buildings with magnets to collect nails and metal debris. Perform this operation at end of each workday.

END, SECTION 07 31 13

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement and Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide all preformed metal siding complete, in place, as shown on the Drawings, specified herein and needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 07 60 00: Flashing & Sheet Metal.
2. Section 07 90 00: Joint Sealants

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. SUBMITTALS

1. Submit samples for color selection.
2. Submit manufacturers data for review.
3. See Section 01 33 00 for Submittals.

1.6. PRODUCT HANDLING

Store materials off ground, protected from weather and impact damage.

1.7. WARRANTY

1. Siding Contractor shall furnish written warranty to Owner to cover work performed under this Section to be watertight and weathertight for a period of (2) years from date of substantial completion.
2. Provide standard panel manufacturer's paint finish warranty for specific wall panels. "Zincalume" coating shall have limited (25) year warranty against rupture, fail structurally or perforation. "DuraTech5000" coating shall have limited (30) year warranty covering items below. "DuraTechNT" coating shall have limited (25) year warranty covering items below.
 - a. Cracking, flaking or peeling.
 - b. Showing a color change more than (5) Hunter delta-E units as determined by ASTM method D-2244-02.
 - c. Chalking in excess of ASTM D-4214-98 method A D659 number 8.

2. PRODUCTS

2.1. MANUFACTURER

Provide the following steel panel products from AEP SPAN, or equal.

2.2. SUBSTRATE

Provide "Zincalume", 45% zinc/55% aluminum alloy, applied by continuous, hot-dip coating process.

2.3. FINISH

Provide “DuraTech5000”, where offered for architectural products. Provide “DuraTechNT” for through-fastened commercial and industrial products.

1. Face System: Provide primer and fluoropolymer resin top coat for a total dry film thickness of (1) mil, nominal.
2. Backer System: Provide primer and polyester top coat for a total dry film thickness of 0.75 mil, nominal.

2.4. METAL SIDING

1. Provide “PBR Panel” (26) gauge, through-fastener panel.
2. Provide sealant at all vertical seams.

2.5. MISC. FLASHINGS & TRIM

1. Provide standard flashings and trim manufactured for specific panel systems.
2. Provide at all panel edges as required for a complete and finished appearance.
3. Provide same material and finish as panel systems.

2.6. FASTENERS & ACCESSORIES

1. Provide galvanized, hex head wood screws with neoprene washers, painted to match color of siding panels, as recommended by siding panel manufacturer. Length as recommended by siding panel manufacturer.
2. Provide polyethylene foam type, formed closure strips matching siding panel profile.
3. Provide sealant as recommended by siding panel manufacturer for all lapped joints.

3. EXECUTION

3.1. INSTALLATION

1. Install siding panels and related accessories in strict accordance with manufacturers written instructions and standard details. Siding panels shall be laid neat, square and true.
2. Make accommodations for expansion and contraction as directed by manufacturer and industry standards.
3. Treat any contacting surfaces of dissimilar materials to prevent electrolytic corrosion.

3.2. TOUCH UP

Touch up all damaged paint surfaces.

END, SECTION 07 42 13

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements

1.2. DESCRIPTION

Provide all flashing and sheet metal complete, in place, as shown on the Drawings, specified herein and needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 06 20 00: Finish Carpentry.
2. Section 07 41 13: Metal Roofing Panels.
3. Section 07 90 00: Joint Sealants.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE STANDARDS

Conform to latest edition of SMACNA "Architectural Sheet Metal Manual".

1.6. WARRANTY

1. Furnish written warranty to Owner to cover work performed under this Section to be watertight and weathertight for a period of two years from date of substantial completion.
2. Provide standard panel manufacturer's paint finish warranty for specific wall panels. "Zincalume" coating shall have limited (25) year warranty against rupture, fail structurally or perforation. "DuraTech5000" coating shall have limited (30) year warranty covering items below. "DuraTechNT" coating shall have limited (25) year warranty covering items below.
 - a. Cracking, flaking or peeling.
 - b. Showing a color change more than (5) Hunter delta-E units as determined by ASTM method D-2244-02.
 - c. Chalking more than ASTM D-4214-98 method A D659 number 8.

2. PRODUCTS

2.1. MISCELLANEOUS FLASHING

Provide (26) gage, painted galvanized steel. Provide factory-applied, oven-baked, finish based on DuraTech5000, or equal, polyvinylidene fluoride resin.

2.2. GUTTERS

1. Provide aluminum with baked-on enamel finish.
2. Provide expansion joints at 40' O.C., maximum. At expansion joints, separate gutter sections with spot welded and soldered end caps. Provide cover plate at expansion joints that span between ends of adjacent gutter sections.

2.3. DOWNSPOUTS

1. Provide gutter outlet and return to wall to match gutter material.
2. At drop adjacent to building, provide (3) inches diameter Schedule (40) PVC.
3. Provide stainless steel wall brackets at approximately 4'-0" on center.

3. EXECUTION

3.1. INSTALLATION

Install all items in this Section as shown on Drawings in strict accordance with manufacturer's recommendations.

END, SECTION 07 60 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide sealants and related accessories needed for the construction shown on the Drawings, as specified herein and as needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 06 10 00: Rough Carpentry.
2. Section 06 20 00: Finish Carpentry.
3. Section 07 60 00: Flashing & Sheet Metal.
4. Section 08 11 00: Standard Metal Doors & Frames.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. PRODUCT HANDLING

1. Deliver materials to jobsite in manufacturer's original, sealed containers, properly labeled and identified.
2. Store as recommended by manufacturer.

1.6. JOB CONDITIONS

1. Do no exterior work during wet weather or when moisture is present on subject surfaces.
2. Perform work only if ambient temperatures are within the range specified by sealant manufacturer.

2. PRODUCTS

2.1. SEALANTS - GENERAL

1. General: Conform to Federal Specification TT-S-00230C, Type II, Class A for non-sag type for vertical surfaces. Sealants shall be non-staining type for porous and non-porous surfaces.
2. One-Part Polyurethane: Provide Sika Corp. "Sikaflex-1a" or Sherwin-Williams "Stampede-1", or equal.
3. One-Part Elastomeric: Provide Sherwin-Williams "SherMax", or equal, urethaned elastomeric or Sherwin-Williams "PowerHouse", or equal, siliconized acrylic latex elastomeric sealant.
4. One-Part Polyurethane – Concrete: Provide Sika Corp. "Sikaflex Concrete Fix", or equal.
5. One-Part Silicone: Provide GE "Contractors 1000", or equal.
6. Color: Furnish stock colors, matching adjacent finish material colors as close as possible; or as directed.

2.2. BACKER ROD

1. Provide closed cell polyethylene rod with a bond breaker film surface to prevent adhesion to sealant.
2. Rod diameter shall be (25) per cent, minimum, greater than joint width.

2.3. BOND BREAKER TAPE
Provide C.R. Laurence, or equal, clear plastic tape with clear polyethylene adhesive backing, approximately (8) mils thickness.

2.4. PRIMER
Provide as recommended and manufactured by sealant manufacturer, non-staining type.

3. **EXECUTION**

3.1. GENERAL

1. Select the most appropriate sealant products for specific applications. Make sealant decisions in conjunction with painting subcontractor.
2. Install materials in strict accordance with manufacturer's written instructions. All sealant joints shall be even and neatly tooled.
3. Conceal sealant when possible, during, not after, installation of finish materials.
4. **Use backer rod or bond breaker tape to eliminate three-sided adhesion which will shorten the service life of dynamic joints.**
5. **At concrete joints, chip out existing substrate to create adequate space for sealant installation.**

3.2. BACKER ROD

1. At butt-type joints, install backer rod so that joint depth does not exceed (50) percent of joint width.
2. Install at a uniform depth and in a fully relaxed position.

3.3. BOND BREAKER TAPE

At fillet-type joints and band-aid-type joints, install bond breaker tape.

3.4. DOOR FRAMES & TRIM

1. Metal Frames: Provide sealant at all joints between metal frames and wall finish and wood trim as applicable.
2. Wood Trim: Provide sealant at all joints between wood trim and wood trim, and wood trim and wall finish.

3.5. DRYWALL PARTITIONS

Provide sealant at all intersections of wall board with floor and ceiling terminations.

3.6. MISCELLANEOUS JOINTS

Provide sealant at all intersections of siding with soffits, etc.

END, SECTION 07 90 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Prepare, paint and finish all exterior and interior exposed surfaces listed on the Painting Schedules in Part Two of this Section, as required on the Drawings, specified herein and needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 05 50 00: Metal Fabrications (shop priming).
2. Priming or priming and finishing of certain surfaces are specified to be factory performed or installer performed under pertinent other Sections.

1.4. QUALITY ASSURANCE

1. Manufacturer: Products used in the work of this Section shall be produced by manufacturers regularly engaged in manufacture of similar items and with a history of successful production acceptable to the Architect.
2. Installer: Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
3. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.
4. Special Inspection: See Section 01 45 23 for non-destructive measuring of dry film thickness.

1.5. SUBMITTALS

1. Submit complete and detailed material list, by product trade name and number, of all materials proposed for use in this Section (no substitutions will be permitted after Architect's review of material list).
2. Submit samples for color selection.
3. Submit draw-down samples for color verification.
4. See Section 01 33 00 for Submittals.

1.6. PRODUCT HANDLING

1. Deliver materials to, and retain, at the jobsite in unbroken containers with the manufacturer's original labels thereon.
2. Mix and store materials in a safe and approved location, taking extraordinary care to prevent fire.
3. Open cans of material only as needed.
4. Keep rubbing cloths and rags in tightly closed, metal containers or remove from building at the close of each day's work.
5. Use all means necessary to protect the materials of this Section before, during and after installation and to protect the Work and materials of all other trades.

1.7. JOB CONDITIONS

1. Apply materials in strict accordance with manufacturer's written instructions as to surface temperature, surrounding air temperature and relative humidity.
2. Do not apply exterior materials during periods of mist, rain, snow or fog.
3. Do no work when dust or insects are present.

1.8. EXTRA STOCK

1. Furnish one unopened gallon of each type and color of paint and stain used, properly labeled.
2. Provide Owner with a complete list of all painting materials and colors used including manufacturer and color code identification number and/or formula.

1.9. COLOR ALLOWANCE

1. Exterior: Make allowance in bid for separate colors for individual material.

2. PRODUCTS

2.1. PAINT COORDINATION

1. Provide finish paints that are compatible with prime paints used.
2. Review other Sections of these Specifications in which prime paints are to be provided to ensure compatibility of total coatings system for various substrates.
3. Provide barrier coats over incompatible primers or remove and reprime as required.

2.2. MATERIAL QUALITY

1. Provide the best quality grade of the various types of coatings as regularly manufactured by approved painting materials manufacturers. Materials not displaying the manufacturer's identification as a standard, best-grade product will not be acceptable.
2. Provide undercoat paint produced by the same manufacturer as the finish coats. Use only thinners approved by the paint manufacturer and use only within recommended limits.
3. Provide paints of durable and washable quality.
4. All materials shall be low odor and shall conform to all environmental air quality regulations.

2.3. ACCEPTABLE MANUFACTURER

Benjamin-Moore, Cowman & Campbell, DuPont, ICI/Devoe, Jarvie Paint Manufacturing Co., Kelly-Moore, Miller, Preservative Paint Co., Parker, PPG Industries, Pratt & Lambert, Rodda, Rudd Paint & Varnish Co., Olympic Stain Products Co., Rez Co., Sherman-Williams, Tnemec Co. or approved.

2.4. PAINT SHEEN

The following painting schedules utilize the following ascending order of gloss levels:

1. Level 1: traditional matte – flat.
2. Level 2: high side flat (velvet-like).
3. Level 3: traditional eggshell.
4. Level 4: satin-like.
5. Level 5: traditional semi-gloss.
6. Level 6: traditional gloss.
7. Level 7: high gloss.

2.5. EXTERIOR PAINTING SCHEDULE

1. Existing Concrete & Concrete Block:
one (1) coat concrete/masonry latex block filler. (2.5) mils minimum dry film thickness.
two (2) coats exterior latex, Level 4. (1.5) mils minimum dry film thicknesses each coat.
2. New Wood Panels, Soffit, Rake & Fascia Boards & Misc. Wood Trim:
two (2) coats solid color acrylic stain.
3. Existing Miscellaneous Wood:
two (2) coats exterior latex, Level 4. (1.5) mils minimum dry film thicknesses.

4. Existing Painted Metal Siding:
one (1) base coat SW “SuperPaint” exterior satin acrylic with Flood “E-B Emulsa Bond” acrylic-based coating additive. (1.5) mils minimum dry film thickness.
one (1) finish coat SW “SuperPaint” exterior acrylic, Level 4. (1.5) mils dry film thickness.
 5. Existing Metal Doors & Frames, Columns, Roof Accessories & Miscellaneous Metal:
one (1) coat epoxy primer (at bare spots). (6) mils minimum dry film thickness.
two (2) coats acrylic polyurethane, Level 5. (5) mils min. dry film thicknesses each coat.
 6. Existing Metal Railings at Building B:
one (1) coat epoxy primer (at bare spots). (6) mils minimum dry film thickness.
two (2) coats acrylic polyurethane, Level 5. (5) mils min. dry film thicknesses each coat.
 7. New Miscellaneous Metal:
one (1) coat epoxy primer. (6) mils minimum dry film thickness.
two (2) coats acrylic polyurethane, Level 5. (5) mils min. dry film thicknesses each coat.
 8. New PVC Downspouts:
one (1) coat primer. (2.5) minimum dry film thickness.
two (2) coats acrylic polyurethane, Level 4. (5) mils minimum dry film thicknesses each coat.
- 2.6. INTERIOR PAINTING SCHEDULE – RESTROOMS ONLY
1. Existing Concrete Block:
one (1) coat concrete/masonry latex block filler. (2.5) mils minimum dry film thickness.
two (2) coats exterior latex, Level 4. (1.5) mils minimum dry film thicknesses each coat.
 2. Existing Plywood Ceiling:
two (2) coats interior latex, Level 4. (1.5) mils minimum dry film thicknesses
 3. Existing Metal Doors & Frames & Miscellaneous Metal:
one (1) coat epoxy primer (at bare spots). (6) mils minimum dry film thickness.
two (2) coats acrylic polyurethane, Level 5. (5) mils min. dry film thicknesses each coat.
3. **EXECUTION**
- 3.1. SURFACE CONDITIONS
1. Prior to commencing with the Work in this Section, carefully inspect the installed work of all other trades and verify that all such work is complete to the point where this installation may properly proceed.
 2. Verify that painting may be completed in strict accordance with the original design and with the manufacturer's recommendations.
 3. Do not proceed in areas of discrepancy until all such discrepancies have been fully resolved.
 4. Proceeding with installation of the Work in this Section constitutes acceptance of surface conditions.
- 3.2. SURFACE PREPARATION
1. Fill all holes, gouges, dents, etc. in existing CMU and concrete.
 2. Perform all preparation and cleaning procedures in strict accordance with the paint manufacturer's recommendations.
 3. Remove all removable items which are in place and are not scheduled to receive paint finish or provide surface-applied protection prior to surface preparation and painting operations. Following completion of painting in each space or area, reinstall the removed items by using workers skilled in the necessary trades.
 4. Clean each surface to be painted prior to applying paint or surface treatment.

5. At existing CMU and concrete, pressure wash surfaces with hot water and cleaner. Scrape, spot prime and provide sealant as required.
 6. Existing Wood:
 - a. Spray existing surfaces with bleach solution to remove any organic growth.
 - b. Pressure wash surfaces, taking care not to damage or degrade existing wood surface.
 7. Fill ends of boards where end grain is exposed, sand smooth.
 8. Remove all labels from surface mounted electrical conduit.
 9. Metal surface preparation shall conform to following:
 - c. Solvent Cleaning: Removal of all visible oil, grease, soil, drawing and cutting compounds and other soluble contaminants from surfaces with solvent, vapor, cleaning compound, alkali, emulsifying agent, or steam.
 - d. Hand Tool Cleaning: Removal of all loose mill scale, loose rust, loose paint and other loose detrimental foreign matter by hand chipping, scraping, sanding and wire brushing.
 - e. Power Tool Cleaning: Removal of all loose mill scale, loose rust, loose paint and other loose detrimental foreign matter by power wire brushing, power sanding, power grinding, power tool chipping and power tool descaling.
- 3.3. ADJACENT EQUIPMENT & FINISH PROTECTION
1. Use tarpaulins or drop cloths when working above or adjacent to surface mounted or free-standing equipment.
 2. Provide ample masking of adjacent surface mounted equipment to contain overspray.
- 3.4. APPLICATION OF PAINT & FINISH
1. Prior to application of paints, provide moisture tests with results satisfactory to written manufacturer's requirements.
 2. Apply paint and finish materials by accepted and approved trade practice. Workmanship to be highest quality, performed by skilled mechanics.
 3. Apply additional coats when undercoats or other conditions show through the final coat of paint, until the paint film is of uniform finish, color and appearance. Allow ample time between coats for thorough drying, not less than manufacturer's recommended minimum time. Sandpaper interior, smooth wood surfaces between coats.
 4. Cut sharp lines against glass, different materials and different colors. Spread material evenly, without runs or sags.
 5. When painting a wall and/or ceiling patch, paint wall and/or ceiling between natural break points such as corners, door frames, etc. that occur on each side of the patch.
 6. At all doors, regardless of material, provide same finish on top and bottom edges as specified.

END, SECTION 09 90 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide toilet partitions and urinal screens where shown on the Drawings, as specified herein and as needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 06 10 00: Rough Carpentry (blocking/backing).
2. Section 09 22 16.13: Non-load Bearing Metal Studs.
3. Section 10 28 13: Toilet Accessories.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE STANDARDS

Accessible toilet partitions shall conform to the requirements of the codes and regulations listed in Section 01 11 00.

1.6. SUBMITTALS

1. Submit manufacturer's data, shop drawings and samples for review and color selection.
2. See Section 01 33 00 for Submittals.

1.7. PRODUCT HANDLING

Store in factory shipping containers off floor, on edge in dry location.

2. PRODUCTS

2.1. MANUFACTURER

Provide Bobrick, Bradley, General, or equal.

2.2. MOUNTING TYPE

Floor-to-ceiling anchored.

2.3. CONSTRUCTION (HIGH DENSITY POLYMER)

1. General: Provide high density polymer (HDP), solid color throughout.
2. Doors: (1) inch thickness.
3. Panels: (1) inch thickness.
4. Pilasters: (1) inch thickness. (6) inches minimum width. Provide full-width, stainless steel leveling bars.

2.4. **HARDWARE**

1. Provide all necessary hardware for complete installation. Hardware shall be stainless steel, using tamper-resistant fasteners.
2. Each door shall be equipped with chrome-plated cast alloy coat hook and bumper.
3. Provide all necessary hardware for complete installation.
4. Shall be "Institutional" grade, 18-8, Type 304 stainless steel.
5. Shall be "Full Height", including, but not limited to:
 - a. Self-closing hinge running full height.
 - b. Full-height angle bracket and U-channels.
 - c. Reinforced latch, keeper.
 - d. Emergency access inswing doors

3. EXECUTION

3.1. **SURFACE CONDITIONS**

1. Examine the areas and conditions under which work of this Section will be performed.
2. Correct conditions detrimental to timely and proper completion of the Work.
3. Do not proceed until unsatisfactory conditions are corrected.

3.2. **INSTALLATION**

1. Coordinate as required with other trades to assure proper and adequate provision in the work of those trades for interface with the work of this Section.
2. Provide necessary blocking and backing in wall construction to adequately support the work of this Section.
3. Install all work in this Section level, plumb and rigid in strict accordance with approved shop drawings and manufacturers written instructions.

3.3. **REPAIR**

Do not repair damaged panels but replace all affected parts at no cost to the Owner.

END, SECTION 10 21 13

SECTION 11 68 33
ATHLETIC FIELD EQUIPMENT

1. GENERAL

1.01 SECTION INCLUDES

- A. Removable baseball backstop.

1.02 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide athletic field equipment manufacturer's product data indicating materials of construction, compliance with specified standards, installation procedures, and necessary safety limitations.
- C. Shop Drawings: Submit detailed scale drawings showing backstop and perimeter layout.
 - 1. Indicate installation details for backstop installation over wood.
- D. Samples: Submit color chart for each item that color must be selected showing full range of colors and finishes.
- E. Maintenance Data: Submit manufacturer's recommended maintenance instructions and list of replaceable parts.
- F. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.03 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of experience.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, handle, and store equipment on project site in accordance with manufacturer's recommendations.
- B. Store materials in a dry, covered area, and elevated above grade.

1.05 WARRANTY

- A. See Section 01 7 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide minimum 5 year manufacturer warranty for backstop vinyl.

2. PRODUCTS

2.01 REMOVABLE BASEBALL BACKSTOP

- A. Manufacturers:
 - 1. Sports Venue Padding Inc., or equal.
- B. Padded Baseball Backstop Panels Construction:
 - 1. 3/4" APA BC Exterior grade plywood.
 - 2. 3" Polyurethane, 1.5 lbs cubic foot.
 - a. Hood: Three panels, with bent panels on each end.
 - 3. 16 oz laminate awning fabric vinyl with exceptional UV characteristics.
 - 4. Hook and loop closure at panel sides.
 - 5. Field verify panel size:
 - a. Top clearance: 1" clear from netting rail.
 - b. Bottom clearance: 2" clear from finish grade.
- C. Installation Method:
 - 1. Interlocking aluminum or galvanized steel clips.

2.02 MATERIALS

- A. Steel Pipe and Tube: Complying with ASTM A135 A135M, ASTM A500 A500M, or ASTM A513 A513M; hot-dip galvanized and free of excess weld and spatter.
 - 1. Tensile Strength: 45,000 psi, minimum.
 - 2. Yield Point: 33,000 psi, minimum.

3. Galvanizing: Hot-dip metal components in zinc after fabrication, in accordance with ASTM A123 A123M; remove tailings and sharp protrusions and burnish edges.

3. EXECUTION

3.01 PREPARATION

- A. Confirm condition of wood substrate is finish painted and acceptable for panel installation.
- B. Proceeding with work in this Section indicates installers acceptance of wood substrate.
 1. Verify that athletic field perimeters do not overlap hard surfaces, whether currently installed or not.
 2. Verify that athletic fields are free of obstructions.
 3. If conflicts or obstructions are found, notify Architect.
 4. Do not proceed with this work until revised drawings have been provided, showing corrected layout, and that any obstructions have been removed or corrections to layout have been made.

3.02 INSTALLATION

- A. Install backstop panels in accordance with manufacturer's instructions, and rules and regulations of specified athletic association indicated for this work.
- B. Provide interlocking mounting brackets at 3 locations: top, bottom, and midpanel.

END OF SECTION

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

1. Subcontractor Design/Build: Electrical system shall be designed and executed by the electrical subcontractor.
2. Assess existing and proposed project conditions and provide complete design, secure all needed permits, and approvals and provide all electrical work consisting of: furnishing, installing, testing and placing, in satisfactory operation, all equipment, materials, devices and appurtenances, unless specifically excluded, necessary to provide a complete electrical system extension according to the intent of the Drawings and Specifications.

1.3. RELATED WORK

1. Section 01 73 29: Cutting & Patching.
2. Section 26 50 00: Lighting Fixtures

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the National Electrical Code (NEC), International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.
3. Without additional cost to the Owner, provide such other labor and materials as are required to complete the work of this Section in accordance with the requirements of governmental agencies having jurisdiction, regardless of whether such materials and associated labor are called for elsewhere in these Contract Documents.

1.5. REFERENCE STANDARDS

1. ASTM: American Society for Testing and Materials, as noted hereinafter.
2. NFBU: National Board of Fire Underwriters.
3. NEMA: National Electric Manufacturers Association.
4. NFPA: National Fire Protection Association.
5. UL: Underwriters Laboratories, Inc.

1.6. SUBMITTALS

1. Submit manufacturer's data for all items furnished under this Section and electrical system shop drawing for review.
2. When required, submit approved electrical system shop drawing to State of Washington, Department of Labor and Industries for electrical plan review. Provide all information required by examiner to complete review. Make necessary corrections and/or modifications to electrical system design as required to obtain approval. Owner will pay for plan review fee.
3. Submit marked-up record prints and equipment, maintenance and operating instruction manuals, complete, in final form.
4. Submit Electrical Inspectors certificate of acceptance of the Work.
5. See Section 01 33 00 for Submittals.
6. See Section 01 77 00 for Closeout.

1.7. INTENT OF CONTRACT DOCUMENTS

1. Specifications: The specifications denote the materials to be used on the Project and the general methods of installation. All installations shall be made in strict accordance with manufacturers' published recommendations and details and all applicable codes.
2. Drawings: Do not attempt to show complete details of building construction which affect electrical installations and show only approximate locations of fixtures, outlets, and equipment and the general requirements as to location of conduit, etc. The Drawings shall not be construed to be a substitute for the system design, which is the responsibility of this Subcontractor. This Subcontractor shall thoroughly examine the Architectural Drawings, as well as the existing site and structures prior to Bid. All measurements shall be taken from the building and/or site and checked against these Drawings. Any conflict shall be reported immediately to the Architect for adjustment before proceeding with the Work. Failure to follow this instruction shall be considered sufficient cause for this Subcontractor to alter his/her Work at his/her own expense, as directed by the Architect.

1.8. TESTS, ADJUSTMENTS, GUARANTEE

1. All electrical work shall be thoroughly and systematically tested, both during construction and after completion, in a manner duplicating regular service. Tests shall be maintained until approved. Comply with all governmental agency requirements for inspections. Promptly correct all defects and imperfections that may show up.
2. This Subcontractor shall guarantee entire system extension and all parts thereof for minimum period of (1) year from date of final acceptance and shall repair or replace any part which shows signs of failure in that time, if such failure, in the opinion of the Architect, is due to imperfections in materials or to improper workmanship.

2. PRODUCTS

2.1. GENERAL

1. All materials shall be new, free from defects and of the quality specified herein.
2. Materials shall be designed to ensure satisfactory operation and rated life in the prevailing environmental conditions where they are being installed.
3. All materials shall be listed by UL, or any other approved testing laboratory, for use under these conditions.
4. The materials furnished shall be the latest standard design products of manufacturers regularly engaged in their production.
5. This Specification generally lists only one make and model number for each item of equipment or material required for the Project. This is not intended to be restrictive, but is intended to indicate the standard of quality, design and features required, physical size, electrical power requirements and performance.
6. All systems specified herein or required by the Contract Documents shall be complete and operational in every detail, except where specifically noted otherwise.

2.2. CONDUIT

1. Underground: Outside building line, provide Schedule (80) PVC, (18) inches, minimum, below finish grade. Provide couplings, adapters, elbows, fittings, etc. required for a complete system.
2. Concealed: Provide hot-dipped galvanized or sherardized rigid steel for runs in earth, concrete or wet locations. Assemble rigid steel conduit terminations with locknuts and bushings. Provide electrical metallic tubing for all conduit runs not required or specified to be rigid steel. Assemble EMT with watertight compression fittings for one (1) inch conduit and smaller. Larger than one (1) inch fittings may be set screw type. Provide couplings, adapters, elbows, fittings, etc. required for a complete system.
3. Exposed: Provide EMT – see above. Consult Architect for routing on wall surface.

4. Support: Conduit shall be supported at intervals of not more than ten (10) feet and within two (2) feet of outlets or wiring enclosures with galvanized steel straps.
5. Continuity: Conduits shall be assembled continuous and secured to boxes, panels, etc., with appropriate fittings to maintain electrical continuity.

2.3. BOXES

1. Metal - Concealed: Provide galvanized, code-gauge pressed steel with knockouts as required. Size, depth and shape best suited to the location and intended service.
2. Metal - Exposed: Provide to match code-approved conduit.

2.4. CONDUCTORS

1. Provide minimum size No. 12 AWG, copper, insulated for 600 volts.
2. Use THW or THHN, unless required otherwise by code.
3. MC Cable: Provide where non-metallic sheathed cable is not allowed, but MC cable is permitted in concealed spaces.

2.5. WIRING DEVICES, OUTLETS & PLATES

1. General: Provide "specification grade", unless noted otherwise, and the product of a nationally recognized manufacturer regularly engaged in their production. All wiring devices furnished under this Section shall be the product of a single manufacturer.
2. Color: Receptacles: white. Cover plates: stainless steel.
3. Switches: Provide 20-amp, quiet type.
4. Receptacles: Provide 15-amp, duplex, NEMA 5-15R configuration.
5. Locking Receptacle Cover: Provide TayMac "MX6200", or equal, two-device, weatherproof cover.

3. EXECUTION

3.1. DESIGN & LAYOUT

1. Design complete electrical system extension in strict compliance with all applicable codes.
2. Layout electrical system extension in coordination with all other trades. Notify Architect immediately if any conflicts appear. All conduit runs shall be parallel to structural elements. At all exposed conduit runs, obtain Architect's approval of intended layout prior to installation.
3. When modifying existing system, verify existence of original drawings and consult as necessary to better comprehend existing system.

3.2. INSTALLATION

1. Install electrical system extension in strict compliance with all applicable codes, utilizing industry-accepted methods and maintaining first-class workmanship.
2. Electrical enclosures shall fit neatly without gaps, openings or distortion. Properly and neatly close all unused openings with approved covers.
3. All panels, boxes, etc. shall be installed plumb and level.
4. Fit surface panels, devices and outlets with neat, appropriate trims, plates or covers without overhanging edges, protruding corners or raw, exposed edges, to leave a completely finished appearance.
5. At remodeled areas, verify existing conditions and perform all required modifications to maintain continuity and operation of existing systems.
6. All electrical work shall be grounded in strict accordance with latest requirements of all applicable codes and P.U.D. standards. Connect receptacle grounding screw to outlet box with jumper wire, typically.

- 3.3. MOUNTING HEIGHTS
Provide as shown on the Drawings.

END SECTION 26 00 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

1. Subcontractor Design/Build: Provide complete design and provide all electrical work as applicable.
2. Provide lighting fixtures as shown on the Drawings, specified herein and required for a complete system.
3. Lighting fixtures shall be complete and fully operational.

1.3. RELATED WORK

1. Section 26 00 00: Electrical General Provisions.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the National Electrical Code (NEC), International Building Code (IBC), and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE STANDARDS

1. ASTM: American Society for Testing and Materials, as noted hereinafter.
2. NFBU: National Board of Fire Underwriters.
3. NEMA: National Electric Manufacturers Association.
4. NFPA: National Fire Protection Association.
5. UL: Underwriters Laboratories, Inc.
6. Chapter 51-11C WAC: Washington State Energy Code, Commercial Provisions.

1.6. SUBMITTALS

1. Submit manufacturer's data for all items furnished under this Section for review.
2. See Section 01 33 00 for Submittals.

1.7. WARRANTY

1. General: Furnish written warranty to Owner to cover the following items for the periods noted after date of substantial completion.
2. LED Fixtures: Repair or replacement of defective electrical parts and labor, including light source and power supplies not less than (3) years.

1.8. PRODUCT HANDLING

1. Deliver materials to, and retain, at the jobsite in unbroken containers.
2. Use all means necessary to protect the materials of this Section before, during and after installation and to protect the Work and materials of all other trades.

2. PRODUCTS

2.1. GENERAL

All lighting fixtures shall be complete with all required suspension accessories, canopies, lamps, sockets, reflectors, ballasts, diffusing material, plaster frames, recessing boxes and shall be completely wired and assembled.

2.2. LIGHTING FIXTURE SCHEDULE

1. General: The following schedule lists specific manufacturers and model numbers in order to establish a standard of quality. Substitutions of equal or better products are permitted. Verify proper voltage, typical, to all fixtures.
2. Security Fasteners: Whenever security fasteners are specified or are provided with specified fixtures, furnish to Owner, at completion of project, (1) screwdriver for each type of security fastener present on project.

SD-1 Vandal-Resistant Fixture
mfr: Kenall
mfr no.: N1048 P 1 67L50K DCC DV
mounting: surface, ceiling
lamps: (2) 50W 4000K LED
remarks: Wet listed. Provide mounting
 adapters as required.

2.3. OUTDOOR PHOTOCELLS

1. Enclosure: Watertight.
2. Footcandles Off: 7.5.
3. Footcandles On: 5.0.
4. Standards: ANSI/UL773A.
5. Temperature Range: -40°F to 158°F.

2.4. LAMPS

1. Manufacturer: General Electric, Westinghouse, Sylvania, Philips, or equal.
2. LED: Provide minimum CRI of 80, unless noted otherwise. LED modules/arrays shall deliver at least 70% of initial lumens, when installed insitu for a minimum of 35,000 hours. Color temperature variation shall not exceed +/- 100 degrees Kelvin at installation, and +/- 200 degrees Kelvin over the life of the module.

3. EXECUTION

3.1. FIXTURE INSTALLATION

Install fixtures according to manufacturer's written instructions. Remove all labels and marks from

3.2. CLEAN UP

During final clean up, all fixtures and lenses shall be washed, and lamps cleaned.

END, SECTION 26 50 00

1. GENERAL

1.1. GENERAL REQUIREMENTS

Conform to:

1. Division 00 00 00: Procurement & Contracting Requirements.
2. Division 01 00 00: General Requirements.

1.2. DESCRIPTION

Provide chain link fence and gate system where shown on the Drawings, as specified herein and as needed for a complete and proper installation.

1.3. RELATED WORK

1. Section 03 30 00: Cast-In-Place Concrete.

1.4. QUALITY ASSURANCE

1. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
2. The Contractor and all related subcontractors shall possess industry standard understanding of the latest editions of the International Building Code (IBC) and all other relevant codes that govern work in this Section and all related Sections.

1.5. REFERENCE STANDARDS

1. ASTM: As noted hereinafter.

1.6. SUBMITTALS

1. Submit shop drawings and manufacturers data for review.
2. See Section 01 33 00 for Submittals.

2. PRODUCTS

2.1. GALVANIZING & FINISHING

Provide galvanized finish with not less than the following weight of zinc per square foot.

1. Pipe: 1.8 oz. conforming to ASTM A120.
2. Hardware & Accessories: Comply with Table I of ASTM A153.
3. Fabric: 1.2 oz. complying with Class I of ASTM A121.
4. Color Finish: All color finishes shall be UV stable. Provide vinyl coated fabric. Provide powder coated frame work.

2.2. FABRIC

1. Gage: Provide (9) gage wire in (2) inch mesh.
2. Selvage: Bottom selvage shall be knuckled. Top selvage shall be twisted and barbed.
3. Ties: Provide (6) gauge wire clips at (14) inches on center at line posts and (24) inches on center at top rails.
4. Tension Wire: Provide (7) gauge, galvanized, high carbon steel coil spring tension wire securely fixed to the bottom edge of the fabric, line posts and terminal posts.

2.3. POSTS & RAILS

1. General: Terminal and line posts shall be of sufficient length to allow for approximately (36) inch deep settings into concrete footings. Provide weathertight closure cap for each post. Line post cap shall have openings to permit passage of top rail.
2. End & Corner Posts: Provide Schedule (40), 2 7/8 inch outside diameter pipe, 5.79 pounds per lineal foot.

3. Gate Posts: Provide Schedule (40), (4) inch outside diameter pipe, 9.10 pounds per lineal foot.
4. Line Posts: Provide Schedule (40), 2 3/8 inch outside diameter pipe, 3.65 pounds per lineal foot.
5. Top & Bottom Rails: Provide Schedule (40), 1 5/8 inch outside diameter pipe, 2.27 pounds per lineal foot.

2.4. POST BRACE ASSEMBLIES

1. Location: Provide at end and gate posts, and at both sides of corner, slope and pull posts.
2. Horizontal Brace: Provide Schedule (40), 1 5/8 inch outside diameter pipe, 2.27 pounds per lineal foot. Locate brace at mid-height of fabric.
3. Diagonal Truss: Provide 3/8 inch diameter rod with turnbuckle.

2.5. STRETCHER BARS

1. Size: Provide one-piece lengths equal to full height of fabric with a minimum cross-section of 3/16 inches x 3/4 inches.
2. Location: Provide (1) stretcher bar for each gate and end post. Provide (2) stretcher bars for each corner, slope and pull post.
3. Bands: Secure stretcher bars to posts at (15) inches, maximum, on center.

2.6. GATES (SWING)

1. Operation: Double swing.
2. Frame: Provide Schedule (40), 1 7/8 inch outside diameter pipe, 2.72 pounds per lineal foot.
3. Fabric: Same as fence.
4. Hardware: Provide all necessary hardware required for specified gate operation.
 - a. Hinges: Provide pressed or forged steel, or malleable iron, to suit gate size; non-lift-off type, offset to permit 180 degree opening. Provide 1½ pairs of hinges for each leaf over (6) feet in nominal height.
 - b. Latches: Provide forked type or plunger bar type to permit operation from either side of the gate. Provide padlock eye as integral part of latch.
 - c. Keeper: Provide keeper for vehicle gates, which automatically engages the gate leaf and holds it in the open position until manually released.
6. Fabrication: Assemble frames with welded or steel fitted corners to provide rigid connection. Provide diagonal truss, as specified above, where required to provide necessary rigidity to gate.

2.7. DEMOUNTABLE BASEBALL FIELD FENCING

1. Removeable Post: Provide Schedule (40), 2 7/8 inch outside diameter pipe, 5.79 pounds per lineal foot. Provide welded collar and ground sleeve to match existing – **field verify**.
2. Demountable Fence Panels:
 - a. Frame: Provide 1 3/8" diameter, galvanized, .065 wall tubing on (4) sides with single vertical brace.
 - b. Fabric: Provide 11 1/2" gauge, galvanized, 2 1/4" mesh. Top and bottom selvage shall be knuckled.
 - c. Ties: Provide aluminum wire.
 - d. Dimensions: 6'-0" high x 8'-0" wide.

3. EXECUTION

3.1. GENERAL

1. Install posts at a maximum spacing of (10) feet on center.
2. Install corner or slope posts where changes in line or grade exceed a (30) degree deflection.

3.2. POST FOOTINGS

1. Concrete: Minimum 2500 psi, conforming to Section 03 30 00. Allow concrete to attain at least (75) percent of its minimum (28) day strength before rails and fabric is installed. Do not, in any case, install such items in less than (7) days after placement of concrete.
2. Line Posts: Provide (36) inches deep x (8) inches diameter.
3. All Other Posts and Removeable Post Sleeves: Provide (36) inches deep x (12) inches diameter.
4. Set posts plumb. Trowel tops of footings and slope to direct water away from posts.

3.3. INSTALLATION – GENERAL FENCING

1. Complete installation of fence and gate assembly in strict accordance with manufacturers written instructions and standard details.
2. Unless shown otherwise on Drawings, provide 6'-0" height.
3. Provide (9) gage wire ties to secure fabric as follows: line posts at (12) inch centers, rails, and braces at (24) inch centers. Install fabric on playing field side of fence.
4. Leave approximately (2) inches between finish grade and bottom selvage.
5. Peen the ends of bolts to prevent removal of nuts.
6. Install gates as shown, fully adjusted for smooth operation.

3.4. INSTALLATION – DUGOUT FENCING

In addition to the general fencing installation requirements, above provide the following:

1. Provide bottom rail as specified above.
2. Top and bottom selvage shall be knuckled.

3.1. INSTALLATION – REMOVEABLE BASEBALL FIELD FENCE POST

Match details, dimensions, and spacing of existing demountable fence assembly. Field verify all existing conditions.

END, SECTION 32 31 13

SECTION 32 33 00
SITE FURNISHINGS

1. GENERAL

1.01 SECTION INCLUDES

- A. Benches.

1.02 RELATED REQUIREMENTS

- A. Section 05 50 00 - Metal Fabrications: Anchors to attach site furnishings to mounting surfaces.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's specifications and descriptive literature, installation instructions, and maintenance information.

2. PRODUCTS

2.01 METAL FURNISHINGS

- A. Benches: Metal frame and seat section.
 - 1. Frame: Aluminum.
 - 2. Seat: Aluminum.
 - 3. Length: 72 inches.
 - 4. Width: 9.5 inches.
 - 5. Height: 17 inches.
 - 6. Products:
 - a. Lyon, or equal..

3. EXECUTION

3.01 EXAMINATION

- A. Verify proper installation of mounting surfaces, preinstalled anchor bolts, and other mounting devices; and ready to receive site furnishing items.
- B. See Section 05 50 00 for anchors to attach site furnishings to mounting surfaces.

3.02 INSTALLATION

- A. Install site furnishings in accordance with approved shop drawings, and manufacturer's installation instructions.
- B. Bolt bench supports to concrete slab, typical.

END OF SECTION

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LIMITED SCOPE RESTROOM/CONCESSION BUILDINGS

101 28TH ST.

HOQUIAM, WA 98550

PERFORMED BY:

MORAYA WILSON

AHERA CERTIFICATION:

BI/R-PD-NES-012723-02

March 8, 2023

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TABLE OF CONTENTS
OLYMPIC STADIUM
LIMITED SCOPE RESTROOM/CONCESSION BUILDINGS
101 28TH ST.
HOQUIAM, WA 98550

SECTION 1.0 – SCOPE OF WORK.....

SECTION 2.0 – ASBESTOS-CONTAINING MATERIALS (ACM)
SURVEY SUMMARY.....

SECTION 3.0 – ASSESSMENT AND RECOMMENDATIONS.....

SECTION 4.0 – STATEMENT OF COMPLIANCE.....

APPENDIX A ASBESTOS SAMPLE SUMMARY

APPENDIX B LABORATORY ANALYSIS DATA SHEETS (ASBESTOS).....

APPENDIX C PICTURES

APPENDIX D DRAWINGS

APPENDIX E CERTIFICATIONS



SECTION 1.0 SCOPE OF WORK

On March 7, 2023 Moraya Wilson (BI/R-PD-NES-012723-02) an accredited asbestos and hazardous materials inspector for KD&S Environmental, conducted an asbestos containing materials survey of the property known as:

OLYMPIC STADIUM
LIMITED SCOPE RESTROOM/CONCESSION BUILDINGS
101 28TH ST.
HOQUIAM, WA 98550

The following suspect materials were investigated:

- **Asbestos Containing Material**

Field inspection, data collection, and report generation were based on the following Scope of Work:

1. Perform a visual inspection of the subject property to identify and inventory all interior accessible suspect asbestos containing materials.
2. Bulk sampling and analysis of identified suspect asbestos containing materials.
3. Provide quantity estimates of asbestos containing materials.
4. Provide a written report including sample descriptions, sample locations, and sample location drawing.

The survey was intended to identify possible asbestos containing materials (ACM) which may be disturbed during demolition, remodeling or maintenance activities per 40 CFR 61 Subpart M and to maintain compliance with WAC 296-62-07721 and current applicable **Olympic Region Clean Air Agency (ORCAA)** Regulations. KD&S Environmental has made a best effort attempt to identify materials, which may be disturbed. In addition, the asbestos survey meets the “Good Faith” asbestos inspection requirements. It should be noted that “Good Faith” surveys are limited in scope and that those materials which required destructive means to access or sample (interstitial spaces) is not included in this report.

- **Site Description**

The survey was limited to the separated restroom and concession buildings next to the stadium. The two buildings were built in 1981 and its 1,886 square feet. The two buildings mirror one another with a concession area, two restrooms, a storage area and a locker room. All areas are easily accessible and in good condition.

Limitations of the Assessment

This targeted assessment was limited to the referenced buildings and did not include areas beyond the “foot print” of the buildings. The conclusions within this report are professional opinions base solely upon visual site observations and interpretation of analytical data as described in this report. Typical construction techniques can render portions of the building inaccessible. As a result, additional ACBM may be present in inaccessible areas (i.e. within wall and ceiling cavities). Suspect ACBM within inaccessible areas should be presumed to contain asbestos until characterized. The opinions presented herein apply to the site conditions existing at the time of the investigation and interpretation of current asbestos regulations. Recommendations provided may not apply to future conditions that exist at the above mention site.

Survey Methodology

The supporting documentation provided within survey report includes material summary table and the appendices that included site photographs, lab analytical reports, chain of custody forms, staff certification.

Suspect asbestos containing materials within the structure were identified and classified as either a surfacing material, thermal system insulation, or miscellaneous materials. Surfacing materials are those, which are either, spray applied or troweled-on for acoustical, decorative, or fireproofing purposes. Thermal system insulation (TSI) is insulation used to inhibit heat transfer or to prevent condensation on pipes, boilers, tanks, ducts and various other components. Miscellaneous materials include all other materials not included in the above categories such as floor tile, ceiling tile, roofing felt, cementitious materials, wallboard systems and products such as caulking, mastics and putties. 11 Miscellaneous samples were collected and submitted for laboratory analysis.

SECTION 2.0 ASBESTOS-CONTAINING MATERIALS (ACM) SUMMARY

Bulk samples collected by KD&S Environmental were submitted for sample analysis in accordance with method EPA-600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials". Seattle Asbestos performed analysis of suspect asbestos materials. The following suspect materials were found to contain asbestos in quantities equal to or greater than one percent (1%).

TOTAL ASBESTOS

**OLYMPIC STADIUM
LIMITED SCOPE RESTROOM/CONCESSION BUILDINGS
101 28TH ST.
HOQUIAM, WA 98550**

NONE DETECTED

**All square footages provided are approximations and any drawings are not to scale. Contractors are advised to verify the measurements on their own prior to bidding the work.*

SECTION 3.0 ASSESSMENT AND RECOMMENDATIONS

ASSESSMENT

All suspect materials are negative for asbestos. This is not an asbestos project.

RECOMMENDATIONS

All identified asbestos containing material is regulated material and must be abated prior to any demolition or remodeling activity which may disturb these materials at the subject property. A Washington State Certified Asbestos Contractor must conduct abatement of asbestos containing materials. Regulated ACM are required to be handled in accordance with Washington State Regulations prior to any demolition, renovation, or remodeling that would disturb these materials. Washington State Department of Labor and Industries require that the abatement be performed using Certified Asbestos Workers under the direct on site supervision of an AHERA Supervisor.

NARRATIVE

THE RESTROOM/CONCESSION STRUCTURES ARE GOING TO UNDERGO A RENOVATION TO UPGRADE THE FACILITIES. EXTERIOR BUILDING MATERIALS ARE METAL ROOF, NO WINDOWS, CMU EXTERIOR AND ALL ON A CONCRETE SLAB.

INTERIOR BUILDING MATERIALS ARE CMU WALLS, PAINTED PLYWOOD CEILINGS, VINYL TILE FLOORING, CERAMIC TILE FLOORING. THE INTERIOR HAS MINIMAL COVERINGS.

ELEVEN (11) SUSPECT MATERIALS WERE TESTED, AND ALL ARE NON-DETECT. THIS IS NOT AN ASBESTOS PROJECT.

SECTION 4.0 STATEMENT OF COMPLIANCE

In accordance with W.A.C. 296-62-07721 and current applicable ORCCA Regulations, KD& S Environmental Consulting performed an Asbestos Inspection of:

OLYMPIC STADIUM
LIMITED SCOPE RESTROOM/CONCESSION BUILDINGS
101 28TH ST.
HOQUIAM, WA 98550

Abatement of asbestos-containing materials must be conducted by a Washington State Certified Asbestos Abatement Contractor. Should employees or contract personnel encounter any suspect asbestos-containing materials it is their responsibility to:

1. Contact a representative of the owner.
2. Consult the inspection report to determine whether or not the suspect material contains asbestos.
3. Ensure that all employees and contractors are informed and advised of the location and type of materials that contain asbestos.

The following asbestos-containing materials were identified at the subject property:

NONE DETECTED

**All square footages provided are approximations and any drawings are not to scale. Contractors are advised to verify the measurements on their own prior to bidding the work.*

I Hereby Attest:

The inspection report has been made available to me. I will inform all subcontractors of the location and types of materials containing asbestos. I am authorized to sign on behalf of my company.

Contractor: _____ Owner's Rep: _____

Signature: _____ Signature: _____

Print Name: _____ Print Name: _____

Title: _____ Title: _____

Date: _____ Date: _____

APPENDIX A
ASBESTOS SAMPLE SUMMARY

OLYMPIC STADIUM
LIMITED SCOPE RESTROOM/CONCESSION BUILDINGS
101 28TH ST.
HOQUIAM, WA 98550

| SAMPLE NUMBER | MATERIAL LOCATION | AHERA CATEGORY | DESCRIPTION OF MATERIAL | ASBESTOS % |
|----------------------|-----------------------------------|-----------------------|--|-------------------|
| OS-1 | CONCESSIONS FLOOR | MISC NON-FRIABLE | TILE ON CONCRETE WITH GLUE | NON-DETECT |
| OS-2 | CONCESSIONS FLOOR | MISC NON-FRIABLE | SMOOTH TILE ON CONCRETE WITH GLUE | NON-DETECT |
| OS-3 | CONCESSIONS COUNTER/BACKSPLASH | MISC NON-FRIABLE | FORMICA | NON-DETECT |
| OS-4 | STORAGE FLOOR | MISC NON-FRIABLE | RED VINYL TILE ON CONCRETE | NON-DETECT |
| OS-5 | STORAGE WALL TRIM | MISC NON-FRIABLE | GREY RUBBER COVE BASE | NON-DETECT |
| OS-6 | CONCESSIONS ABOVE GRILL WITH VENT | MISC NON-FRIABLE | FIRE RATED SHEETROCK | NON-DETECT |
| OS-7 | CONCESSIONS FLOOR | MISC NON-FRIABLE | SMOOTH TILE ON CONCRETE WITH GLUE | NON-DETECT |
| OS-8 | MEN'S RESTROOM FLOOR | MISC NON-FRIABLE | RED VINYL TILE WITH BLACK MASTIC ON CONCRETE | NON-DETECT |
| OS-9 | MEN'S RESTROOM FLOOR | MISC NON-FRIABLE | RED VINYL TILE WITH BLACK MASTIC ON CONCRETE | NON-DETECT |
| OS-10 | WOMEN'S RESTROOM FLOOR | MISC NON-FRIABLE | RED VINYL TILE ON CONCRETE | NON-DETECT |
| OS-11 | WOMEN'S RESTROOM FLOOR | MISC NON-FRIABLE | RED VINYL TILE ON CONCRETE | NON-DETECT |

APPENDIX B

202212040

SEATTLE ASBESTOS TEST,

Lynnwood Lab: 19701 Scriber Lake Road, Suite 103, WA 98036, Tel:425.673.9850, Fax:425.673.9810
 Bellevue Lab: 12727 Northup Way, Suite 1, Bellevue, WA 98005, Tel:425.861.1111, Fax:425.861.1118
 Seattle Lab: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105, Tel:206.633.1111, Fax:206.633.4747, Email:admin@seattleasbestosest.com

Analyzing Quality

CHAIN OF CUSTODY

- Bulk Asbestos Point Count 400 Point Count 1000 Point Count Gravimetric Other (Specify) _____
 1 Hour 2 Hours Same day (4 to 6 Hrs.) 1 Day _____ Days

KD & S Environmental

PO Box 312, Montesano, WA 98563

Tel: 360.249.5540

Fax: 360.249.3475

Number of Samples ...11... PO# ...22-6490... Project Location ...Olympic Stadium 101 28th St Hoquiam, WA 98550...

Project Manager (Check one or more):

- Moraya Wilson 360.310.0101 moraya@kdsenv.com Sandie Mullikin 360.589.81094 sandie@kdsenv.com
 Ryan Wilson 360.310.0027 sandie@kdsenv.com Chris Williams 360.249.5540 chris@kdsenv.com
 All Invoices to: 360.249.5540 sandie@kdsenv.com

| Q# | CLIENT SAMPLE # | SAMPLE DESCRIPTION | LOCATION | NOTES |
|----|-----------------|---|-------------|--------------------|
| 1 | OS-1 | Tile floor on concrete with glue | Concessions | Floor |
| 2 | OS-2 | Smooth tile floor on concrete with glue | Concessions | Floor |
| 3 | OS-3 | Formica | Concessions | Backsplash/Counter |
| 4 | OS-4 | Red vt on concrete | Storage | Floor |
| 5 | OS-5 | Grey rubber cove base | Storage | Wall trim |
| 6 | OS-6 | Firerated gwb | Concessions | above grill w vent |
| 7 | OS-7 | Smooth tile floor on concrete with glue | Concessions | Floor |
| 8 | OS-8 | Red vt w/ black mastic on concrete | Mens RR | Floor |
| 9 | OS-9 | Red vt w/ black mastic on concrete | Mens RR | Floor |
| 10 | OS-10 | Red vt on concrete | Womens RR | Floor |
| 11 | OS-11 | Red vt on concrete | Womens RR | Floor |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |

| | Print Name | Signature | Company | Date | Time |
|-----------|---------------|-----------|-----------------------|----------|----------|
| Sampled | Moraya Wilson | | KD & S Environmental | 3/7/2023 | 11:30 AM |
| Delivered | Jadin Miller | | KD & S Environmental | 3/7/2023 | 1:35 PM |
| Received | | | KD & S Environmental | | |
| Analyzed | | | Seattle Asbestos Test | 3/8/23 | 10:00 |
| Reported | | | Seattle Asbestos Test | 3/8/23 | 17:00 |
| | | | Seattle Asbestos Test | | |

Results reporting method: Phone Fax Email Pick-up
 sandie&moraya

Composite all wallboard samples Text result to phone Point count % or less asbestos Page () of ()

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.873.9850, Fax: 425.873.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

ANALYTICAL LABORATORY REPORT

[PLM] EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Moraya Wilson
 Job#: 22-6490

Client: KD & S Environmental
 Batch#: 202212040

Address: PO Box 312, Montesano, WA 98563

Date Received: 3/8/2023

Samples Rec'd: 11

Date Analyzed: 3/8/2023

Samples Analyzed:

Enter number of samples analyzed in H7

Project Loc.: Olympic Stadium 101 28th
 Hoquiam WA98550

Analyzed by: *Steve (Fanyao) Zhang*

Approved Signatory: *Steve (Fanyao) Zhang, President*

| Lab ID | Client Sample ID | Layer | Description | % | Asbestos Fibers | Non-fibrous Components | % | Non-asbestos Fibers |
|--------|------------------|-------|---|---|-----------------|--------------------------------|----|---------------------|
| 1 | OS-1 | 1 | Gray tile | | None detected | Vinyl/binder, Mineral grains | 2 | Cellulose |
| | | 2 | Tan mastic | | None detected | Mastic/binder | 4 | Cellulose |
| | | 3 | Gray sandy/brittle material | | None detected | Sand, Filler, Binder | 3 | Cellulose |
| 2 | OS-2 | 1 | Gray tile | | None detected | Vinyl/binder, Mineral grains | 2 | Cellulose |
| | | 2 | Trace black/tan mastic | | None detected | Mastic/binder | 3 | Cellulose |
| | | 3 | Gray sandy/brittle material | | None detected | Sand, Filler, Binder | 3 | Cellulose |
| 3 | OS-3 | 1 | Brown/white brittle/rigid material | | None detected | Filler, Binder, Fine particles | 65 | Cellulose |
| | | 2 | Brown mastic | | None detected | Mastic/binder | 4 | Cellulose |
| 4 | OS-4 | 1 | Red tile | | None detected | Vinyl/binder, Mineral grains | 2 | Cellulose |
| | | 2 | Clear mastic | | None detected | Mastic/binder | 4 | Cellulose |
| | | 3 | Gray sandy/brittle material | | None detected | Sand, Filler, Binder | 2 | Cellulose |
| 5 | OS-5 | 1 | Gray rubbery material | | None detected | Rubber/binder | 2 | Cellulose |
| | | 2 | Tan mastic | | None detected | Mastic/binder | 2 | Cellulose |
| 6 | OS-6 | 1 | White powdery material with paint and paper | | None detected | Binder/filler, Paint | 35 | Cellulose |
| | | 2 | White chalky material with paper | | None detected | Binder/filler, Gypsum/binder | 25 | Cellulose |
| 7 | OS-7 | 1 | Gray tile | | None detected | Vinyl/binder, Mineral grains | 2 | Cellulose |
| | | 2 | Tan mastic | | None detected | Mastic/binder | 4 | Cellulose |
| | | 3 | Gray sandy/brittle material | | None detected | Sand, Filler, Binder | 3 | Cellulose |
| 8 | OS-8 | 1 | Red tile | | None detected | Vinyl/binder, Mineral grains | 2 | Cellulose |
| | | 2 | Black/brown mastic | | None detected | Mastic/binder | 4 | Cellulose |
| | | 3 | Gray sandy/brittle material | | None detected | Sand, Filler, Binder | 3 | Cellulose |
| 9 | OS-9 | 1 | Red tile | | None detected | Vinyl/binder, Mineral grains | 2 | Cellulose |

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

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ANALYTICAL LABORATORY REPORT

[PLM] EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;
 [PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn: Moraya Wilson

Client: KD & S Environmental

Address: PO Box 312, Montesano, WA 98563

Job#: 22-6490

Batch#: 202212040

Date Received: 3/8/2023

Samples Rec'd: 11

Date Analyzed: 3/8/2023

Samples Analyzed:

Enter number of samples analyzed in H7

Project Loc.: Olympic Stadium 101 28th
 Hoquiam WA98550

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

S Zhang

| Lab ID | Client Sample ID | Layer | Description | % | Asbestos Fibers | Non-fibrous Components | % | Non-asbestos Fibers |
|--------|------------------|-------|-----------------------------|---|-----------------|------------------------------|---|---------------------|
| 9 | OS-9 | 2 | Black/brown mastic | | None detected | Mastic/binder | 4 | Cellulose |
| | | 3 | Gray sandy/brittle material | | None detected | Sand, Filler, Binder | 2 | Cellulose |
| 10 | OS-10 | 1 | Red tile | | None detected | Vinyl/binder, Mineral grains | 2 | Cellulose |
| | | 2 | Trace clear mastic | | None detected | Mastic/binder | 4 | Cellulose |
| 11 | OS-11 | 1 | Red tile | | None detected | Vinyl/binder, Mineral grains | 3 | Cellulose |
| | | 2 | Trace clear mastic | | None detected | Mastic/binder | 4 | Cellulose |

APPENDIX C

PHOTOS:



Exterior view at Olympic Stadium.



Women's Restrooms with Wood ceiling, Cmu Walls, and Red vinyl tile flooring. **(Negative)**



Men's Restroom with Wood ceiling, CMU Walls, and Red vinyl tile floor with black mastic. **(Negative)**



Women's Restroom with Wood ceiling, CMU Walls, and Tile floor. **(Negative)**



Men's Restroom with Wood ceiling, CMU Walls, and Tile floor. **(Negative)**



Concessions with Wood ceiling, CMU Walls, Sheetrock above grill and 2 types of vinyl tile floor. **(Negative)**



Mechanical Room with Wood ceiling, CMU Walls, and Concrete floor. **(Negative)**



Storage with Wood ceiling, Cmu Walls, Red vinyl tile floor with black mastic and grey rubber cove base. **(Negative)**



Locker Room/Showers/Bathroom with Wood ceiling, CMU Walls, and Concrete floor. **(Negative)**



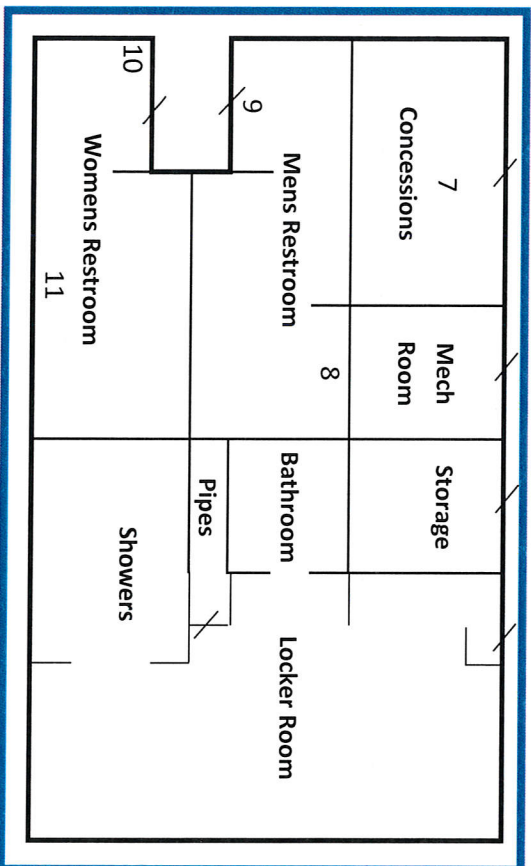
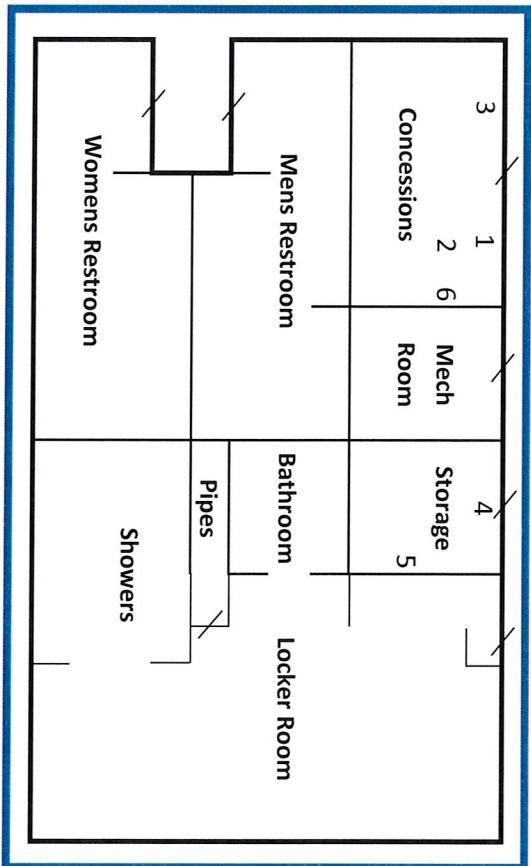
Pipes between walls in Locker Room. **(Negative)**

City of Hoquiam
 Olympic Stadium
 101 28th St.
 Hoquiam, WA 98550

APPENDIX D



#'s = Location of samples taken
 [Blue outline] = Area tested for asbestos
 [Red triangle with #9] = Samples positive for asbestos



APPENDIX E

Certificate of Participation

NOW Environmental Services
Of Federal Way, Washington certifies to all that

Moraya Wilson

On January 25th, 2023 has fulfilled the requirements of

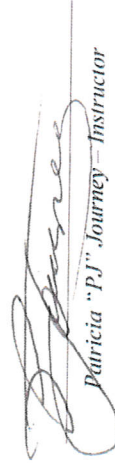
AHERA BUILDING INSPECTOR & PROJECT

DESIGNER REFRESHER

Has attended and satisfactorily completed all requirements to be accredited as an
Inspector in accordance with the Toxic Substance Control Act Title (Section 206)
and 40 CFR 763 All requirements to the accreditation as an AHERA Building Inspector in accordance with the

ACCREDITATION NO. BIR-PD-NES-012723-02

Expiration January 27, 2024



Patricia "PJ" Journey - Instructor