

**Chippewa County  
Public Health Department  
Relocation Project**

Project # 2011-014

Chippewa Falls, Wisconsin

November 22, 2011

**2dlp** LIEN & PETERSON  
ARCHITECTS, INC.  
619 Menomonee Street | Eau Claire, Wisconsin 54703 | [www.2dlp.com](http://www.2dlp.com)

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Legal Notice  
The Chippewa Herald  
November 19, 2011 and November 26, 2011

Advertisement

**GOVERNMENT PROJECT  
Public Health Department Relocation**

**Project Description:** Remodel the former Economic Support office suite at the Chippewa County Courthouse.

Submittal Deadline: Monday, December 12, 2011 – 1:00 p.m.

Location: County Clerk's Office (Room 109)  
Chippewa County Courthouse  
711 N. Bridge Street  
Chippewa Falls, WI 54729

Sealed Bids for the project designated above will be received in behalf of Chippewa County, hereinafter referred to as the Owner, at the location listed above, on or before the above mentioned time and date, at which time they will be publicly opened and read aloud.

Bids shall be securely sealed and endorsed upon the outside wrapper:

“BID FOR PUBLIC HEALTH DEPARTMENT RELOCATION – CHIPPEWA COUNTY COURTHOUSE”

Printed copies of the Bids Forms and Contract Documents will be available after 8:30 a.m. November 22, 2011 and may be seen at:

Facility and Parks Management Division  
711 N. Bridge St., Rm # 012  
Chippewa Falls, WI 54729

Electronic copies may be viewed and downloaded from the Architect at: [www.2dlp.com](http://www.2dlp.com)

**MANDATORY PRE-BID MEETING:** Bidders are required to attend a pre-bid meeting at the Chippewa County Courthouse – Room 121 on Wednesday, November 30, 2011 – 11:00 AM.

Project Completion: Friday, March 23, 2011.

Bidders shall be required to provide performance and payment bonds of 100% of bid amount.

Chippewa County reserves the right to reject any and all bids.

Connie Goss  
Risk/Purchasing Manager  
711 N. Bridge St., Rm 104  
Chippewa Falls, WI 54729

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## Instructions to Bidders

### Definitions

Terms used in these instructions to Bidders will have the meanings set forth in the “Contract for Purchases of Services”, the Bidding Documents and their associated references.

Bidding Documents include the Bidding Requirements and the proposed Contract Documents. The Bidding Requirements consist of the Advertisement for Bids, Instruction to Bidders, the Bid Form, and other sample bidding and contract forms. The proposed Contract Documents consist of the form of Contract Agreement between the Owner and the Contractor, Drawings, Specifications, and all Addenda issued prior to the execution of the Contract.

### Copies of Bidding Documents

Authorized sets of the Bidding Documents may be obtained as directed in the Advertisement of Bids.

Complete sets of Bidding Documents must be used in preparing bids; the Owner does not assume any responsibility for errors or misinterpretations resulting from the use of incomplete or unauthorized sets of Bidding Documents.

Owner may make copies of the Bidding Documents available on the above terms for the purpose of obtaining bids on the Work. No license or grant of use is conferred by issuance of copies of the Bidding Documents.

### Tax Exempt Status

Owner is exempt from state sales and use taxes on materials and equipment to be incorporated in the Work. Said taxes shall not be included in the Bid.

### Bidders Representations

The Bidder by making a bid represents that:

1. The Bidder has read and understands the Bidding Documents to the extent that such documentation relates to the Work for which the bid is submitted, and for other portions of the Project, if any, being bid concurrently or presently under construction;
2. The bid is made in compliance with the Bidding Documents;
3. The bid is based upon the materials, equipment, and systems required by the Bidding Documents without exception;
4. The Bidder has visited the site, become familiar with local and site conditions under which the Work is to be performed, and has correlated the Bidder’s personal observations with the requirements of the proposed Contract Documents;
5. The Bidder has become familiar with and satisfied as to all federal, state and local laws and regulations that may affect cost, progress, or performance of the Work;
6. The Bidder is aware of the general nature of the work to be performed by the Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;

7. The Bidder has given written notice of all conflicts, errors, ambiguities or discrepancies that Bidder discovers in the Bidding Documents and confirms that the written resolution thereof by is acceptable to Bidder; and
8. The Bidder has determined the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.

#### Mandatory Pre-Bid Conference

A Mandatory Pre-Bid Conference will be held at 11:00 AM, Wednesday, November 30, 2011, in Room 104 at the Chippewa County Courthouse.

#### Contract Times

The times by which milestones are to be achieved and for Substantial Completion and readiness for final payment are to be set forth by Bidder in the bid and will be entered into the Contract (or incorporated therein by reference to the specific language of the bid). Substantial Completion is desired on or before March 23, 2011. The times will be taken into consideration by Owner during evaluation of bids, and it will be necessary for the apparent Successful Bidder to satisfy Owner that it will be able to achieve Substantial Completion and be ready for final payment within the times designated in the bid and Contract with the Owner.

#### Substitutions

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.

#### Interpretations and Addenda

- A. All questions about the meaning or intent of the Bidding Documents are to be submitted to the Owner in writing. Interpretations or clarifications considered necessary by Owner in response to such questions will be issued by Addenda to all parties who are known to have received a complete set of Bidding Documents. Copies of Addenda will be made available for inspection wherever Bidding Documents are on file for that purpose.
- B. Questions received less than 10 days prior to the date of opening of bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- C. Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by Owner.
- D. Each Bidder shall ascertain prior to submitting a bid that the Bidder has received all Addenda issued, and the Bidder shall acknowledge their receipt of bid.

#### Preparation of Bid

- A. Bids shall be submitted on the form included with the Bidding Documents
- B. All blanks on the Bid Form shall be legibly executed in a non-erasable medium. Alterations shall be initialed in ink by person signing the Bid Form. A bid price shall be indicated for each

alternate, adjustment unit price item, and unit price item listed, or the words “No Bid,” “No Change,” or “Not Applicable” entered.

- C. Each copy of the bid shall state the legal name of the Bidder, the nature of the legal form of the Bidder, and the address, telephone number and email address of Bidder. The Bidder shall provide evidence of legal authority to perform within the jurisdiction of the Work. Each copy shall be signed by the person or persons legally authorized to bind the Bidder to the Contract. A bid by a corporation shall further give the state of incorporation and have the corporate seal affixed. A bid submitted by an agent shall have a current power of attorney certifying the agent’s authority to bind the Bidder.
- D. The bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.

Basis of Bid

- 1. Bidders shall submit a bid on a lump sum basis as set forth in the Bid Form.
- 2. The bid price shall include such amounts as the Bidder deems proper for overhead and profit on account of cash allowances, if any, named in the Contract Documents.
- 3. If Bid Form calls for sums to be expressed in both words and figures, in a discrepancy the amount in words shall govern.

Qualifications of Bidders

To demonstrate Bidder’s qualifications to perform the Work, Bidder shall submit written evidence with the Bid Form, previous experience, present commitments and such data as may be called for below or deemed necessary by Owner.

- Project References
- Bidders Proof of Responsibility
- Affidavit of Non-Collusion

Submittal of Bid

- A. Remove or copy the Bid Form from the Project Manual. Complete the Bid Form.
- B. All copies of the bid, and other documents required to be submitted with the bid shall be enclosed in a sealed opaque envelope. The envelop shall be addressed to the party receiving the bids and shall be identified with the Project name, the Bidder’s name and address, and if applicable, the designated portion of the Work for which the bid is submitted. If the bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope marked on the outside with the notation “BID ENCLOSED”.
- C. Bids shall be deposited at the designated location prior to the time and date of receipt.
- D. Bids received after the time and date for receipt of bids will be returned unopened.
- E. Submission of Bid Forms by electronic transmission (such as fax or email) will be a cause for rejection.

### Modification and Withdrawal of Bid

- A. Prior to the time and date designated for receipt of bids, a bid may be modified or withdrawn by notice to the party receiving bids at the place designated for receipt of bids. Such notice shall be in writing and signed by Bidder. A change shall be worded so as to reveal the amount of the original bid.
- B. If within 24 hours after bids are opened any Bidder files a duly signed written notice to Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its bid, that Bidder may withdraw its bid, and the bid security (if any) will be returned. Thereafter, if the Work is re-bid, that Bidder will be disqualified from further bidding on the Work.

### Opening of Bids

Bids will be opened at the time and place indicated in the Advertisement for Bids and, unless obviously non-responsive, read aloud publicly. An abstract of the amounts of the base bids and major alternates, if any, will be available to Bidders after opening of bids. Contact Connie Goss, Risk/Purchasing Manager, Chippewa County at 716-7984 or [cgoss@co.chippewa.wi.us](mailto:cgoss@co.chippewa.wi.us)

### Rejections of Bids

- A. All bids will remain subject to acceptance for the period of time stated in the Bid Form, but Owner may, in its sole discretion, reject any bid and return the bid security (if any required) prior to the end of this period.
- B. Owner reserves the right to reject any or all bids, including without limitation, nonconforming, non-responsive, unbalanced, or conditional bids. Owner further reserves the right to reject the bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to not be responsible. Owner may also reject the bid of any bidder if Owner believes that it would not be in the best interest of the Project to make an award to that Bidder. Owner also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.
- C. More than one bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one bid for the Work may be cause for disqualification of that Bidder and the rejection of all bids in which that Bidder has an interest.

### Bidders, Subcontractors and Suppliers

- A. In evaluating Bidders, Owner will consider the qualifications of Bidders and may consider the qualifications and experience of subcontractors, suppliers and other individuals or entities proposed for those portions of the Work.
- B. Owner may conduct such investigations as Owner deems necessary to establish the responsibility, qualifications and financial ability of Bidders, proposed subcontractors, suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.
- C. Prior to execution of the Contract, Owner will notify Bidder in writing if Owner, after due investigation, has reasonable objection to a person or entity proposed by Bidder. The Bidder may, at the Bidder's option, withdraw the bid or submit an acceptable substitute person or

entity with Bid price increased (or decreased) by the difference in cost occasioned by such substitution OR without an increase in the Bid.

- D. Owner may accept the adjusted bid price or disqualify the Bidder. In the event of either withdrawal or disqualification, bid security (if any) will not be forfeited.
- E. Persons and entities proposed by the Bidder and to whom the Owner have made no reasonable objection must be used on the Work for which they were proposed and shall not be changed except with the written consent of the Owner.

#### Acceptance of Bid/Award of Contract

- A. In evaluating bids, Owner will consider whether or not the bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.
- B. Owner shall have the right to waive informalities and irregularities in a bid received and to accept the bid, which, in the Owner's judgment, is in the Owner's own best interests.

#### Performance and Payment Bonds, Insurance

- A. If stipulated in the Bidding Documents, the Bidder shall furnish bonds covering the faithful performance of the Contract and payment of all obligations arising there under. The costs of such bonds shall be included in the bid. Bonds shall be dated on or after the date of the Contract. The Bidder shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of the power of attorney.
- B. Owner's insurance requirements are set forth in the Agreement Form – "Contract for Purchase of Services". The cost of required insurance shall be included in the bid.
- C. Bonds and Certificates of Insurance shall be delivered with the executed Contract.

#### Signing of Contract

Within 15 days after receipt of Contract, sign and deliver the required number of counterparts of the Contract and attached documents to the Owner.

#### Resource Efficiency

The Owner requires the Contractor to efficiently use resources to the fullest extent possible in the completion of this Project. Resource efficient aspects to be considered in completing the Project include:

1. Use of techniques that minimize waste generation.
2. Reuse of materials on site where possible
3. Recycling of waste generated during the demolition and construction processes.
4. Use of recycled-content materials

Contractor is encouraged to use additional resource-efficient methods in the Project.

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**Bid Form**

Contractors Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Email: \_\_\_\_\_

**Project Identification:** **PUBLIC HEALTH DEPARTMENT RELOCATION**  
Chippewa County Courthouse, Chippewa Falls, Wisconsin

**Bids will be Opened:** 1:05 p.m., Monday, December 12, 2011

**Location:** Bids must be received by 1:00 p.m., December 12, 2011  
Chippewa County Clerk’s Office (Room #109)  
Chippewa County Courthouse  
711 North Bridge Street  
Chippewa Falls, WI 54729

After the above listed deadline, bids will be collected from the County Clerk’s Office and brought to Room #302 of the Chippewa County Courthouse by the County Risk/Purchasing Manager to be opened and read aloud.

**This Bid is Submitted to Chippewa County**

- 1) The undersigned Bidder proposes and agrees, if this Bid is accepted, to entered into an agreement with Owner in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
- 2) Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid Security (if any required). This Bid will remain subject to acceptance for 30 days after the day of Bid opening. Bidder will sign and submit Agreement Forms with the Bonds and other documents required by the Bidding requirements within 15 days after date of Owner’s Notice of Award.
- 3) In Submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:
  - a) Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of all which is hereby acknowledge): \_\_\_\_\_
  - b) Bidder has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Work.
  - c) Bidder has studied carefully all reports and drawings of physical conditions.
  - d) Bidder has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests and studies (in

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addition to or to supplement those referred to in (c) above) which pertain to the subsurface or physical conditions at the building or otherwise may affect the cost, progress, performance or furnishing of the Work as Bidder considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents.

- e) Bidder has correlated the results of such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.
- f) Bidder has given Owner written notice of all conflicts, errors or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by Owner is acceptable to Bidder.
- g) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, associations, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

4) Bidder will complete the work for the following price(s):

Base Bid: Provide labor, materials services, equipment necessary for completion of work as described in drawing and specifications.

\_\_\_\_\_ Dollars

(\$\_\_\_\_\_)

5) Bidder agrees that the work will be substantially completed and ready for final payment within the number of calendar days in the Instruction to Bidders, with an estimated start date of: \_\_\_\_\_, and estimated completion date of: \_\_\_\_\_.

Bidder agrees if awarded the contract to execute and deliver to the Owner within 15 days after signing of the contract, a satisfactory bond which will remain in effect for 1 year after acceptance by Owner of the building and component parts, and in the amount of the Bid. Said bond to be 100 percent Performance and 100 percent Labor and Material Payment Bond.

6) Communications concerning this Bid shall be addressed to the address of the Bidder indicated below.

7) The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Conditions.

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Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date of this Proposal

**If Bidder is:**

An Individual

By: \_\_\_\_\_ (Seal)  
(Individual's Name)

Doing business as: \_\_\_\_\_

Phone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

A Partnership

By: \_\_\_\_\_  
(General Partner)

Business Address: \_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

A Corporation

By: \_\_\_\_\_  
(Corporation Name)

\_\_\_\_\_  
(State of Incorporation)

By: \_\_\_\_\_  
(Name of Person Authorized to Sign)

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

(Corporate Seal)

Attest: \_\_\_\_\_  
(Signature of Corporate Secretary)

Business address: \_\_\_\_\_  
\_\_\_\_\_

Phone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

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A Joint Venture

By: \_\_\_\_\_  
(Name)

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

By: \_\_\_\_\_  
(Name)

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

(Each joint venture must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

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### **Bidders Proof of Responsibility**

If requested by Owner, a Bidders Proof of Responsibility must be submitted within 5 days as required in the Instructions to Bidders unless a satisfactory Bidders Proof of Responsibility has been submitted to the municipality in the past 6 months.

On all contracts, bidder must submit a full and complete statement sworn to before any officer authorized to administer oaths of financial ability, equipment, experience in the work prescribed, and such other matters as the municipality may require for the protection and welfare of the public (Section 66.29(2) Wisconsin Statutes).

The objective of the questionnaire is not to discourage bidding or make it difficult for qualified bidders to file bids. Neither is it intended to discourage beginning contractors. It is intended to make it possible for the Owner to have exact information on financial ability, equipment and experience involved in awarding contracts to parties unfamiliar to the Owner. Owner reserves the right to require additional information before awarding the contract in order to determine qualification for the work.

The contents of this questionnaire will be considered confidential.

The questionnaire is to be submitted to the following; the outside clearly marked "Bidders Proof of Responsibility": Attn: Connie Goss

Risk/Purchasing Manager  
Chippewa County  
711 N. Bridge St.  
Chippewa Falls, WI 54729

It is recommended that this questionnaire be included with the Bid, or be returned by Registered Mail.

If the Owner is not satisfied with the sufficiency of the answers to the questionnaire a financial statement may be required or they may reject the bid or require additional information.

#### **Statement of Bidder's Qualifications**

1. Name of Bidder \_\_\_\_\_
2. Bidder's Address \_\_\_\_\_
3. When Organized \_\_\_\_\_
4. Where Incorporate (if applicable): \_\_\_\_\_
5. How many years have you been engaged in the contracting business under the present firm name: \_\_\_\_\_
6. Contracts on hand (attach list of present contracts, including a schedule as to estimate completion date and gross amount of each contract)

7. General character of work performed by your firm.

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8. Have you ever failed to complete any work awarded to you:

Yes \_\_\_\_\_ No \_\_\_\_\_ If so, attach a statement detailing where and why.

9. Have you ever defaulted on a contract:

Yes \_\_\_\_\_ No \_\_\_\_\_ If so, attach a statement detailing where and why.

10. Attach a list of the more important contracts completed by your firm, including kind of work and approximate cost.

11. Attach a statement of your experience in the construction of work similar in scope to this project.

12. Attach statement of background and experience of the principal members of your personnel, including the officers.

13. Additional information may also be submitted if desired.

**Project References**

Below is a listing of the most recent projects of a similar nature to this project which we have completed.

1. Contracting Agency \_\_\_\_\_  
Description of Work \_\_\_\_\_  
Agency Representative \_\_\_\_\_  
Title \_\_\_\_\_ Phone \_\_\_\_\_  
Date of Contract \_\_\_\_\_

2. Contracting Agency \_\_\_\_\_  
Description of Work \_\_\_\_\_  
Agency Representative \_\_\_\_\_  
Title \_\_\_\_\_ Phone \_\_\_\_\_  
Date of Contract \_\_\_\_\_

3. Contracting Agency \_\_\_\_\_  
Description of Work \_\_\_\_\_  
Agency Representative \_\_\_\_\_  
Title \_\_\_\_\_ Phone \_\_\_\_\_  
Date of Contract \_\_\_\_\_

4. Contracting Agency \_\_\_\_\_  
Description of Work \_\_\_\_\_  
Agency Representative \_\_\_\_\_  
Title \_\_\_\_\_ Phone \_\_\_\_\_  
Date of Contract \_\_\_\_\_

Name of Bidder \_\_\_\_\_

By \_\_\_\_\_

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**Affidavit of Non-Collusion**

**State of** \_\_\_\_\_

**County of** \_\_\_\_\_

I Hereby swear (or affirm) under the penalty of perjury:

- 1) That I am the bidder (if bidder is an individual), a partner in the bidder (if the bidder is a partnership) or an officer or employee on the bidder corporation having authority to sign on its behalf (if the bidder is a corporation);
- 2) That the attached bid or bids have been arrived at by the bidder individually and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with any other vendor of materials, supplies, equipment or services described in the invitation to bid designed to limit individual bidding or competition;
- 3) That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids, and will not be communicated to any such persons, prior to any official opening of the bid or bids; and
- 4) That I have fully informed myself regarding the accuracy of the statements made in this affidavit.

Subscribed and sworn to before this

\_\_\_\_\_ day of \_\_\_\_\_, 2011

\_\_\_\_\_  
Notary

\_\_\_\_\_  
Bidder's Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company

(Seal)

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## **Agreement Forms**

### Contract Forms

The “Contract for Purchase of Services” will serve as the base contract.

This form is bound herein, immediately following this section. Successful bidders shall execute Contract within 15 days of receipt of same, along with copies of required bonds and policies or certificates of insurance.

### Bonds and Certificates

Performance and Payment Bonds - Submit Performance Bond and Payment Bond on AIA Document 312 Performance Bond or Payment Bond OR on forms provided by the Surety.

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**CONTRACT FOR PURCHASE OF SERVICES**

Between the County of Chippewa and \_\_\_\_\_

1. **PARTIES.**

This is a contract between the County of Chippewa, Wisconsin, hereafter referred to as the "County" and \_\_\_\_\_, hereafter referred to as "Contractor."

2. **PURPOSE.**

The purpose of this contract is as set forth in Section 3.

3. **SCOPE OF SERVICES AND SCHEDULE OF PAYMENTS.**

Contractor shall be responsible to complete services as outlined in contractor's attached accepted proposal and as set forth in Attachment No. 1.

The payment for services will be made in \_\_\_\_\_ payment(s) from County to Contractor within 30 days after Contractor has successfully performed the contract and pursuant to Section 8. E.

4. **TERM AND EFFECTIVE DATE.**

This contract shall become effective upon execution by the County Administrator on behalf of the County, unless another effective date is specified in the Attachment(s) incorporated in Section 3, however in no case shall work commence before execution by the County. The contract shall be completed by \_\_\_\_\_.

5. **ENTIRE AGREEMENT.**

The entire agreement of the parties is contained herein and this contract supersedes any and all oral contracts and negotiations between the parties.

6. **ASSIGNABILITY/SUBCONTRACTING.**

Contractor shall not assign or subcontract any interest or obligation under this contract without the County's prior written approval. All of the services required hereunder will be performed by Contractor and employees of Contractor.

7. **DESIGNATED REPRESENTATIVE.**

Contractor designates \_\_\_\_\_ as Contract Agent with primary responsibility for the performance of this contract. In case this Contract Agent is replaced by another for any reason, the Contractor will designate another Contract Agent within seven (7) calendar days and provide notice to County of replacement pursuant to the procedure set forth in Section 15, Notices.

8. **PROSECUTION AND PROGRESS.**

A. Services under this agreement shall commence upon written order from the County to the Contractor, which order will constitute authorization to proceed; unless another date for commencement is specified elsewhere in this Contract including documents incorporated in Section 3.

B. Services by the Contractor shall proceed continuously and expeditiously through completion of each phase of the work.

- C. Progress reports documenting the extent of completed services shall be prepared by the Contractor and submitted to the County with each invoice under Section 23 of this agreement, and at such other times as the County may specify, unless another procedure is specified in Section 3.
- D. The Contractor shall notify the County when the Contractor has determined that the services under this agreement have been completed.

9. **AMENDMENT.**

This contract shall be binding on the parties hereto, their respective heirs, devisees, and successors, and cannot be varied or waived by any oral representations or promise of any agent or other person of the parties hereto. Additional services must be agreed to by both parties with proper notification.

10. **EXTRA SERVICES.**

The County may require the Contractor to perform extra services or decreased services, according to the procedure set forth in Section 24. Extra services or decreased services means services which are not different in kind or nature from the services called for in the Scope of Services, Section 3, but which may increase or decrease the quantity and kind of labor or materials or expense of performing the services. Extra services may not increase the total contract price, as set forth in Section 23, unless the contract is amended as provided in Section 9 above.

11. **NO WAIVER.**

No failure to exercise, and no delay in exercising, any right, power or remedy hereunder on the part of the County or Contractor shall operate as a waiver thereof, nor shall any single or partial exercise of any right, power or remedy preclude any other or further exercise thereof or the exercise of any other right, power or remedy. No express waiver shall affect any event or default other than the event or default specified in such waiver, and any such waiver, to be effective, must be in writing and shall be operative only for the time and to the extent expressly provided by the County or Contractor therein. A waiver of any covenant, term or condition contained herein shall not be construed as a waiver of any subsequent breach of the same covenant, term or condition.

12. **NON-DISCRIMINATION.**

In the performance of work under this contract, the Contractor agrees not to discriminate against any employee or applicant for employment because of race, religion, marital status, age, color, sex, handicap, national origin or ancestry, income level or source of income, arrest record or conviction record, military service record, physical appearance, sexual orientation, political beliefs or student status. Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex, or national origin.

13. **SEVERABILITY.**

It is mutually agreed that in case any provision of this contract is determined by any court of law to be unconstitutional, illegal or unenforceable, it is the intention of the parties that all other provisions of this contract remain in full force and effect.

14. **NOTICES.**

All notices to be given under the terms of this contract shall be in writing and signed by the person serving the notice and shall be sent registered or certified mail, return receipt requested, postage prepaid, or hand delivered to the addresses of the parties listed below, or as indicated in section ;

FOR THE COUNTY:

\_\_\_\_\_  
Chippewa County Courthouse  
711 N. Bridge Street  
Chippewa Falls, WI 54729

FOR THE CONTRACTOR:

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

15. **STATUS OF CONTRACTOR INDEPENDENT TAX FILING.**

It is agreed that Contractor is an independent Contractor and not an employee of the County, and that any persons who the Contractor utilizes and provides for services under this contract are employees of the Contractor and are not employees of the County.

**Contractor shall provide its taxpayer identification number (or social security number) to the County Finance Division, 711 N. Bridge St., Chippewa Falls, WI 54729 prior to payment.** The Contractor is informed that as an independent Contractor, s/he may have a responsibility to make estimated tax returns, file tax returns, and pay income taxes and make social security payments on the amounts received under this contract and that no amounts will be withheld from payments made to this Contractor for these purposes and that payment of taxes and making social security payments are solely the responsibility and obligation of the Contractor. The Contractor is further informed that s/he may be subject to civil and/or criminal penalties if s/he fails to properly report income and pay taxes and social security taxes on the amount received under this contract.

16. **GOODWILL.**

Any and all goodwill arising out of this contract inures solely to the benefit of the County; Contractor waives all claims to benefit of such goodwill.

17. **THIRD PARTY RIGHTS.**

This contract is intended to be solely between the parties hereto. No part of this contract shall be construed to add, supplement, amend, abridge or repeal existing rights, benefits or privileges of any third party or parties, including but not limited to employees of either of the parties.

18. **AUDIT AND RETAINING OF DOCUMENTS.**

The Contractor agrees to provide all reports requested by the County including, but not limited to, financial statements and reports, reports and accounting of services rendered, and any other reports or documents requested. Financial and service reports shall be provided according to a schedule (when applicable) to be included in this contract. Any other reports or documents shall be provided within five (5) working days after the Contractor receives the County's written requests, unless the parties agree in writing on a longer period. Payroll records and any other

documents relating to the performance of services under the terms of this Contract shall be retained by the Contractor for a period of three (3) years after completion of all work under this contract, in order to be available for audit by the County or its designee.

19. **CHOICE OF LAW AND FORUM SELECTION.**

This contract shall be governed by and construed, interpreted and enforced in accordance with the laws of the State of Wisconsin. The parties agree, for any claim or suit or other dispute relating to this Contract that cannot be mutually resolved, the venue shall be in the Circuit Court of Chippewa County, a court of competent jurisdiction within the State of Wisconsin and the parties agree to submit themselves to the jurisdiction of said court, to the exclusion of any other judicial district that may have jurisdiction over such a dispute according to any law.

20. **COMPLIANCE WITH APPLICABLE LAWS.**

The Contractor shall become familiar with, and shall at all times comply with and observe all federal, state, and local laws, ordinances, and regulations which in any manner affect the services or conduct of the Contractor and its agents and employees.

The Contractor shall obtain all required permits.

21. **CONFLICT OF INTEREST.**

A. The Contractor warrants that it and its agents and employees have no public or private interest, and will not acquire directly or indirectly any such interest, which would conflict in any manner with the performance of the services under this agreement.

B. The Contractor shall not employ or contract with any person currently employed by the County for any services included under the provisions of this agreement.

22. **COMPENSATION.**

It is expressly understood and agreed that in no event will the total compensation for services under this contract exceed \_\_\_\_\_, unless amended as such via Article 9 & Article 10.

23. **BASIS FOR PAYMENT.**

A. **GENERAL**

(1) The County will pay the Contractor for the completed and accepted services rendered under this contract on the basis and at the contract price set forth in Section 22 of this contract. The County will pay the Contractor for completed and approved "extra services", if any, if such "extra services" are authorized according to the procedure established in this section. The rate of payment for any compensated "extra services" shall be agreed upon by the parties. Such payment shall be full compensation for services rendered and for all labor, material, supplies, equipment and incidentals necessary to complete the services.

(2) The Contractor shall submit invoices, on the form or format approved by the County, specified in the Scope of Services, Section 3 of this contract. The County will pay the Contractor in accordance with the schedule set forth in the Scope of Services. The final invoice shall be submitted to the County within three months of completion of services under this agreement.

- (3) Payment shall not be construed as County acceptance of unsatisfactory or defective services or improper materials. Unsatisfactory work must be corrected to the County's satisfaction in order for contractor to receive final and complete payment.
- (4) Final payment of any balance due the Contractor will be made upon acceptance by the County of the services under the agreement and upon receipt by the County of documents required to be returned or to be furnished by the Contractor under this agreement.
- (5) The County has the equitable right to set off against any sum due and payable to the Contractor under this agreement, any amount the County determines the Contractor owes the County, whether arising under this agreement or under any other agreement or otherwise.
- (6) Compensation in excess of the total contract price will not be allowed unless authorized by an amendment under Section 9, AMENDMENT.
- (7) The County will not compensate for unsatisfactory performance by the Contractor.

**B. SERVICE ORDERS, EXTRA SERVICE, OR DECREASED SERVICE.**

- (1) Written orders regarding the services, including extra services or decreased services, will be given by the County, using the procedure set forth in Section 14, NOTICES.
- (2) The County may, by written order, request extra services or decreased services, as defined in Section 10 of this contract. Unless the Contractor believes the extra services entitle it to extra compensation or additional time, the Contractor shall proceed to furnish the necessary labor, materials, and professional services to complete the services within the time limits specified in the Scope of Services, Section 3 of this agreement, including any amendments under Section 9 of this agreement.
- (3) If in the Contractor's opinion the order for extra service would entitle it to extra compensation or extra time, or both, the Contractor shall not proceed to carry out the extra service, but shall notify the County, pursuant to Section 14 of this agreement. The notification shall include the justification for the claim for extra compensation or extra time, or both, and the amount of additional fee or time requested.
- (4) The County shall review the Contractor's submittal and respond in writing, either authorizing the Contractor to perform the extra service, or refusing to authorize it. The Contractor shall not receive additional compensation or time unless the extra compensation is authorized by the County in writing.

24. **DEFAULT TERMINATION.**

- A. In the event Contractor shall default in any of the covenants, agreements, commitments, or conditions herein contained, and any such default shall continue unremedied for a period of ten (10) days after written notice thereof to Contractor, the County may, at its option and in addition to all other rights and remedies which it may have at law or in equity against Contractor, including expressly the specific enforcement hereof, forthwith have the cumulative right to immediately terminate this contract and all rights of Contractor under this contract.
- B. Notwithstanding paragraph A., above, the County may in its sole discretion and without any reason terminate this agreement at any time by furnishing the Contractor with ten (10) days' written notice of termination. In the event of termination under this subsection, the County will pay for all work completed by the Contractor and accepted by the County.

25. **INDEMNIFICATION.** To the fullest extent allowable by law, Contracting Party hereby indemnifies and shall defend and hold harmless, at Contracting Party's expense, Chippewa, its elected and appointed officials, committee members, officers, employees or authorized representatives or volunteers, from and against any and all suits, actions, legal or administrative proceedings, claims, demands, damages, liabilities, losses, interest, attorney's fees (including in-house counsel legal fees), costs and expenses of whatsoever kind, character or nature whether arising before, during, or after completion of the Agreement hereunder and in any manner directly or indirectly caused or contributed to in whole or in part, by reason of any act, omission, fault, or negligence, whether active or passive of Contracting Party, or of anyone acting under its direction or control or on its behalf in connection with or incident to the performance of this Agreement, regardless if liability without fault is sought to be imposed on Chippewa. Contracting Party's aforesaid indemnity and hold harmless agreement shall not be applicable to any liability caused by the willful misconduct of Chippewa, its elected and appointed officials, officers, employees or authorized representatives or volunteers. Nothing in this Agreement shall be construed as Chippewa waiving its statutory limitation and/or immunities as set forth in the applicable Wisconsin Statutes or other applicable law. This indemnity provision shall survive the termination or expiration of this Agreement.

Contracting Party shall reimburse Chippewa, its elected and appointed officials, officers, employees or authorized representatives or volunteers for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. Contracting Party's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by Chippewa, its elected and appointed officials, officers, employees or authorized representatives or volunteers.

26. **INSURANCE.**

The Contractor will insure, and will require each subcontractor to insure, as indicated, against the following risks to the extent stated below. The Contractor shall not commence work under this Contract, nor shall the Contractor allow any Subcontractor to commence work on its Subcontract, until the insurance required below (unless determined to be inapplicable by the Risk-Purchasing Manager) has been obtained and corresponding certificate(s) of insurance have been approved by the County Risk-Purchasing Manager.

#### Commercial General Liability

The Contractor shall procure and maintain during the life of this contract, Commercial General Liability insurance including, but not limited to bodily injury, property damage, personal injury, and products and completed operations in an amount not less than \$1,000,000 per occurrence. This policy shall also provide contractual liability in the same amount. Contractor's coverage shall be primary and list Chippewa County, its officers, officials, agents and employees as additional insureds. Contractor shall require all subcontractors under this Contract (if any) to procure and maintain insurance meeting the above criteria, applying on a primary basis and listing Chippewa County, its officers, officials, agents and employees as additional insureds.

#### Automobile Liability

The Contractor shall procure and maintain during the life of this contract Business Automobile Liability insurance covering owned, non-owned and hired automobiles with limits of not less than \$1,000,000 combined single limit per accident. Contractor shall require all subcontractors under this Contract (if any) to procure and maintain insurance covering each subcontractor and meeting the above criteria.

#### Worker's Compensation

The Contractor shall procure and maintain during the life of this contract statutory Workers' Compensation insurance as required by the State of Wisconsin. Contractor shall require all subcontractors under this Contract (if any) to procure and maintain such insurance, covering each subcontractor.

#### Professional Liability

The Contractor shall procure and maintain professional liability insurance with coverage of not less than \$1,000,000. If such policy is a "claims made" policy, all renewals thereof during the life of the contract shall include "prior acts coverage" covering at all times all claims made with respect to Contractor's work performed under the contract. This Professional Liability coverage must be kept in force for a period of six (6) years after the services have been accepted by the County.

#### **Acceptability of Insurers.**

The above-required insurance is to be placed with insurers who have an A.M. Best rating of no less than A- (A minus) and a Financial Category rating of no less than VII.

#### **Proof of Insurance, Approval.**

The Contractor shall provide the County with certificate(s) of insurance showing the type, amount, class of operations covered, effective dates, and expiration dates of required policies prior to commencing work under this Contract. Contractor shall provide the certificate(s) to the County's representative upon execution of the contract, or sooner, for approval by the County Risk-Purchasing Manager. The Contractor shall provide copies of additional insured endorsements or insurance policies, if requested by the County Risk-Purchasing Manager.

The Contractor and/or Insurer shall give the County thirty (30) days advance written notice of cancellation, non-renewal or material changes to any of the above-required policies during the term of this Contract.

27. **OWNERSHIP OF CONTRACT PRODUCT.**

All of the work product, including, but not limited to, documents, materials, files, reports, data, including magnetic tapes, disks of computer-aided designs or other electronically stored data or information (the "Documents"), which the Contractor prepares pursuant to the terms and conditions of this contract are the sole property of the County. The Contractor will not publish any such materials or use them for any research or publication, other than as expressly required or permitted by this contract, without the prior written permission of the County. The grant or denial of such permission shall be at the County's sole discretion.

The Contractor intends that the copyright to the Documents shall be owned by County, whether as author (as a Work Made For Hire), or by assignment from Contractor to County. The parties expressly agree that the Documents shall be considered a Work Made For Hire as defined by Title 17, United States Code, Section 101(2).

As further consideration for the County entering into this contract, the Contractor hereby assigns to County all of the Contractor's rights, title, interest and ownership in the Documents, including the right to procure the copyright therein and the right to secure any renewals, reissues and extensions of any such copyright in any foreign country. The County shall be entitled to the sole and exclusive benefit of the Documents, including the copyright thereto, and whenever required by the County, the Contractor shall at no additional compensation, execute all documents of assignment of 'the full and exclusive benefit and copyright thereof to the County. Any subcontractors and other independent Contractors who prepare portions of the Documents shall be required by the Contractor to execute an assignment of ownership in favor of the County before commencing work.

28. **AUTHORITY.**

Contractor represents that it has the authority to enter into this Contract. If the Contractor is not an individual, the person signing on behalf of the Contractor represents and warrants that he or she has been duly authorized to bind the Contractor and sign this Contract on the Contractor's behalf. IN WITNESS WHEREOF, the parties hereto have set their hands at Chippewa Falls, Wisconsin.

**CONTRACTOR**

\_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Witness)

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

\_\_\_\_\_  
(Print Name and Title of Person Signing)

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

**Chippewa County**  
**a municipal corporation**

By: \_\_\_\_\_

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

## **General Conditions**

### General Conditions

See "Contract for Purchase of Services"

## General Requirements

### Summary of Work

Contractor shall furnish all necessary labor, materials and equipment to fully complete the Work, per the Drawings and Project Manual.

- Project will be completed no later than March 23, 2011. Bidder shall prepare a working schedule from start to finish and proposed start and finish times shall be indicated in the Bid Form.

### Alternate

- N/A

## **Administrative Requirements**

### Coordination:

Coordinate use of the premises under the direction of Owner contact identified in Contract.

Coordinate scheduling, submittals and Work to ensure efficient and orderly sequence of construction and coordination with on going projects outlined in Summary of Work.

Supervise and direct the Work. Employ and maintain a full time, qualified supervisor or superintendent to act as Contractor's representative at the Site.

Enforce good order and conduct. Require installer to inspect conditions under which Work is to be performed.

Recheck measurements and dimensions of the Work.

Supervise performance of the Work to ensure that none of the Work, whether completed or in progress, will be subjected to harmful, dangerous, damaging or otherwise deleterious exposure during the construction period. Clean and perform maintenance as frequently as necessary throughout the construction period.

Coordinate completion and clean up of Work.

### Submittal Procedures:

Provide listing of Contractor's principal staff assignments, including name, home and work telephone numbers.

Provide supervisor's or superintendent's name, home and work telephone numbers.

Provide names, telephone numbers, and limits of authority of each individual authorized to sign change orders, field modifications, and pay requests for Contractor.

Submit a list of subcontractors who will provide Work on the Project. The submittal list shall include: Name of Subcontractor, Address, Type of work to be provided; Contact list for administrative and supervisory personnel.

Submit MSDS to the Site on all products with chemical emissions to be used in Work on the Project.

### Project Meeting(s)

Scheduled by Owner at the site after Notice of Award, and prior to commencement of construction for:

- 1) Execution of Owner-Contractor agreement and exchange of preliminary submittals if not previously completed.
- 2) Clarification of Owner and Contractor responsibilities in use of the Site and review of administrative procedures.

### Temporary Facilities and Controls

Contractor will provide all required materials and equipment for temporary services and facilities

Locate temporary utilities where they will serve Project and result in minimum interference with performance of Work.

Coordinate with Utility Companies:

Determine requirements, time constraints, etc. for installing temporary service to the Site or to make connections to existing service.

Arrange with Utility companies for service interruption, where necessary, to make connections for temporary services.

Provide a weatherproof, grounded temporary electric power service and distribution system of sufficient size, capacity, and power characteristic to accommodate performance of Work.

Owner shall pay for electricity used for construction purposes.

Use only grounded extension cords. Use "hard service" cords where exposed to abrasion and traffic. Use single lengths or waterproof connectors to connect separate lengths of electric cords.

Install and operate temporary lighting that will fulfill security and protection requirements, without the necessity of operating entire temporary lighting systems.

Contractor shall maintain and pay for any telephone (landline or cell phone) on site. At each telephone location post a list of important numbers including:

- 1) Local police and fire departments
- 2) Doctor
- 3) Ambulance Service
- 4) Contractor's Office
- 5) Subcontractor's Offices

Enforce strict discipline in use of temporary services and facilities at the Site.

- Limit availability of temporary services and facilities to essential and intended uses to minimize waste and abuse.
- Do not permit temporary installations to be abused or endangered.
- Do not allow hazardous, dangerous, or unsanitary conditions to develop or persist on Site.

At Substantial Completion, clean and renovate permanent services and facilities that have been used to provide temporary services and facilities during construction.

### Traffic Control and Project Signs

Contractor shall comply with all City of Chippewa Falls ordinances and municipal codes pertaining to driveway construction.

Contractor shall provide for adequate and appropriate project signs to provide for a safe work site.

## Execution and Closeout Requirements

Before requesting final inspection for determining date of Final Completion, complete the following:

1. Submittals:
  - a. Lien Waivers (from all subcontractors and suppliers).
  - b. Consent of Surety (if Performance Bond provided).
  - c. Assurance that unsettled claims will be settled.
  - d. Proof that fees and similar obligations have been paid.
  - e. Evidence of final, continuing insurance coverage complying with insurance requirements.
  - f. Certified copy of Owner's final punch list of itemized work to be completed or corrected, stating that each item has been completed or otherwise resolved for acceptance and has been endorsed and dated by Owner.
  
2. Final Payment Request
  - a. Updated final statement, accounting for final additional changes to Contract Sum
  - b. Final liquidated damages settlement statement, acceptable to Owner.
  
3. Final Cleaning
  - a. Conduct cleaning and waste removal operations to comply with local laws and ordinances, and federal and local environmental and antipollution regulations.
  - b. Comply with safety standards for cleaning
  - c. Remove waste from Site and dispose of lawfully.
  - d. Clean Site, yard and grounds in areas disturbed by construction activities, including landscape development areas, of rubbish, waster material, litter, and other foreign substances.

Submit final payment request to contact person as outlined in "Contract for Purchase of Services" for payment.

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**PREVAILING WAGE RATE DETERMINATION**

Issued by the State of Wisconsin  
Department of Workforce Development  
Pursuant to s. 66.0903, Wis. Stats.  
Issued On: 11/11/2011

**DETERMINATION NUMBER:** 201103281

**EXPIRATION DATE:** Prime Contracts MUST Be Awarded or Negotiated On Or Before 5/9/2012. If NOT, You MUST Reapply.

**PROJECT NAME:** PUBLIC HEALTH DEPARTMENT RELOCATION CHIPPEWA COUNTY COURTHOUSE  
PROJECT NO: 2011-014

**PROJECT LOCATION:** CHIPPEWA FALLS CITY, CHIPPEWA COUNTY, WI

**CONTRACTING AGENCY:** LIEN & PETERSON ARCHITECTS  
**LOCAL GOVTL UNIT:** CHIPPEWA COUNTY

<b>CLASSIFICATION:</b>	Contractors are responsible for correctly classifying their workers. Either call the Department of Workforce Development (DWD) with trade or classification questions or consult DWD's Dictionary of Occupational Classifications & Work Descriptions on the DWD website at: <a href="http://dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm">dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm</a> .
<b>OVERTIME:</b>	Time and one-half must be paid for all hours worked: <ul style="list-style-type: none"><li>- over 10 hours per day on prevailing wage projects</li><li>- over 40 hours per calendar week</li><li>- Saturday and Sunday</li><li>- on all of the following holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25;</li><li>- The day before if January 1, July 4 or December 25 falls on a Saturday;</li><li>- The day following if January 1, July 4 or December 25 falls on a Sunday.</li></ul>
<b>FUTURE INCREASE:</b>	When a specific trade or occupation requires a future increase, you MUST add the full hourly increase to the "TOTAL" on the effective date(s) indicated for the specific trade or occupation.
<b>PREMIUM PAY:</b>	If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.
<b>APPRENTICES:</b>	Pay apprentices a percentage of the applicable journey person's hourly basic rate of pay and hourly fringe benefit contributions specified in this determination. Obtain the appropriate percentage from each apprentice's contract or indenture.
<b>SUBJOURNEY:</b>	Subjourney wage rates may be available for some of the trades or occupations indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer interested in using a subjourney classification on this project MUST complete Form ERD-10880 and request the applicable wage rate from the Department of Workforce Development PRIOR to using the subjourney worker on this project.

This document **MUST BE POSTED** by the **CONTRACTING AGENCY** in at least one conspicuous and easily accessible place **on the site of the project**. A local governmental unit may post this document at the place normally used to post public notices if there is no common site on the project. This document **MUST** remain posted during the entire time any worker is employed on the project and **MUST** be physically incorporated into the specifications and all contracts and subcontracts. If you have any questions, please write to the Equal Rights Division, Labor Standards Bureau, P.O. Box 8928, Madison, Wisconsin 53708 or call (608) 266-6861.

**The following statutory provisions apply to local governmental unit projects of public works and are set forth below pursuant to the requirements of s. 66.0903(8), Stats.**

**s. 66.0903 (1) (f) & s. 103.49 (1) (c) "PREVAILING HOURS OF LABOR"** for any trade or occupation in any area means 10 hours per day and 40 hours per week and may not include any hours worked on a Saturday or Sunday or on any of the following holidays:

1. January 1.
2. The last Monday in May.
3. July 4.
4. The first Monday in September.
5. The 4th Thursday in November.
6. December 25.
7. The day before if January 1, July 4 or December 25 falls on a Saturday.
8. The day following if January 1, July 4 or December 25 falls on a Sunday.

**s. 66.0903 (10) RECORDS; INSPECTION; ENFORCEMENT.**

(a) Each contractor, subcontractor, or contractor's or subcontractor's agent performing work on a project of public works that is subject to this section shall keep full and accurate records clearly indicating the name and trade or occupation of every person performing the work described in sub. (4) and an accurate record of the number of hours worked by each of those persons and the actual wages paid for the hours worked.

**s. 66.0903 (11) LIABILITY AND PENALTIES.**

(a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.

2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.

3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.

5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

<b>BUILDING OR HEAVY CONSTRUCTION</b>
---------------------------------------

Includes sheltered enclosures with walk-in access for the purpose of housing persons, employees, machinery, equipment or supplies and non-sheltered work such as canals, dams, dikes, reservoirs, storage tanks, etc. A sheltered enclosure need not be "habitable" in order to be considered a building. The installation of machinery and/or equipment, both above and below grade level, does not change a project's character as a building. On-site grading, utility work and landscaping are included within this definition. Residential buildings of four (4) stories or less, agricultural buildings, parking lots and driveways are NOT included within this definition.

<b>SKILLED TRADES</b>
-----------------------

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
101	Acoustic Ceiling Tile Installer	32.59	13.78	46.37
102	Boilermaker	31.09	23.75	54.84
103	Bricklayer, Blocklayer or Stonemason	30.82	16.37	47.19
104	Cabinet Installer	28.31	14.91	43.22
105	Carpenter	28.31	14.91	43.22
106	Carpet Layer or Soft Floor Coverer	30.06	15.38	45.44
107	Cement Finisher	30.82	16.37	47.19
108	Drywall Taper or Finisher	26.25	2.40	28.65
109	Electrician	28.74	17.86	46.60
110	Elevator Constructor	39.58	18.47	58.05
111	Fence Erector	22.50	3.65	26.15
112	Fire Sprinkler Fitter	36.39	16.87	53.26
113	Glazier	27.14	13.01	40.15
114	Heat or Frost Insulator	18.50	6.11	24.61
115	Insulator (Batt or Blown)	15.00	0.99	15.99
116	Ironworker Future Increase(s): Add \$.30/hr on 5/1/2011; Add \$.95/hr. on 5/1/2012	33.80	20.37	54.17
117	Lather	28.31	14.91	43.22
118	Line Constructor (Electrical)	35.26	16.06	51.32
119	Marble Finisher	29.40	14.31	43.71
120	Marble Mason	29.82	15.42	45.24
121	Metal Building Erector	16.82	5.48	22.30
122	Millwright	29.91	14.91	44.82

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
123	Overhead Door Installer	17.25	3.00	20.25
124	Painter	21.50	9.58	31.08
125	Pavement Marking Operator	25.65	13.10	38.75
126	Piledriver Future Increase(s): Add \$2.65/hr on 6/6/11. Premium Increase(s): Add \$.65/hr for Piledriver Loftsmen; Add \$.75/hr for Sheet Piling Loftsmen.	28.11	23.76	51.87
127	Pipeline Fuser or Welder (Gas or Utility)	34.50	17.58	52.08
129	Plasterer	20.00	0.00	20.00
130	Plumber Future Increase(s): 5/30/2011 Add \$1.25	32.59	14.93	47.52
132	Refrigeration Mechanic Future Increase(s): Add \$1.25 on 05/30/2011	32.59	14.93	47.52
133	Roofer or Waterproofer	22.95	10.62	33.57
134	Sheet Metal Worker Future Increase(s): Add \$1.25/hr on 5/29/2011.	27.64	19.34	46.98
135	Steamfitter	32.59	14.93	47.52
137	Teledata Technician or Installer	24.09	8.16	32.25
138	Temperature Control Installer	32.58	13.78	46.36
139	Terrazzo Finisher	29.40	14.31	43.71
140	Terrazzo Mechanic	29.40	14.31	43.71
141	Tile Finisher	21.40	1.50	22.90
142	Tile Setter	30.07	9.73	39.80
143	Tuckpointer, Caulker or Cleaner	18.90	18.80	37.70
144	Underwater Diver (Except on Great Lakes)	32.31	14.91	47.22
146	Well Driller or Pump Installer Future Increase(s): Add \$1.60/hr on 6/1/11. Premium Increase(s): On Sunday & holidays, pay two times the hourly basic rate.	24.22	14.80	39.02
147	Siding Installer	36.60	15.48	52.08

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	26.88	13.71	40.59
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	27.66	0.00	27.66
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.68	1.09	25.77
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.44	0.00	25.44
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	17.41	9.80	27.21

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle	31.32	10.83	42.15
203	Three or More Axle	13.00	0.00	13.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	26.97	13.70	40.67
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	13.00	0.00	13.00

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer Premium Increase(s): Add \$1.00/hr for certified welder and pipelayer; Add \$.25/hr for mason tender.	24.71	12.88	37.59
302	Asbestos Abatement Worker	26.61	10.85	37.46
303	Landscaper	16.70	10.49	27.19
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water) Future Increase(s): Add \$1.00/hr. on 6/1/2011	18.84	11.65	30.49
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	15.50	1.85	17.35
314	Railroad Track Laborer	10.00	0.00	10.00

**HEAVY EQUIPMENT OPERATORS  
SITE PREPARATION, UTILITY OR LANDSCAPING WORK ONLY**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
501	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Milling Machine; Boring Machine (Directional, Horizontal or Vertical); Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Backhoe (Track Type) Having a Mfgr's Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Crane, Shovel, Dragline, Clamshells; Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Grader or Motor Patrol; Master Mechanic; Mechanic or Welder; Robotic Tool Carrier (With or Without Attachments); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Tractor (Scraper, Dozer, Pusher, Loader); Trencher (Wheel Type or Chain Type Having Over 8 Inch Bucket).	30.89	17.50	48.39
502	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Environmental Burner; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Jeep Digger; Screed (Milling Machine); Skid Rig; Straddle Carrier or Travel Lift; Stump Chipper; Trencher (Wheel Type or Chain Type Having 8 Inch Bucket & Under).	22.85	11.95	34.80
503	Air Compressor (&/or 400 CFM or Over); Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Greaser; High Pressure Utility Locating Machine (Daylighting Machine); Mulcher; Oiler; Post Hole Digger or Driver; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	13.50	1.30	14.80
504	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	35.05	18.08	53.13
505	Work Performed on the Great Lakes Including Crane or Backhoe Operator; Assistant Hydraulic Dredge Engineer; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder; 70 Ton & Over Tug Operator. Premium Increase(s): Add \$.50/hr for friction crane, lattice boom or crane certification (CCO). On Sunday & holidays, pay two times the hourly basic rate.	37.45	19.45	56.90

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>				
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		\$	\$	\$
506	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery. Premium Increase(s): On Sunday & holidays, pay two times the hourly basic rate.	33.35	19.33	52.68
507	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	32.20	18.69	50.89

**HEAVY EQUIPMENT OPERATORS  
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>				
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		\$	\$	\$
508	Boring Machine (Directional); Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Premium Increase(s): Add \$.50/hr at 200 ton; Add \$1.00/hr. at 300 ton; Add \$1.50/hr at 400 ton; Add \$2.00/hr at 500 ton. On Sunday & holidays, pay two times the hourly basic rate.	34.62	17.96	52.58
509	Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Boring Machine (Horizontal or Vertical); Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Pile Driver; Versi Lifts, Tri-Lifts & Gantrys (20,000 Lbs. & Over). Premium Increase(s): Add \$.25/hr for cranes with lifting capacity of 45 ton or over. On Sunday & holidays, pay two times the hourly basic rate.	33.62	17.96	51.58

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
510	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. &amp; Under); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb &amp; Gutter Machine; Concrete Spreader &amp; Distributor; Dredge (NOT Performing Work on the Great Lakes); Forklift (Machinery Moving or Steel Erection, 25 Ft &amp; Over); Gradall (Cruz-Aire Type); Hydro-Blaster (10,000 PSI or Over); Milling Machine; Skid Rig; Traveling Crane (Bridge Type).</p> <p>Premium Increase(s): On Sunday &amp; holidays, pay two times the hourly basic rate.</p>	31.89	17.96	49.85
511	<p>Air, Track, Rotary or Percussion Drilling Machine &amp;/or Hammers, Blaster; Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width &amp; Over, or Tractor Mounted, Towed &amp; Light Equipment); Concrete Pump (46 Meter &amp; Under), Concrete Conveyor (Rotec or Bidwell Type); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Environmental Burner; Gantrys (Under 20,000 Lbs.); Grader or Motor Patrol; High Pressure Utility Locating Machine (Daylighting Machine); Manhoist; Material or Stack Hoist; Mechanic or Welder; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tining or Curing Machine; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket).</p> <p>Premium Increase(s): On Sunday &amp; holidays, pay two times the hourly basic rate.</p>	31.89	17.96	49.85
512	<p>Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 84 Ft Total Drum Width &amp; Under, or Tractor Mounted, Towed &amp; Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Fireman (Pile Driver &amp; Derrick NOT Performing Work on the Great Lakes); Grout Pump; Hoist (Tugger, Automatic); Industrial Locomotives; Jeep Digger; Lift Slab Machine; Mulcher; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket &amp; Under); Winches &amp; A-Frames.</p> <p>Premium Increase(s): On Sunday &amp; holidays, pay two times the hourly basic rate.</p>	29.82	17.96	47.78

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
513	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Boatmen (NOT Performing Work on the Great Lakes); Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Elevator; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Forklift; Generator (&/or 150 KW or Over); Greaser; Heaters (Mechanical); Loading Machine (Conveyor); Oiler; Post Hole Digger or Driver; Prestress Machine; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	23.56	16.61	40.17
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment).	34.89	19.68	54.57
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment). Future Increase(s): Add \$1.60/hr on 6/1/2011.	29.27	16.85	46.12
516	Fiber Optic Cable Equipment Future Increase(s): Add \$1.75/hr on 2/1/11.	24.39	15.45	39.84

<b>SEWER, WATER OR TUNNEL CONSTRUCTION</b>
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Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

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**SKILLED TRADES**

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<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		
		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		<b>\$</b>	<b>\$</b>	<b>\$</b>
103	Bricklayer, Blocklayer or Stonemason	29.82	15.42	45.24
105	Carpenter	22.35	4.33	26.68
107	Cement Finisher	24.00	18.63	42.63
109	Electrician	32.53	17.96	50.49
111	Fence Erector	22.50	3.65	26.15
116	Ironworker	31.31	21.79	53.10
118	Line Constructor (Electrical)	35.26	16.06	51.32
125	Pavement Marking Operator	25.65	13.10	38.75
126	Piledriver Future Increase(s): Add \$2.65/hr on 6/6/11. Premium Increase(s): Add \$.65/hr for Piledriver Loftzman; Add \$.75/hr for Sheet Piling Loftzman.	28.11	23.76	51.87
130	Plumber	34.45	15.50	49.95
135	Steamfitter	31.65	15.04	46.69
137	Teledata Technician or Installer	24.09	8.16	32.25
143	Tuckpointer, Caulker or Cleaner	18.90	18.80	37.70
144	Underwater Diver (Except on Great Lakes)	32.31	14.91	47.22
146	Well Driller or Pump Installer	24.22	14.80	39.02
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	26.88	13.71	40.59
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	27.66	0.00	27.66
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.68	1.09	25.77
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.44	0.00	25.44
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	17.41	9.80	27.21

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle	31.32	10.83	42.15
203	Three or More Axle	17.03	12.89	29.92
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Premium Increase(s): On Sunday & holidays, pay two times the hourly basic rate.	31.89	17.96	49.85
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	17.03	12.89	29.92

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer Future Increase(s): Add \$1.45/hr on 6/06/2011 Premium Increase(s): Add \$.20 for blaster, bracer, manhole builder, caulker, bottomman and power tool; Add \$.55 for pipelayer; Add \$1.00 for 0-15 lbs. compressed air; Add \$2.00 for 15-30 lbs. compressed air; Add \$3.00 for over 30 lbs. compressed air.	25.58	12.89	38.47
303	Landscaper	16.70	10.49	27.19
304	Flagperson or Traffic Control Person	21.40	12.40	33.80
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	12.50	0.00	12.50
314	Railroad Track Laborer	10.00	0.00	10.00

**HEAVY EQUIPMENT OPERATORS  
SEWER, WATER OR TUNNEL WORK**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
521	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Master Mechanic; Pile Driver.</p> <p>Future Increase(s): Add \$1.90/hr on 6/6/2011; Add \$2.05/hr on 6/4/2012.</p> <p>Premium Increase(s): Add \$.25/hr for operating tower crane. On Sunday &amp; holidays, pay two times the hourly basic rate except pump/generator operators when employed on non-productive projects.</p>	33.59	17.75	51.34
522	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. &amp; Under); Boring Machine (Directional); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Spreader &amp; Distributor; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. &amp; Under; Dredge (NOT Performing Work on the Great Lakes); Milling Machine; Skid Rig; Telehandler; Traveling Crane (Bridge Type).</p> <p>Premium Increase(s): On Sunday &amp; holidays, pay two times the hourly basic rate.</p>	32.42	17.96	50.38
523	<p>Air Track, Rotary or Percussion Drilling Machine &amp;/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter &amp; Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb &amp; Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket).</p> <p>Premium Increase(s): On Sunday &amp; holidays, pay two times the hourly basic rate.</p>	31.89	17.96	49.85

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
524	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Environmental Burner; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Hoist (Tugger, Automatic); Grout Pump; Jeep Digger; Lift Slab Machine; Mulcher; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Tining or Curing Machine; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames.	30.89	16.90	47.79
525	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.90/hr on 6/6/2011; Add \$2.05/hr on 6/4/2012. Premium Increase(s): Add \$.25/hr for operating tower crane. On Sunday & holidays, pay two times the hourly basic rate except pump/generator operators when employed on non-productive projects.	29.41	17.75	47.16
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler. Future Increase(s): Add \$1.90/hr on 6/6/2011; Add \$2.05/hr on 6/4/2012. Premium Increase(s): Add \$.25/hr for operating tower crane. On Sunday & holidays, pay two times the hourly basic rate except pump/generator operators when employed on non-productive projects.	29.41	17.75	47.16
527	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	35.05	18.08	53.13
528	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	35.05	18.08	53.13
529	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	32.20	18.69	50.89

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530	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under), Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	32.20	18.69	50.89
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<b>LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION</b>
--

Includes roads, streets, alleys, trails, bridges, paths, racetracks, parking lots and driveways (except residential or agricultural), public sidewalks or other similar projects (excluding projects awarded by the Wisconsin Department of Transportation).

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**SKILLED TRADES**

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Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	29.82	15.42	45.24
105	Carpenter	28.31	14.91	43.22
107	Cement Finisher	30.07	14.46	44.53
109	Electrician	28.74	17.86	46.60
111	Fence Erector	22.50	3.65	26.15
116	Ironworker	30.90	17.11	48.01
118	Line Constructor (Electrical)	35.26	16.06	51.32
124	Painter	21.50	9.58	31.08
125	Pavement Marking Operator	23.46	9.45	32.91
126	Piledriver	28.11	21.16	49.27
133	Rofer or Waterproofer	22.95	10.35	33.30
137	Teledata Technician or Installer	24.09	8.16	32.25
143	Tuckpointer, Caulker or Cleaner	18.90	18.80	37.70
144	Underwater Diver (Except on Great Lakes)	32.31	14.91	47.22
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	26.88	13.71	40.59
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	28.21	14.34	42.55
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.68	15.96	40.64
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	22.92	11.87	34.79
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	29.06	15.39	44.45

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**TRUCK DRIVERS**

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Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
201	Single Axle or Two Axle	21.94	12.66	34.60

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
203	Three or More Axle	17.88	0.00	17.88
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Premium Increase(s): On Sunday & holidays, pay two times the hourly basic rate.	31.89	17.96	49.85
205	Pavement Marking Vehicle	20.85	11.02	31.87
206	Shadow or Pilot Vehicle	21.94	12.66	34.60
207	Truck Mechanic	17.88	0.00	17.88

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer	14.23	11.71	25.94
303	Landscaper	24.77	13.15	37.92
304	Flagperson or Traffic Control Person	21.40	10.27	31.67
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	15.50	1.85	17.35
314	Railroad Track Laborer	10.00	0.00	10.00

**HEAVY EQUIPMENT OPERATORS  
CONCRETE PAVEMENT OR BRIDGE WORK**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
541	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	31.97	16.96	48.93

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
542	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. &amp; Under; Crane, Tower Crane Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.</p> <p>Future Increase(s): Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.</p> <p>Premium Increase(s): On Sunday &amp; holidays, pay two times the hourly basic rate. For "Airport Pavement or State Highway Construction" project type only, add \$1.50/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).</p>	32.57	18.10	50.67
543	<p>Air Track, Rotary or Percussion Drilling Machine &amp;/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. &amp; Under); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb &amp; Gutter Machine; Concrete Spreader &amp; Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches &amp; A-Frames.</p> <p>Future Increase(s): Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.</p> <p>Premium Increase(s): On Sunday &amp; holidays, pay two times the hourly basic rate. For "Airport Pavement or State Highway Construction" project type only, add \$1.50/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).</p>	32.07	18.10	50.17

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
544	Backfiller; Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine.	31.32	16.34	47.66
545	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.	29.97	16.72	46.69
546	Fiber Optic Cable Equipment.	22.79	15.30	38.09
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	35.05	18.08	53.13
548	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	35.05	18.08	53.13
549	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or more); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	32.20	18.69	50.89
550	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	32.20	18.69	50.89

**HEAVY EQUIPMENT OPERATORS  
ASPHALT PAVEMENT OR OTHER WORK**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
551	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	31.97	17.35	49.32

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
552	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.	30.42	17.05	47.47
553	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Laser/Screed; Concrete Slipform Placer Curb & Gutter Machine; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames. Future Increase(s): Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): On Sunday & holidays, pay two times the hourly basic rate.	25.00	16.90	41.90
554	Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler. Future Increase(s): Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): On Sunday & holidays, pay two times the hourly basic rate.	25.00	16.90	41.90

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
555	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.95/hr on 6/1/11; Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): On Sunday & holidays, pay two times the hourly basic rate. For "Airport Pavement or State Highway Construction" project type only, add \$1.50/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	31.52	18.10	49.62
556	Fiber Optic Cable Equipment.	22.79	15.30	38.09

\*\*\*\*\* END OF RATES \*\*\*\*\*

Consolidated List of Debarred Contractors  
Prepared and Issued By  
State of Wisconsin  
Department of Workforce Development

September 1, 2011

This list has been prepared in accordance with the provisions of s. 66.0903(12), s. 66.0904(10) and s. 103.49(7), Stats. and Chapter DWD 294 of the Wisconsin Administrative Code. All contractors on this list were found to have committed a "debarable offense" related to certain labor standard provisions determined or established for a state or local public works project or publicly funded private construction project. No state agency, local governmental unit or owner or developer may knowingly solicit bids from, negotiate with or award any contracts to or approve or allow any subcontracts with a debarred contractor, including all divisions, affiliates or other organizational elements of such contractor that are engaged in construction business activities, until the debarment is terminated. The name of each debarred contractor must remain on this list for a period of three (3) years from the termination date indicated below. The contractor is, however, only "debarred" from the "effective date" through the "termination date" indicated for that contractor. Questions regarding this list should be addressed to Julie Eckenwalder, Equal Rights Division, P. O. Box 8928, Madison, WI 53708 or call (608) 266-3148. Deaf, hearing or speech-impaired callers may contact the department by calling its TDD number (608) 264-8752.

<u>Name of Contractor</u>	<u>Address</u>	<u>Effective Date</u>	<u>Termination Date</u>	<u>Cause Code</u>	<u>Date of Violation(s)</u>	<u>Limitations/Deviations</u>
Atkins, Scott	See, Freedom Insulation, Inc.					
Custom Heating & Air LLC	283 Tony Lane Green Bay, WI 54304	12/1/06	11/30/09	1, 2 and 4	2003- 2004	None
Freedom Insulation, Inc.	117925 219 <sup>th</sup> Ave Chippewa Falls, WI 54729	9/1/2011	8/31/14	1	2008- 2010	None
Joseph Stoller Company	N8426 Hwy 42 Algoma, WI 54201	2/1/2007	1/31/10	1 and 2	2004 and 2005	None
Keiver, David	See, Custom Heating & Air LLC	12/1/06	11/30/09	1, 2 and 4	2003 and 2004	None
Ofstie, Darin	See, Precision Excavating and Grading, LLC					
Precision Excavating and Grading, LLC or Precision Excavating Enterprises, LLC	2104 Pierce Saint Croix Rd Baldwin, WI 54002	5/1/11	4/30/14	1, 2 and 4	2006- 2008	None

<u>Name of Contractor</u>	<u>Address</u>	<u>Effective Date</u>	<u>Termination Date</u>	<u>Cause Code</u>	<u>Date of Violation(s)</u>	<u>Limitations/Deviations</u>
Stoller Enterprises LLC	N8426 Hwy 42 Algoma, WI 54201-9552	2/1/2007	1/31/2010	1 and 2	2005 to 2006	None
Stoller, Joseph	See, Joseph Stoller Company					
Stoller, Patrick J.	See, Stoller Enterprises LLC					

Cause Code: 1 = Failure to Pay Straight Time    2 = Failure to Pay Overtime    3 = Kickback    4 = Payroll Records.

1 **SECTION 02 41 13 - SELECTIVE SITE DEMOLITION**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide selective site demolition work as shown and as specified. Applicable provisions of Administrative  
7 Requirements shall govern all work under this section.

8  
9 Demolition work shall consist of complete removal items as designated, including removal of debris from  
10 site and its legal disposal.

11  
12 **Existing Conditions**

13 Visit site and inspect existing conditions.

14  
15 Refer to Advertisement for Bids for pre-bid meeting to review project.

16  
17 **Notification**

18 Notify Owner before demolition begins.

19  
20 **Scheduling**

21 Coordinate work schedule with Owner.

22  
23 **PART 2 PRODUCTS** - Not Applicable

24  
25 **PART 3 EXECUTION**

26  
27 **Dust Barrier**

28 Prior to demolition work, erect dust barriers as required to seal off work area. Barriers shall consist of  
29 wood framework and polyethylene or other suitable materials that will effectively seal workspace to prevent  
30 migration of dust and debris to adjacent occupied spaces.

31  
32 **Protection of Existing Improvements**

33 Provide in-place protection of surfaces, utilities, floors, partitions, ceilings, equipment, and other items that  
34 are not scheduled for demolition.

35  
36 Repair to Owner's satisfaction damage to existing improvements due to excess dust infiltration, abuse,  
37 abrasion, scarring, denting, structural deflection or collapse.

38  
39 **Exits**

40 Keep existing exit ways through building clear at all times.

41  
42 **Salvage**

43 All items indicated for removal shall become property of Contractor and shall be removed from job site  
44 daily, except as noted for reuse, reinstallation, or salvage to Owner.

45  
46 **Debris Removal**

47 Debris, trash, and refuse shall be transported by trucks or other suitable vehicles; do not throw debris from  
48 windows above first floor. Dispose of material in a lawful manner at appropriate sites. Burning of  
49 materials or debris on site will not be allowed.

50  
51 \* \* \*

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1 **SECTION 06 10 00 - ROUGH CARPENTRY**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide rough carpentry work as shown and as specified. Applicable provisions of Administrative  
7 Requirements shall govern all work under this section.

8  
9 **Related Sections**

10 Gypsum Board – 09 29 00

11  
12 **Abbreviations**

13 APA - American Plywood Association.  
14 AWWPA - American Wood Preservers Association.  
15 AWPB - American Wood Preservers Bureau.  
16 SPIB - Southern Pine Inspection Bureau.  
17 WCLIB - West Coast Lumber Inspection Bureau.  
18 WWPA - Western Wood Products Association.

19  
20 **Delivery and Storage**

21 Keep carpentry materials dry during delivery. Store lumber and plywood in stacks with provisions for air  
22 circulation within stacks. Protect bottom of stacks against contact with damp or wet surfaces. Protect  
23 exposed materials against weather. Do not store dressed or treated lumber or plywood outdoors. Replace  
24 damaged materials.

25  
26 **Codes and Standards**

27 Factory-mark each piece of lumber and plywood to identify the type, grade, inspection agency, producing  
28 mill and other qualities as specified.

29  
30 **Coordination**

31 Obtain measurements and verify dimensions shown and shop drawing details before proceeding with  
32 carpentry work, wherever possible. Correlate location of furring, nailers, blocking, grounds and similar  
33 supports so that attached work will comply with design requirements. Fit carpentry work to other work.  
34 Scribe and cope as required for accurate fit.

35  
36 Time delivery and installation of carpentry work to avoid delaying other trades whose work is dependent on  
37 or affected by the carpentry work and to comply with protection and storage requirements.

38  
39 Materials and installation requirements for other work, commonly assigned to carpentry trade, are specified  
40 in other sections of these specifications. Contractor is responsible for assignment of such other work to  
41 proper trade.

42  
43 **PART 2 PRODUCTS**

44  
45 **Size and Shapes**

46 Nominal sizes shown and specified refer to undressed lumber dimensions. Dress lumber four (4) sides  
47 (S4S) unless otherwise shown or specified, and work to shapes and patterns shown. Detailed dimensions  
48 show actual sizes required.

49  
50 **Lumber**

51 Non-load bearing members - No. 2 or better Spruce-Pine-Fir (SPF).

52  
53 Maintain 19% maximum moisture content for all pieces of construction lumber.

1  
2 Wood for support or attachment of other work, such as cant strips, bucks, nailers, blocking, furring,  
3 grounds, stripping and similar members: No. 2 Common Grade of any WWPA or Western Spruce-Pine-Fir  
4 (SPF).

5  
6 **Plywood**

7 Plywood underlayment and exposed on the interior other than in cabinetry shall be interior type plywood A  
8 grade on exposed face, D grade on concealed face, in accordance with the requirements of the American  
9 Plywood Association.

10  
11 Backing Panel: Fire retardant treated standard grade, INT APA, exterior glue.

12  
13 **Adhesives**

14 Construction adhesive conforming to FHA Use of Materials Bulletin No. 60 and to APA Specification  
15 AFG-01. Miracle SFA-66 Subfloor Adhesive or equal.

16  
17 **Anchorage and Fastening material**

18 Provide and install all rough hardware and metal fasteners as shown on the drawings, specified herein, or as  
19 required for proper installation of carpentry, millwork, and doors. Nails, spikes, screws, bolts, and similar  
20 items shall be of sizes to rigidly secure members in place.

21  
22 Where rough carpentry wood is exposed to weather, in ground contact, or in areas of high humidity, provide  
23 hot-dip galvanized hardware (ASTM A153).

24  
25 **PART 3 EXECUTION**

26  
27 **Workmanship**

28 Carpentry work shall be performed by skilled mechanics. Rough framing lumber shall be installed level,  
29 true and plumb. Notches, cuts, holes, and other fabrication of the framing lumber shall be made clean, even  
30 and true. Before framing lumber is installed, it should be inspected by the carpenter installing it; defects  
31 that might impair quality or safety shall be rejected.

32  
33 Carpentry exposed to view shall comply with workmanship standards of 06 20 00.

34  
35 **Installation**

36 Use only sound, thoroughly seasoned well-manufactured materials of the longest practical lengths and sizes  
37 to minimize jointing.

38  
39 Use materials free from warp, which cannot be easily corrected by anchoring and attachment. Sort out and  
40 discard warped material and material with other defects which would impair the quality of the work.

41  
42 Securely attach carpentry work to substrates by anchoring and fastening as shown. Provide washers under  
43 bolt heads and nuts in contact with wood. Nail plywood to comply with the recommendations of the  
44 American Plywood Association. Countersink nail heads on exposed carpentry work and fill holes.

45  
46 Set carpentry work accurately to required levels and lines with members plumb and true and accurately cut  
47 and fitted. Shim with metal or slate for full bearing on concrete or masonry substrates.

48  
49 Furnish and erect all necessary grounds for the installation of other equipment that may be required to  
50 properly complete the work. Cooperate and discuss with the other contractors on the job their needs for  
51 grounds and furring.

52  
53 \* \* \*

1 **SECTION 06 20 00 - FINISH CARPENTRY**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide finish carpentry work as shown and specified. Applicable provisions of Administrative  
7 Requirements shall govern all work under this section.

8  
9 **Related Sections**

10 Rough carpentry – 06 10 00.

11  
12 **Submittals**

13 Submit shop drawings and details for millwork items in accordance with Administrative Requirements.

14  
15 **Quality Assurance**

16 Factory mark each piece of lumber and plywood with type, grade, mill and grading agency identification;  
17 except omit marking from surfaces to receive transparent finish, and submit mill certificate that material has  
18 been inspected and graded in accordance with requirements if it cannot be marked on a concealed surface.

19  
20 Mark each unit of fire retardant treated lumber and plywood with classification marking of Underwriters  
21 Laboratory, Inc., or other testing and inspecting agency acceptable to authorities having jurisdiction. Place  
22 marking on surfaces, which will not be exposed after installation.

23  
24 **Quality Standards**

25 Softwood Lumber Standards: Comply with PS-20 and with applicable grading rules of the respective  
26 grading and inspecting agency for the species and product indicated.

27  
28 Plywood Standard: Comply with PS-1/ANSI A199.1.

29  
30 Hardwood Lumber Standard: Comply with National Hardwood Lumber Association (NHLA) rules.

31  
32 Hardwood Plywood Standard: Comply with PS-51.

33  
34 **Delivery and Storage**

35 Do not deliver lumber or trim until suitable storage is available on site. Take care to avoid moisture build-  
36 up in trim. Stack in accordance with good practice to avoid warp and staining.

37  
38 **PART 2 PRODUCTS**

39  
40 **Lumber**

41 Nominal sizes are indicated, except as shown by detailed dimensions. Provide dressed or worked and  
42 dressed lumber, as applicable, manufactured to actual sizes as required by PS-20 or to actual sizes and  
43 patterns as shown, unless otherwise indicated.

44  
45 Provide seasoned (KD) lumber having a moisture content from time of manufacture until time of installation  
46 not greater than values required by applicable grading rules of respective grading and inspecting agency for  
47 species and product indicated.

48  
49 Provide kiln-dried (KD) hardwood lumber having moisture content from time of manufacture until time of  
50 installation within ranges required in referenced woodworking standard.

51  
52 Lumber for transparent finish (stained or clear): Use pieces made of solid lumber stock.

53

1 **Wood Trim & Frames**

2 Provide lumber complying with the following requirements:

3

4 Trim, interior - Premium grade, plain sawn red oak.

5

6 Mill to shapes indicated.

7

8 **Miscellaneous Hardware**

9 Furnish miscellaneous hardware including but not limited to nails, screws, bolts, toggle bolts, staples,  
10 masonry anchors, and appurtenances.

11

12 **PART 3 EXECUTION**

13

14 **Installation - General**

15 Condition woodwork to average prevailing humidity prior to installation.

16

17 Install carpentry and woodwork plumb, level, true and straight with no distortions. Shim as required using  
18 concealed shims. Where woodwork abuts other finished work, scribe and cut for accurate fit. Before  
19 making cutouts, drill pilot holes at corners.

20

21 Distribute defects (as permitted by specified quality grade to best) to best over-all advantage.

22

23 **Installation - Wood Trim**

24 Install trim in single, unjointed lengths for openings and runs less than 10'. For longer runs, use only one  
25 piece less than 10' in any straight run. Stagger joints in adjacent members. Cope at returns and miter  
26 corners.

27

28 Attach trim securely with uniform joints providing for building movements. Secure woodwork to anchors  
29 or blocking built-in or directly attached to substrates.

30

31 Blind nail where possible. Use fine finishing nails where exposed. Set exposed nail heads for fillings,  
32 except for exterior wood that receives natural finish (if any).

33

34 Clean woodwork and fill nail holes in preparation for finishes specified under Section 09 90 00. Where  
35 woodwork is to receive transparent finish, use matching wood filler.

36

37 **Installation of Casework**

38 Install casework consistent with specified quality grade. Secure to grounds, stripping and blocking with  
39 countersunk, concealed fasteners and blind nailing as required for a complete installation. Accurately fit to  
40 other finished work.

41

42 **Clean-up and Adjustment**

43 Repair defective work. Adjust and lubricate hardware for proper operation. Clean exposed interior and  
44 exterior surfaces. Clean woodwork and touch-up finish as required. Replace damaged areas.

45

46

\* \* \*

1 **SECTION 06 41 16 - PLASTIC LAMINATE CLAD ARCH CABINETS**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide plastic laminate casework and accessories as shown and as specified. Applicable provisions of  
7 Administrative Requirements shall govern all work under this section.

8  
9 Include countertops, back splashes, shelves, filler panels, and scribe pieces for a complete installation.

10  
11 Comply with typical cabinet details as shown on Drawings.

12  
13 **Related Sections**

14 Finish carpentry – 06 20 00.

15 Resilient base – 09 65 13.

16  
17 **Submittals**

18 Submit shop drawings of cabinet work in accordance with Administrative Requirements. Show layout of  
19 items, dimensions, elevations, fastening to other work, anchors, hardware, and other components. Submit  
20 samples of plastic laminate for selection.

21  
22 Submit casework manufacturer's specifications indicating compliance with this section.

23  
24 Submit manufacturer's warranty. Warranty shall indicate commencement date and shall be signed by  
25 manufacturer.

26  
27 **Field Dimensions**

28 Verify dimensions of cabinet locations in building prior to fabrication. Fabricate counter tops for scribe fit.

29  
30 **Delivery, Storage and Handling**

31 Prior to delivery, inspect exposed surfaces for subgrade, defective, machine marked or otherwise damaged  
32 pieces.

33  
34 Deliver to site only when proper storage conditions have been provided. Cabinetwork shall be kept  
35 protected in delivery cartons or covered with polyethylene film until actual time of installation. Store in  
36 areas sufficiently dry and which allow free circulation of air with temperatures between 50 degrees - 75  
37 degrees F.

38  
39 **Warranty**

40 Cabinets shall be warranted by manufacturer for 5 years against defects in materials and workmanship.

41  
42 **PART 2 PRODUCTS**

43  
44 **Acceptable Manufacturers**

45 Drawings and specifications are based upon casework by LSI Corporation of America, Inc., L-44 series and  
46 is specified to establish the standard of quality for this work. Casework by other manufacturers of equal  
47 design, quality of materials, workmanship and function may be considered for approval in accordance with  
48 Administrative Requirements.

49  
50 Manufacturers other than LSI Corp. **DO NOT** have to request prior approval if they meet all of the  
51 specified requirements. Only deviations in the specifications and drawings will be reviewed and if  
52 acceptable, will be acknowledged by addendum.

53

1 **Cabinetry Plastic Laminate**

2 High-pressure plastic laminate for exterior cabinet surfaces shall be V32 grade and shall exceed NEMA  
3 standards for vertical grade.

4  
5 Color will be selected from plastic laminate manufacturer's standard stock textured colors consisting of both  
6 wood grain patterns and solid colors. Four colors will be selected for the project.

7  
8 Direction of wood grain shall be vertical on doors, end panels, and exposed backs; horizontal on drawer  
9 faces aprons, and top rails.

10  
11 Provide putty colored heavy gauge plastic laminate backing sheet with textured surface, meeting NEWA  
12 standards, and of a type and thickness to properly balance face finish.

13  
14 Hardboard. Commercial Standards CS-251 and Fed. Spec. LLL-B-00810, 1/4" thick, tempered, smooth  
15 both sides. Hardboard exposed one side shall be prefinished in putty color to match cabinet interior.  
16 Opposite face prefinished with neutral color balance coating.

17  
18 **Countertop Plastic Laminate**

19 High-pressure plastic laminate for countertops shall be textured finish, 0.050" thickness.

20  
21 Color will be selected from manufacturer's standard stock patterns and solid colors.

22  
23 Provide heavy gauge neutral colored backing sheet for balanced construction.

24  
25 **Pressure Fused Laminate**

26 Thermosetting acid resistant pressure fused laminate, permanently bonded to substrate meeting the  
27 requirements of Fed. Spec. L-P-508, ASTM D1300, U.S. food & Drug 175.300, and NEMA LD3.

28  
29 Pressure fused laminate shall be colorfast and putty in color.

30  
31 **Particleboard**

32 Particleboard shall be of 47 lb. density and balanced construction with moisture content not exceeding 8%.  
33 #-ply particleboard shall exceed the requirements for its type and classification under Commercial Standard  
34 CS-236, Fed. Spec. LLL-B-800, and ASTM D 1037.

35  
36 Particleboard shall meet the following performance requirements:

37	Screw Holding, Face	371 lbs.
38	Modulus of Rupture	2,400 psi.
39	Modulus of Elasticity	450,000 psi.
40	Internal Bond	90 psi.
41	Surface Hardness	900 lbs.

42  
43 **Fiberboard**

44 Multidirectional fiberboard for drawer bodies shall be of uniform density and shall meet the following  
45 minimum requirements:

46	Screw Holding, Face	355 lbs.
47	Screw Holding, Edge	300 lbs.
48	Modulus of Rupture	4,500 psi.
49	Modulus of Elasticity	500,000 psi.
50	Internal Bond	100 psi.

51  
52 **Hardboard**

53 Hardboard shall meet or exceed Commercial Standard CS-251 and Fed. Spec. LLL-B-810 for tempered  
54 hardboard, 1/4" thick, smooth both sides.

- 1 **Edging**  
2 Solid, high impact, purified, color-through, acid resistant, PVC edging, machine applied with hot melt  
3 adhesives, automatically trimmed face, back, and corners for uniform appearance.  
4  
5 Provide PVC flat edging, unless otherwise designated. PVC T-edging will not be acceptable.  
6
- 7 **Hinges**  
8 Heavy duty, five knuckle 2-3/4 inch institutional type hinge. Mill ground, hospital tip, tight pin feature with  
9 all edges eased. Hinge shall be full wrap around type of tempered steel .095" thick. Each hinge to have  
10 minimum seven screws #7, 5/8" FHMS to assure positive door action and alignment.  
11  
12 At manufacturer's option, provide totally concealed hinges of heavy gauge all metal construction, 200,000  
13 open/close cycle test, with hinge manufacturer's lifetime material replacement warranty. 170 deg. swing,  
14 fully adjustable for clockwise, counterclockwise, toe in and out door realignment. Provide base plates to  
15 maintain 1/8" reveals between door/drawers within the same cabinet, and between doors of adjoining  
16 cabinets. Doors shall be self-closing, and fitted with silencer bumpers.  
17  
18 Provide one pair per door to 48 inch height. One and one-half pair over 48 inches in height. Hinge shall  
19 accommodate 13/16" thick laminated door, and allow 270 deg. swing.  
20  
21 Finish shall be LH-301 dull chrome.  
22
- 23 **Pulls**  
24 Recessed plastic.  
25
- 26 **Drawer Slides**  
27 Standard Drawers: LSI Lab Series Slide, LH 375, epoxy powder coated to match drawer body color, with  
28 positive in-stop, out-stop, and out-keeper to maintain drawer in 80% open position. Captive nylon rollers,  
29 both front and rear. Minimum 100 lb. dynamic load rating per pair. Provide adjuster cam to regulate body  
30 side sway.  
31
- 32 **Catches**  
33 LH-340 6lb. magnetic catch for base and wall cabinets. Provide two 6-lb. pull at each tall cabinet door.  
34 Catch housing to be molded in putty color to match cabinet interior.  
35
- 36 **Adjustable Shelf Supports**  
37 LH-354 twin pin design with anti-tip-up shelf restraints for both 3/4" and 1" shelves. Design shall include  
38 keel to retard shelf slideoff, and slot for ability to mechanically attach shelf to clip. Load rating shall be  
39 minimum of 300 lbs. each support without failure. Cabinet interior sides shall be flush, without shelf  
40 system permanent projection.  
41
- 42 **Preformed Grommets**  
43 Provide 2" diameter round plastic grommets for wires. Color to be selected by A/E.  
44
- 45 **Locks**  
46 Dull chrome finish, disc tumbler locks keyed according to owner's instructions.  
47
- 48 **Adjustable shelf Clips**  
49 Heavy duty shelf support clip, molded plastic putty color. Provide shelf support clip with positive locking  
50 pin for back two supports on adjustable open shelves only.

1 **Cabinet Fabrication**

2 Cabinet Sub-Base:

3 Separate and continuous (no cabinet body sides-to-floor), 3/4", water resistant exterior grade  
4 plywood with concealed fastening to cabinet bottom. Ladder type construction, of front, back, and  
5 intermediates, to form a secure and level platform to which cabinets are attached.

6  
7 Cabinet Top and Bottom:

8 Base cabinet bottoms shall be putty colored pressure fused laminated particle board on interior  
9 side, 3/4" thick, with phenolic neutral colored backer sheet on concealed side.

10  
11 Solid sub-top shall be 3/4", putty colored, and furnished for all base cabinets.

12  
13 Exposed body edges shall be flat edge type in color matched laminate or PVC.

14  
15 Cabinet Ends:

16 Putty colored pressure fused laminated particleboard interior side; 3/4" thick, with phenolic neutral  
17 colored back sheet on concealed side. Holes drilled for adjustable shelves shall be 1-1/4" on  
18 center.

19  
20 Exposed exterior cabinet ends shall be laminated with plastic laminate.

21  
22 Exposed edges shall be flat edge type in color matched laminate or PVC.

23  
24 Fixed and Adjustable Shelves:

25 Putty colored pressure fused laminated particleboard two sides. Leading exposed edge of shelves  
26 shall be edged with flat edge type PVC, putty in color.

27  
28 Standard shelving to 36" wide shall be 3/4" thick. Shelving 36" wide and over shall be 1" thick.

29  
30 Cabinet Backs:

31 Standard cabinet back shall be 3/8" thick, prefinished putty, for use on all cabinets with or without  
32 doors. Rear, unexposed, side of back shall receive continuous bead of hot melt adhesive at joint  
33 between back and sides/top/bottom for sealing against moisture and vermin, and to further  
34 contribute to case rigidity.

35  
36 3/4" thick hang rails shall be glued to rear of cabinet back and screwed to cabinet sides. Provide  
37 minimum of 2 at base cabinets.

38  
39 Exposed exterior backs shall be 3/4" particleboard faced with high pressure plastic laminate.

40  
41 Door and Drawer Fronts:

42 Plastic laminated doors and drawer fronts shall be 13/16" thick for all hinged and sliding doors.  
43 Core material shall be 3/4" thick particleboard bonded on exterior with high pressure plastic  
44 laminate and with putty colored heavy gauge balancing sheet on interior face. Drawer fronts and  
45 hinged doors shall overlay the cabinet body. Maintain a maximum 1/8" reveal between pairs of  
46 doors, between door and drawer front, and between multiple drawer fronts within cabinet.

47  
48 Exposed edges shall be LSI Delta Series 3mm thick PVC, color-through. Corners shall be  
49 machine radiused and buffed to a consistent 3mm radius. Both outer and inner edges of edging  
50 shall be machine radiused and buffed for consistent profile.

51  
52 Stile and rail doors shall be 13/16" thick plastic laminate door with 1/4" plate glass, hinged or  
53 sliding as indicated. All exposed lite-opening edges shall be trimmed and glazed with extruded  
54 vinyl glazing bead.

1 Drawers:  
2 Drawer fronts shall be applied to separate drawer body component subfront.  
3  
4 Sides and back of drawers shall be 1/2" thick putty colored pressure fused laminated fiberboard.  
5 Sub-front shall be 5/8" thick of same material. Particleboard drawer construction will not be  
6 accepted.  
7  
8 Exposed top edge shall be flat-edge type PVC, putty in color.  
9  
10 Drawer sides shall be dadoed to receive front and back, machine squared and held under pressure  
11 while hotmelt glued and pinned together.  
12  
13 Drawer bottom shall be putty colored pressure fused laminate surface, 1/4" thick, housed into  
14 front, sides, and back. Underside of drawer shall receive continuous hot melt adhesive at joint  
15 between bottom and back/sides/front for sealing and rigidity. Reinforce drawer bottoms as  
16 required with intermediate spreaders.  
17  
18 All drawers shall have roller guides as specified above.  
19  
20 Vertical and Horizontal Dividers (one of the following):  
21 Tempered hardboard 1/4" thick, smooth both faces. Secured in cabinet with molded plastic clips.  
22  
23 Putty colored pressure fused laminated particleboard 3/4" thickness. Secured in cabinet with  
24 molded plastic clips or dowels. Front edge shall be flat-edge type PVC, putty in color.  
25  
26 Door/Drawer Spreaders:  
27 Minimum 3/4" x 6" x full width putty finished cabinet body spreaders immediately behind all  
28 door/drawer and multiple drawer horizontal joints to maintain exact body dimensions, and close  
29 off reveal. Front edge shall be flat-edge type PVC, color to match cabinet body edge.  
30  
31 **Countertops - General Purpose**  
32 High pressure plastic laminate bonded to particleboard core. Thickness as indicated. Underside shall be  
33 properly balanced with heavy gauge backing sheet.  
34  
35 Edges shall be high pressure plastic laminate to match horizontal surface color or solid red oak hardwood,  
36 as shown on Drawings.  
37  
38 Furnish countertops in design as shown on Drawings. Provide continuous tops for counter type cabinets  
39 fixed in a line.  
40  
41 **Workmanship**  
42 All exposed exterior cabinet surfaces shall be V32 decorative high pressure plastic laminate, color as  
43 selected from casework manufacturer's standards. Laminate surface/backer to core under controlled  
44 conditions, by approved and regulated laminating methods to assure a premium lamination. Natural setting  
45 adhesives that cure through chemical reaction are required. Methods requiring heat are not allowed;  
46 "contact" methods of laminating are not allowed.  
47  
48 Cabinet parts shall be accurately machined and bored for premium grade quality joinery construction  
49 utilizing automatic machinery to insure consistent sizing of modular components.  
50  
51 End panels shall be doweled to receive bottom and top. Back panel shall be fully housed into, and recessed  
52 3/4" from back of cabinet sides, top, and bottom to insure rigidity and a fully closed cabinet.  
53

1 Drawer bottom shall be fully housed into, and recessed up 1/2" from bottom of sides, back, and subfront.  
2 Sides of drawer shall be fully dadoed to receive drawer back, lock en fully to subfront, fastened with glue  
3 and mechanical fasteners.

4

5 3/4" thick hang rails shall be glued to backside and screwed to end panels of all wall, base, and tall cabinets  
6 for extra rigidity and to facilitate installation.

7

8 Rear of cabinet back and underside of drawer bottom joints shall receive a continuous head of hotmelt  
9 adhesive to add to unit body strength and develop moisture and vermin seal.

10

11 All cases shall be square, plumb, and true.

12

13 Casework construction abutting adjacent construction shall have scribe strips allowing accurate field fitting  
14 of mating surfaces.

15

### 16 **PART 3 EXECUTION**

17

#### 18 **Cabinet Installation**

19 Erect casework straight, level and plumb and securely anchor in place. Scribe and closely fit to adjacent  
20 work. Cut and fit work around pipes, ducts, etc. Wall fasteners shall be within cabinet; exposed exterior  
21 fasteners are not permitted.

22

23 Install all items complete and adjust all moving parts to operate properly.

24

25 Leave surfaces clean and free from defects at time of final acceptance.

26

27 Install laminate according to manufacturer's recommendations and leave work free from defects in an  
28 exposed part.

29

#### 30 **Counter tops**

31 Fabricate countertops in strict accordance with the manufacturer's specifications. Countertops shall be  
32 supplied complete with intermediate and end supports fabricated and finished to match the countertop and  
33 all surfaces covered with plastic laminate or stainless steel as shown. Supply all clip angles, anchor bolts  
34 and screws required for mounting.

35

#### 36 **Clean Up**

37 Remove all cartons, debris, sawdust, scraps, etc. and leave spaces clean and all casework ready for Owner's  
38 use.

39

40

\* \* \*

1 **SECTION 07 84 00 - FIRESTOPPING**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide firestopping as shown and as specified. Applicable provisions of Administrative Requirements shall  
7 govern all work under this section.

8  
9 Provide firestops to maintain integrity of indicated fire resistive construction that has been penetrated by  
10 building plumbing, HVAC, communication, and electrical systems. The area between these systems and  
11 fire rated wall, ceiling, and floor assemblies shall be firestopped with products that meet or exceed the  
12 indicated fire rating of the assembly.

13  
14 **Related Section**

15 Gypsum Wallboard – 09 29 00

16  
17 ASTM E84 - Test Method for surface Burning Characteristics of Building Materials.

18  
19 ASTM E119 - Method for Fire Tests of Building Construction and Materials.

20  
21 ASTM E814 - Test Method of Fire Tests of Through-Penetration Firestops.

22  
23 **Submittals**

24 Make submittals in accordance with Section 01 30 00.

25  
26 Submit data on product characteristics, performance and limitation criteria.

27  
28 Submit manufacturer's installation instructions indicating preparation and installation instructions.

29  
30 Submit manufacturer's certification that products meet or exceed specified requirements and indicated fire  
31 ratings.

32  
33 **Qualifications**

34 Company manufacturing the products specified in this Section shall have a minimum of three years of  
35 documented experience.

36  
37 **Regulatory Requirements**

38 Conform to applicable code for fire resistance ratings and surface burning characteristics.

39  
40 **Delivery, Storage and Handling**

41 Deliver materials in original unopened packages fully identified with manufacturers name, trade name, and  
42 UL label.

43  
44 Material shall be stored off ground and protected from environmental conditions as required by  
45 manufacturer.

46  
47 **Environmental requirements**

48 Do not apply materials when temperature of substrate material and ambient air is below 60 deg. F. or as  
49 otherwise indicated by manufacturer. Maintain this minimum temperature before, during, and for 3 days  
50 after installation of materials.

51  
52 Comply with maximum humidity recommendation of manufacturer.

53

1 Provide ventilation in areas to receive solvent cured materials.

2

3 **Sequencing**

4

5 Sequence work in accordance with the provisions of Div. 01.

6

7 Sequence work to permit firestopping materials to be installed after adjacent and surrounding work is  
8 complete.

9

10 **PART 2 PRODUCTS**

11

12 **Fire Barrier Caulk**

13 Single component sealant to provide a flexible, airtight, and waterproof seal to restrict transmission of  
14 temperature as well as passage of flame, smoke, and water. Provide gun-grade for walls and ceiling and  
15 self-leveling grade for floor applications. Sealant shall have intumescent qualities to expand 5-10 times its  
16 original volume.

17

18 Acceptable products, or approved equal.

19

20 3M Brand-Fire Barrier Caulk

21 Bio Fireshield - biotherm Firestop Caulk

22 Insta-Foam Products - Insta-fire Seal Silicone RTV

23 Sohio engineered Materials - Fiberfrax Putty FR

24 Metalines - Metacaulk

25

26 **Fire Barrier Sleeve/Wrap**

27 Composite sheet material designed to fire stop penetrations by wrapping/sleeving penetrating pipes, cables,  
28 ducts, and similar items to seal out fire, smoke, and toxic fumes. Sleeve shall include aluminum or steel  
29 collar to control expansion of the intumescent material within penetration.

30

31 Acceptable Products, or approval equal:

32

33 3M Brand - Fire Barrier Wrap/Strip/Restricting Collar

34 Bio fireshield - Bio Firestop Sleeve

35

36 **Fire Barrier Board**

37 Composite sheet fire-stopping material for large penetrations. Sheet shall have galvanized steel bonded to  
38 one side and wire mesh covered aluminum foil on opposite side encapsulating intumescent fire-stop/heat  
39 shield material. Board shall be used in conjunction with compatible fire caulks to provide a UL approved  
40 system.

41

42 Acceptable products, or approved equal:

43

44 3M Brand - Composite Sheet

45

46 **Fire Wall Closure**

47 Where interior, non-bearing masonry firewalls must be closed to structural deck with fire-rated,  
48 compressible material, provide fire-rated blanket material Sohio Engineered Materials - Fiberfrax  
49 Durablanket FP, or approved equal.

50

51 **Accessories**

52 Dam Material: Permanent, non-combustible, mineral fiberboard, sheet metal or removable plywood or  
53 particleboard. Provide required fasteners, sleeves, and clips to support dam material.

54

1 **PART 3 EXECUTION**

2

3 **Examination**

4 Verify site conditions and that openings are ready to receive the firestopping work.

5

6 **Preparation**

7 Clean substrate surfaces of dirt, dust, grease, oil, and loose material or other matter, which may effect bond  
8 of firestopping material.

9

10 Remove incompatible materials that affect bond.

11

12 Install backing materials to arrest liquid material leakage.

13

14 Remove combustible dam material after firestopping material has cured.

15

16 **Cleaning**

17 Clean work in accordance with provisions of Div. 01.

18

19 Clean adjacent surfaces of firestopping materials.

20

21 **Protection of finished Work**

22 Protect finished work and adjacent surfaces from damage by material installation.

23

24 All areas of work shall be accessible until inspection by A/E and applicable Code authorities.

25

26

27

\* \* \*

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1    **SECTION 07 90 00 - JOINT PROTECTION**

2  
3    **PART 1 GENERAL**

4  
5    **Summary**

6    Provide sealant work as shown and as specified. Applicable provisions of Administrative Requirements  
7    shall govern all work under this section.

8  
9    **Quality Control**

10   Obtain elastomeric materials from only manufacturers who will, if requested, send a qualified technical  
11   representative to advise the installer of proper procedures and precautions for the use of materials.

12  
13   Employ only skilled tradesmen for the work.

14  
15   **Submittals**

16   Submit manufacturer's specifications, recommendations and installation instructions for each type of  
17   sealant, caulking compound and associated miscellaneous material required in accordance with Division 1.  
18   Include manufacturer's published data, or letter of certification or certified test laboratory report indicating  
19   that each material complies with the requirements and is intended generally for the applications shown.

20  
21   Furnish actual material color samples; color shall be selected from manufacturer's colors.

22  
23   **PART 2 PRODUCTS**

24  
25   **Caulking - General Building**

26   Interior: acrylic terpolymer, solvent based, one part, thermo-plastic sealant compound, solids not less than  
27   95% acrylic; complying with ASTM C920, Type S, Grade NS; recommended by manufacturer for general  
28   use as an exposed building construction sealant. Furnish Tremco Mono, Pecora 60 Unicrylic, DAP Acrylic,  
29   or approved equal.

30  
31   At contractor's option, one part primerless, silicone construction sealant complying with ASTM C920, Type  
32   S, Grade NS, Class 25, may be used in lieu of the above; GE Silpruf, Dow Corning 790, Pecora 864, or  
33   approved equal.

34  
35   **Joint Cleaner**

36   Provide type of joint cleaner recommended by sealant manufacturer for the particular joint sealant.

37  
38   **Joint Primer/Sealer**

39   Provide the type of joint primer/sealer recommended by the sealant manufacturer, for the joint surfaces to  
40   be primed or sealed.

41  
42   **Bond Breaker Tape**

43   Polyethylene tape or other plastic tape as recommended by sealant manufacturer, to be applied to sealant  
44   contact surfaces where bond to the substrate or joint filler must be avoided for performance of sealant.  
45   Provide self-adhesive tape wherever applicable.

46  
47   **Sealant Backer Rod**

48   Compressible closed cell rod stock of polyethylene foam, polyethylene jacketed polyurethane foam, butyl  
49   rubber foam, neoprene foam or other flexible, permanent durable nonabsorptive material as recommended  
50   for compatibility with sealant by the sealant manufacturer. Provide size and shape of rod which will control  
51   the joint depth for sealant placement, break bond of sealant at bottom of joint, form optimum shape of  
52   sealant bead on back side, and provide a highly compressible backer to minimize the possibility of sealant  
53   extrusion when joint is compressed.

1 **PART 3 EXECUTION**

2  
3 **Preparation**

4 Examine joint surfaces, backing and anchorage of units forming sealant rabbet, and conditions under which  
5 the sealant work is to be performed, and notify of conditions detrimental to the proper and timely  
6 completion of the work and performance of the sealant. Do not proceed with the sealant work until  
7 unsatisfactory conditions have been corrected.

8  
9 **Weather Conditions**

10 Do not proceed with installation of sealant under adverse weather conditions, or when temperatures are  
11 below or above the manufacturer's recommended limitations for installation. Proceed with the work only  
12 when forecasted weather conditions are favorable for proper cure and development of high early bond  
13 strength. Wherever joint width is affected by ambient temperature variations, install elastomeric sealant  
14 only when temperatures are in the lower third of manufacturer's recommended installation temperature  
15 range, so that sealant will not be subjected to excessive elongation and bond stress at subsequent low  
16 temperatures.

17  
18 **Joint Surface Preparation**

19 Clean joint surfaces immediately before installation of sealant or caulking compound. Remove dirt,  
20 insecure coatings, moisture and other substances, which would interfere with bond of sealant or caulking  
21 compound.

22  
23 Etch concrete and masonry joint surfaces to remove excess alkalinity, unless sealant manufacturer's printed  
24 instructions indicate that alkalinity does not interfere with sealant bond and performance. Etch with 5%  
25 solution of muriatic acid; neutralize with dilute ammonia solution, rinse thoroughly with water and allow  
26 drying before sealant installation.

27  
28 Roughen joint surfaces on vitreous coated and similar non-porous materials, wherever sealant  
29 manufacturer's data indicates lower bond strength than for porous surfaces. Rub with fine abrasive cloth or  
30 wool to produce a dull sheen.

31  
32 **Installation**

33 Comply with sealant manufacturer's printed instructions except where more stringent requirements are  
34 shown or specified and except where manufacturer's technical representative directs otherwise. Prime or  
35 seal the joint surfaces wherever shown or recommended by the sealant manufacturer. Do not allow  
36 primer/sealer to spill or migrate on to adjoining surfaces.

37  
38 Install sealant backer rod for liquid elastomeric sealant, except where shown to be omitted or recommended  
39 to be omitted by sealant manufacturer for the application shown.

40  
41 Employ only proven installation techniques, which will ensure that sealant will be deposited in uniform,  
42 continuous ribbons without gaps or air pockets, with complete "wetting" of the joint bond surfaces equally  
43 on opposite sides. Except as otherwise indicated, fill sealant rabbet to a slightly concave surface, slightly  
44 below adjoining surfaces. Where horizontal joints are between a horizontal surface and a vertical surface,  
45 fill joint to form a slight cove, so that joint will not trap moisture and dirt.

46  
47 Install sealants to depths as shown, or if not shown, as recommended by the sealant manufacturer but within  
48 the following general limitations, measured at the center (thin) section of bead.

49  
50 For normal moving joints sealed with elastomeric sealant, but not subject to traffic, fill joints to a  
51 depth equal to 50% of joint width, but neither more than 1/2" deep nor less than 1/4" deep.

52  
53 For joints sealed with non-elastomeric sealant and caulking compounds, fill joints to a depth in the  
54 range of 75% to 125% of joint width.

1 Do not allow sealant or compound to overflow or spill onto adjoining surfaces, or to migrate into the voids  
2 of adjoining surfaces including rough textures such as exposed aggregate panels. Use masking tape or other  
3 devices to prevent staining of adjoining surfaces, by either the primer/sealer or the sealant/caulking  
4 compound.

5  
6 Remove excess and spillage of compounds promptly as the work progresses. Clean the adjoining surfaces by  
7 whatever means may be necessary to eliminate evidence of spillage, without damage to the adjoining  
8 surfaces or finishes.

9  
10 **Curing**

11 Cure sealant and caulking compounds in compliance with manufacturer's instructions and recommendations,  
12 to obtain high early bond strength, internal cohesive strength and surface durability.

13  
14 Protect sealant and caulking compounds during construction period, so that they will be without  
15 deterioration or damage (other than normal wear and weathering) at the time acceptance.

16  
17 \* \* \*

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1 **SECTION 08 11 13 – HOLLOW METAL DOOR FRAMES**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide steel door frame work as shown and as specified. Applicable provisions of Administrative  
7 Requirements shall govern all work under this section.

8  
9 **Submittals**

10 Submit shop drawings in accordance with Administrative Requirements indicating location, elevation of  
11 door, frame type (wall thickness and corners), materials, joints and connections.

12  
13 **Quality Assurance**

14 Provide doors and frames complying with Steel Door Institute "Recommended Specifications for Standard  
15 Steel Doors and Frames" ANSI/SDI-100 and as herein specified.

16  
17 Wherever fire-resistance classification (hour rating or classification) is shown or scheduled, provide fire-  
18 rated steel doors and frames investigated and tested as a fire door assembly, complete with hardware to be  
19 used. Identify each fire door and frame with UL labels, indicating applicable fire rating of both door and  
20 frame.

21  
22 **PART 2 PRODUCTS**

23  
24 **Acceptable Manufacturers**

25 The following are acceptable manufacturers, subject to compliance with specification requirements:

26  
27 Fenestra; Div. Marmon Group  
28 Ceco Corp  
29 Trussbilt, Inc  
30 Steelcraft Manufacturing Co  
31 Curries Hollow Metal  
32 Precision Metals

33  
34 **Welded Steel Frames**

35 Provide welded steel frames for doors, sidelights, and borrowed lights conforming to size and shape as  
36 shown, except where knockdown or prefinished frames are designated in gypsum drywall.

37  
38 Fabricate frames of prime quality cold rolled steel, 16 gauge, except single openings exceeding 3'-6" in  
39 width shall be 14 gauge.

40  
41 Frame joints shall be mitered or butted and continuously arc-welded for full depth and width of frame, with  
42 welds on exposed surfaces dressed smooth and flush.

43  
44 Frames shall be provided with removable angle spreaders securely fastened to bottom of jambs, 3/16 inch  
45 thick steel reinforcement for mortise hardware, and 12 gauge steel reinforcement for surface applied  
46 hardware. Frame shall be punched for silencers and prepared at factory for hardware from templates  
47 furnished by hardware supplier. Cut-outs shall be protected with dust covers.

48  
49 Mullions shall be closed or tubular construction, butt welded to head frames.

50  
51 Reinforce joints between members with concealed clip angles of same thickness as frame. See drawing for  
52 additional reinforcing of frame.

53

1 Each jamb shall be provided with 16 ga. steel angle floor clips punched with 5/16 inch holes. Frames in  
2 masonry walls shall be provided with three jamb anchors per jamb, of type suitable for conditions required.  
3 In masonry walls where masonry can be built up around frame, utilize adjustable type corrugated strap  
4 anchors; otherwise, provide bolt-thru anchorage consisting of prepunched countersunk bolt holes in face of  
5 stop, frame sleeve and backplate and 5/15 inch expansion bolts with flat Philips head.

6  
7 Frames in stud walls shall be provided with frame extenders anchored to structures above.

#### 8 9 **Stops**

10 Doors and frames receiving fixed glass, or air transfer grilles shall be equipped with plain rectangular steel  
11 stops and trim as required. Screws shall be countersunk, flat Philips head type.

12  
13 Unless specifically shown otherwise, frames shall be designed with loose stops on interior or room side of  
14 frame.

#### 15 16 **Fabrication**

17 Manufacturer shall provide cut-outs as required, closed with channel or plate, and reinforced as required.  
18 Confirm hardware requirements before fabrication and make adjustments required to accommodate  
19 hardware specified.

20  
21 Frames shall be mortised and reinforced for hardware. Mortised hardware reinforcements shall be factory-  
22 drilled and tapped. Surface applied hardware may be field drilled.

#### 23 24 **Finish**

25 Clean hollow metal doors and frames of rust, dirt, grease, oil and foreign substances. Apply and bake-on 1  
26 coat of rust inhibitive primer. Fill irregularities and apply an additional coat of manufacturer's standard  
27 primer, baked on. Apply finish paint in accordance with Section 09 90 00.

### 28 29 **PART 3 EXECUTION**

#### 30 31 **Installation, General**

32 Install frames in accordance with Section 06 20 00 and as specified herein. Hardware shall be installed  
33 under Section 08 71 00.

#### 34 35 **Frames**

36 Erect hollow metal frames in a straight, plumb, true and secure manner. Provide bracing to hold frames in  
37 proper place until built into structure or partition where shown. No less than 3 anchors shall be installed at  
38 each jamb of each frame for securing frame to wall construction.

39  
40 Erect prefinished steel frames according to the manufacturer's instructions and as shown on the Drawings  
41 and Details.

42  
43 Where frame width exceeds 6' -6", provide secure anchorage at mid-point of head.

44  
45 Type of anchorage items shall be determined by wall and head construction and as recommended by frame  
46 manufacturer. Anchor each jamb and mullion to floor through standard or special attached clip angles,  
47 using 1/4 inch expansion bolt 1/4 inch power driven stud. Do not remove angle spreaders until entire  
48 installation is complete.

49  
50 \* \* \*

1 **SECTION 08 14 00 - WOOD DOORS**

2  
3 **PART 1 GENERAL**

4 **Summary**

5 Provide wood door work as shown and as specified. Applicable provisions of Administrative Requirements  
6 shall govern all work under this section.

7  
8 **Submittals**

9 Submit shop drawings in accordance with Administrative Requirements for each type of wood door  
10 required. Include data as may be required to show compliance with specified requirements.

11  
12 Submit one copy of written warranty as specified below.

13  
14 **Quality Assurance**

15 In addition to the requirements shown and specified, comply with following standards:

16  
17           AWI, Quality Standards Illustrated, Section 01 30 00; and Brochure No. 5 Flush Doors,  
18           Architectural Woodwork Institute.

19  
20           NWWDA, Industry Standard I.S. 1-A Series. "Wood flush Doors", National Wood Window and  
21           Door Association.

22  
23 Obtain doors from a single manufacturer.

24  
25 **Delivery and Storage**

26 Protect wood doors during transit, handling and storage to prevent damage, soiling and deterioration. Store  
27 in a dry location and stack in accordance with manufacturer's instructions. The installer shall advise the  
28 Contractor of proper procedure required for protection of installed wood doors from damage or  
29 deterioration until acceptance of the work.

30  
31 **Warranty**

32 Submit two (2) copies of written agreement in door manufacturer's standard form signed by the  
33 Manufacturer, Installer, and Contractor, agreeing to repair or replace any defective doors which have  
34 warped (bow, cup or twist) or which show photographing of construction below in face veneers, as defined  
35 in NWMA Standard Door Guarantee, except the NWMA provision for refunding the price received by the  
36 door manufacturer for any defective door shall not apply. The guarantee shall also include refinishing and  
37 reinstallation that may be required due to repair or replacement of defective doors. Guarantee shall be in  
38 effect during the following period of time after the date of acceptance.

39  
40 Warranty doors for one (1) year after date of substantial completion.

41  
42 **PART 2 PRODUCTS**

43  
44 **Solid Core Flush Wood Doors**

45 Refer to drawings and schedules for door sizes, type and quantity. Final thickness of doors shall be 1-3/4"  
46 unless otherwise indicated.

47  
48 Door construction shall be PC-5 (particleboard core, 5 ply).

49  
50 Provide plain sliced white oak premium grade veneer faces of manufacturer's standard thickness.

51  
52 Cross band shall be oven-dried hardwoods extending full width of door and laid with grain at right angles to  
53 face veneers.

1  
2 Stile edge bands shall be a 2 ply edge band laminated to core on four sides in accordance with AWI 1300-  
3 G-3, with water-resistant adhesives. Outer stile shall be compatible with face veneers. Provide 2 ply  
4 hardwood rails. Stiles and rails shall be minimum 1-3/8" after milling.

5  
6 Bond face veneers and crossbands to core with waterproof adhesive conforming to NWWDA.

7  
8 At light openings, provide hardwood lumber or veneered stops of same species as face veneers, flush type,  
9 slightly recessed.

10  
11 Provide reinforcement as required to eliminate through bolting of hardware.

12  
13 **Door Preparation**

14 Doors shall be factory prepared to receive locking/latching hardware.

15  
16 Provide additional blocking to avoid through bolting of finish hardware.

17  
18 **Door Louvers**

19 Furnish and install door louvers of size indicated: see architectural and mechanical drawings and schedules.

20  
21 Louvers shall be Chevron type, sight-proof, white oak, flush with both sides of door.

22  
23 **PART 3 EXECUTION**

24  
25 **Manufacturer's Instructions**

26 Install all doors in strict accordance with manufacturer's printed installation instructions. Review limits  
27 allowed for make fitting cuts. Review hardware fastening requirements. Make no cuts, which will void  
28 door guarantee.

29  
30 **Installation**

31 Install doors plumb and fit to frame. Install finish hardware as specified. Adjust door operation and  
32 hardware to assure proper operation. Provide in-place protection to door faces as required to prevent  
33 damage.

34  
35

\* \* \*

1     **SECTION 08 32 00 - SLIDING GLASS DOORS**

2

3     **PART 1 GENERAL**

4

5     **Summary**

6     Provide sliding glass doors as shown and specified. Applicable provisions of Administrative Requirements  
7     shall govern all work under this section.

8

9     **Submittals**

10    Submit shop drawings and product data in accordance with Administrative Requirements indicating window  
11    size and material used.

12

13    **PART 2 PRODUCTS**

14

15    **Sliding Glass Door and Track**

16    Provide Knappe & Vogt (KV) P1092 Ezy Roll Aluminum track assembly.

17

18    Complete assembly shall include KV No. 1093 double channel at top, No. 1099 double track at bottom.  
19    Finish shall be anodized, satin, natural No. 201 R1. Provide vinyl guide and steel ball bearings. Provide  
20    window lock No. 065 NP, 1/4" tempered plate glass windows with ground exposed edges.

21

22    **PART 3 EXECUTION**

23

24    **Installation**

25    Install complete assembly in accordance with manufacturer's recommendations and approved shop  
26    drawings. Fasteners shall be aluminum finish matching track finish. Supply with all necessary bumpers.  
27    Assembly shall be fabricated so that glass doors are non-removable when closed.

28

29

\* \* \*

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1 **SECTION 08 70 00 - HARDWARE**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide finish hardware work as shown and specified. Applicable provisions of Administrative  
7 Requirements shall govern all work under this section. Examine drawings and other section of  
8 specifications for related work.

9  
10 The extent of finish hardware is shown on the drawings and in schedules. Finish hardware is hereby defined  
11 to include all items known commercially as builders' hardware, as required for doors, except special types  
12 of hardware specified in the same section as the door and door frame.

13  
14 **Submittals**

15 Submit two (2) copies of manufacturer's data for each item of finish hardware. Include information to show  
16 compliance with requirements, and include instructions for installation and for maintenance of operating  
17 parts and exposed finishes.

18  
19 Submit four (4) copies of the finish hardware schedule. Final hardware schedule shall be based on finish  
20 hardware requirements as indicated. Coordinate hardware with doors, frames, and related work to ensure  
21 proper size, thickness, swing, function, and finish of hardware. Organize hardware schedule into "hardware  
22 sets", indicating complete designation of every item required for each door or opening. Submit schedule at  
23 earliest possible date, in order to facilitate fabrication of other work, such as hollow metal frames.

24  
25 Submit 4 copies of separate key schedule showing how Owner's instructions on keying of locks have been  
26 fulfilled.

27  
28 Furnish templates to fabricators of other work to receive finish hardware.

29  
30 Hardware schedules are intended for coordination of the work. Review and acceptance by A/E or Owner  
31 does not relieve the Contractor of his exclusive responsibility to fulfill the requirements as shown and  
32 specified.

33  
34 **Fire Rated Openings**

35 Provide hardware for fire-rated openings in compliance with NFPA Standard No. 80 requirements for such  
36 hardware. Provide only hardware that has been tested and listed by UL for the types and sizes of doors  
37 required, and complies with the requirements of the door and door frame labels.

38  
39 **Product Handling**

40 Coordinate hardware with other work. Tag each item or package separately, with identification related to  
41 the final hardware schedule, and include basic installation instructions in the package. Furnish hardware  
42 items of proper design for use on doors and frames of the thicknesses, profile, swing, security and similar  
43 requirements indicated, as necessary for proper installation and function. Deliver individually packaged  
44 hardware item at proper times and locations (shop or field) for installation.

45  
46 Provide secure lockup for hardware delivered to the project, but not yet installed, control the handling and  
47 installation of hardware items which are not immediately replaceable, so that the completion of the work  
48 will not be delayed by hardware losses.

49  
50 **Guarantee**

51 Closers, overhead holders, and locksets shall be guaranteed for a period of two (2) years from date of  
52 substantial completion. Other items shall have standard 1 year guarantee.

53

1 **PART 2 PRODUCTS**

2  
3 **Acceptable Manufacturers**

4 Specific hardware manufacturers and catalog numbers listed are for reference and to establish a standard of  
5 quality. Finish hardware produced by the following manufacturers may be substituted for that listed herein,  
6 provided the substitution is equal in design, function, type and quality. Unless otherwise indicated,  
7 products of the following manufacturers, or approved equal, may be substituted for those listed, provided  
8 the substitution is equal in quality, type, and function and meets the specified requirements:  
9

10 Butts and Hinges:	Stanley, Lawrence Brothers, and Hager.
11 Closers:	LCN, Norton, Corbin, Russwin, and Sargent.
12 Locksets, Dead Locks, Flush Bolts:	Corbin.
13 Push Plates and Pulls:	Hiawatha, Cipco, and Brookline.
14 Kickplates, Armor Plates:	Russwin, Schlage, Hiawatha, and Cipco.

15  
16 **Hardware Types**

17 Existing hardware, as well as doors and frames, shall be reused the fullest extent practical. Where  
18 additional hardware is required, it shall match existing equipment in function, style and finish.

- 19  
20 Hinges: Finish (Interior) US4  
21 Lock and Latch Sets: Finish US4  
22 Unit Locks: Corbin UT 5200 with Essex handles.  
23 Push/Pulls: Finish US4  
24 Electric Strikes: Finish US4  
25 Closers, parallel arm: Color to match hardware  
26 Stops: US32D  
27 Manual and Automatic Bolts: Finish US4  
28

29 **Base Metals**

30 Produce hardware units of the basic metal indicated, using the manufacturer's standard metal alloy,  
31 composition, temper and hardness.  
32

33 **Forming**

34 Form the base metal into the required shapes and sizes by the manufacturer's standard production method  
35 for the class or quality of hardware units required.  
36

37 **Fasteners**

38 Manufacture hardware to conform to published templates, generally prepared for machine screw  
39 installation. Do not provide hardware which has been prepared for self-tapping sheet metal screws, except  
40 as specifically indicated.  
41

42 Furnish screws for installation with each hardware item. Provide Phillips flathead screws except as  
43 otherwise indicated. Finish exposed screws to match the hardware finish.  
44

45 Provide concealed fasteners for hardware units that are exposed when the door is closed. Do not use  
46 through bolts for installation where the bolt head or the nut on the opposite face is exposed under any  
47 condition.  
48

49 Provide fasteners, which are compatible with both the unit fastened and the substrate, and which will not  
50 cause corrosion or deterioration of hardware, base material or fastener.

1 **Finishes**

2 Finishes of all hardware shall match the finish of the locksets unless otherwise noted. Take special care to  
3 coordinate all of the various manufactured items furnished under this Section, to ensure acceptable uniform  
4 finish. The letters and numerals appearing in the hardware Schedule after each item identify the finishes:  
5

6 Designations used in schedules and elsewhere to indicate hardware finishes are those of BHMA "Materials  
7 & Finishes Standard 1301" and traditional U.S. finishes used by certain manufacturers.  
8

9 **Keying**

10 Hardware supplier shall meet with Owner to develop a keying schedule. All locksets shall be construction  
11 keyed and grand master, master and keyed alike as directed by the A/E and Owner. Furnish 6 grand master  
12 keys, 6 master keys each master key group, 4 change keys per lockset.  
13

14 **PART 3 EXECUTION**

15  
16 **Hardware Mounting Heights**

17 Mount hardware units at heights recommended in "Recommended Locations for Builders' Hardware" by  
18 NBHA, except as otherwise specifically indicated or required to comply with governing regulations.  
19

20 **Installation**

21 Install each hardware items in compliance with the manufacturer's instructions and recommendations.  
22 Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be  
23 painted or finished in another way, install each item completely and then remove and store in a secure place  
24 during the finish application. After completion of the finishes have been completed on the substrate.  
25

26 Adjust and check each operating item of hardware and each door, to ensure proper operation or function of  
27 every unit. Lubricate moving parts with type lubrication recommended by manufacturer (graphite type if no  
28 other recommended). Replace units, which cannot be adjusted and lubricated to operate freely and  
29 smoothly as intended for the application made.  
30

31 Instruct Owner's personnel in proper adjustment and maintenance of hardware and hardware finishes, during  
32 the final adjustment of hardware.  
33

34

\* \* \*

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1 **SECTION 08 80 00 GLAZING**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide glazing work as shown and specified. Applicable provisions of Administrative Requirements shall  
7 govern all work under this section.

8  
9 Review other sections to determine full extent of glass and glazing work.

10  
11 **Quality Assurance**

12 To ensure constant quality of appearance and performance, provide materials produced by a single  
13 manufacturer or fabricator for each kind and condition of glass indicated and composed of primary glass  
14 obtained from a single source for each type and class required.

15  
16 Installation procedures shall comply with "Glazing Manual" by Flat Glass Marketing Association, except as  
17 indicated otherwise, and except as specifically recommended otherwise by manufacturers of glass and  
18 glazing materials.

19  
20 Provide safety glazing complying with Building Code of any piece of operable or inoperable glazing  
21 material whose nearest vertical edge is within 48" of a door and whose bottom edge is below level of top of  
22 door.

23  
24 **Delivery, Handling and Storage**

25 Protect glass from edge damage during handling, installation and completion of the building.

26  
27 **Guarantee**

28 Insulating glass products shall be guaranteed by manufacturer for a period of 10 years from date of  
29 substantial completion not to develop material obstruction of vision as a result of dust or film formation on  
30 internal glass surfaces caused by failure of hermetic seal. This guarantee shall not include film formation  
31 due to glass breakage if such breakage is the result of external forces. Guarantee shall include film  
32 formation due to glass breakage associated with improper fabrication of insulating units.

33  
34 **PART 2 PRODUCTS**

35  
36 **Manufacturers**

37 Provide products by one of the following manufacturers; comply with standards listed:

- 38 Libbey-Owens Ford.
- 39 Cardinal Insulating Glass Co.
- 40 P.P.G. Industries.
- 41 A.F.G. Industries.

42  
43 Glass shall be products of one manufacturer to assure color and reflectance match.

44  
45 **Plate Glass - Tempered**

46 Plate glass (FS DD-G-451, Type 1) heat-strengthened by manufacturer's standard process (after cutting to  
47 final size) to achieve a flexural strength of 4 times nominal glass strength, clear (Class 1) unless noted  
48 otherwise.

49  
50 Provide clear glass of thickness required (1/4" min.), except as otherwise indicated; PPG "Herculite", LOF  
51 "Tuf-Flex", or approved equal.

1 **Glazing materials**

2 Provide glazing tape, shims, setting blocks, glazing compound, caulking materials, and neoprene strip as  
3 required to complete glazing work as shown. Provide Pre-shimmed Tremco 440 Tape by Tremco mfg. Co.,  
4 or approved equal.

5  
6 At contractor's option, provide proprietary glazing system consisting of sealant, glazing tape, and  
7 compression gasket:

- 8
- 9 General Electric (GE) Silglaze.
- 10 GE Silicone (1200).
- 11 Dow Corning 732.
- 12 Tremco Proglaze.
- 13

14 Compression gasket shall be neoprene, except use EPDM gaskets with silicone rubber sealants.

15  
16 **PART 3 EXECUTION**

17  
18 **Preparation**

19 Glazing channel shall provide for necessary minimum bite on the glass, minimum edge clearance and  
20 adequate sealant thicknesses, with reasonable tolerances. Provide correct glass size for each opening,  
21 within the tolerances and necessary dimensions established.

22  
23 Examine framing and glazing channel surfaces, backing, removable stops and conditions under which  
24 glazing is to be performed. Notify of conditions detrimental to proper and timely completion of work. Do  
25 not proceed with glazing until unsatisfactory conditions have been corrected.

26  
27 Do not proceed with installation of sealants during adverse weather or when temperatures exceed  
28 manufacturer's recommended limitations.

29  
30 **Installation - General**

31 Watertight and airtight installation of each piece of glass is required. Installation must withstand normal  
32 temperature changes, wind loading, impact loading (for operating sash and doors) without failure of any  
33 kind including loss or breakage of glass, failure of sealants or gaskets to remain watertight and air-tight,  
34 deterioration of glazing materials and other defects in the work.

35  
36 **Installation - Glass**

37 Clean glazing channel and framing members to receive glass. Remove coatings and glazing compounds  
38 that are not firmly bonded to substrate. Remove lacquer from metal surfaces wherever elastomeric sealants  
39 are used. Apply primer or sealer to joint surfaces as recommended by sealant manufacturer.

40  
41 Do not attempt to cut, seam, nip or abrade glass that is tempered, heat strengthened, or coated. Inspect each  
42 piece of glass immediately before installation, and reject all that has edge damage or face imperfections.

43  
44 Install setting blocks of proper size at quarter points of sill rabbet. Set blocks in thin course of the heel-  
45 bead compound.

46  
47 Provide spacers inside and out, and of proper size and spacing, for glass sizes larger than 50 united inches.  
48 Provide 1/8" minimum bite of spacers on glass. Use in thickness equal to sealant width. With sealant tape  
49 use thickness equal to sealant width.

50  
51 Unify appearance of each series of lights by setting each piece to match others as nearly as possible.  
52 Inspect each piece and set with pattern, draw and bow oriented in the same direction as other pieces.

1 **Glazing Procedures**

2 Comply with recommendations of glass manufacturer and manufacturer of sealants and other materials used  
3 in glazing, except where more stringent requirements are shown or specified.

4  
5 Exterior glazing shall be performed using pre-shimmed tape, proper setting blocks, and liquid sealants to  
6 form a flexible weather-tight seal. Interior glazing shall be performed using tape and vision strip set in a  
7 heel bead of liquid sealant.

8  
9 Force sealants into channel to eliminate voids and to ensure complete "wetting" or bond of sealant.

10  
11 Tool exposed surface of glazing compounds to provide a substantial "wash" away from the glass. Install  
12 tapes to protrude slightly out of the channel, so as to eliminate dirt and moisture pockets.

13  
14 Clean and trim excess glazing materials from the glass and stops or frames promptly after installation, and  
15 eliminate stains and discoloration.

16  
17 Where wedge-shaped gaskets are driven into one side of the channel to pressurize the sealant or gasket on  
18 the opposite side, provide adequate anchorage to ensure that shims will not "walk" out when subjected to  
19 dynamic movements. Anchor gasket to stop with matching ribs, or by proven adhesives, including  
20 embedment of shim tail in cured heel bead.

21  
22 Miter cut and bond ends together at corners where gaskets are used for channel glazing, so that gaskets will  
23 not pull away from corners and result in voids or leaks in the glazing system.

24  
25 **Protection and Breakage**

26 Protect exterior glass from breakage immediately upon installation, by attachment of crossed streamers to  
27 framing head away from glass. Do not apply markers of any type to surfaces of glass.

28  
29 Remove and replace glass which is broken, chipped, cracked, abraded or damaged in any other way during  
30 the construction period, including natural causes, accidents and vandalism.

31  
32 Maintain glass in a reasonable clean condition during construction, so that it will not be damaged by  
33 corrosive action and will not contribute (by wash-off) to the deterioration of glazing materials and other  
34 surfaces.

35  
36 Wash and polish glass on both faces not more than 4 days prior to Owner's acceptance of the work in each  
37 area. Comply with glass manufacturer's recommendations.

38  
39 \* \* \*

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1 **SECTION 09 29 00 - GYPSUM BOARD**

2  
3 **PART 1 GENERAL**

4 **Summary**

5 Provide gypsum wallboard work as shown and as specified. Applicable provisions of Administrative  
6 Requirements shall govern all work under this section.

7  
8 **Submittals**

9 Submit product data on each type of steel framing and accessory.

10  
11 Submit product data on joint treatment materials, gypsum board primer, and finish products.

12  
13 Submit min. 6" x 6" gypsum board sample with each type of spray texture required.

14  
15 **Fire-resistant Ratings**

16 Comply with fire-resistant ratings as shown and as required by governing authorities and codes. Provide  
17 materials, accessories, and application procedures, which have been listed by UL or tested according to  
18 ASTM E1119 for type of construction shown.

19  
20 **Delivery and Storage, and Handling**

21 Coordinate delivery with installation to minimize storage periods at the project site. Deliver in  
22 manufacturer's unopened containers, bundles or packages, fully identified with manufacturer's name, brand,  
23 type and grade. Protect from weather, soiling and damage using handling equipment and storage techniques  
24 recommended by the manufacturer.

25  
26 **PART 2 PRODUCTS**

27  
28 **Acceptable Manufacturers - Gypsum Board**

29 Specific products listed by one manufacturer are intended to establish type, style, or quality and not to limit  
30 competition or selection. Provide gypsum drywall products and accessories by one of the following  
31 manufacturers:

32 Georgia-Pacific

33 National Gypsum

34 U.S. Gypsum

35  
36 **Gypsum Wallboard - Interior**

37 Exposed drywall surfaces: Provide gypsum wallboard complying with ASTM C-36 with paper face surface  
38 suitable to receive decorated finish and with long edges tapered to receive manufacturer's standard joint  
39 treatment, unless otherwise shown. Provide wallboard equal to the following:

40  
41 G-P Regular Wallboard; Georgia-Pacific

42 "Sheetrock" SW; U.S. Gypsum

43 Regular Gypsum Wallboard; National Gypsum

44  
45 Provide wallboard in lengths as required to complete the work with a minimum of joints.

46  
47 Moisture-resistant applications: Where gypsum wallboard is substrate for non-absorbent wall tile (ceramic,  
48 plastic or metal) and for surfaces with epoxy paint, provide moisture-resistant gypsum backing board with  
49 core and paper facings treated to resist moisture, ASTM C-630:

50  
51 "Sheetrock W/R, U.S. Gypsum

52 MR Board; National Gypsum

53 G-P Tile Backer Board; Georgia Pacific

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**Gypsum Board - Fire Rated**

ASTM C36, type "X", 5/8" thick, unless otherwise indicated, with paper face surface suitable to receive decorated finish and long edges tapered to receive manufacturer's standard joint treatment, unless otherwise shown.

**Fasteners**

Provide kind, type and size recommended by manufacturer for applications shown. Review fire-rated assembly requirements for fastener spacing. In general, gypsum board shall be fastened in place with screws designed for gypsum board.

Screws shall be self-tapping when used with metal framing up to 12 gauge. Heads shall be designed for covering with finishing compound if exposed in face layers.

**Metal Trim Accessories**

Provide trim accessories of sizes required for applications shown; fabricate galvanized steel trim, as follow:

External corners: Provide metal corner bead with smooth rigid nose and perforated and knurled metal flanges.

Control Joints: Where shown in dry wall areas, provide one-piece joints assembly of non-corrosive metal or extruded vinyl with continuous unperforated expansion strip for insertion into joint and perforated flanges for attachment to face of wallboard.

Where face panels abut dissimilar materials and where specifically detailed, provide "L" shaped metal trim designed to be concealed by taping operations equal to USG No. 200-B metal trim.

At exposed panel edges and where designated, provide J-shape casing beads designed to be concealed by taping; USG No. 200-A or approved equal.

Provide cornerbead and edge trim for exterior ceilings formed from rolled zinc.

**Joint Treatment Materials**

Joint Tape: Plain or perforated, ASTM C-475.

Joint Compound: Adhesive with or without fillers, ASTM C-475. Provide in dry powder form or pre-mixed ready for application. Provide single or two compound treatment.

Single Compound Treatment: Provide manufacturer's single-component compound for bedding and finishing joints.

Two-Compound Treatment: Provide two compatible compounds; one for bedding and the other for finishing joints.

All-purpose compounds shall be formulated for use as both taping and topping compounds.

**Gypsum Board Primer**

Primer; USG "Sheetrock First Coat", Gold Bond "Drywall Primer", or approved equal. Paint primers, as specified in Section 09 90 00 Painting, will not be accepted as equal to this product.

**Sound Attenuation Blankets**

Where required for fire-rated construction, or to achieve STC ratings, semi-rigid, unfaced mineral fiber blankets complying with ASTM C665, type 1; and of thickness, density, and type tested by manufacturer for required ratings.

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**Acoustical Caulking**

Perimeter caulking material to meet STC ratings, non-drying, non-shrinking, non-migrating sealant recommended by gypsum board manufacturer.

**Steel Stud Framing**

Non-load bearing studs shall be manufactured to comply ASTM C645.

Painted studs shall be formed of steel complying with ASTM A611, Grade C, coated with a rust inhibitive paint.

Galvanized studs shall be formed of steel complying with ASTM A446, Grade A, Coating Designation G60.

Interior wall steel studs shall be 20 gage, unless otherwise indicated, screw type, "C" shaped, primed or galvanized, with a minimum yield point of 33,000 psi.

Stud wall track gage and finish shall match studs. Vertical slide track (deep leg track) attached to structural members to allow for live load deflection or settlement of structural framing without transferring load to stud wall shall be min. 14 gage steel in finish to match studs.

Bridging shall be "C" shaped framing members with stiffened V-section, spacing as indicated and, finish to match studs.

**PART 3 EXECUTION**

**Installation of Metal Studs**

Install metal studs and accessories as shown, and in accordance with manufacturer's recommendations and ASTM C754 and C840.

System components may be prefabricated into panels for erection or may be assembled in place. Cut framing components to fit against abutting members; fasten properly using screws, bolts, or welds. Wire tying in structural applications is not permitted.

Align runners accurately and securely anchor at max. 24" o/c Provide fasteners at corners and ends of runner tracks.

Place studs plumb and true at maximum 24" o/c, unless otherwise shown. Do not splice axially loaded studs. If necessary, splice non-load-bearing studs by nesting with a minimum overlap of 8" and fasten securely together. Provide positive attachment of studs to runner tracks.

Locate studs no more than 2" from doorframe and window jambs, abutting partitions, walls, corners, and other construction. Anchor studs located adjacent to door frames, partition intersections, and corners to runner flanges by positive screw engagement through each stud flange and runner flange. Securely anchor to the jamb and head of each doorframe by bolt or screw attachment. Double studs at door and window frames, framed openings, and both sides of control joints, if shown.

Over door and other opening frames place a cut-to-length section of runner track, with a web-flange bend at each end, and securely screw attach to adjacent vertical studs. Jack studs shall be installed below windowsills, above window and door heads, at free standing stair rails, and elsewhere as shown to furnish support at same spacing of full-length studs and shall be securely attached to supporting members.

Provide additional members, where heavy fixture anchorage is required, as approved by A/E.

1 Where non-load-bearing partitions abut ceiling or deck construction or vertical structural elements provide  
2 slip or cushion-type joint between metal framing and structure as recommended by stud manufacturer to  
3 prevent transfer of structural loads or movements to partitions.  
4

5 Refer to Drawings for location of fire-rated and acoustical partitions that extend through ceiling of  
6 adjoining spaces to structural system. Where caulking is required for fire-rated walls, seat top and bottom  
7 runner in a continuous bead of fire-rated caulking; see Section 07 90 00.  
8

9 Where partitions do not pass through ceiling, fasten top channel to suspended ceiling grid system using  
10 spacers and compressible gasket. Anchor securely at intervals not to exceed 24". Spacers shall be deep  
11 enough to prevent partition cap from drawing up tight to acoustical panels.  
12

13 Where non-load-bearing partitions do not abut structure and wall length between intersecting walls exceeds  
14 15 ft., provide support studs from top of partition to structure at 45 deg. Space support studs at 8 ft. o/c  
15 max.  
16

17 Do not bridge building expansion and control joints with steel framing or furring members; independently  
18 frame both sides of joints.  
19

#### 20 **Installation of Wall Accessories**

21 Install wood blocking in walls and ceilings as required to secure casework, building specialties, finish  
22 hardware, and mechanical/electrical work. Coordinate with Section 06 10 00.  
23

24 Install thermal and sound attenuation insulation as shown and as specified. Refer also to Div. 7 insulation  
25 installation requirements.  
26

#### 27 **Installation of Gypsum Board**

28 Comply with the requirements of ASTM C840, unless otherwise specified or recommended by the  
29 manufacturer.  
30

31 Examine substrates and framing and conditions under which gypsum drywall systems are to be installed.  
32 Notify of conditions detrimental to proper and timely completion of work. Do not proceed with installation  
33 until unsatisfactory conditions have been corrected.  
34

35 Do not exceed 1/8" in 8'-0" variation from plumb or level in any exposed line or surface, except at joints  
36 between units, do not exceed 1/16" variation between planes of abutting edges or ends. Shim as required to  
37 comply with specified tolerances.  
38

39 Provide additional framing and blocking as required to support gypsum board at openings and cutouts, and  
40 to support built-in anchorage and attachment devices for other work.  
41

42 Form control joints in drywall construction. Review with Architect the intended control joints to control  
43 cracking. Allow 1/2" continuous opening between edges of adjacent drywall boards to allow for insertion  
44 or control joint trim accessory.  
45

#### 46 **Single Layer Applications**

47 Partition/Walls: For heights of 8'-2" or less, apply gypsum board vertically or horizontally at contractor's  
48 option. For heights greater than 8'-2" or for areas less than 4' wide apply vertically. Use floor-to-ceiling  
49 length boards for vertical applications and locate edge joints over supports, but offset at least one stud on  
50 opposite faces of partition/walls. Use maximum practical length boards for horizontal applications and  
51 locate end joints over supports and stagger in alternate courses of board.  
52

53 Metal Supports: Fasten gypsum wallboard with screws. Comply with manufacturer's instructions for  
54 fastening, but do not exceed 12" o.c. spacing.

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**Control Joints**

Gypsum panel surfaces shall be isolated with control joints where:

Partition, furring, or column fireproofing abuts a structural element (excepts floor) or dissimilar wall or ceiling.

Ceiling abuts a structural element, dissimilar wall or partition, or other vertical penetration.

Construction changes within plane of partition or ceiling.

Partition or furring run exceeds 30 ft.

Ceiling dimensions exceed 50 ft. in either direction with perimeter relief, 30 ft. without relief.

Exterior soffits exceed 30 ft. in either direction.

Wings of "L", "U" and "T" - shaped ceiling areas are joined.

Expansion or control joints occur in base exterior wall.

Ceiling height doorframes may be used as control joints. Less-than-ceiling height frames shall have control joints extending to ceiling from both corners unless otherwise approved by A/E.

**Sound Rated Applications**

Install sound attenuation blankets in sound-rated partition. Add blankets between studs to full height of partition/wall. Fit carefully behind electrical outlets and other work, which penetrates partition/wall. Attach to back face of drywall in accordance with manufacturer's instructions. Caulk wall perimeter as shown on both sides. Caulk opening around all mechanical/electrical penetrations in wall.

**Drywall Finishing**

Temperature and Humidity Conditions: Do not install joint treatment compounds unless installation areas comply with the minimum temperature and ventilation requirements recommended by the manufacturer and conditions are satisfactory.

Finish exposed drywall surfaces with joints, corners and exposed edges reinforced or trimmed as specified, and with all joints, fastener heads, trim accessory flanges and surface defects filled with joint compound in accordance with the manufacturer's recommendations for a smooth, flush surface. Drywall finishing work will not be considered acceptable if corners or edges do not form true, level or plumb lines, or if joints, fastener heads, flanges of trim accessories or defects are visible after application of field-applied decoration.

In fire-rated and acoustical walls, use joint compound to close all openings around penetrations through walls. Compound thickness shall be equal to thickness of gypsum board.

**Gypsum Board Primer**

Apply full coverage coat of gypsum board primer to all painted walls and ceilings in accordance with manufacturer's instructions. For both smooth surface finished and textured walls and ceilings, gypsum board primer shall be applied to equalize porosity and surface texture differences between finished joint compound and gypsum board face paper. Apply primer evenly; free of runs, sags and other blemishes.

This contractor shall be responsible for providing additional sanding as required after gypsum board primer has dried. This additional sanding is required to eliminate any surface texture differences that may have been caused by over sanding joint compound areas and raising nap on gypsum board paper facings. This

1 contractor shall be solely responsible to provide a uniform texture surface on all gypsum surfaces ready for  
2 application of paint primer by painting contractor.

3

4 **Protection**

5 Comply with proper procedures for protection of completed gypsum board work from damage or  
6 deterioration until acceptance of work.

7

8

\* \* \*

1 **SECTION 09 30 13 - CERAMIC TILING**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide ceramic tile work as shown and as specified. Applicable Administrative Requirements shall govern  
7 all work under this section.

8  
9 **Standards**

10 Provide tile certified by the Tile Council of America to equal or exceed "Standard Grade" requirements of  
11 ANSI A137.1. Provide materials obtained from only one source for each type of color of tile.

12  
13 Work in this section shall be in accordance with the specifications for installation of ceramic tile produced  
14 and published by the Tile Council of America, latest edition.

15  
16 **Submittals**

17 Submit one (1) sample of each type, class and color of tile required. Architect's review will be for color,  
18 pattern and texture only. Compliance with all other requirements is the exclusive responsibility of the  
19 Contractor.

20  
21 For information only, submit two (2) copies of manufacturer's specifications and installation instructions for  
22 all materials required, except bulk materials. Include certifications and other data as may be required to  
23 show compliance with these specifications.

24  
25 **Delivery and Storage**

26 Deliver materials and store on site in original containers with seals unbroken and label intact until time of  
27 use.

28  
29 **Extra Stock**

30 Supply extra 2% of total quantity of each tile used. Place in clean marked cartons for Owner's use.

31  
32 **PART 2 PRODUCTS**

33  
34 **Manufacturers**

35 Tile shall be of domestic manufacture unless noted otherwise. Where no brands or manufacturers are listed,  
36 use any product that meets specifications.

37  
38 Manufacturers' products listed below are intended to establish a standard of quality, grade, and type; not to  
39 limit competition. Provide ceramic tile by one of the following:

- 40  
41 Dal-Tile Corp.  
42 American Olean Tile Co.  
43 Summitville Tiles, Inc.  
44 Florida Tile; Sikes Corp.  
45 Romany-Spartan; U.S. Ceramic Tile Co.  
46 Monarch Marshall Tile.  
47 Mid-State Tile Co.

48  
49 **Ceramic Tile**

50 Glazed Wall Tile- Furnish 4-1/4" x 4-1/4" tile with crystalline glaze. Use "Master-Set" back mounted  
51 sheets. Furnish wall tile trim in size, color and shade to match field tile. Observe following requirements.

52  
53 Base - with cove.

- 1 In corners - square.
- 2 Out corners - bullnose.
- 3 Jambs bullnose where tile projects from jamb.
- 4 Wainscot cap - bullnose where tile projects beyond plane of wall above.

5  
6 Where ceramic base is indicated in rooms with concrete floor, provide 6" high x 6" glazed tile specifically  
7 designed for this application, with cove base and rounded top. Provide S-3619T by American Olean, or  
8 approved equal.

9  
10 **Thin-Set Waterproofing**

11 For walls and floors in areas over occupied spaces: Tile-Tite by Applied Polymers of America, Inc., or  
12 approved equal.

13  
14 **Grouting Materials**

15 Glazed Tile - Commercial, white Portland cement type grout, wet or dry cure formulation as appropriate, as  
16 made by L & M-Surco or Kaiser.

17  
18 **Pre-formed Slopes and Curbs**

19 Provide high-density molded polystyrene shapes to form curbs and sloped surfaces.

20  
21 **Safing/Waterproofing**

22 Safing sheet shall be as required by Plumbing, tied into drain, and extending the full height of tiled wall  
23 surfaces.

24  
25 **Sealants**

26 Use white, fungicidal one-part silicone rubber, American Olean Redi-Set Grout or Dow Corning 784  
27 meeting Federal specification TTS-001543. Class A or B (COM-NBS).

28  
29 **Protective materials**

30 Neutral cleaner such as American Olean General Purpose Cleaner, or Hillyard Super Shine-all.

31  
32 Heavy-duty non-staining construction paper with compatible masking tape.

33  
34 **PART 3 EXECUTION**

35  
36 **Acceptability of Surfaces**

37 Before tiling, be sure variations of surface to be tiled fall within maximum variations shown below:

38  
39

	<u>Walls</u>	<u>Floors</u>
Dry-set Mortar	1/4" in 8'	1/4" in 10'

40  
41

42 Report all unacceptable surfaces to A/E and do not tile such surfaces until they are leveled enough to meet  
43 above requirements. Before tiling, be sure surfaces to be tiled are free from coatings, curing membranes,  
44 oil, grease, wax and dust.

45  
46 **Layout**

47 Determine locations of all movement joints before starting tile work. Lay out all tile work so as to minimize  
48 cuts less than one-half in size. Locate cuts in both walls and floors so as to be least conspicuous. Lay out  
49 tile wainscots to next full tile beyond dimensions shown.

50  
51 Align all wall joints to give straight uniform grout lines, plumb and level. All floor joints to give straight  
52 uniform grout lines parallel with walls. Make joints between tile sheets same width as joints within sheets,  
53 so extent of each sheet is not apparent in finished work.

54

1 **Workmanship**

2 Supply first-class workmanship in all tile work. Use all products in strict accordance with recommendations  
3 and directions of manufacturers. Proportion all mixed in accordance with latest ANSI Standard  
4 Specifications.

5

6 Smooth all exposed cut edges. Be sure cut edges are clean before installing tiles. Fit tile carefully against  
7 trim, also around pipes, electric boxes and other built-in fixtures so that escutcheons, plates and collars will  
8 completely overlap cut edges. When using glazed tile sheets, minimize tearing sheets apart by drilling pipe  
9 holes as much as possible. Near floor drains, keep tile floor level, dishing slightly only in area of drain.

10

11 Be sure all tile work is clean of grout film upon completion.

12

13 **Setting methods**

14 Provide setting beds as shown on the drawings. When not otherwise indicated, provide one of the following  
15 subject to the specified limitations:

16

17 Use dry-set Portland cement mortar setting bed only on smooth surface plaster, concrete and masonry walls,  
18 and on smooth, flat concrete floors without warp or cracks. Refer to TCA 211-74 and W212-74.

19

20 **Cleaning**

21 Clean tile surfaces as thoroughly as possible on completion of grouting. Remove all grout haze, observing  
22 tile manufacturer's recommendations as to use of acid and chemical cleaners. Rinse tile work thoroughly  
23 with clean water before and after using chemical cleaners. Polish surface of tile work with soft cloth.

24

25 **Protection**

26 Furnish heavy-duty construction paper or other material as required to protect tile work from damage.  
27 Prohibit construction traffic from newly tiled areas when required.

28

29 Upon review of the project for substantial completion, all tile work shall be complete and free from defects.  
30 Repair all damaged work to match adjacent surface.

31

32

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1 **SECTION 09 51 00 - ACOUSTICAL CEILINGS**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide acoustical ceilings as shown and as specified. Applicable Administrative Requirements shall govern  
7 all work under this section.

8  
9 **Submittals**

10 Upon request, submit samples for each acoustic tile required, indicating full range of exposed color and  
11 texture to be expected in the completed work. Sample submittal and A/E's review will be for the color and  
12 texture only. Compliance with all other requirements is the exclusive responsibility of the Contractor.

13  
14 For information only, submit 2 copies of manufacturer's specifications and installation instructions for each  
15 acoustic material and other products required, including certified laboratory test reports and other data as  
16 may be required to show compliance with these specifications. Indicate by transmittal form that copy of  
17 each instruction has been distributed to the Installer.

18  
19 Submit manufacturer's recommendations for cleaning and refinishing of acoustic tile, including precautions  
20 against materials and methods which may be detrimental to finishes and acoustic efficiency.

21  
22 Submit shop drawing details and reflected ceiling plans of acoustic ceiling systems specified in this section.  
23 Show location of acoustic units, exposed grid members (if any), and other items of work which are to be  
24 coordinated with the acoustic ceiling system. Show framing and support details for work supported by  
25 acoustic ceiling suspension systems. Certify compliance with ASTM C-635 (including structural  
26 classification) and other specified requirements, for each type of suspension system.

27  
28 **Replacement Materials**

29 When work is completed, deliver stock of replacement materials to the Owner. Furnish full size units,  
30 matching the material installed, packaged and marked for identification.

31  
32 Furnish not less than 2 percent of the total amount of each acoustic material installed.

33  
34 **Delivery and Storage**

35 Deliver acoustic ceiling materials to the job site in original, unopened packages, bearing manufacturer's  
36 name and label identifying each type of acoustic unit.

37  
38 Advise Contractor of acoustic material manufacturer's recommendations for storage of units to be used in  
39 the work.

40  
41 **Fire Resistance Ratings**

42 Provide complete ceiling assemblies which will achieve the fire resistance classification of rating as shown  
43 or scheduled.

44  
45 Comply with the material and installation requirements of the UL "Fire Resistance Directory" for floor, roof  
46 or beam assemblies in which acoustical ceilings function as a fire protective membrane; tested in  
47 accordance with ASTM E119. Provide protection materials for lighting fixtures and air ducts to comply  
48 with requirements indicated for rated assembly.

49  
50 **PART 2 PRODUCTS**

51  
52 **Acceptable Manufacturers**

53 Provide acoustical ceiling units by Armstrong Ceilings, Celotex, USG Interiors or approved equal.

1  
2 Provide suspension systems for acoustic ceilings by Armstrong, Chicago Metallic, or approved equal.  
3

#### 4 **Acoustical Ceiling Panels**

5 **Fissured Panels (AT-1):** Provide panels complying with the following performance and physical  
6 requirements. Panels shall meet or exceed characteristics of Armstrong Cortega, US Gypsum Auratone or  
7 approved equal.  
8

- 9 1. Material: Mineral fiberboard, FS SS-S-118.
- 10 2. Size: 24" x 24" x 5/8" thick.
- 11 3. Edges: Square-cut lay-in.
- 12 4. Finish: Manufacturer's standard factory applied white vinyl latex paint.
- 13 5. Surface Design: Cortega, non-directional fissured design.
- 14 6. NRC Range: 0.50 - 0.60.
- 15 7. STC Range: 35 - 39.
- 16 8. Flame Spread Rating: 0-25, Class A per ASTM E 1264.
- 17

#### 18 **Sound Attenuation Blankets**

19 Provide semi-rigid, spun mineral fiber blankets with no membrane covering; USG Thermafiber blankets or  
20 approved equal.  
21

#### 22 **Exposed Grid Suspension System**

23 Provide direct hung, exposed grid suspension system complying with ASTM C635 for an intermediate-duty  
24 structural classification. Provide 15/16" wide exposed faces on main runners an matching interlocking  
25 cross runners of single web steel with smooth, matte white painted finish; channel or angle type molding  
26 with matching finish; and hold down clips for all panels in vestibules and where indicated.  
27

28 Suspension system shall be compatible with specified panels. Exposed grids shall have a low-gloss finish to  
29 match color of ceiling panels.  
30

#### 31 **Hangers**

32 As recommended by manufacturer to comply with the specified structural classification (ASTM C-635). If  
33 recommended, not less than 12 gauge (0.016" diameter), galvanized, soft annealed, mild steel wire.  
34

35 Where hanger wires cannot be directly wire-tied to structural or intermediate framing members, provide  
36 attachment devices designed for the type of construction used in the work and with a carrying capacity of  
37 not less than 5 time the design loads involved.  
38

### 39 **PART 3 EXECUTION**

#### 40 **Preparation**

41 Coordinate layout with other work, which penetrates or is supported by ceiling suspension system. Ceiling  
42 grid work in classrooms in the addition shall be placed prior to gypsum drywall partitions being placed.  
43 Eliminator track shall be installed directly to grid in section 09250.  
44

45  
46 Prior to start of acoustic ceiling work, consult other trades and contractors involved to determine areas of  
47 potential interference. Do not start installation of suspension systems until interferences have been  
48 resolved.  
49

#### 50 **Suspension System Installation, General**

51 Install suspension systems in accordance with manufacturer's printed instructions and to comply with the  
52 requirements of ASTM C-636.  
53

1 Space not more than 6" in from each end and not more than 4' o.c. between ends of members to be  
2 supported. Provide additional hangers for support of fixtures and other items to be supported by the ceiling  
3 suspension system, as required to prevent eccentric deflection or rotation of supporting runners.

4  
5 Secure wire hangers by looping and wire-tying, either directly to structures or to inserts, eye-screws, or  
6 other devices which are secure and appropriate for substrate, and which will not deteriorate or fail with age  
7 or elevated temperatures.

8  
9 Provide where ceilings meet walls, partitions and other vertical elements. Miter cut inside and outside  
10 corners.

11  
12 **Installation of Suspension Systems - Exposed Grid Systems**  
13 Support main runners directly from hangers; do not bear on walls or partitions. Space main runners to  
14 support acoustic panels and other work resting in or on the ceiling, as required to comply with specified  
15 performance requirements. Interlock crossrunners with either main runners or with crossrunners structurally  
16 classified as main runners. Install moldings with exposed leg in same plane as bottom flange of runners.

17  
18 **Installation of Acoustic Ceiling Units**  
19 Do not install acoustic ceilings until installation areas meet the following requirements: Exterior openings  
20 have been closed and roofs are weather tight; mechanical, electrical and other work above ceilings have  
21 been completed; wet work has been installed; temperature and relative humidity have reached levels which  
22 comply with acoustic material manufacturer's recommendations for the units to be used in the work and are  
23 acceptable to the Installer.

24  
25 Install materials in accordance with manufacturer's printed instructions and other recommendations  
26 applicable to the work.

27  
28 Balance border areas to avoid units of less than 1/2 unit width wherever possible. Wherever ceiling area is  
29 a multiple of full size acoustic units used in the work, balance alignment to be square and true and install  
30 only full size units for entire ceiling including borders.

31  
32 **Suspended Lay-in Acoustical Panel Installation**  
33 Install square edge panels to rest on flanges of grid tees with border units supported by moldings. Finish  
34 exposed edges of field cut tegular tile units to match tile color.

35  
36 \* \* \*

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1 **SECTION 09 65 00 - RESILIENT FLOORING**

2  
3 **PART 1 GENERAL**

4 **Summary**

5 Provide resilient flooring work as shown and as specified. Applicable Administrative Requirements shall  
6 govern all work under this section.

7  
8 **Submittals**

9 Submit samples of each type, color and finish of resilient flooring and accessories required. Color and  
10 pattern to be selected by A/E from manufacturer's standard colors. Comply with Administrative  
11 Requirements.

12  
13 **Extra Materials**

14 Supply additional 1% of each type and pattern of resilient work. Obtain from same manufactured lot as  
15 installed materials. Supply in clean, clearly marked cartons for Owner's use.

16  
17 **PART 2 PRODUCTS**

18  
19 **Resilient Base**

20 FS SS-W-40, Type II, matte finish, homogeneous vinyl, 4" high, min. 0.080" gage, with integral cove.

21  
22 Weldable vinyl roll cove base shall be FS SS-W-40, Type II, 4" high, 1/8" gage, with wide contact toe for  
23 secure weld to floor. Materials shall be VPI Series 300 base using No. 300 or 600 adhesive and VPI Dura-  
24 Weld kit and Dura-Weld sealant; or approved equal.

25  
26 **Vinyl Sheet Flooring**

27 Commercial, resilient vinyl sheet flooring, 0.080" overall gage with 0.055" gage vinyl composition chips in  
28 a vinyl matrix wear layer, min. 6 ft. in width, with a flame spread rating of 75 or less (ASTM E84) and able  
29 to withstand static loads of 500 psi; Mannington - Magna series, color 18001 Graystone, to match existing  
30 stock.

31  
32 **Trim and Accessories**

33 Furnish required metal or tapered resilient edging to terminate resilient flooring. Color will be selected by  
34 A/E.

35  
36 **PART 3 EXECUTION**

37  
38 **Preparation**

39 Prior to installation of resilient work broom clean or vacuum surfaces to be covered and inspect substrates.  
40 Examine substrate and prepare as recommended by manufacturer. Notify in writing of unsatisfactory  
41 conditions. Start of installation indicates acceptance of substrate conditions.

42  
43 Maintain space at min. 70 deg. F. for 48 hours prior to installation. Cure concrete min. 28 days and until  
44 dry. Maintain 70 deg. F. temperature during and until 48 hours after installation.

45  
46 Fill voids, cracks, and depressions with appropriate material and remove ridges as recommended by  
47 manufacturer to achieve a smooth, level, and uniform flooring installation.

48  
49 **Installation - General**

50 Install resilient work after finishing and painting have been completed and permanent heating system is  
51 operating. Moisture content of concrete slabs, building air temperature and relative humidity must be  
52 within limits recommended by manufacturer.

53

1 Install materials with waterproof adhesive cement in compliance with manufacturer's recommendations.  
2 Butt tightly to vertical surfaces, thresholds, nosings and edging. Scribe as necessary around obstructions  
3 and to produce neat joints, laid tight, even, and straight. Extend flooring and base into toe spaces, door  
4 reveals, closets and similar openings.  
5

6 Maintain reference marks and openings that are in place or plainly marked for future cutting; repeat  
7 subfloor marks using non-permanent markings.  
8

9 Install flooring on floor access doors and other items within finished floor areas. Maintain continuity of  
10 color and pattern of flooring. Tightly cement edges to perimeter of floor around covers and to covers.  
11

12 Tightly cement resilient work to substrates without open cracks, voids, raising and puckering at joints,  
13 telegraphing of adhesive spreader marks, or other surface imperfections.  
14

15 Remove exposed adhesive and blemishes using neutral type cleaners as recommended by manufacturer.  
16 Protect installed materials from damage by construction traffic.  
17

18 Immediately prior to final inspection, thoroughly clean floors and accessories. Apply recommended sealers,  
19 coatings or wax and buff with type of wax, number of coats and procedures in compliance with flooring  
20 manufacturer's instructions.  
21

#### 22 **Installation - Sheet Flooring**

23 Lay sheet flooring to provide as few seams as possible. Match edges for color shading and pattern at seams  
24 in compliance with manufacturer's recommendations (such as reversing adjoining sheets of same roll).  
25

26 Install sheet vinyl in a full bed of manufacturer's standard adhesive with seam areas adhered with a specially  
27 formulated adhesive. Chemically bond seams to render them virtually invisible. Hand roll toward seams,  
28 forcing a small bead of adhesive into and up through seams. Remove excess adhesive with a damp cloth.  
29

30 Provide integral flash cove base where shown, including cove supporting binding strip and vinyl cap strip.  
31 Construct coved base in accordance with manufacturer's instructions.  
32

#### 33 **Installation - Base**

34 Apply resilient base to walls, columns, pilasters, casework and other permanent fixtures, such as cabinet  
35 bases, where base required. Install base in as long lengths as practicable. Fabricate corners from base  
36 material. Tightly bond base to backing throughout the length of each piece, with continuous contact at  
37 horizontal and vertical surfaces.  
38

39 Install weldable vinyl base in accordance with manufacturer's instructions.  
40

41 On masonry and other irregular surfaces, fill voids along top edge of base with manufacturer's  
42 recommended adhesive/filler material.  
43

#### 44 **Installation - Accessories**

45 Place resilient edge strips tightly butted to unprotected edges of flooring; secure with adhesive.  
46

47 Apply overlap metal edge. Secure units to substrate with countersunk stainless steel anchors, complying  
48 with manufacturer's recommendations.  
49

50 Apply butt type metal edge strips where shown prior to resilient flooring. Secure units to substrate with  
51 countersunk stainless steel anchors, complying with manufacturer's recommendations.  
52

53 \* \* \*

1 **SECTION 09 68 00 - CARPETING**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide carpet work as shown and as specified. Applicable Administrative Requirements shall govern all  
7 work under this section.

8  
9 **Submittals**

10 Submit complete colorways for selection together with certification from manufacturer that carpet meets  
11 flame-spread requirements.

12  
13 Submit shop drawings in accordance with Applicable Administrative showing carpet layout and seam  
14 patterns.

15  
16 Submit certification from manufacturer that carpet meets flame-spread requirements.

17  
18 **Manufacturer Qualifications**

19 Obtain carpeting materials from manufacturers who will, upon request, send a qualified technical  
20 representative to advise proper installation procedures.

21  
22 **PART 2 PRODUCTS**

23  
24 **Carpet**

25 Provide carpet in quantities and width to fit spaces as shown, free from defects, with uniform color and  
26 texture. Owner will provide carpet from attic stock, in the following quantities:

27  
28 Carpet 1 (Green): 800 yards

29 'Interface', Gradient II, Style: 1469602500, Color: ARC, # 9958, Pattern: Non-directional.

30  
31 Carpet 2 (Blue): 200 yards

32 Mannington, Style: Cartm, Color MILB, size 18x18.

33  
34 Should these quantities be insufficient, additional material will be provided under this contract. Attic stock  
35 material shall be used first, and the larger rooms shall be completed to provide the greatest efficiency of  
36 coverage. Carpet replacement in each room shall consist entirely of new material or entirely of attic stock,  
37 without mixture.

38  
39 **Carpet Edge Guard**

40 Manufacturer's standard bend down type of formed of extruded, black anodized aluminum carpet edge  
41 guard stripping. Form units with concealed teeth to grip the carpet from below, holes for nailing to the  
42 substrate, and tapered smooth safety top bar to be bent down over the carpet to secure it in the stripping.

43  
44 Provide integral color finish, as selected from manufacturer's standard finishes.

45  
46 **Adhesive for Carpet**

47 Adhesive recommended by carpet manufacturer. Complying with manufacturer's warranty requirements.  
48 Provide adhesive that complies with flame spread rating required for carpet installation, if any.

49  
50 **Miscellaneous Materials**

51 Provide the types of seaming tape, thread, nails, adhesives, and other accessory items recommended by the  
52 carpet manufacturer for the conditions of installation and use, without failure during the life of the carpet.

53

1 **PART 3 EXECUTION**

2  
3 **Installation - General**

4 Sweep and vacuum substrate immediately prior to carpet installation, and remove all deleterious substances  
5 that would interfere with the installation or be harmful to the work. Remove oil and grease using  
6 commercial cleaner. Remove ridges and protrusions; fill cracks and gaps over 1/16" with latex filler or  
7 patching sealer.

8  
9 Comply with manufacturer's instructions and recommendations. Place seams in the directions indicated,  
10 and as accepted on shop drawings, if any. Maintain direction of pattern and texture, including lay of pile.  
11 Do not seam weft to warp, except as directed.

12  
13 Extend carpet under open-bottomed and raised-bottom obstructions, and under removable flanges of  
14 obstructions. Extend carpet into closets and alcoves of rooms indicated to be carpeted, unless another floor  
15 finish is indicated for such spaces. Extend carpet under all movable furniture and equipment, unless  
16 otherwise indicated.

17  
18 Provide cutouts as indicated for removable access devices in the substrate. Bind edges neatly and secure  
19 both sides of cuts to the substrate. Use double-faced tape on carpet cutouts that must be lifted from the  
20 substrate to gain access to the devices, unless otherwise indicated. Cut only 3 sides wherever it is feasible  
21 to provide a carpet flap in lieu of a fully removable cutout.

22  
23 Install carpet edge guard at every location where edge of carpet is exposed to traffic, except where another  
24 device, such as an expansion joint cover system or threshold, is indicated with an integral carpet binder bar.

25  
26 **Glue-Down Installation**

27 Install a test sample to demonstrate proper adhesion and removal capability of the bonding system.  
28 Demonstrate installation and removal procedure to Owner's personnel, with A/E present.

29  
30 Cut and fit sections of carpet of each room of space, prior to application of adhesive.

31  
32 Applying adhesive, and separate release agent, if any, in accordance with manufacturer's instructions,  
33 complying with procedure demonstrated to be satisfactory by test sample. Butt carpet seams and edges  
34 tightly together, eliminate air pockets, and roll to ensure uniform bond everywhere. Cement the edges of  
35 the backing together in accordance with the manufacturer's; instructions.

36  
37 Remove adhesive from face promptly upon exposure.

38  
39 **Cleaning and Protection**

40 Remove debris from installation, carefully sorting pieces to be saved from scraps to be disposed of.

41  
42 Vacuum carpet with a commercial machine, with rotating agitator in the nozzle. Remove soiled spots.

43  
44 Protect carpet from soil and damage until Substantial Completion. Recommend the type of nonstaining  
45 cover material that should be used for protective cover.

46  
47 \* \* \*

1 **SECTION 09 90 00 - PAINTING & COATING**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide painting as shown on drawings and in schedules. Applicable Administrative Requirements shall  
7 govern all work under this section.

8  
9 **Related Sections**

10 Primer for metal door frames – Division 08.

11  
12 **Work Included**

13 Work includes painting and finishing items and surfaces throughout the project as designated on Drawings,  
14 in Schedules and as specified.

15  
16 Paint all surfaces exposed to view whether or not colors are designated in "schedules", except where natural  
17 finish is obviously intended or specifically noted. Where items or surfaces are not specifically mentioned,  
18 finish to match adjacent similar materials or areas.

19  
20 Work includes field painting of bare and covered pipes and ducts, when scheduled (including color coding  
21 and labeling), hangers, exposed ferrous metal work, and primed metal surfaces of equipment installed under  
22 mechanical and electrical work in finished areas only, except as otherwise specified.

23  
24 Examine specifications and drawings of other trades and become thoroughly familiar with provisions  
25 regarding their painting. Paint or finish all exposed surfaces and equipment left unfinished by other  
26 provisions of these specifications.

27  
28 **Work Not Included**

29 Shop Priming: Unless otherwise specified, shop primer coats are included under various sections for  
30 structural steel, miscellaneous metal, hollow metal work, architectural woodwork, and shop-fabricated or  
31 factory-built mechanical and electrical equipment, accessories, and similar items.

32  
33 Pre-finished Items: Unless otherwise indicated, do not paint factory finished or prefinished items, such as  
34 (but not limited to) toilet enclosures, acoustic materials, architectural woodwork and casework, finished  
35 mechanical and electrical equipment including light fixtures, switch gear and distribution cabinets, elevator  
36 entrance frames, doors and equipment.

37  
38 Concealed Surfaces: Unless otherwise indicated, painting is not required on surfaces such as walls or  
39 ceilings in concealed areas and inaccessible areas, foundation spaces, furred areas, utility tunnels, pipe  
40 spaces, duct shafts and elevator shafts.

41  
42 Finished metal Surfaces: Metal surfaces of anodized aluminum, stainless steel, chromium plate, copper,  
43 bronze and similar finished materials will not require finish painting, except as otherwise indicated.

44  
45 Operating Parts: Do not paint moving parts of operating units, sliding and bearing surfaces, mechanical and  
46 electrical parts, such as valve and damper operators, linkages, sinkages, sensing devices, motor and fan  
47 shafts, unless otherwise indicated.

48  
49 Labels: Do not paint over code-required labels, such as Underwriters' Laboratories and Factory Mutual, or  
50 any equipment identification, performance rating, name, or nomenclature plates.

1 **Definitions**

2 "Paint" as used herein means all coating systems materials, including primers, emulsions, enamels, stains,  
3 sealers and fillers, and other applied materials whether used as prime, intermediate or finish coats.

4  
5 SSPC - Steel Structures Painting Council.  
6 ASTM - American Society for Testing & Materials.  
7

8 **Submittals**

9 Submit manufacturer's specifications, including label analysis and application instructions for each material  
10 specified in accordance with Section 01 30 00.

11  
12 Furnish color charts of proposed products for selection.

13  
14 Upon request, submit samples for review of color and texture only. Compliance with all other requirements  
15 is the exclusive responsibility of the Contractor. Provide a listing of the material and application for each  
16 coat of each finish sample.

17  
18 **Delivery, Storage and Protection**

19 Deliver materials to job site in original, new and unopened packages and container bearing labels with the  
20 following information:

21  
22 Name or title of material.  
23 Federal Spec. number, if applicable.  
24 Manufacturer's stock number.  
25 Manufacturer's name.  
26 Contents by volume, for major pigment and vehicle constituents.  
27 Thinning instructions.  
28 Application instructions.  
29

30 **PART 2 PRODUCTS**

31  
32 **Paint & Coatings**

33 Paints and coatings shall be products of the following manufacturers.

34  
35 Benjamin Moore Paints  
36 Diamond Vogel Paints  
37 Glidden Professional Paints  
38 Hallman Lindsay  
39 Hirshfeld's  
40 Mautz  
41 Sherwin-Williams Paints  
42 Pratt and Lambert Paints  
43 PPG Industries, Inc. (Pittsburgh Paints)  
44

45  
46 Contractor shall submit to the A/E a specified list of materials he wishes to use for each finish specified if  
47 manufactured by a company other than that noted in Painting Schedule.

48  
49 Refer to drawings and painting schedule for finishes and coating systems to be applied to the various  
50 surfaces throughout the project.

51  
52 Provide undercoat paint produced by the same manufacturer as the finish coats. Use only thinners approved  
53 by the paint manufacturer, and use only within recommended limits.  
54

1 Provide best quality grade of coatings as regularly manufactured by approved paint manufacturers.  
2 Materials not displaying manufacturer's identification as a standard, best-grade product will not be  
3 acceptable.

4

5 **PART 3 EXECUTION**

6

7 **Substrate Examination**

8 Examine substrates and surfaces and conditions under which work is to be performed. notify in writing of  
9 any conditions detrimental to the performance of this work. Do not proceed with this work until  
10 unsatisfactory conditions have been corrected; starting of painting work will be construed as acceptance of  
11 the surface and conditions within any particular area.

12

13 Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions otherwise detrimental to  
14 the formation of a durable paint film.

15

16 **Surface Preparation**

17 Perform preparation and cleaning procedures in strict accordance with the paint manufacturer's instructions  
18 and as herein specified, for each particular substrate condition.

19

20 Remove all hardware, hardware accessories, machined surfaces, plates, lighting fixtures, and similar items  
21 in place and not to be painted, or provide surface-applied protection prior to surface preparation and  
22 painting operations. Remove, if necessary, for the complete painting of the items and adjacent surfaces.  
23 Following completion of painting of each space or area, reinstall the removed items by workmen skilled in  
24 the trades involved.

25

26 Clean surfaces to be painted before applying paint or surface treatments. Remove oil and grease prior to  
27 mechanical cleaning. Program the cleaning and painting so that contaminants from the cleaning process  
28 will not fall onto wet, newly painted surfaces.

29

30 Prepare cementitious surfaces of concrete, concrete block, cement plaster and cement-asbestos board to be  
31 painted b y removing all efflorescence, chalk, dust, dirt, grease, oils and by roughening as required to  
32 remove glaze.

33

34 Clean wood surfaces to be painted of all dirt, oil, or other foreign substances with scrapers, mineral spirits,  
35 and sandpaper, as required. Sandpaper smooth those finished surfaces exposed to view. Scrape and clean  
36 small, dry, seasoned knots and apply a thin coat of white shellac or other approved sealer, before  
37 application of the priming coat. After priming, fill holes and imperfections in finish surfaces with putty or  
38 plastic wood-filler. Sandpaper smooth when dried. Wipe off adhering dust.

39

40 **Material Preparation**

41 Mix and prepare painting materials in accordance with manufacturer's directions. Stir materials before  
42 application to produce a mixture of uniform density, and stir as required during the application of the  
43 materials. Do not stir film into the material; remove the film and , if necessary, strain material before using.

44

45 Store materials not in actual use in tightly covered containers. Maintain containers used in storage, mixing  
46 and application of paint in a clean condition, free of foreign materials and residue.

47

48 **Application**

49 Apply paint in accordance with the manufacturer's directions. Use applicators and techniques best suited  
50 for the type of material being applied.

51

52 Apply additional coats when undercoat, stains or other conditions show through the final coat of paint, until  
53 the paint film is of uniform finish, color and appearance.

54

1 Paint surfaces behind movable equipment and furniture to match exposed surfaces. Paint surfaces behind  
2 permanently fixed equipment or furniture with prime coat only.

3  
4 Paint interior surfaces of ducts, where visible through registers or grilles, with a flat, non-specular black  
5 paint.

6  
7 Paint the backsides of access panels, and removable or hinged covers to match the exposed surfaces.

8  
9 Finish exterior doors on tops, bottoms and side edges the same as the exterior faces, unless otherwise  
10 shown.

11  
12 Sand lightly between each succeeding enamel and varnish coat.

13  
14 Omit first coat (primer) on metal surfaces that have been shop-primed and touch-up painted, unless  
15 otherwise specified.

16  
17 **Refinishing of Existing Surfaces**

18 For remodeling projects, refinish existing painted, stained, and varnished surfaces as designated on  
19 Drawings.

20  
21 For existing painted surfaces, patch holes and abraded surfaces prior to repainting. Prime patched areas  
22 with an appropriate primer and prepare surface of each substrate as recommended by paint manufacturer.  
23 Provide one or more coats of paint as required to provide a uniform appearance and solid color for  
24 repainted surfaces. Paint used shall be as specified in Part 4 - Schedules for finish coat of the applicable  
25 substrate. Contractor shall be responsible for verifying compatibility of new finish paint with existing paint;  
26 provide barrier or intermediate tie coat if recommended by paint manufacturer.

27  
28 For existing stained and varnished surfaces, provide surface preparation as by coating manufacturer.  
29 Provide same coating system as specified in Part 4 - Schedules for the applicable substrate.

30  
31 **Protection**

32 Protect work of other trades, whether to be painted or not, against damage by painting and finishing work.  
33 Correct any damages by cleaning, repairing or replacing, and repainting.

34  
35 Provide "Wet Paint" signs as required to protect newly-painted finishes. Remove temporary protective  
36 wrappings provided by others for protection of their work after completion of painting operations.

37  
38 **Clean-up**

39 During progress of work, remove from the project all discarded paint materials, rubbish, cans and rags.  
40 Upon completion of painting work, clean all window glass and other paint-spattered surfaces. Remove  
41 spattered paint by proper methods of washing and scraping, using care not to scratch or otherwise damage  
42 finished surfaces.

43  
44 **PART 4 SCHEDULE**

45  
46 Provide the following finish coating systems for substrates as shown and/or scheduled and as herein  
47 specified. Paints by Sherwin Williams (S-W) are specified to establish a standard of type and quality.

48  
49 **Interior**

50  
51 **Gypsum Board.** Including walls, soffits, and ceilings:

52  
53 1 coat S-W PrepRite 200 latex wall primer, B28W200 series  
54 2 coat S-W ProMar 200 Latex Eggshell, B20 series

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34

**Ferrous Metals - Primed** or Prefinished. In finished areas, paint to match adjacent surface or as scheduled below, including such as grilles, louvers, ductwork, conduit, piping, electrical panel covers, baseboard radiation, convector cabinets, access covers, equipment enclosures, raceways and similar surfaces:

Touch up bare metal with primer.  
2 coats            S-W Industrial Enamel, B54 series

**Exposed pipe insulation** covering shall receive 1 coat SW PrepRite ProBlock Latex, B51W20 series. Primer and finish coats same as adjacent surface.

**Ferrous Metals - Primed.** Including hollow metal doors, metal overhead doors, coiling doors, steel frames, miscellaneous steel fabrications, ladders, stairs railing:

touch up primer.  
2 coats            S-W Industrial Enamel, B54 series

**Wood - Painted.** Including trim, blocking:

1 coat            S-W Wall and Wood Primer Alkyd, B49W2  
2 coats            S-W ProMar 200 Alkyd Eggshell, B33 series

**Hardwood**            Stained. Including unfinished doors hardwood trim:

1 coat            S-W Wood Classics Interior Wood Stain, A 49 series  
1 coat            S-W Wood Classics Sanding Sealer, B26V43  
2 coats            S-W Wood Classics Fast Dry Satin Varnish, A66F390 series

**Plywood - Painted.** Including equipment wall backing so designated:

1 coat            S-W Wall and Wood Primer Alkyd, B49W2  
2 coats            S-W ProMar 200 Alkyd Eggshell, B33 series

\* \* \*

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1 **SECTION 10 28 00 – TOILET, BATH, & LAUNDRY ACCESSORIES**

2  
3 **PART 1 GENERAL**

4  
5 **Summary**

6 Provide toilet and bath accessory work as shown and as specified. Applicable Administrative Requirements  
7 shall govern all work under this section.

8  
9 **Submittals**

10 Submit detailed shop drawings in accordance with Section 01 30 00. Drawing and equipment cuts shall  
11 indicate size, quantity, location, materials and methods of fabrication, finish, etc. as required to define the  
12 work.

13  
14 Shop drawings shall indicate type and method of attachment or installation.

15  
16 **Delivery & Storage**

17 Package accessories at the factory after fabrication with sufficient protection to withstand the abuses of  
18 shipment to the project site. Special care shall be given fragile items such as mirrors. Inspect shipment for  
19 damage at time of receipt. All accessories shall be free from damage. Replace all damaged accessories.

20  
21 Arrange for a secure, dry and clean storage space inside the project for storage of the accessories. Provide  
22 cover and protection as may be required to prevent theft, damage, or abuse due to construction activities.

23  
24 **PART 2 PRODUCTS**

25  
26 **General Accessories**

27 All toilet accessories shall be the product of one manufacturer to coordinate finish, design, color, etc.  
28 Provide products of standard manufacture of one of the following:

- 29  
30 American Specialties, Inc.  
31 McKinney Parker  
32 Bobrick Washroom Equipment, Inc.  
33 Bradley Washfountain Co.

34  
35 The accessories listed below have been selected from the products of Bradley Corporation to establish  
36 design, function, type, style, finish, and installation method. Equivalent products by the manufacturers  
37 listed are accepted.

38  
39 **Specimen Pass-Thru Cabinet:** Bradex Model 9813, 18 gage satin-finish stainless steel exterior. Interlock  
40 mechanism permits only one door to open at a time. Removable drip tray.

41  
42 **PART 3 EXECUTION**

43  
44 **Inspection of Surfaces**

45 Installer must examine the areas and conditions under which toilet accessories are to be installed. Notify  
46 the Contractor of conditions detrimental to the proper and timely completion of the work. Do not proceed  
47 with the work until unsatisfactory conditions have been corrected in a manner acceptable to the Installer.

48  
49 **Installation**

50 Use concealed fastenings wherever possible.

51  
52 Provide anchors, bolts and other necessary fasteners, and attach accessories securely to walls and partitions  
53 in locations as shown or directed.

- 1
- 2 Install concealed mounting devices and fasteners fabricated of the same material as the accessories or of
- 3 galvanized steel.
- 4
- 5 Install exposed mounting devices and fasteners finished to match the accessories.
- 6
- 7 Provide theft-resistant fasteners for all accessory mountings.
- 8
- 9 Secure toilet room accessories to adjacent walls and partitions complying with the manufacturer's
- 10 instructions for each item and each type of substrate construction.
- 11
- 12 \* \* \*