

# CONSTRUCTION SPECIFICATIONS

May 4, 2014

Project #:  
Bid #:15-02AF

Bid Opening Date: May 19, 2015 @ 2:00pm CST

## City of Duluth Firehall Laundry Rooms Firehalls 1, 2, 4, 6, 7, 8, 10, and 11 Duluth, MN

### City of Duluth

Property and Facilities Management  
1532 W Michigan Street  
Duluth, MN 55806  
(218) 730-4432

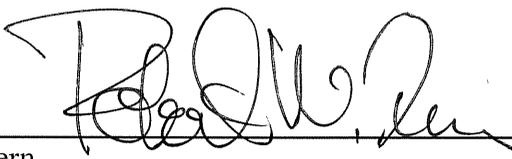


Project Name: City of Duluth Firehall Laundry Rooms  
Firehalls 1, 2, 4, 6, 7, 8, 10, and 11  
Duluth, MN

PROJECT NUMBER:

Date: May 4, 2015

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Name		Registration Number
Robert Fern		20088

ARCHITECT: RW Fern Associates, Inc.  
413 East Superior Street  
Duluth, Minnesota 55802  
(218)722-8271

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**Date: May 4, 2015**

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## CITY OF DULUTH INVITATION TO BID

PROJECT NAME/DESCRIPTION: City of Duluth Firehall Laundry Rooms  
Firehalls 1, 2, 4, 6, 7, 10, and 11, Duluth, Minnesota

PROJECT NUMBER:

BID NUMBER: 15-02AF

Sealed bids will be received by the City Purchasing Agent in and for the Corporation of the City of Duluth, Minnesota in Room 100 City Hall, Duluth, Minnesota 55802, (218) 730-5340 at 2:00 p.m., local time on Tuesday, May 19, 2015, for the City of Duluth Firehall Laundry Rooms – Firehalls 1, 2, 4, 6, 7, 8, 10, and 11, Duluth, Minnesota; immediately thereafter, bids will be taken to Room 106A City Hall where they will be publicly opened and read aloud.

### NOTICE TO BIDDERS:

1. **A Project Labor Agreement (PLA) will be required for any bid that is over or could virtually go over \$150,000.**
2. **Unless a Certificate of Exemption is provided, any out-of-state bidder receiving a bid award will have 8% retained from invoice payments on any contracts over \$50,000. Submit a signed copy from the State of Minnesota when submitting Payment and Performance Bonds. This form may be found at the following web address:**  
[http://www.revenue.state.mn.us/Forms\\_and\\_Instructions/sde.pdf](http://www.revenue.state.mn.us/Forms_and_Instructions/sde.pdf)
3. **A mandatory pre-bid meeting and walk-thru of the site will take place at 9am, Tuesday, August 19th, in room 106A, City Hall.**

This advertisement is also available on the City of Duluth website at  
[http://www.duluthgov.info/db\\_frames/bid\\_information.cfm](http://www.duluthgov.info/db_frames/bid_information.cfm)

ONLY IF REQUIRED – Each bidder must review the 2014 edition of the City of Duluth Public Works/Utilities Department – Engineering Division Standard Construction Specifications on the city website ([www.duluthmn.gov](http://www.duluthmn.gov)) as these Specifications are incorporated by reference and deemed to be a part of this project as if fully incorporated and set forth herein.

In general, this project consists of: Extensions of plumbing, electrical, and ducting systems to install new sinks and laundry equipment.

Proposal forms, contract documents, plans and specifications as prepared by the firm of RW Fern Associates are on file at the following offices: City Architect's Office; Duluth Builder's Exchange; Minnesota Builder's Exchange.

Copies of these plans and specifications may be obtained from Sheldon Planroom, 124 E Superior St, Duluth, MN 55802. Copies of bidding documents may be obtained by purchase from Sheldon's.

A certified check or bank draft payable to the order of the City of Duluth, negotiable U.S. Government Bonds (at par value), or a satisfactory bid bond executed by the bidder and acceptable surety, in an amount equal to five percent (5%) of the total bid, shall be submitted with each bid.

Attention is called to the fact that not less than the minimum salaries, wages and benefits as set forth in the contract documents must be paid on this project. The contractor must take affirmative action to ensure that the employees and applicants for employment are not discriminated against because of their race, color, creed, sex or national origin and must meet the affirmative action goals. Contractors are encouraged to subcontract with disadvantage business enterprises when possible.

The contractor will comply with all local, state and federal laws, rules and regulations applicable to the contract to the work to be done and materials to be supplied hereunder. All building permits are to be acquired from the Building Safety Division and paid for by the contractor.

The City of Duluth reserves the right to reject any or all bids or to waive any informalities in the bidding. Bids may be held by the City of Duluth for a period not to exceed thirty (30) days from the date of opening the bids for the purpose of reviewing the bids and investigating the qualifications of the bidders, prior to awarding the contract.

The City of Duluth is an Equal Opportunity Employer. Contractor shall comply with all applicable Equal Employment Opportunity laws and regulations.

CITY OF DULUTH

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Wayne Parsons  
Purchasing Agent

## INSTRUCTIONS TO BIDDERS

1. Use of Separate Bid Forms. These contract documents include a complete set of bidding and contract forms which are for the convenience of bidders and are not to be detached from the contract document, filled out, or executed. Separate copies of bid forms are furnished for that purpose.
2. Interpretations or Addenda. No oral interpretation will be made to any bidder as to the meaning of the contract documents or any part thereof. Every request for such an interpretation shall be made in writing and emailed to *Robert Fern, RW Fern Associates, Inc.: Robert@rwfassociates.com*. Any inquiry received seven or more days prior to the date fixed for opening of bids will be given consideration. Every interpretation made to a bidder will be in the form of an addendum to the contract documents, and when issued, will be on file in the offices of the Purchasing Agent and City Architect at least five days before bids are opened. In addition, all addenda will be emailed to each person holding contract documents, but it shall be the bidder's responsibility to make inquiry as to the addenda issued. All such addenda shall become part of the contract, and all bidders shall be bound by such addenda, whether or not received by the bidders.
3. Inspection of Site. Each bidder should visit the site of the proposed work and become fully acquainted with the existing conditions there relating to construction and labor, and should fully understand the facilities involved, the difficulties, and the restrictions attending the performance of the contract. The bidder should thoroughly examine and become familiar with the drawings, technical specifications, and all other contract documents. The contractor, by the execution of the contract, shall in no way be relieved of any obligation under it due to failure to receive or examine any form or legal instrument or to visit the site and become acquainted with the existing conditions; and the City of Duluth will be justified in rejecting any claim based on facts regarding the failure to do so.
4. Alternative Bids. No alternative bids will be considered unless alternative bids are specifically requested by the technical specifications.
5. Bids.
  - a. All bids must be submitted on forms supplied by the City of Duluth Purchasing Agent and shall be subject to all requirements of the contract documents, including the drawings, and these Instructions to Bidders. All bids must be regular in every respect; and no interlineations, excisions, or special conditions shall be made or included in the bid form by the bidder.
  - b. Bid documents including the bid and the bid guaranty shall be enclosed in an envelope which shall be sealed and clearly labeled with the project number, if any, name of bidder, and date and time of bid opening, in order to guard against premature opening of the bid. If proposal is mailed, this envelope shall be placed in another envelope which shall be sealed and labeled with project number, if any, name of bidder, and date and time of bid opening -- and addressed to City of Duluth Purchasing Agent, 100 City Hall, Duluth, Minnesota 55802.

c. The City of Duluth may consider as irregular any bid on which there is an alteration of or departure from the bid form hereto attached, and at its option may reject the same.

d. If the project is awarded, it will be awarded by the City of Duluth to the lowest responsible bidder assuming that the bids are within funds available based on the lowest base bid and or in combination with selected alternates (if any). The alternates will be accepted in numerical priority order, as shown on the bid form. By the award of the contract, it is assumed that the work will be completed within the time-frame as specified within the contract documents.

e. Each bidder shall include in the bid the following information:

Principals -- Names  
Social Security Numbers  
Home Addresses, including city, state, & zip code

Firm -- Name  
Treasury Number  
Address  
City, State & Zip Code

Mechanical & Electrical Subcontractors -- Names of firms that will do the mechanical and electrical work and the amounts of the mechanical and electrical sub-bids, if applicable and when (where indicated on Bid Proposal Form).

## 6. Bid Guaranty.

a. The bid must be accompanied by a bid guaranty which shall not be less than five percent (5%) of the amount of the bid. At the option of the bidder, the guaranty may be a certified check, bank draft, negotiable U.S. Government bond (at par value), or a bid bond. No bid will be considered unless it is accompanied by the required guaranty. Certified check or bank draft must be made payable to the order of the City of Duluth, Minnesota. Cash deposits will not be accepted. The bid guaranty shall insure the execution of the agreement and the furnishing of the surety bond or bonds by the successful bidder, all as required by the contract documents.

b. Revised bids submitted before the opening of bids, whether forwarded by mail or telegram, if representing an increase in excess of two percent (2%) of the original bid, must have bid guaranty adjusted accordingly; otherwise, the bid will not be considered.

c. Certified checks or bank drafts, or the amount thereof, bid bonds, and negotiable U.S. Government bonds of unsuccessful bidders, will be returned as soon as practical after the opening of bids.

## 7. Collusive Agreements

a. The successful bidder on each City of Duluth construction project shall be required to execute a City of Duluth non-collusive affidavit to the effect that he has not entered into a collusive agreement with any other person, firm, or corporation in regard to any bid submitted.

b. Before executing any subcontract, the successful bidder shall submit the name of any proposed subcontractor for prior approval, and an affidavit substantially in the form provided in Section 103 of General Conditions hereof.

8. Unit Prices. The unit price for each of the several items in the proposal of each bidder shall include its prorata share of overhead so that the sum of the products obtained by multiplying the quantity shown for each item by the unit price bid represents the total bid. Any bid not conforming to this requirement may be rejected as informal. The special attention of all bidders is called to this provision; for should conditions make it necessary to revise the quantities, no limit will be fixed for such increased or decreased quantities nor extra compensation allowed, provided the net monetary value of all such additive and subtractive changes in quantities of such items of work (i.e., difference in cost) shall not increase or decrease the original contract price by more than twenty-five percent (25%), except for work not covered in the drawings and technical specifications as provided for in Section 109 hereof.

9. Corrections. Erasures or other changes in the bids must be explained or noted over the signature of the bidder.

#### 10. Time for Receiving Bids.

a. Bids received prior to the advertised hour of opening will be securely kept, sealed. The officer whose duty it is to open them will decide when the specified time has arrived, and no bid received thereafter will be considered.

11. Opening of Bids. At the time and place fixed for the opening of bids, the City Purchasing Agent will cause to be opened and publicly read aloud every bid received within the time set for receiving bids, irrespective of any irregularities therein. Bidders and other persons properly interested may be present, in person or by representative.

12. Withdrawal of Bids. Bids may be withdrawn by request of the bidder prior to bid opening. The bid guaranty of any bidder withdrawing a bid will be returned promptly.

#### 13. Award of Contract: Rejection of Bids.

a. The contract will be awarded to the responsible bidder submitting the lowest bid complying with the conditions of the Invitation to Bid. The City of Duluth, however, reserves the right to reject any and all such bids and to waive any informality in bids received whenever such rejection or waiver is in its interest.

b. The City of Duluth reserves the right to consider as unqualified to do the work of general

construction, any bidder who does not habitually perform with his own forces the major portions of the work involved in construction of the improvements embraced in the contract documents.

14. Execution of Agreement: Performance and Payment Bond.

a. Subsequent to the award and within ten (10) days after the prescribed forms are presented for signature, the successful bidder shall execute and deliver to the City of Duluth an agreement in the form as furnished by the City, in such number of copies as the City of Duluth may require.

b. Having satisfied all conditions of award as set forth elsewhere in these documents, the successful bidder shall, within the period specified in paragraph "a" above, furnish:

1) A performance bond for the use and benefit of the City of Duluth to complete the contract according to its terms, and conditioned on saving the City of Duluth harmless from all costs and charges that may accrue on account of completing the specified work; and

2) A payment bond for the use and benefit of all persons furnishing labor and materials for the performance of the contract conditioned upon the payment, as they become due, of all just claims for labor and materials.

Both the performance bond and the payment bond shall be in a penal sum of not less than the amount of the contract awarded. Such bonds shall be in the same form as that included in the contract documents and shall bear the same date as, or a date subsequent to, that of the agreement. A current power of attorney for the person who signs for any surety company shall be attached to such bonds.

c. The failure of the successful bidder to execute such agreement to supply the required bond or bonds within ten (10) days after the prescribed forms are presented for signature, or within such extended period as the City of Duluth may grant, based on reasons determined sufficient by the City of Duluth, shall constitute a default, and the City of Duluth may either award the contract to the next lowest responsible bidder or re-advertise for bids, and may charge against the bidder the difference between the amount of the bid and the amount for which a contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the bid bond. If a more favorable bid is received by re-advertising, the defaulting bidder shall have no claim against the City of Duluth for a refund.

15. Wages and Salaries.

a. Attention of bidders is particularly called to the requirements concerning the payment of not less than the prevailing wage and salary rates specified in the contract documents and the conditions of employment with respect to certain categories and classifications of employees.

b. The rates of pay set forth under General Conditions are the minimums to be paid during the life of the contract. It is therefore the responsibility of bidders to inform themselves as to local labor conditions, such as the length of work day and work week, overtime compensations, health and welfare contributions, labor supply, and prospective changes or adjustments of rates.

16. Equal Employment Opportunity. Attention of bidders is particularly called to the requirement for ensuring that employees and applicants for employment are not discriminated against because of their race, color, religion, sex, or national origin. (See Supplementary General Conditions, Part II, Section II).

17. Employment and Business. Attention of bidders is particularly called to the requirement that, to the greatest extent feasible, opportunities for training and employment made possible by this project shall be given to lower income residents of the City of Duluth. Additionally, efforts should be made, if any work is subcontracted, to award subcontracts to concerns located in or owned in substantial part by persons residing in the City of Duluth.

18. Sales and Use Taxes. It is assumed that, in the preparation of his proposal, the bidder has taken into consideration his liability from any sales, use, or excise tax that might be assessed in the purchase of, storage, use, or consumption of any materials, services, or supplies for performance of the contract work. Any such tax paid by the contractor will be considered as his expense, for which no direct compensation will be made by the City to the contractor over and above the accepted bid.

19. Pre-Bid/Pre-Construction Meetings.

a. Seven (7) days prior to bid date, a pre-bid meeting will be held (see Bid Form for time and place). All prime bidders are required to attend. All bidders will be allowed to make inquiries regarding the contract documents. All formal decisions will be documented by addendum. Failure of any prime bidders to attend this meeting could jeopardize the contract award.

b. Approximately seven (7) days after City Council approval of contract award, the successful bidder is required to attend a pre-construction meeting. At this meeting, the successful bidder will present his construction schedule, cost breakdown, required submittals, etc.

20. Equal Employment Opportunity (EEO) Affirmative Action Police Statement and Compliance Certificate.

a. The successful bidder on each City of Duluth construction project shall be required to execute a certificate substantially in the form herein provided.

b. Before executing any subcontract in excess of \$2,500, the successful bidder shall require the subcontractor to execute a form similar in nature to the form herein provided.



REQUEST FOR BID
Date: May 4, 2015
Project #:
Bid #: 15-02AF

CITY OF DULUTH

RETURN BY BID OPENING TIME TO:

PURCHASING DIVISION
100 City Hall
Duluth, Minnesota 55802
(218) 730-5000

City of Duluth Firehall Laundry Rooms –Firehalls 1, 2, 4, 6, 7, 8, 10, and 11

BID OPENING AT: 2:00PM ON TUESDAY, May 19, 2015

MANDATORY PRE-BID MEETING AT 1:00 PM ON TUESDAY MAY 12, 2015, ROOM 106A

NOTE: All bids must be written, signed and transmitted in a sealed envelope, plainly marked with the Subject Matter and Opening Date. The City of Duluth reserves the right to split award where there is substantial savings to the City, waive informalities and to reject any and all bids. Bidder shall state in proposal if Bid price is based on acceptance of total order. All applicable sales and/or use tax are to be included in the bid pricing. Bid will not be the only consideration for award of Bid. All pages shall be signed or initialed by authorized bidder’s representative as indicated at the bottom of the page(s) of the request for bid forms. City Project Contact: Robert Hurd, (218)730-4432 & rhurd@duluthmn.gov. The City of Duluth is an Equal Opportunity Employer.

RETURN BID IN DUPLICATE WITH DUPLICATE DESCRIPTIVE LITERATURE

BID DEPOSIT REQUIREMENTS: 5% of Bid Amount

Deposit shall mean cash, cashier=s check, or corporate surety bond payable to or in favor of City of Duluth.

PERFORMANCE and PAYMENT BONDS: Shall be required of the successful bidder. Bonds shall BOTH be in the full amount of the Contract amount.

INSURANCE CERTIFICATE: Shall be required per specified requirements per the attached requirements.

Designated F.O.B. Point:

City Architect

Jobsite(s)

Tax: Federal Excise Exemption

Account Number: 41-74-0056 K

NAME \_\_\_\_\_

ADDR1 \_\_\_\_\_

ADDR2 \_\_\_\_\_

ADDR3 \_\_\_\_\_

BASE BID \$ \_\_\_\_\_

Base bid includes all work related to the Firehall Laundry Rooms at Firehalls 1, 2, 4, 6, 7, 8, 10, and 11.

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

(Print)

Title

(SIGNATURE)

Telephone # \_\_\_\_\_

Email \_\_\_\_\_

Initial: \_\_\_\_\_

Date: May 4, 2015

Project #:

Bid #: 15-02AF

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**City of Duluth Firehall Laundry Rooms –Firehalls 1, 2, 4, 6, 7, 8, 10 and 11  
Duluth, MN**

The undersigned, having become familiar with the existing conditions on the project affecting the cost of the work, and with the Contract Documents which include the Invitation to Bid, the Contract Agreement Form, the Non-Collusion Affidavit, any/all Addenda, General Conditions (parts I & II), the Special Conditions, Technical Specifications, Drawings (as listed in the schedule of drawings), EEO Affirmative Action Policy Statement & Compliance Certificate, and Form of Surety Bond or Bond as prepared by the City of Duluth and on file in the office of the City Architect and City Purchasing Agent, and hereby proposes to furnish all supervision, technical personnel, labor, materials, machinery, tools, appurtenances, equipment & services, including utilities and transportation services required to complete the City of Duluth Firehall Laundry Rooms – Firehalls 1, 2, 4, 6, 7, 8, 10, and 11 by July 10, 2015.

LUMP SUM BASE BID: \$ \_\_\_\_\_

Bidder agrees to perform work as describe in the Specification and/or shown on the plans for a Sum of:

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(In words - See Additional Page(s) as required)

The Contractor is requested to furnish the information listed below:

PLUMBING SUBCONTRACTOR:

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List the name of the proposed plumbing sub-contractor and amount.

HVAC SUBCONTRACTOR:

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List the name of the proposed HVAC sub-contractor and amount.

ELECTRICAL SUBCONTRACTOR:

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List the name of the proposed electrical sub-contractor and amount.

Initial: \_\_\_\_\_

Completion Time:

The undersigned hereby affirms & agrees, if awarded a contract, to begin work immediately upon receipt of Notice to Proceed and to substantially complete the work by July 10, 2015.

Security in the sum of \$ \_\_\_\_\_ in the form of \_\_\_\_\_ is submitted herewith in accordance with the Instructions to Bidders, payable without condition to the City of Duluth which is agreed shall be retained as liquidated damages for the delay and extra expense caused the Owner if the undersigned fails to execute the contract and furnish bonds required by the contract documents.

Signed: \_\_\_\_\_ for

\_\_\_\_\_  
a partnership (or)

\_\_\_\_\_  
a corporation incorporated under the laws of the State of

\_\_\_\_\_  
President: \_\_\_\_\_ Vice President: \_\_\_\_\_

Secretary: \_\_\_\_\_ Treasurer: \_\_\_\_\_

Address(es): \_\_\_\_\_

\_\_\_\_\_, being duly sworn, deposes and says that there are no other persons comprising above company or firm than the above names, and that there are no persons or corporations interested in the forgoing proposals, either as principal or subcontractor, other than the above names; also that the proposals are made without any connection with any person or persons acting in any official capacity whatever for the City of Duluth is directly or indirectly interested therein, or any portion of the profit thereof.

Subscribed and Sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ A.D., \_\_\_\_\_,

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

Stamp/Seal  
\_\_\_\_\_

Addendum Receipt Acknowledgments:

Addendum #: _____	Dated: _____	_____ (initial)
Addendum #: _____	Dated: _____	_____ (initial)
Addendum #: _____	Dated: _____	_____ (initial)
Addendum #: _____	Dated: _____	_____ (initial)
Addendum #: _____	Dated: _____	_____ (initial)

Initial: \_\_\_\_\_

# PURCHASE ORDER TERMS AND CONDITIONS

1. **ACCEPTANCE.** ACCEPTANCE OF THIS ORDER BY SELLER IS EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS CONTAINED IN THIS ORDER. ANY TERM OR CONDITION STATED BY THE SELLER IN ANY PRIOR PROPOSAL, ON SELLER'S ACKNOWLEDGEMENT FORM, OR IN OTHERWISE ACKNOWLEDGING OR ACCEPTING THIS ORDER IS DEEMED BY BUYER TO BE A MATERIAL ALTERATION OF THIS ORDER AND IS HEREBY OBJECTED TO BY BUYER. ANY SUCH TERM OR CONDITION SHALL BE TOTALLY INAPPLICABLE TO THIS ORDER UNLESS SPECIFICALLY AGREED TO IN A WRITING SIGNED BY AN AUTHORIZED REPRESENTATIVE OF BUYER. ACCEPTANCE OF THE GOODS OR SERVICES COVERED BY THIS ORDER WILL NOT CONSTITUTE ACCEPTANCE BY BUYER OF SELLER'S TERMS AND CONDITIONS. ANY OF THE FOLLOWING ACTS BY SELLER SHALL CONSTITUTE ACCEPTANCE OF THIS ORDER AND ALL OF ITS TERMS AND CONDITIONS SIGNING AND RETURNING A COPY OF THIS ORDER; DELIVERY OF ANY OF THE GOODS ORDERED; INFORMING THE BUYER IN ANY MANNER OF COMMENCEMENT OF PERFORMANCE; OR RETURNING SELLER'S OWN FORM OF ACKNOWLEDGEMENT.
2. **PRICE.** If price (either fixed price or hourly rate[s] in case of a time and material order) and/or delivery is not specified by Buyer on the face of this orders, Seller shall immediately submit its best price, delivery date and/or schedule which shall be subject to Buyer's approval and acceptance. Seller warrants that the prices and other terms for the articles sold to Buyer under this order are not less favorable than those extended to all other customers for the same or like articles in equal or less quantities. In the event Seller reduces its price for such articles during the term of this order, Seller agrees to reduce the prices hereof accordingly. If this order is on a time and material basis, the following shall apply; price shall be (a) material at Seller's cost, less scrap, without any charge for handling or otherwise, plus (b) time at agreed hourly rate(s). If both engineering work and manufacturing work are involved, separate hourly rates shall be specified for each thereof. No overtime shall be employed in the performance of this order without Buyer's prior consent and unless separate overtime hourly rate(s) have been specified and agreed upon. No substantial portion of the order shall be subcontracted by Seller without Buyer's written consent. Seller shall maintain adequate accounting records in accordance with generally accepted accounting practice to substantiate all costs, which records shall be open to examination by Buyer at all reasonable times.
3. **PACKING AND SHIPPING.** If Goods are to be delivered under this order, the cost and fee negotiated for this order are deemed to include all packaging and/or storage cost. All Goods shall be packaged, marked, and otherwise prepared in accordance with good commercial practices to obtain lowest shipping rates. On containers, Seller shall mark handling and loading instructions, shipping information, order number, item and account number, shipment date, and names and addresses of Seller and Buyer. An itemized packing list shall accompany each shipment. Overshipments shall be returned to Seller at Seller's risk and expense. Early shipments may, at option of Buyer, be returned to Seller at Seller's risk and expense or may be retained by Buyer and Buyer shall not be liable for payment until the time originally scheduled hereon.
4. **F.O.B. AND RISK OF LOSS.** Unless otherwise specified on the face of this order, the F.O.B. point shall be Buyer's location designated on the face of this order. If transportation is F.O.B. Seller's location, Seller shall bear all risk of loss or damage to the Goods until delivery of the Goods to the carrier. If transportation is F.O.B. Buyer's location, Seller shall bear all risk of loss or damage to the Goods until delivery of the Goods to Buyer's location.
5. **INVOICING.** All invoices shall be rendered in duplicate unless otherwise specified and shall be rendered within 24 hours after each shipment. Taxes, freight and similar charges shall be shown separately. Each invoice shall be accompanied by bill of lading or express receipt. Payments shall be subject to adjustment for errors, shortages, rejections and other causes. Discount period, if any, shall commence on the date invoice is received or goods are received, whichever is later. Buyer secures blanket coverage on all inbound freight. Invoice charges for additional insurance will not be honored unless otherwise specified.
6. **INSPECTION.** All material and workmanship shall be subject to inspection and test by Buyer, both at plant of Seller and of Buyer. Payment shall be subject to final inspection at Buyer's plant. Buyer shall have the right to reject all goods not conforming to specifications or containing defective material or workmanship. Rejected goods shall be returned at Seller's expense and risk, including transportation both ways, promptly after notification of rejection. Buyer may elect to retain defective goods and to remedy defects and deduct cost of remediating same from amount due Seller. Seller warrants that goods shall be produced under a quality control system that provides at a minimum for the prevention and ready detection of discrepancies and for timely and positive corrective action. Seller warrants that he has or is able to obtain the best facilities necessary to meet the technical and regulatory requirements specified. Seller warrants that quality control records are maintained on file for a minimum of one year from date of shipment or as otherwise specified by contract. Buyer reserves the right, upon 72 hours notice, to audit the Seller's facilities and inspection records in connection with this order.
7. **WARRANTY.** In addition and without prejudice to all other warranties expressed or implied by law, Seller warrants that all material or goods covered by this order shall conform to drawings, specifications and other defects. All warranties, both expressed and implied, also constitute conditions and shall survive inspection, acceptance and payment and shall inure to the benefits of Buyer and its customers. Without limitation of any rights by reason of any breach of warranty or otherwise, material or goods which are not as warranted may at any time be returned to Seller at Seller's expense for credit, correction or replacement as Buyer may direct.
8. **COMPLIANCE WITH LAWS.** Seller shall comply with all federal, state, and local laws, ordinances, rules and regulations in the manufacture and sale of the Goods and performance of its Services, including but not limited to the Occupational Safety and Health Act, the Truth in Negotiation Act, the Resources Conservation and Recovery Act and all applicable requirements of the Fair Labor Standards Act. Seller will defend and hold Buyer harmless from any loss, damages, or costs arising from or caused in any way by any actual or alleged violation of any federal, state, or local law, condition, rule, or regulation, or failure by the Seller to (i) have any chemical substances sold hereunder included in the list of approved chemical substances published by the Environmental Protection Agency pursuant to the Toxic Substances Control Act or (ii) provide a completed Material Safety Data Sheet (OSHA Form 20 equivalent) for any chemical substances sold hereunder as required by any federal, state or local law, ordinance, rule or regulation.
9. **CHANGES.** Buyer may, at any time by written order, make changes in drawings, designs, specifications, method of shipment or packing, time or place of delivery, require additional work, or direct the omission of work covered by this order. If any such change causes an increase or decrease in the price under this order, or in the time required for performance, an equitable adjustment shall be made and this order shall be modified in writing accordingly. Any claim for adjustment under this provision must be asserted within 10 days from date this change is ordered and the amount of such claim must be stated in writing within 30 days thereafter.
10. **BUYER'S PROPERTY, MATERIALS, AND EQUIPMENT.** If Buyer furnishes Seller material or "equipment" ("Equipment" is defined as special dies, molds, jigs, tools, gages, test equipment, masks, etc), or pays for such material or "equipment", title thereto shall remain or vest in Buyer, and Seller shall identify, maintain and preserve such material and "equipment" and shall dispose of it (including scrap) in accordance with Buyer's direction. Such material and "equipment", and whenever practical such individual item thereof shall be plainly marked or otherwise adequately identified by Seller as "property of the City of Duluth" and shall be safely stored separate and apart from Seller's property. Seller shall not substitute any property for Buyer's property. Unless otherwise authorized in writing by Buyer, Seller shall use such material or "equipment" only in the performance of purchase orders for Buyer. Seller shall be responsible for any loss, damage, or destruction to such material or "equipment" but Seller shall not include any insurance costs therefore in the cost charged under this order. Also, the "equipment" required to produce the supplies under this order is for the exclusive use of the City of Duluth and is subject to recall upon written notice.
11. **ASSIGNMENT.** Seller shall not assign this order or any rights under this order without the prior written consent of Buyer, and no purported assignment by Seller shall be binding on Buyer without such written consent.
12. **NOTICE OF LABOR DISPUTES.** Whenever an actual or potential labor dispute delays, or threatens to delay, the timely performance of this order. Seller shall immediately notify Buyer in writing of all relevant information with respect to such dispute.
13. **TERMINATION.** (a) Termination Without Cause. Buyer shall have the right, without cause, at any time to terminate all or any part of the undelivered portion of this order by written notice. If Seller has and desires to assert any claim on account of any such termination, Seller shall submit its termination claims to Buyer, in form and with evidence satisfactory to Buyer, promptly, but no later than 90 days after the effective date of the termination. If Seller fails to submit a termination claim within that time, Buyer shall have no liability to Seller on account of the termination. If Seller's termination claim is not acceptable to Buyer and cannot be settled by negotiation, the claim shall be submitted to arbitration. (b) Termination With Cause. If Seller fails to make any delivery in accordance with the agreed delivery date or schedule or terms or conditions applicable to this order. Buyer shall have the right (in addition to any other right or remedy at law or under this agreement) by written notice to terminate all or any part of the undelivered portion of this order without any liability to Seller on account thereof, in the articles elsewhere on such terms and in such manner as Buyer may deem appropriate and Seller shall be liable to Buyer for all excess costs occasioned Buyer thereby.
14. **PATENTS AND COPYRIGHTS.** Seller shall defend, at its own expense, any suit or claim that may be instituted against Buyer or any customer of Buyer for alleged infringement of patents or copyrights relating to the maintenance, sale, or use of the Goods, except for any such infringement resulting from Seller's compliance with detailed designs provided by Buyer, and Seller shall indemnify Buyer and its customers for all costs and damages arising out of such alleged infringement. Buyer shall have the right, at no additional charge, to use and/or reproduce the Seller's applicable literature, such as operating and maintenance manuals, technical publications, prints, drawings, training manuals, and other similar supporting documentation and sales literature. Seller shall advise Buyer of any updated information relative to the foregoing literature and documentation with timely notification in writing.
15. **PUBLIC LIABILITY INSURANCE.** Seller shall hold Buyer and its customer harmless from all injuries, damages and claims arising from performance of work or services covered by this order. Seller shall maintain such insurance as will protect the Seller, the Buyer and his customer from claims under Worker's Compensation Acts and from all other claims for damages, personal injury, or death to employees of the Seller, the Buyer or his Customer, or any other persons which may arise from performance of work or services covered by this order whether performed by the Seller or any Subcontractor or any one directly or indirectly employed by either of them. Certificates of such insurance shall be filed with the Buyer and shall be subject to Buyer's approval for adequacy of protection.
16. **DELAYS.** Time is of the essence. All actual or potential delays of whatever nature must be reported to the Buyer when and as they occur if the event can be expected to result in a delivery later than that shown on the face of this order. Seller agrees to indemnify Buyer for all losses, costs and damages resulting from Seller's delay or failure to deliver.
17. **GENERAL.** This order is formed under and shall be interpreted according to, and governed by, Minnesota law. No waiver by Buyer of any of its rights or remedies hereunder shall be construed as a waiver of any other rights or remedies.

## AFFIDAVIT AND INFORMATION REQUIRED OF BIDDERS

Affidavit of Non-Collusion:

I hereby swear (or affirm) under penalty of perjury:

- 1) That I am the bidder (if the bidder is an individual), a partner in the bidder (if the bidder is a partnership), or an officer or employee of the bidding 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 independently and have been submitted without collusion with and without agreement, understanding, or planned common course of action with any other vendor or materials, supplied, equipment or services described in the invitation to bid, designed to limit independent 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 person prior to the 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.

Signed: \_\_\_\_\_

Firm Name: \_\_\_\_\_

Subscribed and sworn to me before this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

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

My commission expires: \_\_\_\_\_

Bidder's E.I. Number \_\_\_\_\_  
(Number used on employer's quarterly Federal Tax return)

**EQUAL EMPLOYMENT OPPORTUNITY EEO AFFIRMATIVE ACTION  
POLICY STATEMENT & COMPLIANCE CERTIFICATE**

TO: City of Duluth, MN      PROJECT NUMBER & DESCRIPTION \_\_\_\_\_

FROM: \_\_\_\_\_

(FIRM's name, address, telephone number)

A) **Employment:** It is the policy of the above named FIRM to afford equal opportunity for employment to all individuals regardless of race, color, creed, religion, national origin, ancestry, age, sex, marital status, status with respect to public assistance and/or disability. The FIRM will take affirmative action to ensure that we will: (1) recruit, hire, and promote all job classifications without regard to race, color, creed, religion, national origin, ancestry, age, sex, marital status, status with respect to public assistance, and/or disability, except where sex is a bona fide occupational qualification; (2) base decisions on employment so as to further the principle of equal employment opportunity; (3) ensure that promotion decisions are in accord with the principles of equal employment opportunity by imposing only valid requirements for promotional opportunities; (4) ensure that all personnel actions such as compensation, benefits, transfers, layoffs, return from layoff, FIRM sponsored training, education tuition assistance, social and recreational programs will be administered without regard to race, color, creed, religion, national origin, ancestry, age, sex, marital status, status with respect to public assistance, and/or disability. The FIRM also intends full compliance with Veteran affirmative action requirements. Additionally, minority and female employees shall be encouraged to participate in all FIRM activities and refer applicants.

I have designated (name) \_\_\_\_\_ to direct the establishment of and to monitor the implementation of personnel procedures to guide the FIRM's affirmative action program. Where PROJECTS exceed \$500,000, this official shall also serve as the liaison officer that administers the FIRM's "Minority Business Enterprise Program." This official is charged with designing and implementing audit and reporting systems that will keep management informed on a monthly basis of the status of the equal opportunity area.

Supervisors have been made to understand that their work performance is being evaluated on the basis of their equal opportunity efforts and results, as well as other criteria. It shall be the responsibility of the FIRM and its supervisors to take actions to prevent harassment of employees placed through affirmative action efforts.

- B) Reports:** Unless exempted by law and regulation, the FIRM shall make available and file those reports related to equal opportunity as may be required by the City of Duluth and State and Federal compliance agencies. Requirements and Reports are defined in 41CFR60 "Compliance Responsibility for Equal Opportunity" published by the U. S. Department of Labor which is incorporated herein by reference. Additional requirements are defined in various State and Federal Civil Rights Legislation and Rules promulgated thereunder.
- C) Nonsegregated Facilities:** The FIRM certifies that it does not maintain or provide for its employees any segregated facilities at any of its establishments and that it does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The FIRM certifies that it will not maintain or provide for its employees any segregated facilities at any of its establishments and that it will not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The FIRM agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this certificate. As used in this Certification, the term "segregated facilities" means any waiting rooms, work area, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation for entertainment area, transportation, and housing facilities provided for employees which are segregated by explicit directive or are, in fact, segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise.
- D) Affirmative Action Compliance Program:** Unless exempted by regulation and law, the FIRM—if the FIRM has 50 or more employees and if the value of current contracts with the City of Duluth exceeds \$50,000—shall prepare and maintain a written affirmative action compliance program that meets the requirement as set forth in 41CFR60.
- E) Non-Compliance:** The FIRM certifies that it is not currently in receipt of any outstanding letters of deficiencies, show cause, probable cause, or other such notification of non-compliance with EEO Laws and Regulations.

- F) **Employment Goals - "Construction" Projects:** It shall be the goal of the FIRM if the PROJECT is of a construction nature that in all on-site employment generated that no less than 3% of the on-site workforce will be minority employees and that no less than 7% of the on-site workforce will be female employees. Further, it is the goal of the FIRM if the PROJECT is of a construction nature that in all on-site employment generated that no less than 3% of the work hours generated shall be worked by minority employees and that no less than 7% of the work hours generated shall be worked by female employees.
- G) **Subcontractors:** The FIRM will for all its PROJECT subcontractors regardless of tier (unless exempted by law and regulation) that received in excess of \$2,500 require that: (1) the subcontractor shall execute an "EEO Statement and Certification" similar in nature to this "Statement and Certification", (2) said documentation to be maintained on file with the FIRM or subcontractor as may be appropriate.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ by:

\_\_\_\_\_  
Printed name and title

\_\_\_\_\_  
Signature

**NOTE:** In addition to the various remedies prescribed for violation of Equal Opportunity Laws, the penalty for false statements is prescribed in 18 U.S.C. 1001.

# Withholding Affidavit for Contractors

IC-134

*This affidavit must be approved by the Minnesota Department of Revenue before the state of Minnesota or any of its subdivisions can make final payment to contractors.*

Please type or print clearly. This will be your mailing label for returning the completed form.

Company Name			Daytime phone	Minnesota tax ID number
Address			[ ]	
City	State	Zip	Total contract amount	Month/year work began
			\$	
			Amount still due	Month/year work ended
			\$	

Project number	Project location
Project owner	Address
	City
	State

Did you have employees work on this project:  Yes  No If no, who did the work?

Check the box that describes your involvement in the project and fill in all information requested.

**Sole contractor**

**Subcontractor**

Name of contractor who hired you:

Address:

**Prime contractor-** If you subcontracted out any work on this project, all of your subcontractors must file their own IC-134 affidavits and have them certified by the Department of Revenue before you can file your affidavit. For each subcontractor you had, fill in the information below and attach a copy of each subcontractor's certified IC-134. If you need more space, attach a separate sheet.

Business name	Address	Owner/Officer

*I declare that all information I have filled in on this form is true and complete to the best of my knowledge and belief. I authorize the Department of Revenue to disclose pertinent information relating to this project, including sending copies of this form, to the prime contractor if I am a subcontractor, and to any subcontractors if I am a prime contractor, and to the contracting agency.*

Contractor's signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Mail to: MN Dept. of Revenue, Withholding Division, Mail Station 6610, St. Paul, MN 55146-6610

Certificate of Compliance	
Based on records of the Minnesota Department of Revenue, I certify that the contractor who has signed this certificate has fulfilled all the requirements of Minnesota Statutes 290.92 and 290.97 concerning the withholding of Minnesota income tax from wages paid to employees relating to contract services with the state of Minnesota and/or its subdivisions.	
Department of Revenue approval:	Date:

# Instructions for Form IC-134

## Who must file

If you are a prime contractor, a contractor of a subcontractor who did work on a project for the state of Minnesota of any of its local government subdivisions—such as a county, city, or school district—you must file Form IC-134 with the Minnesota Department of Revenue.

This affidavit must be certified and returned before the state of any of its subdivisions can make final payment for your work.

## If you're a prime contractor and a subcontractor on the same project

If you were hired as a subcontractor to do work on a project and you subcontracted all or a part of your portion of the project to another contractor, you are a prime contractor as well. Fill out both the subcontractor and prime contractor areas on a single form.

## When to file

The IC-134 cannot be processed until you finish the work. If you submit the form before the project is completed, it will be returned to you unprocessed.

**If you are a subcontractor or sole contractor,** send in the form when you have completed your part of the project.

**If you are a prime contractor,** send in the form when the entire project is completed and you have received certified affidavits from all of your subcontractors.

## How to file

If you have fulfilled the requirements of Minnesota withholding tax laws, the Department of Revenue will sign your affidavit and return it to you.

If any withholding payments are due to the state, Minnesota law requires certified payments before we approve the IC-134.

Submit the certified affidavit to the government unit for which the work was done to receive your final payment. If you are a subcontractor, submit the certified affidavit to your prime contractor to receive your final payment.

## Where to file

Mail to:

MN Dept. of Revenue  
Withholding Tax Division  
Mail Station 6610  
St. Paul, MN 55416-6610

## Minnesota tax ID number

You must fill in your Minnesota tax ID number on the form. You must have a Minnesota tax ID number if you have employees who work in Minnesota.

If you don't have a Minnesota ID number, you must apply for one. Call (651) 282-5225 or 1-800-657-3605.

If you prefer, you can get an application (Form ABR) from our web site or by calling or writing us.

If you have no employees and did all the work yourself, you do not need a Minnesota tax ID number. If this is the case, fill in your Social Security number in the space for Minnesota tax ID number and explain who did the work.

The Department of Revenue needs all the information to determine if you have met all state income tax withholding requirements. If all required information is not provided, the IC-134 will be returned to you for completion.

All information on this affidavit is private by state law. It cannot be given to others without your permission, except to the Internal Revenue Service, other states that guarantee the same privacy, and certain government agencies as provided by law.

## Information and assistance

If you need help or more information to complete this form, call (651) 282-9999 or 1-800-657-3594.

Additional forms are available on our website at [www.taxes.state.mn.us](http://www.taxes.state.mn.us) or by calling (651) 296-4444 OR 1-800-657-3676. You can also write for forms at the following address:  
Minnesota Tax Forms  
Mail Station 1421  
St. Paul, MN 55146-1421

TTY users may contact the department through the Minnesota Relay Service at 1-800-627-3529.

We'll provide information in an alternative format upon request to persons with disabilities.

## Use of information



CITY OF DULUTH  
PERFORMANCE BOND

KNOW ALL MEN BY

THESE PRESENTS: That we:

\_\_\_\_\_ (contractor's name)  
(hereinafter called the "Contractor") located at: \_\_\_\_\_

\_\_\_\_\_ (contractor's address)

and \_\_\_\_\_ (surety's name)

(a corporation holding a certificate of the Insurance Commissioner of the State of Minnesota showing that it is authorized to contract as a surety, hereinafter called the "Surety") located at:

\_\_\_\_\_ (surety's address)

are held and firmly bound unto the City of Duluth (hereinafter called the "Owner"), in the penal sum of \_\_\_\_\_

Dollars (\$ \_\_\_\_\_) for the payment of which we bind ourselves, our heirs, executors and administrators, successors and assigns, for the faithful performance of a written contract for the purpose of:

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

according to plans, profiles, and specifications thereto annexed. A copy of that contract is incorporated herein by reference and is made a part hereof as if fully copied herein.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH That,

- A) If the Contractor shall in all respects comply with the terms and conditions of the Contract (which includes the contract documents) and such alterations as may be made in said contract as documents therein provide for, and shall complete the contract in accordance with its terms,
- B) If the Contractor shall indemnify, defend and save harmless the owner from all costs, expenses, damages, injury or conduct, want or care or skill, negligence or default, including patent infringement on the part of the Contractor, agents or employees, in the execution or performance of the contract,
- C) If the Contractor shall indemnify the owner for all costs that may accrue on account of the

enforcing of the terms of the bond, if action is brought on the bond, including reasonable attorney's fees, in any case where such action is successfully maintained,

D) If the Contractor shall comply with all laws pertaining to doing the work under the contract,

Then, this obligation shall be void; the Contractor and Surety jointly and severally agree to pay to the Owner any difference between the sum to which the Contractor will be entitled on the completion of the contract and that which the Owner may be obliged to pay for the completion of the work by contract or otherwise, and any damages, direct or indirect, or consequential, which the Owner may sustain on account of the work, or on account of the failure of the Contractor to properly and in all things, keep and execute all of the provisions of the Contract, provided however that Surety's liability to pay damages is limited to the amount of the Performance Bond as set forth above.

And, the said Contractor and Surety hereby further bind themselves, their successors, executors, administrators and assigns, jointly and severally, that they will employ and fully protect the said Owner against and will pay any and all amounts, damages, costs and judgements which may be recovered against or which the Owner may be called upon to pay to any person or corporation by reason of any damage arising from the performance of said work, repair or maintenance thereof, or the manner of doing the same, or the neglect of the said Contractor or his agents or servants, or the improper performance of the said work by the Contractor or his agents or servants, or the infringements of any patent rights by reason of the use of any material furnished or work done, as aforesaid, or otherwise. For the purpose of this paragraph, a subcontractor shall be deemed to be the agent or employee of the Contractor to the extent of his subcontract.

The Contractor and the Sureties do hereby expressly waive any objection that might be interposed as to the right of the Owner to require a bond containing the foregoing provisions, and they do hereby further expressly waive any defense which they or either and any of them might interpose to an action brought hereon by any person, firm, or corporation, including subcontractors, materialmen and third persons, for work, labor, services, supplies or material performed, rendered or furnished as aforesaid, upon the ground that there is no law authorizing the Owner to require the foregoing provisions to be placed in this bond.

And the Surety, for value received, hereby stipulates and agrees that the obligations of the Surety and this bond shall in no way be impaired or affected by any extension of time, modification, omission, addition or change in or to the contract or the work to be performed thereunder, or by any payment thereunder before the time required therein, or by any waiver of any provision thereof, or by any assignment, subletting or other transfer thereof, or of any part thereof, or of any work to be performed, or of any moneys due or to become due thereunder; and

the said Surety does hereby waive notice of any and all such extensions, modifications, omissions, additions, changes, payments, waivers, assignments, subcontracts and transfers, and hereby stipulates and agrees that any and all things done and omitted to be done by and in relation to executors, administrators, successors, assignees, subcontractors and other transferees, shall have the same effect as to said Surety as though done or omitted to be done by and in relation to the Contractor.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Name of Principal

\_\_\_\_\_  
By

\_\_\_\_\_  
Name of Surety

\_\_\_\_\_  
By  
Attorney-in-Fact

**ACKNOWLEDGEMENTS**

State of Minnesota )  
 ) ss. Principal – Individual  
County of St. Louis )

This instrument was acknowledged before me on \_\_\_\_\_  
by \_\_\_\_\_.

Notary Seal

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

State of Minnesota )  
 ) ss. Principal – Corporate or Partnership  
County of St. Louis )

This instrument was acknowledged before me on \_\_\_\_\_  
by \_\_\_\_\_ as \_\_\_\_\_  
of \_\_\_\_\_.

Notary Seal

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

State of Minnesota )  
 ) ss. Surety  
County of St. Louis )

Be It Known, That on this \_\_\_\_\_ day of \_\_\_\_\_ A. D., 20\_\_\_\_, came before me personally  
\_\_\_\_\_, to me personally known, who being  
by me duly sworn, did say that he/she is the \_\_\_\_\_(title) of

\_\_\_\_\_  
the above named corporation which executed the foregoing bond as surety; that the seal affixed to the foregoing  
instrument is the corporate seal of said corporation; that said instrument was executed in behalf of said corporation, by  
authority of its Board of Directors; that said corporation hold a certificate of the Insurance Commissioner of the State of  
Minnesota showing that it is authorized to contract as a surety; and said

\_\_\_\_\_  
acknowledged said instrument to be the free act and deed of said corporation.

Notary Seal

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

**APPROVED AS TO FORM, CORRECTNESS AND VALIDTY HEREOF**

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_

\_\_\_\_\_  
Assistant City Attorney Duluth MN

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_

\_\_\_\_\_  
Finance Director Duluth MN



CITY OF DULUTH  
PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: That we:

\_\_\_\_\_ (contractor's name)  
(hereinafter called the "Contractor") located at: \_\_\_\_\_

\_\_\_\_\_ (contractor's address)

and \_\_\_\_\_ (surety's name)

(a corporation holding a certificate of the Insurance Commissioner of the State of Minnesota showing that it is authorized to contract as a surety, hereinafter called the "Surety") located at:

\_\_\_\_\_ (surety's address)

are held and firmly bound unto the City of Duluth (hereinafter called the "Owner"), for the benefit of persons furnishing labor and materials for the contract set forth below, in the penal sum of

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_) for the payment of which we bind ourselves, our heirs, executors and administrators, successors and assigns, for the payment of all labor and materials supplied by any person in the performance of a written contract for the purpose of:

\_\_\_\_\_

according to plans, profiles, and specifications thereto annexed. A copy of that contract is incorporated herein by reference and is made a part hereof as if fully copied herein.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH That,

- A) If the Contractor shall make payments, as they may become due, to all persons supplying "labor and materials," as defined in Minnesota Statutes Section 574.26, used directly or indirectly by the Contractor, or his Subcontractor, in the prosecution of the work provided for in the contract,
- B) If the Contractor shall indemnify the owner or other claimant for all costs that may accrue on account of the enforcing of the terms of the bond, if action is brought on the bond, including reasonable attorney's fees, in any case where such action is successfully maintained,

Then, this obligation shall be void; otherwise it shall remain in full force and effect.

And, the said Contractor and Surety agree that in accordance with Minnesota Statutes Section 574.26 not only said City, but any person furnishing "labor and materials," as defined in Minnesota Statutes 574.26, may sue on this bond for their use on account of any sums due them for anything so furnished.

The Contractor and the Sureties do hereby expressly waive any objection that might be interposed as to the right of the Owner to require a bond containing the foregoing provisions, and they do hereby further expressly waive any defense which they or either and any of them might interpose to an action brought hereon by any person, firm, or corporation, including subcontractors, materialmen and third persons, for work, labor, services, supplies or material performed, rendered or furnished as aforesaid, upon the ground that there is no law authorizing the Owner to require the foregoing provisions to be placed in this bond.

And the Surety, for value received, hereby stipulates and agrees that the obligations of the Surety and this bond shall in no way be impaired or affected by any extension of time, modification, omission, addition or change in or to the contract or the work to be performed thereunder, or by any payment thereunder before the time required therein, or by any waiver of any provision thereof, or by any assignment, subletting or other transfer thereof, or of any part thereof, or of any work to be performed, or of any moneys due or to become due thereunder; and the said Surety does hereby waive notice of any and all such extensions, modifications, omissions, additions, changes, payments, waivers, assignments, subcontracts and transfers, and hereby stipulates and agrees that any and all things done and omitted to be done by and in relation to executors, administrators, successors, assignees, subcontractors and other transferees, shall have the same effect as to said Surety as though done or omitted to be done by and in relation to the Contractor.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Name of Principal

\_\_\_\_\_  
By

\_\_\_\_\_  
Name of Surety

By \_\_\_\_\_  
Attorney-in-Fact

**ACKNOWLEDGEMENTS**

State of Minnesota) ) ss. Principal – Individual  
County of St. Louis)

This instrument was acknowledged before me on \_\_\_\_\_  
by \_\_\_\_\_.

Notary Seal

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

State of Minnesota) ) ss. Principal – Corporate or Partnership  
County of St. Louis)

This instrument was acknowledged before me on \_\_\_\_\_  
by \_\_\_\_\_ as \_\_\_\_\_  
of \_\_\_\_\_.

Notary Seal

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

State of Minnesota) ) ss. Surety  
County of St. Louis)

Be It Known, That on this \_\_\_\_\_ day of \_\_\_\_\_ A. D., 20\_\_\_\_, came before me personally  
\_\_\_\_\_, to me personally known, who being  
by me duly sworn, did say that he/she is the \_\_\_\_\_ (title)  
of \_\_\_\_\_

the above named corporation which executed the foregoing bond as surety; that the seal affixed to the foregoing  
instrument is the corporate seal of said corporation; that said instrument was executed in behalf of said corporation, by  
authority of its Board of Directors; that said corporation hold a certificate of the Insurance Commissioner of the State of  
Minnesota showing that it is authorized to contract as a surety; and said \_\_\_\_\_  
acknowledged said instrument to be the free act and deed of said corporation.

Notary Seal

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

**APPROVED AS TO FORM, CORRECTNESS AND VALIDTY HEREOF**

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_

\_\_\_\_\_  
Assistant City Attorney Duluth MN

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_

\_\_\_\_\_  
Finance Director Duluth MN

# City of Duluth Indemnification & Insurance Requirements

(Updated February 16, 2011)

**(Please Be Sure These Requirements Can Be Met Before Submitting Your Response)**

## INDEMNIFICATION CLAUSE

The Contractor will defend, indemnify and save the City harmless from all costs, charges, damages, and loss of any kind that may grow out of the matter covered by this contract. Said obligation does not include indemnification of the City for claims of liability arising out of the sole negligent or intentional acts or omissions of City but shall include but not be limited to the obligation to defend, indemnify and save harmless the City in all cases where claims of liability against the City arise out of acts or omissions of City which are derivative of the negligence or intentional acts or omissions of Contractor such as, and including but not limited to, the failure to supervise, the failure to warn, the failure to prevent such act or omission by Contractor and any other such source of liability. In addition, Contractor will comply with all local, state and federal laws, rules and regulations applicable to this contract and to the work to be done and things to be supplied hereunder.

## INSURANCE

- a. Contractor shall provide the following minimum amounts of insurance from insurance companies authorized to do business in the state of Minnesota, which insurance shall indemnify Contractor and City from all liability described in the paragraph above, subject to provisions of subparagraph below.
  - (1) Worker's compensation in accordance with the laws of the state of Minnesota.
  - (2) Public Liability and Automobile Liability Insurance with limits not less than **\$1,500,00** Single Limit, and twice the limits provided when a claim arises out of the release or threatened release of a hazardous substance; shall be in a company approved by the city of Duluth; and shall provide for the following: Liability for Premises, Operations, Completed Operations, Independent Contractors, and Contractual Liability.
  - (3) City of Duluth shall be named as **Additional Insured** under the Public Liability, Excess/Umbrella Liability\* and Automobile Liability, or as an alternate, Contractor may provide Owners-Contractors Protective policy, naming itself and the City of Duluth. Contractor shall also provide evidence of Statutory Minnesota Worker's Compensation Insurance. Contractor to provide Certificate of Insurance evidencing such coverage with 30-days notice of cancellation, non-renewal or material change provisions included. The City of Duluth does not represent or guarantee that these types or limits of coverage are adequate to protect the Contractor's interests and liabilities.

*\*An umbrella policy with a “following form” provision is acceptable if written verification is provided that the underlying policy names the City of Duluth as an additional insured.*

- (4) If a certificate of insurance is provided, the form of the certificate shall contain an unconditional requirement that the insurer notify the City without fail not less than 30 days prior to any cancellation, non-renewal or modification of the policy or coverages evidenced by said certificate and shall further provide that failure to give such notice to City will render any such change or changes in said policy or coverages ineffective as against the City.
  - (5) **The use of an “Acord” form as a certificate of insurance shall be accompanied by two forms – 1) ISO Additional Insured Endorsement (CG-2010 pre-2004) and 2) Notice of Cancellation Endorsement (IL 7002) or equivalent, as approved by the Duluth City Attorney’s Office.**
- b. The insurance required herein shall be maintained in full force and effect during the life of this Agreement and shall protect Contractor, its employees, agents and representatives from claims and damages including but not limited to personal injury and death and any act or failure to act by Contractor, its employees, agents and representatives in the negligent performance of work covered by this Agreement.
  - c. Certificates showing that Contractor is carrying the above described insurance in the specified amounts shall be furnished to the City prior to the execution of this Contract and a certificate showing continued maintenance of such insurance shall be on file with the City during the term of this Contract.
  - d. The City shall be named as an additional insured on each liability policy other than the workers’ compensation policies of the Contractor.
  - e. The certificates shall provide that the policies shall not be changed or canceled during the life of this Contract without at least 30 days advanced notice being given to the City.
  - f. Contractor shall be required to provide insurance meeting the requirements of this Paragraph unless Contractor successfully demonstrates to the satisfaction of the City Attorney, in the exercise of his or her discretion, that such insurance is not reasonably available in the market. If Contractor demonstrates to the satisfaction of the City Attorney that such insurance is not reasonably available, the City attorney may approve an alternative form of insurance which is reasonably available in the market which he or she deems to provide the highest level of insurance protection to the City which is reasonably available.

Procedure verified by:

\_\_\_\_\_ Date \_\_\_\_\_  
Don Douglas, Claims Adjuster  
Duluth City Attorney’s Office

PRE-2004 CG 2010

A. **Section II - Who Is an Insured** is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of your ongoing operations performed for that insured.

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NOTICE OF CANCELLATIONS ENDORSEMENT IL-7002 (10-90)

All Coverage Parts included in this policy are subject to the following condition: If we cancel this policy for any reason other than non-payment of premium, we will mail advance notice to the person(s) or organization(s) as shown in the Schedule.

Schedule	
Person or Organization (Name and Address)	Advance Notice (Days)
City of Duluth Purchasing Division Room 100 City Hall 411 West First Street Duluth, MN 55802	30

**GENERAL CONDITIONS** 4-15-11

**PART I**

**101. DEFINITIONS**

Wherever used in any of the Contract Documents, the following meanings shall be given to the terms herein defined:

- a. The term "Contract" means the Contract executed by the City of Duluth in its capacity as agent for the City of Duluth and the Contractor, of which these GENERAL CONDITIONS form a part.
- b. The term "City" means the City of Duluth, Minnesota, which is authorized to undertake this Contract and within which the Project Area is situated or any employee of the City of Duluth designated by the City of Duluth for the purpose of inspecting, directing, or having in charge the work embraced in this Contract.
- c. The term "Contractor" means the person, firm, or corporation entering into the Contract with the City to construct and install the Improvements embraced in this Contract.
- d. The term "Project Area" means site within which is specified Contract limits of the Improvements contemplated to be constructed in whole or in part under this Contract.
- e. The term "Architect" means the architect or engineer licensed to practice architecture or engineering and serving the City with architectural or engineering services, or his authorized representative or successor.
- f. The term "Change Order" means a written order to the Contractor, signed by the City, issued after execution of the Contract, authorizing and directing a change in the Work or an adjustment in the contract sum or the contract time. The contract sum and the contract time may be changed only by Change Order.
- g. The term "Contract Documents" means and shall include the following: Executed Agreement, Addenda (if any), Invitation for Bids, Instructions to Bidders, Signed Copy of Bid, General Conditions, Special Conditions, Technical Specifications, and Drawings (as listed in the Schedule of Drawings), and all requested submittals such as Certificate of Insurance, performance and payment bonds, EEO Affirmative Action Policy Statement & Compliance Certificate, Certificate of Non-Collusion.
- h. The term "Drawings" means the drawings listed in the Schedule of Drawings.
- i. The term "Field Order" means a written interpretation necessary for the proper execution of the Work, in the form of drawings or otherwise issued to the Contractor by the City or the Architect.
- j. The term "Technical Specifications" means that part of the Contract Documents which describes, outlines and stipulates the quality of the materials to be furnished, the quality of workmanship required, and the methods to be used in carrying out the construction work to be performed under this Contract.
- k. The term "Addenda" or "Addendum" means any changes, revisions or clarifications of the Contract Documents which have been duly issued by the City to prospective Bidders prior to time of receiving Bids.
- l. The term "Work" means all labor necessary to produce the construction required by the Contract Documents, and all materials and equipment incorporated in such construction.

**102. SUPERINTENDENCE BY CONTRACTOR**

- a. Except where the Contractor is an individual and gives his personal superintendence to the work, the Contractor shall provide a competent superintendent, satisfactory to the City and the Architect, on the work at all times during working hours with full authority to act for him. The Contractor shall also provide an adequate staff for the proper coordination and expediting of his work.
- b. The Contractor shall lay out his own work and he shall be responsible for all work executed by him under the Contract. He shall verify all figures and elevations before proceeding with the work and will be held responsible for any error resulting from his failure to do so.

### **103. SUBCONTRACTS**

- a. The Contractor shall not execute an agreement with any subcontractor, or permit any subcontractor to perform any work included in this contract until he has submitted a noncollusion affidavit from the subcontractor in substantially the form attached and has received written approval of such subcontractor from the City.
- b. No proposed subcontractor shall be disapproved by the City except for cause.
- c. The Contractor shall be as fully responsible to the Owner for the acts and omissions of his subcontractors, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.
- d. The Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the work to require compliance by each subcontractor with the applicable provisions of this Contract.
- e. Nothing contained in this Contract shall create any contractual relationship between the subcontractor and the City.

### **104. OTHER CONTRACTS**

The City may award, or may have awarded, other contracts for additional work, and the Contractor shall cooperate fully with such other Contractors, by scheduling his own work with that to be performed under other Contracts as may be directed by the City. The Contractor shall not commit or permit any act which will interfere with the performance of work by any other Contractor as scheduled.

### **105. FITTING AND COORDINATION OF THE WORK**

The Contractor shall be responsible for the proper fitting of all work and for the coordination of the operations of all trades, subcontractors, or materialmen engaged upon this Contract. He shall be prepared to guarantee to each of his subcontractors the locations and measurements which they may require for the fitting of their work to all surrounding work.

### **106. MUTUAL RESPONSIBILITY OF CONTRACTORS**

If, through acts or neglect on the part of the Contractor, any other Contractor or any subcontractor shall suffer loss or damage on the work, the Contractor shall settle with such other Contractor or subcontractor by agreement or arbitration, if such other Contractor or subcontractor will so settle. If such other Contractor or subcontractor shall assert any claim against the City on account of damage alleged to have been so sustained, the City shall notify this Contractor, who shall defend at his own expense any suit based upon such claim, and, if any judgment or claims against the City shall be allowed, the Contractor shall pay or satisfy such judgment or claim and pay all costs and expenses in connection therewith.

### **107. PROGRESS SCHEDULE**

The Contractor shall submit for approval immediately after execution of the Agreement, a carefully prepared Progress Schedule, showing the proposed dates of starting and of completing each of the various sections of the work, the anticipated monthly payments to become due the Contractor and the accumulated percent of progress each month.

### **108. PAYMENTS**

#### **1) Partial Payments.**

- a. The Contractor shall prepare his requisition of partial payment as of the last day of the month and submit it, with the required number of copies, to the City contracting officer for his approval. The amount of the payment due the Contractor shall be determined by adding to the total value of work completed to date, the value of materials properly stored on the site and deducting (1) five percent (5%) of the total amount, this sum

to be retained until final payment and (2) the amount of all previous payments. The total value of the work completed to date shall be based on the estimated quantities of work completed and on the unit prices contained in the agreement. The value of materials properly stored on site shall be based upon the estimated quantities of such materials and the invoice prices. Copies of all invoices shall be available for the inspection of the Architect and the City.

b. Monthly or partial payments made by the City to the Contractor are moneys advanced for the purpose of assisting the Contractor to expedite the work of construction. The Contractor shall be responsible for the care and protection of all materials and work upon which payments have been made until final acceptance of such work and materials by the City. Such payments shall not constitute a waiver of the right of the City to require the fulfillment of all terms of the Contract and the delivery of all improvements embraced in this Contract complete and satisfactory to the City in all details.

## 2) Final Payment.

a. After final inspection and acceptance by the Architect and the City of all work under the Contract, the Contractor shall prepare his requisition for final payment which shall be based upon the carefully measured and computed quantity of each item of work at the applicable unit prices stipulated in the Agreement. The total amount of the final payment due the Contractor under this Contract shall be the amount computed as described above less all previous payments. Final payment to the Contractor shall be made subject to his furnishing the City with a release in satisfactory form of all claims against the City arising under and by virtue of his contract, other than such claims, if any, as may be specifically excepted by the Contractor from the operation of the release as provided under Section 113 hereof.

b. The City, before paying the final estimate, may require the Contractor to furnish releases or receipts from all subcontractors having performed any work and all persons having supplied materials, equipment (installed on the Project) and services to the Contractor, if the City deems the same necessary in order to protect its interest. The City, however, may if it deems such action advisable make payment in part or in full to the Contractor without requiring the furnishing of such releases or receipts and any payments so made shall in no way impair the obligations of any surety or sureties furnished under this Contract.

c. Withholding of any amount due the City under Section 403, entitled "Liquidated Damages," under SPECIAL CONDITIONS, shall be deducted from the final payment due the Contractor.

## 3) Withholding Payments

The City may withhold from any payment otherwise due the Contractor so much as may be necessary to protect the City and, if it so elects, may also withhold any amounts due from the Contractor to any subcontractors or material dealers for work performed or material furnished by them. The foregoing provisions shall be construed solely for the benefit of the City and will not require the City to determine or adjust any claims or disputes between the Contractor and his subcontractors or material dealers, or to withhold any moneys for their protection unless the City elects to do so. The failure or refusal of the City to withhold any moneys from the Contractor shall in no wise impair the obligations of any surety or sureties under any bond or bonds furnished under this Contract.

## 4) Payments Subject to Submission of Certificates.

Each payment to the Contractor by the City shall be made subject to submissions by the Contractor of all written certifications required of him and his subcontractors by Section II, Part II Supplementary General Conditions for Federally, State of Minnesota, and/or City Assisted Activities.

## 109. CHANGES IN THE WORK

a. The City may make changes in the scope of work required to be performed by the Contractor under the Contract by making additions thereto, or by omitting work therefrom, without invalidating the Contract, and

without relieving the Contractor from any of his obligations under the Contract or any guarantee given by him pursuant to the Contract provisions, and without affecting the validity of the guaranty bonds, and without relieving or releasing the surety or sureties of said bonds. All such work shall be executed under the terms of the original Contract unless is expressly provided otherwise.

b. Except for the purpose of affording protection against any emergency endangering health, life, or property, the Contractor shall make no change in the materials used or in the specified manner of constructing and/or installing the Improvements or supply additional labor, services, or materials beyond that actually required for the execution of the Contract, unless in pursuance of a written order from the City authorizing the Contractor to proceed with the change. No claim for an adjustment of the Contract Price will be valid unless so ordered.

c. If applicable unit prices are contained in the Agreement (established as a result of either a unit price bid or a Supplement Schedule of Unit Prices), the City shall order the Contractor to proceed with desired changes in the work, the value of such changes to be determined by the measured quantities involved and the applicable unit prices specified in the Contract; provided that, in case of a unit price contract the net value of all changes does not increase or decrease the original total amount shown in the Agreement by more than twenty-five percent (25%) in accordance with Section entitled Unit Prices, under INSTRUCTIONS TO BIDDERS.

d. If applicable unit prices are not contained in the Agreement or if the total net change increases or decreases the total Contract Price more than twenty-five (25%), the City shall, before ordering the Contractor to proceed with desired changes, request an itemized proposal from him covering the work involved in the change after which the procedure shall be as follows:

(1) If the proposal is acceptable, the City will prepare the change order in accordance therewith for acceptance by the Contractor.

(2) If the proposal is not acceptable and prompt agreement between the two parties cannot be reached, the City may order the Contractor to proceed with the work on a cost-plus limited basis; provided that this basis shall not apply to costs incurred by Contractor for any work done by any subcontractor, which work may proceed under the basis set forth in sub-subparagraph (3) below. A cost-plus-limited basis is defined as the net cost of the Contractor's labor, materials, and insurance plus fifteen percent (15%) of said net cost to cover overhead and profit, the total cost not to exceed a specified limit.

(3) If the proposal of the Contractor is not acceptable in whole or part because of the proposals of one or more of the subcontractors and prompt agreement between the two parties cannot be reached, the City may order the Contractor to proceed with the work and reimburse Contractor for work done by any subcontractor on the basis of that subcontractor's net cost of labor, materials, and insurance plus twenty percent (20%) of said net cost to cover overhead and profit, the total cost not to exceed a specified limit. Contractor shall supply all data to City which is necessary to determine any such subcontractor's net costs.

e. Each change order shall include in its final form:

(1) A detailed description of the change in the work.

(2) The Contractor's proposal (if any) of a confirmed copy thereof.

(3) A definite statement as to the resulting change in the Contract price and/or time.

(4) The statement that all work involved in the change shall be performed in accordance with the Contract requirements except as modified by the change order.

## **110. CLAIMS FOR EXTRA COST**

a. If the Contractor claims that any instructions by Drawings or otherwise involve extra cost or extension of time, he shall, within ten (10) days after the receipt of such instructions, and in any event, before proceeding to execute the work, submit his protest thereto in writing to the City, stating clearly and in detail the basis of his objections. No such claim will be considered unless so made.

b. Claims for additional compensation for extra work, due to alleged errors in ground elevations, contour lines, or bench marks, will not be recognized unless accompanied by certified survey data, made prior to the time the original ground was disturbed, clearly showing that errors exist which resulted, or would result, in handling

more material, or performing more work, than would be reasonably estimated from the Drawings and maps issued.

c. Any discrepancies which may be discovered between actual conditions and those represented by the documents shall at once be reported to the City and work shall not proceed, except at the Contractor's risk, until written instructions have been received by him from the City.

d. If, on the basis of the available evidence, the City determines that an adjustment of the Contract Price and/or time is justifiable, the procedure shall then be as provided in Section 109 hereof.

## **111. TERMINATION, DELAYS, AND LIQUIDATED DAMAGES**

### **a. Termination of Contract.**

If the Contractor refuses or fails to execute the work with such diligence as will insure its completion within the time specified in these Contract Documents, or as modified as provided in these Contract Documents, the City, by written notice to the Contractor, may terminate the Contractor's right to proceed with the work. Upon such termination, the City may take over the work and prosecute the same to completion, by contract or otherwise, and the Contractor and his sureties shall be liable to the City for any additional cost incurred by the City in its completion of the work and they shall also be liable to the City for liquidated damages for any delay in the completion of the work as provided below. If the Contractor's right to proceed is terminated, the City may take possession of and utilize in completing the work such materials, tools, equipment, and plant as may be on the site of the work and necessary therefore.

### **b. Liquidated Damages for Delays.**

If the work is not completed within the time stipulated in Section 7 (Special Conditions) hereof, including any extensions of time for excusable delays as herein provided, the Contractor shall pay to the City as fixed, agreed, and liquidated damages (it being impossible to determine the actual damages occasioned by the delay) for each calendar day of delay, until the work is completed, the amount as set forth in Section 7 (Special Conditions) hereof and the Contractor and his sureties shall be liable to the City for the amount thereof.

### **c. Excusable Delays.**

The right of the Contractor to proceed shall not be terminated nor shall the Contractor be charged with liquidated damages for any delays in the completion of the work due: (1) To any acts of the Government, including controls or restrictions upon or requisitioning of materials, equipment, tools, or labor by reason of war, National Defense, or any other national emergency;

(2) To any acts of the City;

(3) To causes not reasonably foreseeable by the parties to this Contract at the time of the execution of the Contract which are beyond the control and without the fault or negligence of the Contractor, including, but not restricted to, acts of God or of the public enemy, acts of another Contractor in their performance of some other contract with the City, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and weather of unusual severity such as hurricanes, tornadoes, cyclones, and other extreme weather conditions; and

(4) To any delay of any subcontractor occasioned by any of the causes specified in subparagraphs (1), (2) and (3) of this paragraph "c". Provided, however, that the Contractor promptly notify the City in writing within ten (10) days the cause of the delay. Upon receipt of such notification, the City shall ascertain the facts and the cause of the delay. If, upon the basis of facts and the terms of the Contract, the delay is properly excusable, the City shall extend the time for completing the work for a period of time commensurate with the period of excusable delay.

## **112. ASSIGNMENT OR NOVATION**

The Contractor shall not assign or transfer, whether by an assignment or novation, any of its rights, duties, benefits, obligations, liabilities, or responsibilities under this Contract without the written consent of the City; provided, however, that assignments to banks, trust companies, or other financial institutions may be made

without the consent of the City. No assignment or novation expressly provides that the assignment of any of the Contractor's rights or benefits under the Contract is subject to a prior lien for labor performed, services rendered, and materials, tools, and equipment supplied for the performance of the work under this Contract in favor of all persons, firms, or corporations rendering such labor or services or supplying such materials, tools, or equipment.

### **113. DISPUTES**

a. All disputes arising under this Contract or its interpretation, whether involving law or fact or both, or extra work, and all claims for alleged breach of contract shall, within ten (10) days of the first event giving rise to the dispute, be presented by the Contractor to the City for decision. All papers pertaining to claims shall be filed in quadruplicate. Such notice need not detail the amount of the claim but shall state the facts surrounding the claim in sufficient detail to identify the claim together with its character and scope. In the meantime, the Contractor shall proceed with the work as directed by the City. Any claim not presented within the time limit specified within this paragraph shall be deemed to have been waived, except that if the claim is of a continuing character and notice of the claim is not given within ten (10) days of the first event giving rise to it, the claim will be considered only for a period commencing ten (10) days prior to the receipt by the City of notice thereof.

b. The Contractor shall submit in detail his claim and his proof thereof. Each decision by the City will be in writing and will be mailed to the Contractor by registered or certified mail, return receipt requested, directed to his last known address or actually delivered to Contractor or its managing agent. All interpretations or decisions of the City shall be consistent with the Contract and its intent.

c. If the Contractor does not agree with any decision of the City, he shall in no case allow the dispute to delay the work but shall notify the City promptly that he is proceeding with the work under protest and he may then accept the matter in question from the final release. If the Contractor does not agree with any decision of the City, he may submit the matter to arbitration no later than thirty (30) days after the date on which the Contractor received the City's decision; provided, however, that the City shall not be required to submit to arbitration without its prior written consent; and if the City does consent to arbitration, then the Contractor shall pay all costs of such arbitration.

### **114. TECHNICAL SPECIFICATIONS AND DRAWINGS**

Anything mentioned in the Technical Specifications and not shown on the Drawings or shown on the Drawings and not mentioned in the Technical Specifications, shall be of like effect as if shown on or mentioned in both. In case of difference between Drawings and Technical Specifications, the Technical Specifications shall govern. In case of any discrepancy on Drawings or Technical Specifications, the matter shall be immediately submitted to the City, without whose decision, said discrepancy shall not be adjusted by the Contractor, save only at his own risk and expense.

### **115. SHOP DRAWINGS**

a. All required shop drawings, machinery details, layout drawings, etc. shall be submitted to the Architect or the City, as directed by the City, in two copies for approval sufficiently in advance of requirements to afford ample time for checking, including time for correcting, resubmitting and rechecking if necessary. The Contractor may proceed, only at his own risk, with manufacture or installation of any equipment or work covered by said shop drawings, etc. until they are approved and no claim, by the Contractor, for extension of the Contract time will be granted by reason of his failure in this respect.

b. Any drawing submitted without the Contractor's stamp of approval will not be considered and will be returned to him for proper resubmission. If any drawings show variations from the requirements of the Contract because of standard shop practice or other reason, the Contractor shall make specific mention of such variation in his letter of transmittal in order that, if acceptable, suitable action may be taken for proper

adjustment of contract price and/or time, otherwise the Contractor will not be relieved of the responsibility for executing the work in accordance with the Contract even though the drawings have been approved.

c. If a shop drawing with the Contractor involves only a minor adjustment in the interest of the City not involving a change in Contract price or time, the Architect may approve the drawing. The approval shall be general, shall not relieve the Contractor from his responsibility for adherence to the Contract or for any error in the drawing and shall contain in substance the following: "The modification shown on the attached drawing is approved in the interest of the City to effect an improvement for the Project and is ordered with the understanding that it does not involve any change in the Contract price or time; that it is subject generally to all Contract stipulation and covenants; and that it is without prejudice to any and all rights of the City under the Contract and surety bond or bonds."

#### **116. REQUEST FOR SUPPLEMENTARY INFORMATION**

It shall be the responsibility of the Contractor to make timely requests of the City for any additional information not already in his possession which should be furnished by the City under the terms of this Contract, and which he will require in the planning and execution of the work. Such requests may be submitted in writing from time to time as the need is approached, but each shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay. Each request shall be in writing, and list the various items and the latest date by which each will be required by the Contractor. The first list shall be submitted within two (2) weeks after Contract award and shall be as complete as possible at that time. The Contractor shall, if requested, furnish promptly any assistance and information the City may require in responding to these requests of the Contractor. The Contractor shall be fully responsible for any delay in his work or to others arising from his failure to comply fully with the provisions of this Section.

#### **117. MATERIALS AND WORKMANSHIP**

a. Unless otherwise specifically provided for in the Technical Specifications, all workmanship, equipment, materials and articles incorporated in the work shall be new and the best grade of the respective kinds for the purpose. Where equipment, materials, articles or workmanship are referred to in the Technical Specifications as an equal to any particular standard, the City shall decide the question of equality.

b. The Contractor shall furnish to the City for approval the manufacturer's detailed specifications for all machinery, mechanical and other special equipment, which he contemplates installing together with full information as to type, performance characteristics, and all other pertinent information as required, and shall likewise submit for approval as required full information concerning all other materials or articles which he proposes to incorporate in the work. (See Section 118 hereof)

c. Machinery, mechanical and other equipment, materials or articles installed or used without such prior approval shall be at the risk of subsequent rejection.

d. Materials specified by reference to the number or symbol of a specific standard, such as A.S.T.M. Standard, a Federal Specification or other similar standard, shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of the Invitation for Bids, except as limited to type, class or grade, or modified in such reference. The Standards referred to, except as modified in the Technical Specifications shall have full force and effect as though printed therein.

e. The City may require the Contractor to dismiss from the work such employee or employees as the City may deem incompetent, or careless, or insubordinate.

#### **118. SAMPLES, CERTIFICATES AND TESTS**

a. The Contractor shall submit all material or equipment samples, certificates, affidavits, etc. as called for in the Contract Documents or required by the Architect, promptly after award of the Contract and acceptance of the Contractor's Bond. No such material or equipment shall be manufactured or delivered to the site, except at the Contractor's own risk, until the required samples or certificates have been approved in writing by the

City or the Architect. Any delay in the work caused by late or improper submission of samples or certificates for approval shall not be considered just cause for an extension of the contract time. Each sample submitted by the Contractor shall carry a label giving the name of the Contractor, the project for which it is intended, and the name of the producer. The accompanying certificate or letter from the Contractor shall state that the sample complies with Contract requirements, shall give the name and brand of the product, its place of origin, the name and address of the producer and all specifications or other detailed information which will assist the Architect or the City in passing upon the acceptability of the sample promptly. It shall also include the statement that all materials or equipment furnished for use in the project will comply with the samples and/or certified statements.

b. Approval of any materials shall be general only and shall not constitute a waiver of the City's right to demand full compliance with Contract requirements. After actual deliveries, the City or the Architect will have such check tests made as they deem necessary in each instance and may reject materials and equipment and accessories for cause, even though such materials and equipment have been given general approval. If materials, equipment or accessories which fail to meet check tests have been incorporated in the work, the City or the Architect will have the right to cause their removal and replacement by proper materials or to demand and secure such reparation by the Contractor as is equitable.

c. Except as otherwise specifically stated in the Contract, the costs of sampling and testing will be divided as follows:

(1) The Contractor shall furnish without extra cost, including packing and delivery charges, all samples required for testing purposes, except those samples taken on the project by the City or the Architect; (2) The Contractor shall assume all costs of retesting materials which fail to meet Contract requirements;

(3) The Contractor shall assume all costs of testing materials offered in substitution for those found deficient; and

(4) The City will pay for all other testing expenses.

## **119. CARE OF WORK**

a. The Contractor shall be responsible for all damages to persons or property that occur as a result of his fault or negligence in connection with the prosecution of the work and shall be responsible for the proper care and protection of all work performed until completion and final acceptance, whether or not the same has been covered in whole or in part by payments made by the City.

b. In an emergency affecting the safety of life, limb or property, including adjoining property, the Contractor, without special instructions or authorization from the City is authorized to act at his own discretion to prevent such threatened loss or injury, and he shall so act. He shall likewise act if instructed to do so by the City. Any compensation claimed by the Contractor on account of such emergency work will be determined by the City as provided in Section 109 hereof.

c. The Contractor shall avoid damage as a result of his operations to existing sidewalks, streets, curbs, pavements, utilities (except those which are to be replaced or removed), adjoining property, etc., and he shall at his own expense completely repair any damage thereto caused by his operations.

d. The Contractor shall shore up, brace, underpin, secure and protect as may be necessary all foundations and other parts of existing structures adjacent to, adjoining, and in the vicinity of the site, which may be in any way affected by the excavations or other operations connected with the construction of the Improvements embraced in this Contract. The Contractor shall be responsible for the giving of any and all required notices to any adjacent or adjoining property owner or other party before the commencement of any work. The Contractor shall indemnify and save harmless the City from any damages on account of settlements or the loss of lateral support of adjoining property and from all loss or expense and all damages for which the City may become liable in consequence of such injury or damage to adjoining structures and their premises.

## **120. ACCIDENT PREVENTION**

- a. The Contractor shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property, either on or off the site, which occur as a result of his fault or negligence in connection with the prosecution of the work. The safety provisions of applicable Federal, State and local laws and ordinances and building and construction codes shall be observed and the Contractor shall take or cause to be taken such additional safety and health measures as the City may determine to be reasonably necessary. Machinery, equipment, and all hazards shall be guarded in accordance with the safety provisions of the A Manual of Accident Prevention in Construction published by the Associated General Contractors of America, Inc., to the extent that such provisions are not in conflict with applicable local laws.
- b. The Contractor shall maintain an accurate record of all cases of death, occupational disease, and injury requiring medical attention or causing loss of time from work, arising out of and in the course of employment on work under the Contract. The Contractor shall promptly furnish the Owner with reports concerning these matters.

### **121. SANITARY FACILITIES**

The Contractor shall furnish, install, and maintain ample sanitary facilities for the workmen. As the needs arise a sufficient number of enclosed temporary toilets shall be conveniently placed as required by the sanitary codes of the State and Local Government. Drinking water shall be provided from an approved source, so piped or transported as to keep it safe and fresh and served from single service containers or satisfactory types of sanitary drinking stands or fountains. All such facilities and services shall be furnished in strict accordance with existing and governing health regulations.

### **122. USE OF PREMISES**

- a. The Contractor shall confine his equipment, storage of materials, and construction operations to the Contract limits as shown on the Drawings and as prescribed by ordinances or permits, or as may be directed by the City, and shall not unreasonably encumber the site or public rights of way with his materials and construction equipment.
- b. The Contractor shall comply with all reasonable instructions of the City and the ordinances and codes of the Local Government regarding signs, advertising, traffic, fires, explosives, danger signals, barricades.

### **123. REMOVAL OF DEBRIS, CLEANING, ETC.**

The Contractor shall, periodically or as directed during the progress of the work, remove and legally dispose of all surplus excavated material and debris, and keep the Project Area and public rights of way reasonably clear. Upon completion of the work, he shall remove all temporary construction facilities, debris and unused materials provided for the work, and put the whole site of the work and public rights of way in a neat and clean condition. Trash burning on the site of the work will be subject to prior approval of the City and existing State and local regulations.

### **124. INSPECTION**

- a. All materials and workmanship shall be subject to inspection, examination or test by the City or the Architect at any and all times during manufacture or construction and at any and all places where such manufacture or construction is carried on. The City shall have the right to reject defective or substandard material and workmanship or require its correction. Unacceptable workmanship shall be satisfactorily corrected. Rejected material shall be promptly segregated and removed from the Project Area and replaced with material of specified quality without charge therefor. If the Contractor fails to proceed at once with the correction of rejected workmanship or defective material, the City may contract or otherwise have the defects remedied or rejected materials removed from the Project Area and charge the cost of the same against any moneys which may be due the Contractor, without prejudice to any other rights or remedies of the City.

- b. The Contractor shall furnish promptly all materials reasonably necessary for any tests which may be required. (See Section 118 hereof). All tests by the City will be performed in such a manner as not to delay the work unnecessarily and will be made in accordance with the provisions of the Technical Specifications.
- c. The Contractor shall notify the City sufficiently in advance of back-filling or concealing any facilities to permit proper inspection. If any facilities are concealed without approval or consent by the City, the Contractor shall uncover for inspection and recover such facilities all at his own expense, when so requested by the City. Should it be considered necessary or advisable by the City at any time before final acceptance of the entire work to make an examination of work already completed by uncovering the same, the Contractor shall on request promptly furnish all necessary facilities, labor, and material. If such work is found to be defective in any important or essential respect, due to fault of the Contractor or his subcontractors the Contractor shall defray all the expenses of such examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the Contract, the actual cost of labor and material necessarily involved in the examination and replacement, plus 15 percent of such costs to cover superintendence, general expenses and profit, shall be allowed the Contractor and he shall, in addition, if completion of the work of the entire Contract has been delayed thereby, be granted a suitable extension of time on account of the additional work involved.
- d. Inspection of materials and appurtenances to be incorporated in the Improvements embraced in this Contract may be made at the place of production, manufacture or shipment, whenever the quantity justifies it, and such inspection and acceptance, unless otherwise stated in the Technical Specifications, shall be final, except as regards (1) latent defects, (2) departures from specific requirements of the Contract, (3) damage or loss in transit, or (4) fraud or such gross mistakes as amount to fraud. Subject to the requirements contained in the preceding sentence, the inspection of materials as a whole or in part will be made at the Project Site.
- e. Neither inspection, testing, approval nor acceptance of the work in whole or in part, by the City or its agents shall relieve the Contractor or his sureties of full responsibility for materials furnished or work performed not in strict accordance with the Contract.

#### **125. REVIEW BY THE CITY**

The City, its authorized representatives and agents, and the Architect, shall, at all times have access to and be permitted to observe and review all work, materials, equipment, payrolls, personnel records, employment conditions, and other relevant data and records pertaining to this Contract; provided, however, that all instructions and approvals with respect to work will be given to the Contractor only by the City through its authorized representative or agents.

#### **126. FINAL INSPECTION**

When the work embraced in this Contract is substantially completed, the Contractor shall notify the City in writing that the work will be ready for final inspection on a definite date which shall be stated in such notice. The notice shall bear the signed concurrence of the representative of the City having charge of inspection. If the City determines that the status of the Improvements is as represented, it will make the arrangements necessary to have final inspection commenced on the date stated in such notice, or as soon thereafter as is practicable.

#### **127. DEDUCTION FOR UNCORRECTED WORK**

If the City deems it not expedient to require the Contractor to correct work not done in accordance with the Contract Documents, an equitable deduction from the Contract Price will be made by agreement between the Contractor and the City and subject to settlement, in case of dispute, as herein provided.

#### **128. TIME**

- a. The Contract Time is the period of time allotted in the Contract for completion of the Work. The date of commencement of the Work is the date established in a notice to proceed issued by the City to the Contractor. The Contractor shall begin the Work upon receipt of the notice to proceed.
- b. The term "day" as used herein shall mean calendar day.
- c. If a date of completion is included in the Contract, it shall be the Date of Substantial Completion of the Work, including authorized extensions thereto. The "Date of Substantial Completion of the Work" is the date certified by the City when construction is sufficiently complete, in accordance with the Contract, so the City may occupy the Work for the use for which it is intended.

## **129. INSURANCE**

The Contractor shall carry the following insurance, at his expense and no direct payment for premiums shall be made by the City. Carriage of such insurance shall in no way alleviate the Contractor of his responsibilities under the contract.

a. The Contractor will be required to carry insurance of the kinds and in the amounts hereinafter specified. The Contractor shall not commence work under the contract until he has obtained all the insurance required by these specifications and until such insurance has been approved by the City Attorney, nor shall the Contractor allow any subcontractor to commence work on his subcontract until all similar insurance required of the subcontractor shall have been so obtained and approved.

### **b. Insurance**

The Contractor shall provide Commercial General Liability in an amount not less than \$1,500,000.00 combined single limit and Automobile Liability Insurance in an amount not less than \$1,500,000.00 combined single limit shall be in a company licensed to do business in Minnesota; and shall provide for the following: Liability for Premises, Operations, Completed Operations, Independent Contractors, and Contractual Liability. Property damage coverage for explosion, collapse, and underground Axcu to be included. City of Duluth shall be named as Additional Insured under the Commercial General Liability policy. Contractor shall also provide evidence of Statutory Worker's Compensation Insurance. Contractor to provide Certificate of Insurance evidencing such coverage with 30-day notice of cancellation, non-renewal, or material change provision included.

### **c. Subcontractor's Insurance**

In the event any work contemplated by the contract is sublet, the Contractor shall have the duty to assure that the subcontractors provide insurance in accord with the minimum requirements hereinabove imposed on the Contractor.

### **d. Proof of Insurance**

The Contractor shall not proceed with the work contemplated in this contract until he has furnished the City Attorney of the City of Duluth with satisfactory proof of the existence and carriage of insurance of the kinds and in the amounts specified.

### **e. Indemnification**

The Contractor shall defend, indemnify and save harmless the City and all of its officers, agents and employees from all suits, actions or claims of any character, name and description brought for on account of any injuries or damages received or sustained by any person, persons or property, by or from the act or acts of said Contractor, or by or in consequence of any negligence in safeguarding the work, or through the use of unacceptable materials in constructing the work, or by or on account of any act or omission, neglect or misconduct of said Contractor, or from any claims or amount arising or recovered under the Workmen's Compensation Law or any other law, by-law, ordinance, order or decree, and so much of the money due the said Contractor under and by virtue of his contract, as shall be considered necessary by the City may be retained for the use of the City or in case no money is due, his surety shall be held until such suit or suits, action or actions, claim or claims, for injuries or damages as aforesaid, shall have been settled and suitable evidence to that effect furnished to the City. The Contractor shall indemnify and save harmless the City from any and all losses caused by or on account of any claims or amounts recovered for any infringement of patent,

trademark, or copyright. The unauthorized use by the Contractor of public or private property for any purpose may be considered an injury or damage to the property so used.

### **130. PATENTS**

The Contractor shall hold and save the City, its officers, employees, representatives and agents, and the Architect, harmless from liability of any nature or kind, including costs and expenses, for, or on account of, any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the Contract, including its use by the City, unless otherwise specifically stipulated in the Technical Specifications.

### **131. WARRANTY**

No material, supplies, or equipment to be installed or furnished under this Contract shall be purchased subject to any chattel mortgage or under a conditional sale, lease-purchase or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. The Contractor shall warrant good title to all materials, supplies, and equipment installed or incorporated in the work and upon completion of all work, shall deliver the same together with all improvements and appurtenances constructed or placed thereon by him to the City free from any claims, liens, or charges. Neither the Contractor nor any person, firm or corporation furnishing any material or labor for any work covered by this Contract shall have any right to a lien upon any improvement or appurtenance thereon. Nothing contained in this paragraph, however, shall defeat or impair the right of persons furnishing materials or labor to recover under any bond given by the Contractor for their protection or any rights under any law permitting such persons to look to funds due the Contractor in the hands of the City. The provisions of this paragraph shall be inserted in all subcontracts and material contracts and notices for the work when no formal contract is entered into for such materials.

### **132. GENERAL GUARANTY**

- a. Neither the final certificate of payment nor any provisions in the Contract nor partial or entire use of the improvements embraced in this Contract by the City or the public shall constitute an acceptance of liability in respect to any express warranties or responsibility for faulty materials or workmanship. The Contractor shall promptly remedy any defects in the work and pay for any damage to other work resulting therefrom which subsequently appears. The City will give notice of defective materials and work with reasonable promptness.
- b. If, within one year after the Date of Substantial Completion or within such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract, any of the Work is found to be defective or not in accordance with the specifications of the Contract, the Contractor shall correct it promptly upon receipt of a written notice from the City to do so, unless the City has previously given the Contractor a written acceptance of such condition or work.

### **133. ENVIRONMENTAL CONDITIONS**

Waste Disposal: The SUBRECIPIENT shall comply with the most recent Minnesota Pollution Control Agency (MPCA) waste disposal requirements and include said disposal requirements in the project's base bid specifications. Waste material, including but not limited to: construction/demolition debris, asbestos-containing material, residential lead paint waste, hazardous waste, and above- and under-ground tanks, shall be disposed of at MPCA-permitted landfill sites only. Copies of all notification, shipment, and landfill receipt records shall be maintained in the subrecipient's project file.

Minnesota Pollution Control Agency  
520 Lafayette Rd., St. Paul, MN 55155  
(800) 657-3864

- a. Construction/Demolition Waste.

Construction/demolition debris will be disposed of at a Minnesota Pollution Control Agency (MPCA) permitted landfill site only, with copies of all landfill receipts for said debris maintained in the subrecipient's project file.

*(Solid Waste Management Rules, Chapter 7001 & 7035)*

**b. Asbestos-Containing Waste.**

All asbestos removal and disposal shall be in strict accordance with all applicable permits. The contract bidder shall include the price of all permits, testing, removal, and disposal in the project base bid.

- Project asbestos-containing material removal pursuant to USEPA 40 CFR 61.145 Standard for Demolition and Renovation.

- All asbestos-containing waste material shall be disposed of pursuant to USEPA 40 CFR 61.150 at a MPCA permitted landfill site only, in accordance with the provisions of USEPA 40 CFR 61.154.

- For all asbestos-containing material, a copy of the MPCA Notification of Demolition and Renovation record and all Waste Shipment records shall be maintained in the subrecipient's project file.

**c. Hazardous Waste Material.**

The MPCA shall be contacted for instructions on handling and disposing of materials containing Polychlorinated Biphenyls (PCBs) or any other identified/encountered hazardous materials. A copy of all correspondence and disposal records shall be maintained in the subrecipient's project file.

- MPCA Hazardous Waste Compliance Guide -- October 1989, Revised January 1991

- MPCA Hazardous Waste Fact Sheet Checklist -- August 1993

**d. Above and Below Ground Storage Tanks.**

The MPCA Tanks and Spills Section shall be contacted for instructions on handling or removal of all above- and underground tanks identified/encountered. A copy of all correspondence and disposal records shall be maintained in the subrecipient's project file.

**e. Residential Lead Paint Waste.**

Projects whose activities produce residential lead paint waste are responsible for the management and proper disposal of the waste at an MPCA permitted landfill site only, pursuant to Minn. Stat. sections 116.87, 116.875, 116.88. A copy of the Residential Lead Abatement Notification and Shipping forms shall be maintained in the subrecipient's project file.

**134. CONTRACTOR'S RECORDS**

The contractor agrees that, as provided in Minnesota Statutes 16C.05, Subd. 5, contractor's books, records, documents, and accounting procedures and practices are subject to examination by the city or the state auditor for three years from the date of execution of this contract.

(End of Document)

CITY OF DULUTH - PART II -  
SUPPLEMENTARY GENERAL CONDITIONS FOR FEDERALLY AND/OR CITY ASSISTED ACTIVITIES  
(revised 9/2/09)

The following conditions take precedence over any conflicting conditions in this Contract.

<u>Section</u>	<u>Title</u>
1	Restrictions on Disbursements, Subcontractors Federal Agency Requirements, Separability, Property
2	Miscellaneous Provisions
3	Definitions
4	Environmental Provisions
5	Contract Compliance
6	Records, Reports and Information, Audits and Inspections
7	Conflict of Interest and Lobbying
8	Labor Standards - Physical Improvement Projects
9	Minnesota Department of Transportation Specification 1960 Partial Payments
10	Housing and Urban Development (HUD) Section 4010
11	Equal Opportunity and Affirmative Action
12	Employment Opportunities - "HUD Section 3"
13	Federal Requirements for Minority/Women Business Enterprises Contract Guidance - MPFA
14	Forms

**Section I**

**Restrictions on Disbursements**

No money under this Contract shall be disbursed by the City to any Contractor except pursuant to a written contract which incorporates the applicable PART II, Supplementary General Conditions for Federally and/or City Assisted Activities, and unless the Contractor is in compliance with the Federal Agency requirements with regard to accounting and fiscal matters to the extent they are applicable.

**Subcontractors**

(A) The Contractor shall include in any subcontract the clauses set forth in the PART II, Supplementary General Conditions for Federally and/or City Assisted Activities in their entirety and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts which they may enter into, together with a clause requiring this insertion in any further subcontracts that may in turn be made.

(B) The Contractor shall not subcontract any part of the work covered by this Contract or permit subcontracted work to be further subcontracted without the City's prior written approval of the subcontractors. The City will not approve any subcontractor for work covered by this Contract who is at the time ineligible under the provisions of any applicable regulations issued by a Federal Agency or the Secretary of Labor, United States Department of Labor, to receive an award of such subcontract.

**Federal Agency Requirements**

Unearned payments under this Contract may be suspended or terminated upon refusal to accept any additional conditions that may be imposed by the Federal Agency at any time; or if the grant, if applicable, to the City under which this Contract is made is suspended or terminated.

**Separability**

If any provisions of this Contract is held invalid, the remainder of this Contract shall not be affected thereby if such remainder would then continue to conform to the terms and requirements of applicable law.

**Property**

Acquisition, use, and disposal of all property, materials and goods acquired as a result of activities made possible by this Contract shall be accomplished in accordance with the applicable provisions of Federal Management Circular (FMC)-74-7, as amended.

**Section 2**

**Miscellaneous Provisions**

(A) **Copyrights.** In the event this Contract results in a book or other copyrightable material, the author is free to copyright the work, but Federal Agency and the City reserve a royalty-free, nonexclusive, and irrevocable license to reproduce, publish or otherwise use, all copyrighted material and all material which can be copyrighted.

(B) **Patents.** Any discovery or invention arising out of or developed in the course of work aided by this Contract shall be promptly and fully reported to the Federal Agency and the City for determination by the Federal Agency as to whether patent protection on such invention or discovery shall be sought and how the rights in the invention or discovery, including rights under any patent issued thereon, shall be disposed of and administered in order to protect the public interests.

(C) **Political Activity Prohibited.** None of the funds, materials, property or services provided directly or indirectly under this Contract shall be used in the performance of this Contract on any partisan political activity, or to further the election or defeat of any candidate for public office.

(D) **Lobbying Prohibited.** None of the funds under this Contract shall be used for publicity or propaganda purposes designed to support or defeat legislation pending before the Congress or the City.

(E) **Prohibition of and Elimination of Lead-Based Paint Hazard.** Notwithstanding any other provision, the Agency and Contractor agree to comply with the regulation issued by the Secretary of Housing and Urban Development set forth in 37 F. R. 22732-3 and all applicable rules and orders issued thereunder which prohibit the use of lead-based paint in residential structures undergoing Federally assisted construction or rehabilitation and require the elimination of lead-based paint hazards. Every contract or subcontract, including paint, pursuant to which such Federally assisted construction or rehabilitation is performed shall include appropriate provisions prohibiting the use of lead-based paint.

(F) **Architectural Barriers Act.** The design for and construction of any facility funded in whole or in part by this Contract shall be in conformance with the American Standard Specification for Making Buildings and Facilities Accessible and Usable by the Physically Handicapped, Number A-117.1-1971, as modified.

(G) **Relocation and Acquisition.** Any relocation or acquisition resulting from activities funded in whole or in part by this Contract shall be in conformance with the provisions of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (40 U.S.C. 4601) and the implementing regulations 24CFR Part 42.

(H) **Prohibition Against Payments of Bonus or Commission.** The assistance provided under this Contract shall not be used in the payment of any bonus or commission for the purpose of obtaining Federal Agency approval for such assistance, or Federal Agency approval of applications for additional assistance, or any other approval or concurrence of a Federal Agency required under this Contract, Federal Law or Federal Regulations thereto; provided, however, that reasonable fees or bonafide technical, consultant, managerial or other such services, other than actual solicitation, are not hereby prohibited if otherwise eligible as project costs.

(I) **Hatch Act.** Where applicable, the Contractor will comply with the provisions of the Hatch Act which limits the political activity of the Contractor's employees.

**Section 3**  
**Definitions**

(A) City means the City of Duluth, Contracting Officer, or other persons authorized to act on behalf of the City of Duluth.

(B) Contracting Officer is the delegated representative of the City who has the responsibility for administering the Project.

(C) Contractor means an entity, whether public or private, which furnishes (other than standard commercial supplies, office space or printing services) to the City, products, services or supplies as described in this project Contract.

(D) Federal Agency means the United States, the District of Columbia, and any executive department, independent establishment, administrative agency, or instrumentality of the United States or of the District of Columbia, including any corporation, all or substantially all of the stock of which is beneficially owned by the United States, by the District of Columbia, or by any of the foregoing departments, establishments, agencies, and instrumentalities. The term Federal Agency shall also include the person or persons authorized to act on behalf of said Federal Agency.

(E) Project means the activities to be undertaken by the Contractor as described in this Contract, which from time to time may be amended by mutual consent of the City and Contractor.

(F) Subcontractor means an entity, regardless of tier, which has entered into an agreement with the Contractor or another Subcontractor, to undertake certain Project activities as described in that agreement.

(G) The term labor standards, as used in the Contract, means the requirements of the Davis-Bacon Act, the Contract Work Hours and Safety Standards Act (other than those relating to safety and health), the Copeland Act, and the prevailing wage provisions of the other statutes listed in 20 CFR 5.1.

(H) Work means all labor necessary to produce the construction required by the Contract Documents, all materials and equipment incorporated or to be incorporated in such construction, products, services, or supplies required by the Contract Documents, or any other requirements set forth in the Contract.

(I) Additional Definitions, that are applicable to the Labor Standards provisions - Section 8 - of this Contract can be found in 29CFR5.2 as published by the U.S. Department of Labor and said definitions are hereby incorporated by reference into the provisions of this Contract.

**Section 4**  
**Environmental Provisions**

(A) The Contractor agrees to follow the regulations, requirements, policies, goals and procedures set forth by the Council on Environmental Quality (CEQ) under provisions of the National Environmental Policy Act (NEPA) (Pub. L 91-190, 42 U.S.C. 4321 et seq.), Executive Order 11514, and 40 CFR Part 1500.

(B) **Historic Properties.** The Contractor agrees to follow the regulations, requirements, policies, goals, and procedures set forth under provisions of the National Historic Preservation Act of 1966 (Pub. L. 89-665); Preservation of Historic and Archeological Data Act of 1974 (Pub. L. 93-291); Executive Order 11593; 36 CFR , Part 800 and applicable State legislation or regulations.

(C) **Coastal Zones and Wetlands.** The Contractor agrees to follow the regulations, requirements, policies, goals and procedures set forth under provisions of the Coastal Zone Management Act of 1972 (Pub. L. 92-583) and applicable State legislation or regulations.

(D) **Noise.** The Contractor agrees to comply with provisions set forth in the U.S. Department of Housing and Urban Development Handbook 1390.2, Noise Abatement and Control, Department Policy, Responsibility and Standards, 1971.

(E) **Flood Plain.** The Contractor agrees to comply with the provisions set forth in the Flood Disaster Protection Act of 1973 (Pub. L. 93-234) and implementing regulations; Title 24, Chapter X, Subchapter B, National Flood Insurance Program, Executive Order 11296, and Executive Order 11988 relating to the evaluation of flood hazards.

(F) **Air Quality.** The Contractor agrees to comply with provisions set forth in the Clean Air Act (Pub. L. 90-148) and Clean Air Act Amendments of 1970 (Pub. L. 91-604); and applicable U.S. Environmental Protection Agency implementing regulations.

(G) **Water Quality.** The Contractor agrees to comply with the provisions set forth in the Federal Water Pollution Control Act (Pub. L. 92-500) and applicable U.S. Environmental Protection Agency implementing regulations, and Executive Order 11288 relating to the prevention, control, and abatement of water pollution.

(H) **Wildlife.** The Contractor agrees to comply with the provisions of the Fish and Wildlife Coordination Act (Pub. L. 85-264).

**Section 5**  
**Contract Compliance**

(A) In the event of the Contractor's noncompliance with the provisions of this Contract or with any of the said regulations, the City may withhold payment(s) until evidence of compliance by the Contractor has been demonstrated, or the Contract may be canceled, terminated or suspended in whole or in part and the Contractor may be declared ineligible for further City contracts.

(B) In the event the Contract is terminated or canceled as a result of noncompliance with any of the provisions of this Contract, the City may subject to bids the remainder of the Project for which this Contract was made. The City shall have the right upon termination or suspension to withhold all further payments under this Contract to the Contractor. Upon the award of a new contract for the remainder of the Project, the City shall pay to the Contractor an amount no more than the balance remaining due to the Contractor less the sum of the costs incurred by the City which are necessary in preparing the new bid specifications. In the event the amount paid the Contractor prior to the date of termination or cancellation exceeds the full amount of this Contract less the cost of the new contract and the additional costs mentioned above, the Contractor agrees to reimburse the City for such excess amount within ninety days after the new contract is awarded by the above procedures.

(C) Provisions contained in subparagraph (A) and (B) above shall not be interpreted as precluding any authorized Federal, State, or County governmental unit from exercising their legal administrative or other responsibilities in respect to the enforcement by said governmental units of laws or regulations concerning activities of the Contractor.

**Section 6**  
**Records**

(A) **Establishment and Maintenance of Records.** Records shall be maintained in accordance with requirements prescribed by the Federal Agency or the City with respect to all matters covered by this Contract. Except as otherwise authorized by the Federal Agency, such records shall be maintained for a period of three years after receipt of final payment under this Contract.

(B) **Documentation of Costs.** All costs shall be supported by properly executed payrolls, time records, invoices, contracts, or vouchers, or other official documentation evidencing in proper detail the nature and propriety of the charges. All checks, payrolls, invoices, contracts, vouchers, orders, or other accounting documents pertaining in whole or in part to this Contract shall be clearly identified and readily accessible.

#### **Reports and Information**

At such times and in such forms as the Federal Agency or the City may require, there shall be furnished to the Federal Agency or the City such statements, records, data and information as the Federal Agency or the City may request pertaining to matters covered by this Contract.

#### **Audits and Inspection**

At any time during normal business hours and as often as the City, the Federal Agency and/or the Comptroller General of the United States may deem necessary, there shall be made available to the City, the Federal Agency and/or representatives of the Comptroller General for examination of all its records with respect to all matters covered by this Contract and will permit the City, the Federal Agency and/or representative of the Comptroller General to audit, examine and make excerpts or transcripts from such records, and to make audits of all contracts, invoices, materials, payrolls, records of personnel, conditions of employment, and other data relating to all matters covered by this Contract.

### **Section 7**

#### **Conflict of Interest and Lobbying**

(A) **Interest of Members, Officers, or Employees of the City, Members of Local Governing Body, or Other Public Officials.** No member, officer, or employee of the City, or its designees or agents, or member of the governing body of the City, during his/her tenure of for one year thereafter, shall have any interest, direct or indirect in any contract or subcontract, or the proceeds thereof, for work to be performed in connection with the Project assisted under this Contract. Any contract in which any of the above indicated individuals becomes directly or indirectly, interested, personally or as a member of a firm, or as an officer, director, or stockholder of a corporation, shall be and become absolutely void; and any money which shall have been paid on such contract by the City may be recovered back from any or all persons interested therein, by a joint action or several actions.

(B) The Contractor agrees that he will incorporate into every contract required to be in writing the following provisions: **Interest of Contractors and Employees** - The Contractor covenants that he presently has no interest and shall not acquire any interest, direct or indirect, in the Project which would conflict in any manner or degree with the performance of this Contract, and no person having any conflicting interest shall be employed. Any interest on the part of the Contractor or his employees must be disclosed to the Federal Agency and the City. Provided, however, that this paragraph shall be interpreted in such a manner so as not to unreasonably impede any statutory requirements that opportunity be provided for employment of and participation by certain residents of a designated geographical are, if applicable.

(C) **Interest of Member or of Delegate to Congress.** No member of or Delegate to Congress, or Resident Commissioner, shall be admitted to any share or part of this Contract or to any benefit that may arise therefrom, but this provision shall not be construed to extend to this Contract if made with a corporation for its general benefit.

(D) The Contractor by signing this document certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the Contractor shall complete and submit Standard Form -LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

The above certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1332, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

(E) The parties to this Contract certify and agree that they are under no contractual or other disability which would prevent them from complying with the terms of this Contract.

### **Section 8**

#### **Labor Standards - Physical Improvement Projects**

Where applicable, there shall be included in all construction, rehabilitation, alteration or repair contracts with private entities made possible by or resulting from this Contract, the following Labor Standards provisions;

#### **(A) General Requirements.**

(1) **Subcontracts.** The Contractor shall include in any subcontract the clauses set forth in Section 8, **Labor Standards**, in their entirety and also a clause requiring the subcontractors to include these clauses in any Tower tier subcontract which they may enter into, together with a clause requiring this insertion in any further subcontracts that may in turn be made.

(2) The transporting of materials and supplies to or from the site of the Project or Program to which this Contract pertains by the Employees of the Contractor or of any subcontractor, and the manufacturing or furnishing of materials, articles, supplies, or equipment on the site of the Project or Program to which this Contract pertains by persons employed by the Contractor or by any subcontractor, shall for the purpose of this Contract, and without limiting the generality of the foregoing provisions of this Contract, be deemed to be work to which these **Labor Standards** provisions are applicable.

(3) No person under the age of eighteen years shall be employed on work covered by this Contract.

(4) In connection with the performance of work under this Contract, the Contractor agrees not to employ any person undergoing sentence of imprisonment except as provided by Public Law 89-176, September 10, 1955 (18 U.S.C. 4082 (c) (2)) and Executive Order 11755, December 29, 1973.

(5) The Contractor will permit authorized representatives of the Federal Agency and the City to interview employees during working hours on the job.

(6) No employee to whom the wage, salary, or other **Labor Standards** provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the Labor Standards applicable under this Contract to his employer.

(B) **Safety Standards.** No Contractor or subcontractor contracting for any part of a construction contract shall require any laborer or mechanic, including apprentices and trainees, employed in the performance of the Contract to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous to his

health or safety, as determined under construction safety and health standards promulgated by the Secretary of Labor. The Contractor or subcontractor comply with all the rules, regulations, and relevant orders, promulgated by the Secretary of Labor pursuant to Public Law 91-54.

(C) **Davis-Bacon Act - 29 CFR 5.5**

**Refer to Section 10, Page 9**

**Housing and Urban Development (HUD) form-4010 (07/2003) Ref Handbook 1344.1**

**City of Duluth “Mini Davis-Bacon”**

(D) **City of Duluth - Minimum Wage Ordinance 8940, as Amended.**

(1) On a project (as defined below) funded in whole or in part by federal and/or state funds, these local provisions shall prevail in those instances where the requirements of the local provisions are equal to or greater than similar minimum labor standards provisions as set forth in applicable federal and/or state laws and regulations.

(2) In all contracts in excess of \$2,000 for projects (as defined below), the Contractor’s particular attention is called to Ordinance 8940, effective June 8, 1989, respectively coded as Article IV of Chapter 2 of the Duluth City Code, and entitled “An Ordinance Pertaining to Wages and Working Hours of Persons on Public Works in the City of Duluth”, as set forth below:

(3) **Definitions.**

For the purposes of this section the following words and phrases shall have the meanings respectively ascribed to them in this section:

(a) **Basic hourly rate.** - The hourly wage paid to any employee.

(b) **Prevailing wage rate.** - The basic hourly rate plus fringe benefits prevailing in the city of Duluth as determined by the United States secretary of labor pursuant to the Davis-Bacon act, as amended; provided that whenever employer and employee organizations employing and representing a majority of a class of workers in a particular industry within the city jointly certify that the prevailing basic hourly rate plus fringe benefits of such workers differs from the amount determined by the secretary of labor, the certified rate shall be considered to be the prevailing wage rate for such class of workers in that industry.

(c) **Fringe benefits.** - Employer contribution for health and welfare benefits, vacation benefits, pension benefits, and all other economic benefits other than the basic hourly rate.

(d) **Apprentice** - An employee who is working under a training program which is approved either by the U.S. Department of Labor Bureau of Apprenticeship & Training or the Minnesota Director of Voluntary Apprenticeship; see apprentice ratios on page 22 and HUD 4010 in Section 10..

(e) **Trainee** - An employee registered with the U. S. Department of Labor Employment & Training Administration; see HUD 4010 in Section 10.

(f) **Project.** - Erection, construction, demolition, painting, remodeling or repairing of any public building, highway, sidewalk, bridge, water or gas line, sewer and sewage treatment facility or other public work performed under contract with the city.

(g) **Labor, mechanic.** - All persons utilized, employed or working on a project who are doing work usually done by mechanics and laborers, including proprietors, partners, and members of cooperatives.

(4) **Wage Rates and Hours for City of Duluth Projects.**

(a) Any contract which provides for a project of estimated total cost of over \$2,000.00 shall contain a stipulation that no laborer, mechanic or apprentice-trainee employed directly upon the project work site by the contractor or any subcontractor shall be permitted or required to work at a rate of pay less than the prevailing wage rate; nor shall any such employee be permitted or required to work more than 8 hours in any work day or 40 hours in any work week unless he is paid at a rate of at least 1½ times the basic hourly rate for all hours in excess of 8 per day or after 40 per week and unless he receives fringe benefits that are at least equal to those in the prevailing wage rate; provided that whenever employer and employee organizations employing and representing a majority of a class of workers in a particular industry within the city jointly certify that the maximum number of hours that such persons may work under existing labor agreements before overtime wages must be paid differs from the hours specified in this paragraph, the maximum number of hours specified in such labor agreements shall be substituted for those specified above in applying the provisions of this paragraph to such workers.

(b) The word “or” in the state statute and the City of Duluth Code refers to the number of hours worked in any one week or, in the alternative, the number of hours worked in any one day in the week (the days in one week being totaled for reporting purposes); the law requires use of the alternative which results in the higher number of overtime hours for each employee whose time is being reported. All hours exceeding 40 per week are subject to overtime in addition to the daily overtime requirements.

**EXCEPTIONS:** Federal government funding only and HUD (Housing and Urban Development) funding - see point “e”

In summary, if a project is solely funded with City of Duluth monies, the City allows the employees to work four ten-hour days and be paid at the regular hourly rate for those ten hours; exceeding hours must be paid at the overtime rate. An employer may not withhold overtime payment exclusively until 40 hours per week have been worked. Daily overtime must be paid as it is earned.

● **The base workweek hours must be clearly indicated on each payroll. Employees may be assigned a different workweek; however, that must be clearly marked beside the employees’ names.**

The following are examples of how these rules apply to different situations.

TT refers to the total time worked on the day or in the week

RT refers to the hours worked at the regular rate of pay (straight time)

OT refers to the hours worked for which overtime must be paid

	State Funded with or without federal funding Projects							City-only Funded Projects (4 ten-hour days)						
	Mon	Tues	Wed	Thurs	Fri	Sat	Total	Mon	Tues	Wed	Thurs	Fri	Sat	Total
TT	10	10	10	10	0	6	46	10	10	10	10	0	6	46
RT	8	8	8	8	0	6	38	10	10	10	10	0	0	40
OT	2	2	2	2	0	0	8	0	0	0	0	0	6	6

	State Funded with or without federal funding Projects							City-only Funded Projects (4 ten-hour days)							
	Mon	Tues	Wed	Thurs	Fri	Sat	Total		Mon	Tues	Wed	Thurs	Fri	Sat	Total
TT	0	10	10	0	7	0	27		10	0	12	0	0	0	32
RT	0	8	8	0	7	0	23		10	0	10	10	0	0	30
OT	0	2	2	0	0	0	4		0	0	2	0	0	0	2

**(c) Overtime Calculations**

Minnesota Statutes Chapter 177.42, subd 4 specifies that the prevailing hours of labor may not be more than eight hours per day or more than 40 hours per week (as stated above in (b), the City of Duluth does allow for ten hours per day/40 hours per week with City funding *only*).

Minnesota Statutes Chapter 177.42, subd 5 defines the hourly basic rate as the hourly wage paid to any employee. (subd 6): The prevailing wage rate means the hourly basic rate of pay plus the contribution for health and welfare benefits, vacation benefits, pension benefits, and any other economic benefit paid to the largest number of workers engaged in the same class of labor within the area...

Minnesota Statutes Chapter 177.43, subd 1 (1) ...employees are permitted to work more hours than the prevailing hours of labor [being] paid for all hours in excess of the prevailing hours at a rate of at least 1-½ times the hourly basic rate of pay. (2) A laborer or mechanic may not be paid a lesser rate of wages than the prevailing wage rate in the same or most similar trade or occupation in the area.

An employer may pay a lower hourly rate and higher fringe benefit rate--to a bona fide plan--than stated in the wage decision providing the total of the two rates is equal to or greater than the total in the wage decision.

**Overtime Calculation with Fringe Benefits Paid to Bona Fide Plans**

For overtime purposes, an employer paying higher fringe benefits to a bona fide plan and paying a lower hourly rate **MUST** calculate the overtime on the higher hourly rate as stated in the contract's wage decision.

**Overtime Calculation with Cash Payment of Fringe Benefits**

When the fringe benefit is paid directly to an employee, the prevailing base rate and the fringe benefit rate for a specific classification are totaled to arrive at the hourly rate. *Overtime is calculated (1.5 x) the base rate with the fringe benefit amount added to that rate: base rate x 1.5 + fringe benefit rate = overtime rate.*

(d) A contractor shall not reduce a worker's private, regular rate of pay when the wage rate certified by the U. S. Department of Labor or the Minnesota Department of Labor & Industry is less than the worker's normal hourly wage [Minnesota Statute 181.03 subdivision 1(2)].

**(e) Regular Time & Overtime Definitions**

- **State of Minnesota** funded projects with or without federal funding *only allow for five eight-hour days per week at regular time*. Overtime is calculated at a rate not less than time and one-half (1.5) of the prevailing base rate as stated in the wage decision--OR the base rate the employee is being paid if it is higher than the required base rate--plus the straight time fringe benefit amount.
- **City of Duluth** funded projects do permit four ten-hour work days at regular time--see point 4-a, b for stipulations. Overtime is calculated at a rate not less than time and one-half (1.5) of the prevailing base rate as stated in the wage decision--OR the base rate the employee is being paid if it is higher than the required base rate--plus the straight time fringe benefit amount.
- **Federal** funded only projects allow overtime pay for hours worked in excess of 40 in a workweek at a rate not less than time and one-half (1.5) of the prevailing base rate as stated in the wage decision--OR the base rate the employee is being paid if it is higher than the required base rate--plus the straight time fringe benefit amount.
- **HUD** funded projects allow overtime pay for hours worked in excess of 40 in a workweek at a rate not less than time and one-half (1.5) of the prevailing base rate as stated in the wage decision--OR the base rate the employee is being paid if it is higher than the required base rate--plus the straight time fringe benefit amount.

(f) The minimum hourly prevailing wages are contained in each project specification. When both federal (general decision rates from the U. S. Department of Labor) and State of Minnesota prevailing wages for state funded construction projects from the Minnesota Department of Labor and Industry are used, the prime contractor and all subcontractors including trucking operations, are required to pay the higher of the two wages for all laborers and mechanics [MnDOT Contract Administration Manual, Section 5-591.320].

(g) The prime contractor and any lower-tier subcontractor shall review all wage decisions and compensate a worker according to the type of work performed and at the rate that is the greatest.

(h) State of Minnesota prevailing wages typically list two rates for each classification with two effective dates. Should any City of Duluth contract continue to and past the second effective date, that rate and fringe benefit will be in effect through the remainder of the project.

(i) All contracts for city projects shall have applicable schedules of prevailing wage rates set forth in the contract. Schedules of applicable prevailing wage rates shall be present on all project job sites and shall either be posted on the site or be on the person of any supervisor in charge of the job site.

(j) Employees on projects shall be paid at least weekly. Fringe benefits shall be paid either in cash or to an employee benefit plan that has been approved by the U.S. Department of Labor.

**■ The fringe benefit package is an integral portion of the prevailing wage. Should the prime contractor become delinquent with any fringe benefit plan administrator's requirements for monthly payment, an estimated amount due that plan plus penalties will be withheld from the monthly estimate(s). This also pertains to subcontractors; their fringe plan payment delinquency will affect the monthly estimate(s) in the same manner.** See MnDOT Specification 1906 on page eight.

See Statement of Compliance and Certified Payroll Report requirements in Section 10, HUD 4010 and web sites in Section 14, Forms.

(k) Any contractor or subcontractor working on a project shall furnish the City with **original** certified payroll reports with **original signatures** relating to the project. Such certified payroll reports shall be **submitted weekly** on U.S. Department of Labor standard forms (WH-347) or their equivalent--using the same format--to the City of Duluth Labor Standards representative. All City of Duluth funded projects must have the base workweek hours indicated on the

certified payroll form and/or beside each employee's name (should some employees be working different base workweeks).

(l) No contractor or subcontractor working on a project shall evade or attempt to evade the provisions of this section through the use of non-recognized training programs. The only employees involved in training programs that shall be allowed to work on projects covered by this section shall be apprentice-trainees as defined by this article.

(m) Any person violating the provisions of this section shall be guilty of a misdemeanor with each day of violation constituting a separate offense. In addition, if the prevailing wage rate and accompanying fringe benefit rate is not paid to employees working on a project, the City of Duluth may withhold contract payments to the prime contractor until such deficiencies are corrected. Should fringe benefits be paid to authorized Plans, the payments must be made within the demands of those Plans. Delinquencies may result in withholding of project funds to the prime contractor.

(n) This section shall not apply to contracts for projects where the total cost of the project is less than \$2,000.00; nor to materialmen who do no more than deliver materials to the work site, except that this section shall apply to employees who deliver asphalt, concrete or mineral aggregate such as sand, gravel or stone where such material is incorporated into the project by depositing the material substantially in place, either directly or through spreaders, from the transporting vehicle.

(5) **Helpers**

A helper may perform work only if the helper classification is specified and defined in the federal wage decision and/or State of Minnesota wage decision incorporated into the project contract. Without such a helper classification, the contractor must assign a job classification that is the "same or most similar" [Minnesota Statute 177.44, subdivision 1] and compensate the helper for the actual work performed regardless of the helper's skill level.

(5) **Apprentice Ratios**

Journeyworkers must be on site with the apprentices and their hours must match.

**FUNDING SOURCE:**

**City of Duluth and State of Minnesota with or without Federal funding**

(i) Apprentices are not permitted to work alone under any circumstances.

(ii) Working foremen are acceptable as a journeyworker PROVIDING he/she is in the same classification.

» Example: carpenter foreman and carpenter apprentice

• Ratios are determined by the trade's labor agreement.

• In the absence of ratio language, the following State of Minnesota apprenticeship ratios will be applied:

(apprentice:journeyworker) 1:1 2:4 3:7 4:10, etc.

• Employees working in excess of the allowable ratio must be paid the full journeyworker compensation.

• Out-of-ratio apprentices will be calculated beginning with the **apprentice at the highest level of training** and, then, to less senior apprentices in their rank order.

• Should two or more out-of-ratio apprentices have the same level of training, whomever was on the work site first will receive journeyworker pay; if the apprentices at the same level of training began work on the project site at the same time, hours worked out-of-ratio for which restitution is due will be divided among those apprentices.

Examples:

Four apprentices working unsupervised are on site. [4:0]

Ratio calls for four apprentices and ten journeyworkers [4:10]

Correction: all apprentices will receive the full journeyworker compensation as apprentices are not permitted to work alone.

Three apprentices and two journeyworkers are on site. [3:2]

Ratio calls for three apprentices and seven journeyworkers [3:7]

Two journeyworkers may accompany only one apprentice; therefore, the two highest level apprentices are paid the full journeyworker compensation.

Even though this particular job has three apprentices—the second journeyworker is a mute point; a third journeyworker would also be a mute point in this example.

Correction: the two highest level apprentices are paid the full journeyworker compensation and the third lower level apprentice is considered in ratio.

**HUD (CDBG) and Federal funding only**

• Apprentices are not permitted to work alone unless the U. S. Department of Labor-approved agreement allows that practice.

• Working foremen are acceptable as a journeyworker PROVIDING he/she is in the same classification.

» Example: electrician foreman and electrician apprentice

• Ratios are determined by the trade's U. S. Department of Labor-approved agreement.

• In the event of the absence of ratio language in the applicable agreement, the Minnesota Department of Labor ratio of one apprentice for the first journeyworker and one apprentice for each three journeyworkers thereafter will be applied, (i.e., 1:1, 2:4, 3:7, 4:10, etc.).

• **The legal apprentices are those who first came to work on the job site;** in the event that all apprentices begin work on the project site at the same time, hours worked out-of-ratio for which restitution is due will be divided among the apprentices.

• Time cards will be required to substantiate the start times.

• Employees working in excess of the allowable ratio--or for which U. S. Department of Labor-apprentice agreement/certificate is not provided--must be paid the full journeyworker compensation.

Examples:

Four apprentices and one journeyworker are on site. [4:1]

Ratio calls for four apprentices and ten journeyworkers. [4:10]

The first apprentice on site is considered in ratio as one journeyworker may only accompany one apprentice [1:1]; this particular job has four apprentices.

Correction: the second through the fourth apprentices coming on site are paid the full journeyworker compensation.

Six apprentices and two journeyworkers are on site [6:2]

Ratio calls for six apprentices and sixteen journeyworkers [6:16]

The first apprentice on site is considered in ratio as two journeyworkers may only accompany one apprentice; this particular job has six apprentices—the second journeyworker is a mute point.

Correction: the second through sixth apprentices coming on site are paid the full journeyworker compensation.

(6) **Poster Boards**

The prime contractor must construct and display a poster board, which contains all required posters, is legible and is accessible to all workers from the first day of work until the project is 100% complete. Prime contractors are not allowed to place a poster board at an off-site facility location.

(7) **Trucking Issues**

a) For the purpose of sections seven and eight, the term “owner” includes all persons having an ownership interest in the trucking entity or a partnership interest in the trucking entity and has a legal and rightful title to the vehicle(s) or has an approved lease on the vehicle(s). “Operate” means the owner either physically drives the vehicle or hires another to physically drive the vehicle, yet maintains the right to direct the day-to-day operations of the vehicle.

b) Trucking Operations Definitions:

**Independent Trucking Operator:** an individual or partnership who owns or holds a vehicle under lease and who contracts that vehicle and the owner’s services to an entity which provides construction services to a public works project. The individual owns or leases and drives the equipment, is responsible for the maintenance of the equipment, bears all operating costs, determines the details and means of performing the services, and enters into a legally binding agreement that specifies the relationship to be that of an independent contractor and not that of an employee.

**Multiple Truck Operations:** any legal business entity that owns more than one vehicle and hires the vehicles out for services to brokers or contractors on public works projects. The owners of a trucking firm may either drive the vehicles or hire employees to drive the vehicles. Employee drivers are subject to the appropriate prevailing wage rate. The owner driving a vehicle is obligated to account for the value of his/her services as a driver at the appropriate prevailing wage.

**Partnerships:** a legal business entity where two or more individuals hold vehicles under lease and contract those vehicles and their services to an entity which provides construction services to a public works project. The partners own or lease the equipment, are responsible for maintenance and all operating costs, drive the equipment, determine the details and means of performing the services, and enter a legally binding agreement that specifies the relationship to be that of a partner and not that of an employee. All partners are subject to the appropriate prevailing wage.

**Corporation:** any legal business entity that owns or leases vehicles to provide construction services to public works projects. All individuals are employees of the corporation and subject to the appropriate prevailing wage regardless of title or position.

**Broker:** an individual or firm who (activities include, but are not limited to):

- contracts to **provide** trucking services [equipment and driver] in the construction industry to users of such services, such as prime contractors and various subcontractors of the prime;
- contracts to **obtain** services from other trucking operations and dispatches them to various assignments;
- receives payment from the users (such as prime contractors and various subcontractors) in consideration for the trucking services provided; and
- makes payment to the providers (trucking operations so **contracted** with) for their services.

(8) **Specific documentation from trucking operations.**

**Independent Trucking Operators**

The owner/operator of a truck must submit a copy of his/her commercial driver’s license (CDL), cab card, and insurance certificate for each truck the owner/operator drives on each construction project *before commencing work on that project*. These documents must be sent to the prime contractor who will then forward the material to Labor Standards, Engineering Division at the City of Duluth.

**Multiple Truck Operators**

Weekly certified payrolls and payment of corresponding prevailing wages plus the fringe benefit package will be required for each project where trucks are operating. This covers the owner plus all employees performing work on the project.

**Partnerships**

Weekly certified payrolls and payment of corresponding prevailing wages plus fringe benefit packages will be required for each project where trucks are operating. This covers all partners of the organization who perform work on the project.

Each partner performing work on a project must submit a copy of his/her commercial driver’s license (CDL), cab card, and insurance certificate for the truck being operated with that weekly certified payroll. It is not necessary to repeat such supporting documentation until a different truck is used and/or certificates or licenses have expired.

*Employees* of the partnership are always reported on a weekly certified payroll and paid the appropriate prevailing wage plus fringe benefit package for the work being performed.

**Corporations**

All persons employed by the corporation are subject to receive payment of the prevailing wage plus the fringe benefit package for the work performed on a project regardless of title or position. Weekly certified payrolls must be submitted for all work performed on the project.

**Brokers**

**Truck ownership** and a **bonafide contract** between the broker and another trucking operation, a prime contractor, or a subcontractor must be identified. Paperwork must be submitted with the month end trucking report to the City of Duluth Labor Standards representative - Engineering. Certified payrolls are not required when the above documentation is provided and approved.

(10) **Month End Trucking Report - ONLY REQUIRED WITH STATE OF MINNESOTA FUNDING**

The Minnesota Department of Transportation Month End Trucking Report (Mn/DOT TP-90550 7-05) and Minnesota Department of Transportation Month End Trucking Report Statement of Compliance (Mn/DOT TP-90551 7-05) are *only required on state funded projects*.

A guide for completing the forms including definitions and the reports, themselves, may be downloaded from:

[www.dot.state.mn.us/const/labor/truckinginfo.html](http://www.dot.state.mn.us/const/labor/truckinginfo.html)

Payment to the prime contractor may be withheld until documentation is received and approved.

(11) **Truck Rental Rates - ONLY REQUIRED WITH STATE OF MINNESOTA FUNDING**

Truck rental rates are listed in the prevailing wage section of the project specifications/contract.

(12) **Minnesota Rules 5200.1105 and 5200.1106**

These rules are incorporated into this supplementary general conditions by reference and are found on this web site:

[www.revisor.leg.state.mn.us/rules/?id=5200](http://www.revisor.leg.state.mn.us/rules/?id=5200)

(13) **Truck Axles**

Per Minnesota Rules 5200.1100 Master Job Classifications, a truck “unit” refers to all axles including the steering axle.

A tag axle is also counted as one of the axles.

Examples: four rear axles plus one steering axle = five axles total  
one rear axle plus one steering axle = two axles total

(14) **Non-Compliance and Enforcement**

- a) The prime contractor shall be liable for any unpaid wages to its workers or those of its lower-tier subcontractors, trucking companies/Multiple Truck Owners (MTO's) and/or Independent Truck Owner/Operator (ITOs) [MnDOT Standard Specifications for Construction, Section 1801].
- b) See Section 9, MnDOT Specification 1906 Partial Payments.

(15) **IC-134 form - Withholding Affidavit for Contractors**

The IC-134 form will be required from all Multiple Truck Operators, Partnerships, and Corporations performing trucking services on a project before the retainage or all remaining funds can be released. Web site for completing form online: [www.mndor.state.mn.us](http://www.mndor.state.mn.us)  
The form, itself, is found at: [www.taxes.state.mn.us/forms/ic134.pdf](http://www.taxes.state.mn.us/forms/ic134.pdf)

(16) **Owners, Supervisors, Foremen listed on certified payrolls.**

All persons working on a City of Duluth project including owners, partners, supervisors, salaried persons, and working foremen who perform laborer and/or mechanic work shall be reported on the weekly certified payroll reports including all data required of any laborer or mechanic. (ordinance 8731, 6/24/85)

(17) **Supporting documentation.**

At his/her discretion, the City of Duluth Labor Standards representative may demand proof of payment of the prevailing wage which may include copies of a payroll register, itemized time sheet and matching cancelled check, or any other supporting documents as stipulated. Payment to the prime contractor may be withheld until documentation is received and approved.

(18) **Kickbacks from Public Works employees prohibited.**

No contractor working on a project or other person shall, by force intimidation, or threat of termination of employment, cause any employee working on a project to give up any part of the compensation to which he is entitled under his contract of employment.

**Section 9**

**Minnesota Department of Transportation Specification 1906 Partial Payments  
Process For "Withholding Contract Monies" and "Default and Termination of a Contract" 11/5/04**

Mn/DOT Specification 1906 Partial Payments describes the Commissioner's authority to withhold funds to protect the Department's interests. In addition, Specification 1808 Default and Termination of a Contract describes the Commissioner's authority to take the prosecution of the work out of the hands of the Contractor.

Additionally, on projects funded in whole or part with federal funds and in accordance with the Required Contract Provisions Federal-Aid Construction Contracts Form – 1273, Section IV, Subpart 6, "Withholding", incorporated into federal aid contracts, the Contracting Officer may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance or guarantee of funds until such violations have ceased.

However, the Department must give the Contractor, and it's Sureties due notice prior to exercising these authorities. The withholding of contract funds, in accordance with Specification 1906 or the Required Contract Provisions Federal-Aid Construction Contracts Form – 1273, Section IV, Subpart 6, "Withholding", should be implemented as soon as a possible prevailing wage violation is recognized. However, Default and Termination of a Contract, in accordance with Specification 1808, should only be exercised as a "last resort" if the Contractor is not willing to comply.

**Definitions**

(Mn/DOT Standard Specifications for Construction 2000 Edition, Section 1103)

Commissioner: The Commissioner of the Minnesota Department of Transportation, or the chief executive of the department or agency constituted for administration of Contract work with its jurisdiction.

Contractor: The individual, firm or corporation Contracting for and undertaking prosecution of the prescribed work; the party of the second part to the Contract, acting directly or through a duly authorized representative.

Department: The Department of Transportation or the State of Minnesota, or the political subdivision, governmental body, board, commission, office, department, division, or agency constituted for administration of the Contract work within its jurisdiction.

**(Form 1273 - 29 CFR, Part 5.1, Definitions)**

Contracting Officer: The individual, a duly appointed successor or authorized representative who is designated and authorized to enter into Contracts on behalf of the Federal Agency and/or the City of Duluth.

**Important Considerations**

1. Upon completion of the work under a contract, the department should consider issuing the final voucher as soon as possible. Failure to finalize a contract expeditiously could result in subsequent claims that would prevent the department from finalizing the contract. However, before the issuance of the final voucher, the department must be able to ensure that the terms of the contract have been satisfied. Failure on the part of the department to ensure compliance could result in the Mn/DOT state aid division retaining funds from the department in accordance with *Minnesota Rules 8820.3000, subpart 5*.
2. On every contract, the department should withhold the final retainage in accordance with the following guidelines: (1) if the total amount of the contract is \$1,000,000 or more, the department should retain funds not more than \$50,000, (2) if the total amount of the contract is less than \$1,000,000, the department should retain 5% of the total contract, (3) retainage should be withheld until the department can ensure that the contractor has met the terms of the contract or until the finalization of the contract.
3. This guide specifies that the department verbally notify the bonding company early in the process. Generally, as a "rule of thumb", notifying the bonding company is usually the "last resort". However, the justification for the early notification is related to the language found in *Minnesota statute 574.31, subdivision 2*, which summarizes that if an individual or the department does not submit a claim on the payment bond within 120 days after the completion of work under the contract, the claim can be denied.

The following are general guidelines that should be followed prior to placing a Contractor in default:

Step 1: Upon verbal or written notification that a possible prevailing wage violation exists, the Department should give written notice to the Contractor regarding the nature of the claim, along with the Department's intent to withhold monies until the claim is investigated and determined to be in compliance. Additionally, the Department should inform the Contractor that the bonding company has been verbally notified of the claim. Please be aware, the Department should ensure employee confidentiality at all times.

Upon a preliminary determination surrounding the financial extent of the claim, the Department should consider retaining a "reasonable" portion of one or more partial estimates in accordance with Mn/DOT's 2000 Standard Specifications for Construction, Section 1906; or on federal aid contracts, in accordance with the Required Contract Provisions Federal-Aid Construction Contracts Form – 1273, Section IV, Subpart 6, "Withholding".

If it is determined that the claim is valid, the Department should schedule a meeting with the Contractor and attempt to resolve the matter. If the claim is determined to be invalid, the Department should release any partial estimates that may have been held as a result of the claim. However, the Department should continue to withhold the final retainage in accordance with the above-mentioned: Important Considerations, 2.

Step 4: If resolution cannot be obtained through a meeting, the Department should order the Contractor, in writing, to complete their obligations under the contract. The letter should clearly state the circumstances under which the Department has deemed that the Contractor has not met the terms of the contract.

Additionally, the Department should include a reasonable deadline for this obligation to be completed. A copy of this letter should be forwarded to the Surety, District State Aid Engineer (DSAE), Labor Compliance Unit and the Department's Attorney.

- Step 5: In the event that the Contractor does not respond to the Department's written order, the Department should send a similar letter, requesting that the Contractor respond immediately, in writing, regarding the Contractor's intention to comply or not comply with the order. A copy of this letter should be forwarded to the Surety, District State Aid Engineer (DSAE), Labor Compliance Unit and the Department's Attorney.
- Step 6: If the Department still does not get a proper response from the Contractor, the Department should write another letter, addressed to both the Contractor and the Surety, specifying all the facts of the alleged breach, demanding that the Contractor, or its Surety, respond satisfactorily within 10 days or the Department may exercise its authority to Default and Terminate the Contract in accordance with DOT's 2000 Specifications for Construction, Section 1808. It's important to provide sufficient detail so that the Surety understands the situation. This notification should be sent by certified mail. A copy of this letter should be forwarded to the Surety, District State Aid Engineer (DSAE), Labor Compliance Unit and the Department's Attorney.
- Step 7: If the Contractor or Surety is unresponsive after 10 days, the Department should consult with their attorney to consider proceeding with Default and Termination of the Contract.
- Step 8: Upon termination of the contract, the Department provides a written order to the Surety, requiring the Surety to bring resolution to the prevailing wage violation.
- Step 9: The Department places the Contractor on a Non-Responsible Bidder's List and rejects any future awards.

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## Section 10

### Federal Labor Standards Provisions / U.S. Department of Housing and Urban Development Office of Labor Relations

Previous editions are obsolete

HUD-4010 (06/2009) ref. Handbook 1344.1

#### Applicability

The Project or Program to which the construction work covered by this contract pertains is being assisted by the United States of America and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

**A. 1. (i) Minimum Wages.** All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period.

Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible, place where it can be easily seen by the workers.

(ii) (a) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- (2) The classification is utilized in the area by the construction industry; and
- (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(b) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140.)

(c) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

(d) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

**2. Withholding.** HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work, all or part of

the wages required by the contract, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the contractor, disburse such amounts withheld for and on account of the contractor or subcontractor to the respective employees to whom they are due. The Comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.

**3. (i) Payrolls and basic records.** Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1(b)(2)(B) of the Davis-bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017.)

**(ii) (a)** The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i) except that full social security numbers and home addresses shall not be included on weekly transmittals. **Instead, the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number).** The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site.

The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this subparagraph for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to HUD or its designee. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149.)

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

**(1)** That the payroll for the payroll period contains the information required to be provided under 29 CFR 5.5 (a)(3)(ii), the appropriate information is being maintained under 29 CFR 5.5(a)(3)(i), and that such information is correct and complete;

**(2)** That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;

**(3)** That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

**(c)** The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by subparagraph A.3.(ii)(b).

**(d)** The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

**(iii)** The contractor or subcontractor shall make the records required under subparagraph A.3.(i) available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the contractor, sponsor, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

#### **4. Apprentices and Trainees**

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

**(ii) Trainees.** Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to, and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of

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

**(iii) Equal employment opportunity.** The utilization of apprentices, trainees and journeymen under 29 CFR Part 5 shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

**5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR Part 3 which are incorporated by reference in this contract.

**6. Subcontracts.** The contractor or subcontractor will insert in any subcontracts the clauses contained in subparagraphs 1 through 11 in this paragraph A and such other clauses as HUD or its designee may by appropriate instructions require, and a copy of the applicable prevailing wage decision, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this paragraph.

**7. Contract termination; debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

**8. Compliance with Davis-Bacon and Related Act Requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract

**9. Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.

**10. (i) Certification of Eligibility.** By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

**(ii)** No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

**(iii)** The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001. Additionally, U.S. Criminal Code, Section 1 01 0, Title 18, U.S.C., "Federal Housing Administration transactions", provides in part: "Whoever, for the purpose of . . . influencing in any way the action of such Administration..... makes, utters or publishes any statement knowing the same to be false..... shall be fined not more than \$5,000 or imprisoned not more than two years, or both."

**11. Complaints, Proceedings, or Testimony by Employees.** No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

**B. Contract Work Hours and Safety Standards Act.** The provisions of this paragraph B are applicable where the amount of the prime contract exceeds \$100,000. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

**(1) Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

**(2) Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in sub paragraph (1) of this paragraph.

**(3) Withholding for unpaid wages and liquidated damages.** HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.

**(4) Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

**C. Health and Safety.** The provisions of this paragraph C are applicable where the amount of the prime contract exceeds \$100,000.

**(1)** No laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.

(2) The Contractor shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, (Public Law 91-54, 83 Stat 96). 40 USC 3701 et seq.

(3) The contractor shall include the provisions of this paragraph in every subcontract so that such provisions will be binding on each subcontractor. The contractor shall take such action with respect to any subcontractor as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

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## **Section 11**

### **Equal Opportunity Laws and Regulations**

(A) In addition to Contract specifications set forth below, the Contractor shall conduct and administer this Contract in compliance with:

- (1) Title VI of the Civil Rights Act of 1964 (Pub. L. 88-352) and implementing regulations issued at 24 CFR Part 1;
- (2) Title VIII of the Civil Rights Act of 1968 (Pub. L. 90-284), as amended, and implementing regulations;
- (3) Section 109 of the Housing and Community Development Act of 1974, as amended; and the regulations issued pursuant thereto (24 CFR Section 570.601);
- (4) Section 3 of the Housing and Urban Development Act of 1968, as amended, and implementing regulations of 24 CFR Part 135;
- (5) Executive Order 11246, as amended by Executive Order 11375 and 12086 and implementing regulations at 41 CFR Chapter 60;
- (6) Executive Order 11063, as amended by Executive Order 12259 and implementing regulations at 24 CFR Part 107;
- (7) Section 504 of the Rehabilitation Act of 1973 (Pub. L. 93-112), as amended, and implementing regulations when published for effect;
- (8) The Age Discrimination Act of 1975, as amended, (Pub. L. 94-135) and implementing regulations when published for effect;
- (9) The Minnesota Human Rights Act of 1974, as amended (Chapter 363).

### **Equal Opportunity and Affirmative Action**

(A) Contractors and Subcontractors that have a work force in excess of fifty (50) employees and a contract in excess of \$50,000.00 shall prepare and maintain an appropriate affirmative action plan in accordance with the provisions of 41 CFR 60 "Compliance Responsibility for Equal Opportunity".

(B) Non-segregated Facilities. The Contractor shall certify that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The Contractor covenants that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. As used in this paragraph the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, creed, religion, national origin, ancestry, age, marital status, status with respect to public assistance, and/or disability because of habit, local custom, or otherwise.

### **General Provisions Against Discrimination**

(A) In all hiring or employment made possible by or resulting from this Contract, there:

- (1) will not be any discrimination against any employee or applicant for employment because of race, color, creed, religion, national origin, ancestry, age, sex, marital status, status with respect to public assistance, and/or disability.
- (2) affirmative action will be taken to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, creed, religion, national origin, ancestry, age, sex, marital status, status with respect to public assistance, and/or disability. This requirement shall apply to, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; lay-off or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. There shall be posted in conspicuous places available to employees and applicants for employment, notices setting forth the provisions of this clause. All solicitations or advertisements for employees shall state that all qualified applicants will receive consideration for employment without regard to race, color, creed, religion, national origin, ancestry, age, sex, marital status, status with respect to public assistance, and/or disability.

(B) No person in the United States shall, on the grounds of race, color, creed, religion, national origin, age, sex, marital status, status with respect to public assistance, and/or disability, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity made possible by or resulting from this Contract. The Contractor and each employer will comply with all requirements imposed by or pursuant to the regulations of the Federal Agency effectuating Title VI of the Civil Rights Act of 1966. The Contractor will note this requirement in all solicitations or advertisements for employees. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(C) The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the labor union or workers' representative of the Contractor's commitments under these provisions, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(D) The Contractor hereby agrees that he will incorporate into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at 41 CFR Chapter 60, which is paid for in whole or in part with funds obtained pursuant to this Contract, the equal opportunity clause which is a part of these Contract Documents.

(E) The Contractor further agrees that he will be bound by the equal opportunity clause and other provisions of 41 CFR Chapter 60, with respect to his own employment practices when he participates in federally assisted construction work: **Provided:** That of the Contractor so participating is a State or Local Government, the above equal opportunity clause is not applicable to any agency, instrumentality, or subdivision of such government which does not participate in work on or under the Contract. Also, the Contractor will make his files available to inspection by appropriate government agencies and shall furnish those reports as may be required by said agencies.

(F) The Contractor agrees that he will assist and cooperate actively with the Federal Agency and the Secretary of Labor in obtaining the compliance of subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that he will furnish the Federal Agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that he will otherwise assist the Federal Agency in the discharge of its primary responsibility for securing compliance.

(G) The Contractor further agrees that he will refrain from entering into any contract or any contract modification subject to Executive Order 11246 of September 24, 1965, with a subcontractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order. In addition, the Contractor agrees that if he fails or refuses to comply with these undertakings, the City or the Federal Agency may take any or all of the following actions: Terminate or suspend in whole or in part this Contract; refrain from extending any further assistance to the Contractor under the Project with respect to which the failure or refusal occurred until satisfactory assurance of future compliance has been received from such Contractor and refer the case to the Department of Justice for appropriate legal proceedings.

**Affirmative Action - "Construction Contracts" over \$10,000**

Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity  
(Executive Order 11246)

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

<u>Timetables</u>	<u>Goals for minority participation (percent)</u>	<u>Goals for female participation (percent)</u>
From April 1, 1980 until revised	3.0	6.9

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3 (a), and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the City and to the Director of the Office of Federal Contract Compliance Programs; U.S. Department of Labor, ESA/OFCCP, 16<sup>th</sup> Floor, 230 South Dearborn Street, Chicago, Illinois, 60604, within 10 working days of award of any construction subcontract and/or subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the contractor and/or subcontractor; employer identification number; estimated dollar amount of the prime contract; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.

4. As used in this Notice, and in the Contract, the "covered area" is all work under a contract currently held with the City of Duluth, Minnesota.

**Standard Federal Equal Employment Opportunity  
Construction Contract Specifications (Executive Order 11246)**

1. As used in these specifications:

- a) "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor; or any person to whom the Director delegates authority;
- b) "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
- c) "Minority" includes:
  - (iii) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
  - (iv) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
  - (v) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
  - (vi) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

6. In order for the non-working training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

- a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.

d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.

e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notices of these programs to the sources compiled under 7b above.

f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.

h. Disseminate the Contractor's EEO policy externally by including it any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.

i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitments and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.

n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations of officers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisor's adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be violation of the Executive Order if a specific minority group of women is underutilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, creed, religion, national origin, sex, ancestry, age, marital status, status with respect to public assistance and/or disability.

11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

**Affirmative Action for Handicapped Workers**

(applies to contracts in excess of \$2,500)

(A) The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap in regard to any position for which the employee or applicant is qualified. The Contractor agrees to take affirmative action to employ, advance in employment and otherwise treat qualified handicapped individuals without discrimination based upon their physical or mental handicap in all employment practices such as the following: Employment, upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.

(B) The Contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

(C) In the event of the Contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations and relevant orders of the Secretary of Labor issued pursuant to the Act.

(D) The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the Director, provided by or through the contracting officer. Such notices shall state the Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified handicapped employees and applicants for employment, and the rights of applicants and employees.

(E) The Contractor will notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding, that the Contractor is bound by the terms of Section 503 of the Rehabilitation Act of 1973, and is committed to take affirmative action to employ and advance in employment physically and mentally handicapped individuals.

(F) The Contractor will include the provisions of this clause in every subcontract or purchase order of \$2,500 or more unless exempted by rules, regulations, or orders of the Secretary issued pursuant to Section 503 of the Act, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for noncompliance.

**Affirmative Action for Disabled Veterans and Veterans of the Vietnam Era**

(applies to contracts in excess of \$10,000)

(A) The Contractor will not discriminate against any employee or applicant for employment because he or she is a disabled veteran or veteran of the Vietnam era in regard to any position for which the employee or applicant for employment is qualified. The Contractor agrees to take affirmative action to employ, advance in employment and otherwise treat qualified disabled veterans and veterans of the Vietnam era without discrimination based upon their disability or veterans status in all employment practices such as the following: Employment, upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.

(B) The Contractor agrees that all suitable employment openings of the Contractor which exist at the time of the execution of this contract and those which occur during the performance of this contract, including those not generated by this contract and including those occurring at an establishment of the Contractor other than the one wherein the contract is being performed but excluding those of independently operated corporate affiliates, shall be listed at an appropriate local office of the State employment service system wherein the opening occurs. The Contractor further agrees to provide such reports to such local office regarding employment openings and hires as may be required.

State and local government agencies holding Federal contracts of \$10,000 or more shall also list all their suitable openings with the appropriate office of the State employment service, but are not required to provide those reports set forth in paragraphs (D) and (E).

(C) Listing of employment openings with the employment service system pursuant to this clause shall be made at least concurrently with the use of any other recruitment source or effort and shall involve the normal obligations which attach to the placing of a bona fide job order, including the acceptance of referrals of veterans and non-veterans. The listing of employment openings does not require the hiring of any particular job applicant or from any particular group of job applicants, and nothing herein is intended to relieve the Contractor from any requirements in Executive Orders or regulations regarding nondiscrimination in employment.

(D) The reports required by paragraph (B) of this clause shall include, but not be limited to, periodic reports which shall be filed at least quarterly with the appropriate local office or, where the Contractor has more than hiring location in a State, with the central office of that State employment service. Such reports shall indicate for each hiring location (1) the number of individuals hired during the reporting period, (2) the number of non-disabled veterans of the Vietnam era hired, (3) the number of disabled veterans of the Vietnam era hired, and (4) the total number of disabled veterans hired. The reports should include covered veterans hired for on-the-job training under 38 U.S.C. 1787. The Contractor shall maintain at each hiring location copies of the reports submitted until the expiration of one year after final payment under the contract, during which time these reports and related documentation shall be made available, upon request, for examination by any authorized representatives of the contracting officer of the Secretary of Labor. Documentation would include personnel records respecting job openings, recruitment and placement.

(E) Whenever the Contractor becomes contractually bound to the listing provisions of this clause, it shall advise the employment service system in each State where it has establishments of the name and location of each hiring location in the State. As long as the Contractor is contractually bound to these provisions, and has so advised the State system, there is no need to advise the State system of subsequent contracts. The Contractor may advise the State system when it is no longer bound by this contract clause.

(F) This clause does not apply to the listing of employment openings which occur and are filled outside of the 50 States, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands.

(G) The provisions of paragraphs (B), (C), (D), and (E) of this clause do not apply to openings which the Contractor proposes to fill from within his own organization or to fill pursuant to a customary and traditional employer-union hiring arrangement for that opening.

(H) As used in this clause:

(1) "All suitable employment openings" includes, but is not limited to, openings which occur in the following job categories: Production and non-production; plant and office; laborers and mechanics; supervisory and non-supervisory; technical; and executive, administrative, and professional openings as are compensated on a salary basis of less than \$25,000 per year. This term includes full-time employment, temporary employment of more than 3 days' duration, and part-time employment. It does not include openings which the Contractor proposes to fill from within his own organization or to fill pursuant to a customary and traditional employer-union hiring arrangement nor openings in an educational institution which are restricted to students of that institution. Under the most compelling circumstances an

employment opening may not be suitable for listing, including such situations where the needs of the Government cannot reasonably be otherwise supplied, where listing would be contrary to national security, or where the requirement of listing would otherwise not be for the best interest of the Government.

(2) "Appropriate office of the State employment service system" means the local office of the Federal-State national system of public employment offices with assigned responsibility for serving the area where the employment opening is to be filled, including the District of Columbia, Guam, Puerto Rico, and the Virgin Islands.

(3) "Openings which the Contractor proposes to fill from within his own organization" means employment openings for which no consideration will be given to persons outside the Contractor's organization (including any affiliates, subsidiaries, and the parent companies) and includes any openings which the Contractor proposes to fill from regularly established "recall" lists.

(4) "Openings which the Contractor proposes to fill pursuant to a customary and traditional employer-union hiring arrangement" means employment openings which the Contractor proposes to fill from union halls, which is part of the customary and traditional hiring relationship which exists between the Contractor and representatives of his employees.

(I) The Contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

(J) In the event of the Contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations and relevant orders of the Secretary of Labor issued pursuant to the Act.

(K) The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the Director, provided by or through the contracting officer. Such notices shall state the Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era for employment, and the rights of applicants and employees.

(L) The Contractor will notify each labor union representative of workers with which it has a collective bargaining agreement or other contract understanding, that the Contractor is bound by the terms of the Vietnam Era Veterans Readjustment Assistance Act, and is committed to take affirmative action to employ and advance qualified disabled veterans and veterans of the Vietnam era.

(M) The Contractor will include the provisions of this clause in every subcontract or purchase order of \$10,000 or more unless exempted by rules, regulations, or orders of the Secretary issued pursuant to the Act, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for noncompliance.

## **Section 12** **Employment Opportunities - "HUD Section 3"**

### **General**

These requirements apply to the City of Duluth contracts receiving assistance under the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant (CDBG) Program.

### **Type of Covered Projects**

24CFR570.607 (b) of the HUD CDBG Program Regulations state in part "... that employment and other economic opportunities arising in connection with housing rehabilitation, housing construction, or other public construction projects shall to the greatest extent feasible, and consistent with existing Federal, State, and local laws and regulations be given to low- and very low-income persons.

### **Thresholds**

In accordance with the provisions of 24CFR135.3(a) (3) (ii) (A), the requirements of this Section apply to those recipients as defined at 24CFR135.5 when the amount of this contract exceeds \$200,000.

In addition, in accordance with the provisions of 24CFR135.3 (a) (3) (ii) (B), the requirements of this Section apply to any contractor or subcontractor whose contract exceeds \$100,000 as a result of assistance provided under this contract.

### **Requirements (Section 3 Clause)**

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

(B) The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.

(C) The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement, or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.

(D) The Contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.

(E) The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligation under 24 CFR part 135.

(F) Noncompliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD-assisted contracts.

**Section 13**  
**Federal Requirements for Minority/Women Business Enterprises Contract Guidance - MPFA**

**General**

Municipalities that receive loan funding must comply with Federal requirements concerning utilization of Minority Business Enterprises (MBE) and Women's Business Enterprises (WBE). These requirements are designed to encourage the prime contractors to utilize MBEs and WBEs whenever procurement opportunities occur.

**Regulation**

40 C.F.R. Section 35.3145(d) Application of other Federal Authorities, M/WBE Requirements

Executive Orders No. 11625, 12138 and 12432 - Promoting the use of M/WBEs

Section 129 of Public Law 100-590 - Small Business Administration Reauthorization and Amendment Act of 1988

Regulations detailed in the EPA's *Cross-Cutting Federal Authorities - Clean Water Act State Revolving Fund Program and Safe Drinking Water Act State Revolving Fund Program*

**Implementation**

The "fair share" target percentage participation proposed for this project is 3.5 percent (3.5%) for MBE and 11.5 percent (11.5%) for WBE.

If the Contractor intends to let any subcontractors for a portion of the work, the Contractor shall take affirmative steps to assure that minority and women businesses are utilized when possible as sources of supplies, equipment, construction and services. Affirmative steps shall include the following:

- a) Include qualified minority businesses on solicitation lists.
- b) Assure that minority businesses are solicited whenever they are potential sources.
- c) When economically feasible, divide total requirements into smaller tasks or quantities so as to permit maximum small and minority business participation.
- d) Where the requirement permits, establish delivery schedules, which will encourage participation by minority businesses.
- e) Use the services and assistance of the Office of Minority Business Enterprise of the Department of Commerce.

The low bidder will be required to submit to the City of Duluth documentation of his good faith efforts to meet the targeted goals of utilizing MBEs and WBEs.

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**Section 14 - Forms**

**Minnesota Department of Transportation and City of Duluth, Minnesota  
funded certified payroll forms**

- Statement of Compliance Form  
[www.dot.state.mn.us/const/labor/lcuforms.html](http://www.dot.state.mn.us/const/labor/lcuforms.html)
- Certified Payroll Form  
[www.dol.gov/esa/forms/whd/WH347.pdf](http://www.dol.gov/esa/forms/whd/WH347.pdf)

**U. S. Department of Housing and Urban Development and federal  
government funded certified payroll forms**

- Statement of Compliance Form & Certified Payroll Forms  
[www.dol.gov/esa/forms/whd/WH347.pdf](http://www.dol.gov/esa/forms/whd/WH347.pdf)
- Fringe Benefit Form - use the second page of the MnDOT Statement of Compliance (form 21658 3/01)  
[www.dot.state.mn.us/const/labor/lcuforms.html](http://www.dot.state.mn.us/const/labor/lcuforms.html)

**Minnesota Department of Transportation Trucking Requirements**

- Month End Trucking Report
- Month End Trucking Report Statement of Compliance
- Definitions and instructions: [www.dot.state.mn.us/const/labor/lcuforms.html](http://www.dot.state.mn.us/const/labor/lcuforms.html)

MINNESOTA DEPARTMENT OF LABOR AND INDUSTRY PREVAILING WAGES FOR STATE  
FUNDED CONSTRUCTION PROJECTS



**THIS NOTICE MUST BE POSTED ON THE JOBSITE IN A CONSPICUOUS PLACE**

**Construction Type: Commercial**

**County Number: 69**

County Name: ST. LOUIS

Effective: 2014-12-08 Revised: 2015-04-20

This project is covered by Minnesota prevailing wage statutes. Wage rates listed below are the minimum hourly rates to be paid on this project.

All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at a rate of one and one half (1 1/2) times the basic hourly rate.

Violations should be reported to:

Department of Labor and Industry  
Prevailing Wage Section  
443 Lafayette Road N  
St Paul, MN 55155  
(651) 284-5091  
[DLI.PrevWage@state.mn.us](mailto:DLI.PrevWage@state.mn.us)

\* Indicates that adjacent county rates were used for the labor class listed.

**County: ST. LOUIS (69)**

<b>LABOR CODE AND CLASS</b>	<b>EFFECT DATE</b>	<b>BASIC RATE</b>	<b>FRINGE RATE</b>	<b>TOTAL RATE</b>
<b><i>LABORERS (101 - 112) (SPECIAL CRAFTS 701 - 730)</i></b>				
101 LABORER, COMMON (GENERAL LABOR WORK)	2014-12-08	22.77	15.96	38.73
	2015-05-01	23.63	16.33	39.96
102 LABORER, SKILLED (ASSISTING SKILLED CRAFT JOURNEYMAN)	2014-12-08	22.77	15.96	38.73

		2015-05-01	23.63	16.33	39.96
103	LABORER, LANDSCAPING (GARDENER, SOD LAYER AND NURSERY OPERATOR)	2014-12-08	18.75	13.24	31.99
		2015-05-01	19.96	13.59	33.55
104*	FLAG PERSON	2014-12-08	22.77	15.96	38.73
		2015-05-01	23.63	16.33	39.96
105*	WATCH PERSON	2014-12-08	20.42	15.96	36.38
		2015-05-01	21.28	16.33	37.61
106	BLASTER	2014-12-08	23.47	15.96	39.43
		2015-05-01	24.33	16.33	40.66
107	PIPELAYER (WATER, SEWER AND GAS)	2014-12-08	29.47	16.21	45.68
		2015-05-01	30.60	16.58	47.18
108	TUNNEL MINER	FOR RATE CALL 651-284-5091 OR EMAIL <a href="mailto:DLI.PRE VWAGE@STATE.MN.US">DLI.PRE VWAGE@STATE.MN.US</a>			
109	UNDERGROUND AND OPEN DITCH LABORER (EIGHT FEET BELOW STARTING GRADE LEVEL)	2014-12-08	27.67	16.21	43.88
		2015-05-01	28.80	16.58	45.38
110	SURVEY FIELD TECHNICIAN (OPERATE TOTAL STATION, GPS RECEIVER, LEVEL, ROD OR RANGE POLES, STEEL TAPE MEASUREMENT; MARK AND DRIVE STAKES; HAND OR POWER DIGGING FOR AND IDENTIFICATION OF MARKERS OR MONUMENTS; PERFORM AND CHECK CALCULATIONS; REVIEW AND UNDERSTAND CONSTRUCTION PLANS AND LAND SURVEY MATERIALS). THIS CLASSIFICATION DOES NOT APPLY TO THE WORK PERFORMED ON A PREVAILING WAGE PROJECT BY A LAND SURVEYOR WHO IS LICENSED PURSUANT TO MINNESOTA STATUTES, SECTIONS 326.02 TO 326.15.	2014-12-08	22.77	15.96	38.73

	2015-05-01	23.63	16.33	39.96
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111	TRAFFIC CONTROL PERSON (TEMPORARY SIGNAGE)	2014-12-08	22.77	15.96	38.73
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	2015-05-01	23.63	16.33	39.96
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***SPECIAL EQUIPMENT (201 - 204)***

201	ARTICULATED HAULER	2014-12-08	34.68	16.45	51.13
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	2015-05-01	35.48	17.15	52.63
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202	BOOM TRUCK	2014-12-08	34.68	16.45	51.13
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	2015-05-01	35.48	17.15	52.63
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203*	LANDSCAPING EQUIPMENT, INCLUDES HYDRO SEEDER OR MULCHER, SOD ROLLER, FARM TRACTOR WITH ATTACHMENT SPECIFICALLY SEEDING, SODDING, OR PLANT, AND TWO-FRAMED FORKLIFT (EXCLUDING FRONT, POSIT-TRACK, AND SKID STEER LOADERS), NO EARTHWORK OR GRADING FOR ELEVATIONS	2014-12-08	18.75	13.24	31.99
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	2015-05-01	19.96	13.59	33.55
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204	OFF-ROAD TRUCK	2014-12-08	34.68	16.45	51.13
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	2015-05-01	35.48	17.15	52.63
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205	PAVEMENT MARKING OR MARKING REMOVAL EQUIPMENT (ONE OR TWO PERSON OPERATORS); SELF-PROPELLED TRUCK OR TRAILER MOUNTED UNITS.	2014-12-08	26.76	15.01	41.77
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	2015-05-01	27.76	15.01	42.77
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***HIGHWAY/HEAVY POWER EQUIPMENT OPERATOR***

<b>GROUP 2 *</b>	2014-12-08	32.92	17.20	50.12
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	2015-05-01	33.78	17.90	51.68
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306	GRADER OR MOTOR PATROL
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308 TUGBOAT 100 H.P. AND OVER WHEN LICENSE REQUIRED (HIGHWAY AND HEAVY ONLY)

<b>GROUP 3</b>	2014-12-08	32.37	17.20	49.57
	2015-05-01	33.23	17.90	51.13

309 ASPHALT BITUMINOUS STABILIZER PLANT

310 CABLEWAY

312 DERRICK (GUY OR STIFFLEG)(POWER)(SKIDS OR STATIONARY) (HIGHWAY AND HEAVY ONLY)

314 DREDGE OR ENGINEERS, DREDGE (POWER) AND ENGINEER

316 LOCOMOTIVE CRANE OPERATOR

320 TANDEM SCRAPER

322 TUGBOAT 100 H.P AND OVER (HIGHWAY AND HEAVY ONLY)

<b>GROUP 4</b>	2014-12-08	31.37	13.67	45.04
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323 AIR TRACK ROCK DRILL

324 AUTOMATIC ROAD MACHINE (CMI OR SIMILAR) (HIGHWAY AND HEAVY ONLY)

325 BACKFILLER OPERATOR

327 BITUMINOUS ROLLERS, RUBBER TIED OR STEEL DRUMMED (EIGHT TONS AND OVER)

328 BITUMINOUS SPREADER AND FINISHING MACHINES (POWER), INCLUDING PAVERS, MACRO SURFACING AND MICRO SURFACING, OR SIMILAR TYPES (OPERATOR AND SCREED PERSON)

329 BROKK OR R.T.C. REMOTE CONTROL OR SIMILAR TYPE WITH ALL ATTACHMENTS

330 CAT CHALLENGER TRACTORS OR SIMILAR TYPES PULLING ROCK WAGONS, BULLDOZERS AND SCRAPERS

331 CHIP HARVESTER AND TREE CUTTER

332 CONCRETE DISTRIBUTOR AND SPREADER FINISHING MACHINE, LONGITUDINAL FLOAT, JOINT MACHINE, AND SPRAY MACHINE

334 CONCRETE MOBIL (HIGHWAY AND HEAVY ONLY)

335 CRUSHING PLANT (GRAVEL AND STONE) OR GRAVEL WASHING, CRUSHING AND SCREENING PLANT

336 CURB MACHINE

337 DIRECTIONAL BORING MACHINE

338 DOPE MACHINE (PIPELINE)

340 DUAL TRACTOR

341 ELEVATING GRADER

345 GPS REMOTE OPERATING OF EQUIPMENT

347 HYDRAULIC TREE PLANTER

348 LAUNCHER PERSON (TANKER PERSON OR PILOT LICENSE)

- 349 LOCOMOTIVE (HIGHWAY AND HEAVY ONLY)
- 350 MILLING, GRINDING, PLANING, FINE GRADE, OR TRIMMER MACHINE
- 352 PAVEMENT BREAKER OR TAMPING MACHINE (POWER DRIVEN) MIGHTY MITE OR SIMILAR TYPE
- 354 PIPELINE WRAPPING, CLEANING OR BENDING MACHINE
- 356 POWER ACTUATED HORIZONTAL BORING MACHINE, OVER SIX INCHES
- 357 PUGMILL
- 359 RUBBER-TIRED FARM TRACTOR WITH BACKHOE INCLUDING ATTACHMENTS (HIGHWAY AND HEAVY ONLY)
- 360 SCRAPER
- 361 SELF-PROPELLED SOIL STABILIZER
- 362 SLIP FORM (POWER DRIVEN) (PAVING)
- 363 TIE TAMPER AND BALLAST MACHINE
- 365 TRACTOR, WHEEL TYPE, OVER 50 H.P. WITH PTO UNRELATED TO LANDSCAPING (HIGHWAY AND HEAVY ONLY)
- 367 TUB GRINDER, MORBARK, OR SIMILAR TYPE

**GROUP 5 \*** 2014-12-08 18.77 8.18 26.95

- 370 BITUMINOUS ROLLER (UNDER EIGHT TONS)
- 371 CONCRETE SAW (MULTIPLE BLADE) (POWER OPERATED)
- 372 FORM TRENCH DIGGER (POWER)
- 375 HYDRAULIC LOG SPLITTER
- 376 LOADER (BARBER GREENE OR SIMILAR TYPE)
- 377 POST HOLE DRIVING MACHINE/POST HOLE AUGER
- 379 POWER ACTUATED JACK
- 381 SELF-PROPELLED CHIP SPREADER (FLAHERTY OR SIMILAR)
- 382 SHEEP FOOT COMPACTOR WITH BLADE . 200 H.P. AND OVER
- 383 SHOULDERING MACHINE (POWER) APSCO OR SIMILAR TYPE INCLUDING SELF-PROPELLED SAND AND CHIP SPREADER
- 384 STUMP CHIPPER AND TREE CHIPPER
- 385 TREE FARMER (MACHINE)

**GROUP 6** 2014-12-08 27.82 17.20 45.02

2015-05-01 28.68 17.90 46.58

- 387 CAT, CHALLENGER, OR SIMILAR TYPE OF TRACTORS, WHEN PULLING DISK OR ROLLER
- 389 DREDGE DECK HAND
- 391 GRAVEL SCREENING PLANT (PORTABLE NOT CRUSHING OR WASHING)

- 393 LEVER PERSON
- 395 POWER SWEEPER
- 396 SHEEP FOOT ROLLER AND ROLLERS ON GRAVEL COMPACTION, INCLUDING VIBRATING ROLLERS
- 397 TRACTOR, WHEEL TYPE, OVER 50 H.P., UNRELATED TO LANDSCAPING

**COMMERCIAL POWER EQUIPMENT OPERATOR**

<b>GROUP 1</b>	2014-12-08	36.94	16.45	53.39
	2015-05-01	37.74	17.15	54.89
501 HELICOPTER PILOT (COMMERCIAL CONSTRUCTION ONLY)				
502 TOWER CRANE 250 FEET AND OVER (COMMERCIAL CONSTRUCTION ONLY)				
503 TRUCK CRAWLER CRANE WITH 200 FEET OF BOOM AND OVER, INCLUDING JIB (COMMERCIAL CONSTRUCTION ONLY)				
<b>GROUP 2 *</b>	2014-12-08	36.60	16.45	53.05
	2015-05-01	37.40	17.15	54.55
504 CONCRETE PUMP WITH 50 METERS/164 FEET OF BOOM AND OVER (COMMERCIAL CONSTRUCTION ONLY)				
505 PILE DRIVING WHEN THREE DRUMS IN USE (COMMERCIAL CONSTRUCTION ONLY)				
506 TOWER CRANE 200 FEET AND OVER (COMMERCIAL CONSTRUCTION ONLY)				
507 TRUCK OR CRAWLER CRANE WITH 150 FEET OF BOOM UP TO AND NOT INCLUDING 200 FEET, INCLUDING JIB (COMMERCIAL CONSTRUCTION ONLY)				
<b>GROUP 3</b>	2014-12-08	35.19	16.45	51.64
	2015-05-01	35.99	17.15	53.14
508 ALL-TERRAIN VEHICLE CRANES (COMMERCIAL CONSTRUCTION ONLY)				
509 CONCRETE PUMP 32-49 METERS/102-164 FEET (COMMERCIAL CONSTRUCTION ONLY)				
510 DERRICK (GUY & STIFFLEG) (COMMERCIAL CONSTRUCTION ONLY)				
511 STATIONARY TOWER CRANE UP TO 200 FEET				
512 SELF-ERECTING TOWER CRANE 100 FEET AND OVER MEASURED FROM BOOM FOOT PIN (COMMERCIAL CONSTRUCTION ONLY)				
513 TRAVELING TOWER CRANE (COMMERCIAL CONSTRUCTION ONLY)				
514 TRUCK OR CRAWLER CRANE UP TO AND NOT INCLUDING 150 FEET OF BOOM, INCLUDING JIB (COMMERCIAL CONSTRUCTION ONLY)				
<b>GROUP 4</b>	2014-12-08	34.85	16.45	51.30

2015-05-01 35.65 17.15 52.80

- 515 CRAWLER BACKHOE INCLUDING ATTACHMENTS (COMMERCIAL CONSTRUCTION ONLY)
- 516 FIREPERSON, CHIEF BOILER LICENSE (COMMERCIAL CONSTRUCTION ONLY)
- 517 HOIST ENGINEER (THREE DRUMS OR MORE) (COMMERCIAL CONSTRUCTION ONLY)
- 518 LOCOMOTIVE (COMMERCIAL CONSTRUCTION ONLY)
- 519 OVERHEAD CRANE ( INSIDE BUILDING PERIMETER) (COMMERCIAL CONSTRUCTION ONLY)
- 520 TRACTOR . BOOM TYPE (COMMERCIAL CONSTRUCTION ONLY)

**GROUP 5** 2014-12-08 34.68 16.45 51.13

2015-05-01 35.48 17.15 52.63

- 521 AIR COMPRESSOR 450 CFM OR OVER (TWO OR MORE MACHINES) (COMMERCIAL CONSTRUCTION ONLY)
- 522 CONCRETE MIXER (COMMERCIAL CONSTRUCTION ONLY)
- 523 CONCRETE PUMP UP TO 31 METERS/101 FEET OF BOOM
- 524 DRILL RIGS, HEAVY ROTARY OR CHURN OR CABLE DRILL WHEN USED FOR CAISSON FOR ELEVATOR OR BUILDING CONSTRUCTION (COMMERCIAL CONSTRUCTION ONLY)
- 525 FORKLIFT (COMMERCIAL CONSTRUCTION ONLY)
- 526 FRONT END, SKID STEER 1 C YD AND OVER
- 527 HOIST ENGINEER ( ONE OR TWO DRUMS) (COMMERCIAL CONSTRUCTION ONLY)
- 528 MECHANIC-WELDER (ON POWER EQUIPMENT) (COMMERCIAL CONSTRUCTION ONLY)
- 529 POWER PLANT (100 KW AND OVER OR MULTIPLES EQUAL TO 100KW AND OVER) (COMMERCIAL CONSTRUCTION ONLY)
- 530 PUMP OPERATOR AND/OR CONVEYOR (TWO OR MORE MACHINES) (COMMERCIAL CONSTRUCTION ONLY)
- 531 SELF-ERECTING TOWER CRANE UNDER 100 FEET MEASURED FROM BOOM FOOT PIN (COMMERCIAL CONSTRUCTION ONLY)
- 532 STRADDLE CARRIER (COMMERCIAL CONSTRUCTION ONLY)
- 533 TRACTOR OVER D2 (COMMERCIAL CONSTRUCTION ONLY)
- 534 WELL POINT PUMP (COMMERCIAL CONSTRUCTION ONLY)

**GROUP 6** 2014-12-08 33.17 16.45 49.62

2015-05-01 33.97 17.15 51.12

- 535 CONCRETE BATCH PLANT (COMMERCIAL CONSTRUCTION ONLY)
- 536 FIREPERSON, FIRST CLASS BOILER LICENSE (COMMERCIAL CONSTRUCTION ONLY)
- 537 FRONT END, SKID STEER UP TO 1 C YD
- 538 GUNITE MACHINE (COMMERCIAL CONSTRUCTION ONLY)
- 539 TRACTOR OPERATOR D2 OR SIMILAR SIZE (COMMERCIAL CONSTRUCTION ONLY)

540 TRENCHING MACHINE (SEWER, WATER, GAS) EXCLUDES WALK BEHIND TRENCHER

<b>GROUP 7</b>	2014-12-08	32.05	16.45	48.50
	2015-05-01	32.85	17.15	50.00

541 AIR COMPRESSOR 600 CFM OR OVER (COMMERCIAL CONSTRUCTION ONLY)

542 BRAKEPERSON (COMMERCIAL CONSTRUCTION ONLY)

543 CONCRETE PUMP/PUMPCRETE OR COMPLACO TYPE (COMMERCIAL CONSTRUCTION ONLY)

544 FIREPERSON, TEMPORARY HEAT SECOND CLASS BOILER LICENSE (COMMERCIAL CONSTRUCTION ONLY)

545 OILER (POWER SHOVEL, CRANE, TRUCK CRANE, DRAGLINE, CRUSHERS AND MILLING MACHINES, OR OTHER SIMILAR POWER EQUIPMENT) (COMMERCIAL CONSTRUCTION ONLY)

546 PICK UP SWEEPER (ONE CUBIC YARD HOPPER CAPACITY) (COMMERCIAL CONSTRUCTION ONLY)

547 PUMP AND/OR CONVEYOR (COMMERCIAL CONSTRUCTION ONLY)

<b>GROUP 8 *</b>	2014-12-08	30.04	16.45	46.49
	2015-05-01	30.84	17.15	47.99

548 ELEVATOR OPERATOR (COMMERCIAL CONSTRUCTION ONLY)

549 GREASER (COMMERCIAL CONSTRUCTION ONLY)

550 MECHANICAL SPACE HEATER (TEMPORARY HEAT NO BOILER LICENSE REQUIRED) (COMMERCIAL CONSTRUCTION ONLY)

### ***TRUCK DRIVERS***

<b>GROUP 1</b>	2014-12-08	27.70	14.80	42.50
	2015-05-01	29.10	14.80	43.90

601 MECHANIC . WELDER

602 TRACTOR TRAILER DRIVER

603 TRUCK DRIVER (HAULING MACHINERY INCLUDING OPERATION OF HAND AND POWER OPERATED WINCHES)

<b>GROUP 2</b>	2014-12-08	27.15	14.80	41.95
	2015-05-01	28.55	14.80	43.35

604 FOUR OR MORE AXLE UNIT, STRAIGHT BODY TRUCK

<b>GROUP 3</b>	2014-12-08	27.05	14.80	41.85
	2015-05-01	28.45	14.80	43.25

605	BITUMINOUS DISTRIBUTOR DRIVER				
606	BITUMINOUS DISTRIBUTOR (ONE PERSON OPERATION)				
607	THREE AXLE UNITS				
<b>GROUP 4 *</b>		2014-12-08	26.80	14.80	41.60
		2015-05-01	28.20	14.80	43.00
608	BITUMINOUS DISTRIBUTOR SPRAY OPERATOR (REAR AND OILER)				
609	DUMP PERSON				
610	GREASER				
611	PILOT CAR DRIVER				
612	RUBBER-TIRED, SELF-PROPELLED PACKER UNDER 8 TONS				
613	TWO AXLE UNIT				
614	SLURRY OPERATOR				
615	TANK TRUCK HELPER (GAS, OIL, ROAD OIL, AND WATER)				
616	TRACTOR OPERATOR, UNDER 50 H.P.				
<b><i>SPECIAL CRAFTS</i></b>					
701	HEATING AND FROST INSULATORS	2014-12-08	38.21	15.80	54.01
		2015-06-01	39.71	15.80	55.51
702	BOILERMAKERS	2014-12-08	32.70	26.42	59.12
		2015-01-01	34.10	26.42	60.52
703	BRICKLAYERS	2014-12-08	28.87	23.96	52.83
704	CARPENTERS	2014-12-08	28.95	15.38	44.33
		2015-05-01	30.25	15.38	45.63
705	CARPET LAYERS (LINOLEUM)	2014-12-08	32.13	12.80	44.93
		2015-05-01	33.58	12.80	46.38
706	CEMENT MASONS	2014-12-08	30.42	16.57	46.99
		2015-05-01	30.92	16.57	47.49
707	ELECTRICIANS	2014-12-08	32.68	23.60	56.28

708	ELEVATOR CONSTRUCTORS		2014-12-08	44.21	31.69	75.90
			2015-01-01	44.93	33.66	78.59
709	GLAZIERS		2014-12-08	29.20	15.89	45.09
			2015-05-04	30.50	15.89	46.39
710	LATHERS		2014-12-08	28.95	15.38	44.33
			2015-05-01	30.25	15.38	45.63
712	IRONWORKERS		2014-12-08	29.94	22.85	52.79
			2015-05-04	31.59	22.85	54.44
714	MILLWRIGHT		2014-12-08	31.57	14.08	45.65
			2015-05-01	32.97	14.08	47.05
715	PAINTERS (INCLUDING HAND BRUSHED, HAND SPRAYED, AND THE TAPING OF PAVEMENT MARKINGS)		2014-12-08	28.81	15.37	44.18
			2015-05-04	30.06	15.37	45.43
716*	PILEDRIVER (INCLUDING VIBRATORY DRIVER OR EXTRACTOR FOR PILING AND SHEETING OPERATIONS)		2014-12-08	33.37	16.33	49.70
			2015-05-01	34.86	16.33	51.19
717	PIPEFITTERS . STEAMFITTERS	+90,000	2014-12-08	39.45	17.01	56.46
			2015-05-01	40.95	17.01	57.96
		-90,000	2014-12-08	37.14	16.26	53.40
			2015-05-01	38.48	16.26	54.74
718	PLASTERERS		2014-12-08	31.05	17.32	48.37
			2015-05-01	31.55	17.32	48.87
719	PLUMBERS	+90,000	2014-12-08	39.45	17.01	56.46
			2015-05-01	40.95	17.01	57.96
		-90,000	2014-12-08	37.14	16.26	53.40

		2015-05-01	38.48	16.26	54.74
720	ROOFER	2014-12-08	31.65	14.34	45.99
		2015-07-01	32.45	14.34	46.79
721	SHEET METAL WORKERS	2014-12-08	31.35	22.96	54.31
		2015-05-01	32.90	22.96	55.86
722	SPRINKLER FITTERS	2014-12-08	33.17	17.22	50.39
723	TERRAZZO WORKERS	2014-12-08	30.44	18.77	49.21
724	TILE SETTERS	2014-12-08	24.07	20.90	44.97
725	TILE FINISHERS	2014-12-08	16.62	17.11	33.73
726	DRYWALL TAPER	2014-12-08	29.41	15.37	44.78
		2015-05-05	30.66	15.37	46.03
727	WIRING SYSTEM TECHNICIAN	2014-12-08	35.24	14.03	49.27
728	WIRING SYSTEMS INSTALLER	2014-12-08	24.67	11.78	36.45
729	ASBESTOS ABATEMENT WORKER	2014-12-08	27.89	16.31	44.20
730	SIGN ERECTOR	2014-12-08	26.34	11.28	37.62
		2015-05-01	27.44	11.28	38.72

PROJECT LABOR AGREEMENT

NO STRIKE, NO LOCKOUT

**PUBLIC SECTOR**

**CITY OF DULUTH**

**&**

**(Name of Contractor)**

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## **AGREEMENT**

This Project Labor Agreement (hereinafter, the “Agreement”), is entered into effective the \_\_\_\_\_ day of \_\_\_\_\_, 2014, by and between the various contractors engaged in the construction of facilities to be known as the (Project). The parties to this Agreement are the Building and Construction Trades Council, on behalf of its affiliated Local Unions (hereinafter “Union” or “Unions”), the City of Duluth (hereinafter “Owner”) and Contractor (hereinafter “Construction Manager/General Manager,” “Contractor,” and “Contractors”).

It is understood by the parties to this Agreement that it is the policy of the Owner that the construction work covered by this Agreement shall be contracted to Contractors who agree to be bound by the terms of this Agreement. Therefore, the Union agrees that other Contractors may execute the Agreement for the purpose of covering that work. The Construction Manager/General Contractor shall monitor compliance with this Agreement by all Contractors who through their execution of this Agreement, together with their subcontractors, have become bound hereto.

The term “Contractor” shall include all Contractors and subcontractors of whatever tier engaged in on-site construction work within the scope of this Agreement.

The Union and all signatory Contractors agree to abide by the terms and conditions contained in this Agreement with respect to the administration of the Agreement by the Owner and the performance of the construction by the Contractor of the Project. This Agreement represents the complete understanding of the parties, and it is further understood that no Contractor party is required to sign any other agreement as a condition of performing work within the scope of this Agreement. No practice, understanding or agreement between a Contractor and a Union party which is not explicitly set forth in this Agreement shall be binding on any other party unless endorsed in writing by the Project Contractor.

## **ARTICLE I - PURPOSE**

The (Project), an undertaking of the Owner, is a public project which will employ numbers of skilled and unskilled workers. Construction of the Project will entail utilization of the construction industry in an area having multiple labor contracts and employer associations. Consequently, conflicts within labor-management relations could cause delay or disruption of the efficient completion of the .project unless maximum cooperation of all segments of the construction industry is obtained. This Agreement is to establish as the minimum standards on the Project the hours and working conditions as those prevailing for the largest number of workers engaged in the same classes of work within the area.

It is in the public interest that the Project progress and be completed in an expeditious and efficient manner, free of disruption or delay of any kind. Therefore, it is essential to secure optimum productivity and to eliminate any delays in the work. In recognition of the special needs of this Project and to maintain a spirit of harmony, labor-management peace and stability during the term of this Project Labor Agreement, the parties agree to establish effective and binding methods for the settlement of all misunderstandings, disputes or grievances which may arise. Therefore, the Unions agree not to engage in any strike, slowdown or interruption of work and the Contractor agrees not to engage in any lockout.

## **ARTICLE II - SCOPE OF THE AGREEMENT**

Section 1. This Agreement, hereinafter designated as the “Project Labor Agreement” or “Agreement,” shall apply and is limited to all construction work included in all Bid Categories for the (Project), under the direction of the signatory Contractors and performed by those Contractor(s) of whatever tier which have contracts awarded for such work on and after the effective date of this Agreement with regard to the Project.

Such Project is generally described as the construction of:  
(Project)

Section 2. It is agreed that all direct subcontractors of a Contractor, of whatever tier, who have been awarded contracts for work covered by this Agreement on or after the effective date of this Agreement shall be required to accept and be bound by the terms and conditions of the Project Labor Agreement.

Section 3. The provisions of this Project Labor Agreement shall apply to all craft employees represented by any Union listed in Schedule A hereto attached and shall not apply to other field personnel or managerial or supervisory employees as defined by the National Labor Relations Act.

Section 4. All employees covered by this Agreement shall be classified in accordance with work performed and paid the base hourly wage rates for those classifications as specified in the attached Schedule A.

Section 5. The Contractors agree to pay contributions to the established employee benefit funds in the amounts designated in the appropriate Schedule A.

Contractors that are not signatory to a collective bargaining agreement beyond the scope of this Agreement (“PLA contractor”) may select to participate in the legally established industry health reimbursement arrangement (“HRA”) plan, in lieu of contributing to the respective bona fide benefit funds as designated in Schedule A. The amount of the contribution is based on the difference between the contribution amount of the bona fide Schedule A benefit funds and the cost of the PLA contractor's bona fide non-discretionary plans. Contributions must be made on behalf of named employees. Participating contractors will submit to the Trustees of the HRA trust and plan a copy of their plan, summary plan description, and the premium structure for workers covered under the PLA contractor's bona fide, non-discretionary plans. The value of the PLA contractor's benefit plans are subject to confirmation by the Trustees of the HRA trust and plan. This may include an independent audit according to a policy as established by the Trustees. Contractors are required to submit certified payroll reports to the Trustees or authorized administrator in order to confirm compliance with the terms of the HRA trust and plan.

The Contractors adopt and agree to be bound by the written terms of the legally-established Trust Agreements (or in lieu thereof, the aforementioned HRA plan and trust including any policies) specifying the detailed basis on which payments are to be made into, and benefits paid out of, such Trust Funds. The Contractors authorize the parties to such Trust Agreements to appoint trustees and successor trustees to administer the Trust funds and hereby ratify and accept the Trustees so appointed as if made by the Contractors.

Section 6. In the event of any conflict between any provisions of this Agreement and in the Local Area Agreements, the terms of this Agreement will be applied. In other words, where a subject covered by the provisions of this Project Labor Agreement is also covered by the Local Area Agreement the provisions of this Project Labor Agreement shall prevail. Where a subject is covered by the Local Area Agreement and not covered by this Project Labor Agreement, the Local Area Agreement provisions shall prevail.

Section 7. This Agreement shall only be binding on the signatory parties hereto and shall not apply to the parents, affiliates, subsidiaries, or other ventures of any such party.

Section 8. This Agreement shall be limited to work historically recognized as construction work. Nothing contained herein shall be construed to prohibit, restrict, or interfere with the performance of any other operation, work or function which may occur in or around the Project site or be associated with the development of the Project, or with the ongoing operations of the Owner.

Section 9. It is understood that the liability of any Contractor and the liability of the separate Unions under this Agreement shall be several and not joint. The Union agrees that this Agreement does not have the effect of creating any joint employment status between or among Owner and any Contractor.

Section 10. All workers delivering fill, sand, gravel, crushed rock, transit/concrete mix, asphalt or other similar materials and all workers removing any materials from the construction site as required by the specifications are subject to the provisions of the Minnesota state

prevailing wage law and are entitled to the appropriate area standard wage. For purposes of this contract, such materials are for specified future use and per Minnesota state prevailing wage law delivery and pickup of the above-listed materials constitutes incorporation.

### **ARTICLE III - UNION RECOGNITION AND REPRESENTATION**

Section 1. The Contractor recognizes the Union as the sole and exclusive bargaining representative of all craft employees working on facilities within the scope of this Agreement.

Section 2. Authorized representatives of the Union shall have access to the Project, provided they do not interfere with the work of employees and further provided that such representatives fully comply with the posted visitor and security and safety rules of the Project.

### **ARTICLE IV - LABOR HARMONY CLAUSE**

The contractor shall furnish labor that can work in harmony with all other elements of labor employed on that (Project) and shall submit a labor harmony plan to demonstrate how this will be done. "Harmony" shall include the provision of labor that will not, either directly or indirectly, cause or give rise to any work disruptions, slow downs, picketing, stoppages, or any violence or harm to any person or property while performing any work, or activities incidental thereto at the (project). The labor harmony plan should include the company's labor management policies, collective bargaining agreements if any and their expiration dates, past labor relations history, a listing of activities anticipated under this contract that may potentially cause friction with on-site workers, and procedures the company will undertake to eliminate this friction.

The contractor agrees that it shall require every lower-tier subcontractor to provide labor that will work in harmony with all other elements of labor employed in the work, and will include the provisions contained in the paragraph above, in every lower-tier subcontract let for work under this contract.

The requirement to provide labor that can work in harmony with all other elements of labor employed in the work throughout the contract performance is a material element of this contract. Failure by the contractor or any of its lower tier subcontractors to comply with this requirement shall be deemed a material breach of the contract which will subject the contractor to all rights and remedies the city of Duluth may have, including without limitation the right to terminate the contract.

## **ARTICLE V - WORK STOPPAGES AND LOCKOUTS**

Section 1. There shall be no strike, picketing, work stoppages, slowdowns or other disruptive, activity for any reason by the Union or employees against any Contractor covered under this Agreement, and there shall be no lockout by the Contractor. Failure of any Union or employee to cross any picket line established by any union, signatory or non-signatory, or any other organization, at or in proximity to the Project site is a violation of this Article.

Section 2. Any party alleging a breach of Section 1, of Article IV shall have the right to petition a court for temporary and permanent injunctive relief. The moving party need not show the existence of irreparable harm, and shall be required to post bond only to secure payment of court costs and attorney fees as may be awarded by the court.

## **ARTICLE VI - DISPUTES AND GRIEVANCES**

Section 1. This Agreement is intended to provide close cooperation between management and labor. The Construction Manager/General Contractor and the Building and Construction Trades Council shall each assign a representative to this Project for the purpose of assisting the Local Unions, together with the Contractor, to complete the construction of the Project economically, efficiently, continuously and without interruption, delays or work stoppages.

Each Contractor shall hold a pre-job conference with the Union and Construction Manager/General Contractor to clear up any project question and work assignments in which there is thought to be a difference in opinion. Every effort will be made to hold such conference well in advance of actual work performance.

Section 2. The Contractor, Union, and employees collectively and individually, realize the importance to all parties to maintain continuous and uninterrupted performance of the work of the Project, and agree to resolve disputes over grievances in accordance with the arbitration provisions set forth in the Local Area Agreements in effect with the Unions listed in Schedule A attached hereto.

## **ARTICLE VII - JURISDICTIONAL DISPUTES**

Section 1. There will be no strikes, work stoppages, slowdowns, or other disruptive activity arising out of any jurisdictional dispute. Pending the resolution of the dispute, the work shall continue uninterrupted as assigned by the Contractor.

Section 2. Building construction work shall be assigned by the Contractor in accordance with the procedural rules of the Plan for the Settlement of Jurisdictional Disputes in the Construction Industry (hereinafter the "Plan"). Any jurisdictional dispute over the Contractor's assignment of work shall be settled in accordance with the provisions of the Plan.

Section 3. Where a jurisdictional dispute involves the International Brotherhood of Teamsters, it shall be referred for resolution to that International Union and the disputing International Union. The resolution of the dispute shall be reduced to writing, signed by the authorized representative of the International Unions and the Contractor. The assignments made by the Contractor shall be followed until such time as the dispute is resolved in accordance with this Section.

## **ARTICLE VIII - NO DISCRIMINATION**

Section 1. The Contractor and Union agree that they will not discriminate against any employee or applicant for employment because of his or her membership or nonmembership in a Union or based upon race, color, religion, sex, national origin or age in any manner prohibited by law or regulation.

Section 2. Any complaints regarding application of the provisions of Section 1 should be brought to the immediate attention of the involved Contractor for consideration and resolution.

Section 3. The use of the masculine or feminine gender in this Agreement shall be construed as including both genders.

#### **ARTICLE IX - SAVINGS AND SEPARABILITY**

It is not the intention of the parties to violate any laws governing the subject matter of this Agreement. The parties hereto agree that in the event any provisions of the Agreement are finally held determined to be illegal or void as being in contravention of any applicable law, the remainder of the Agreement shall remain in full force and effect unless the part or parts so found to be void are wholly inseparable from the remaining portions of this Agreement. Further, the contractor and Union agree that if and when any and all provisions of this Agreement are finally held or determined to be illegal or void by Court of competent jurisdiction, the parties will promptly enter into negotiations concerning the substance affected by such decision for the purpose of achieving conformity with the requirements of an applicable law and the intent of the parties hereto.

#### **ARTICLE X DURATION OF THE AGREEMENT**

The Project Labor Agreement shall be effective the \_\_\_\_\_ day of \_\_\_\_\_, 2008, and shall continue in effect for the duration of the Project construction work described in Article II hereof Construction of any phase, portion, section or segment of the project shall be deemed complete when such phase, portion, section or segment has been turned over to the Owner and has received the final acceptance from the Owner's representative.

Since there are provisions herein for no strikes or lockouts in the event any changes are negotiated and implemented under a Local Area Agreement during the term of this Agreement, the Contractor agrees that, except as specified herein, such changes shall be recognized and shall apply retroactively to the termination date in the particular Local Agreement involved. Each Contractor which has a Local Agreement with a Union at the time that its contract at the project

commences shall continue it in effect with each said Union so long as the Contractor remains on the project. In the event any such Local Area Agreement expires, the Contractor shall abide by all of the terms of the expired Local Agreement until agreement is reached on a new Local Agreement, with any changes being subject to the provisions of this Agreement.

The Union agrees that there will be no strikes, work stoppages, sympathy actions, picketing, slowdowns or other disruptive activity affecting the Project by any Union involved in the negotiation of a Local Area Agreement nor shall there be any lockout on this Project affecting the Union during the course of such negotiations.

IN WITNESS WHEREOF the parties have entered into this Agreement to be effective as of the day and year above written.

DULUTH BUILDING AND  
CONSTRUCTION TRADES COUNCIL

CONTRACTOR

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

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

Its \_\_\_\_\_  
(Printed Name/Title)

Its \_\_\_\_\_  
(Printed Name/Title)

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

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

CITY OF DULUTH

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

Attest:  
\_\_\_\_\_  
City Clerk

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

\_\_\_\_\_  
City Auditor

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

\_\_\_\_\_  
Assistant City Attorney

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

## SCHEDULE "A"

- A1 Asbestos Workers Local 49
- A-2 Boilermakers Local 647
- A-3 BAC Local 1 Chapter 3 Duluth & Iron Range
- A-4 Carpenters Local 361
- A-5 Cements Masons/Plasterers Local 633
- A-6 Elevator Constructors Local 9
- A-7 IBEW Local 242
- A-8 Iron Workers Local 512
- A-9 Laborers Local 1091
- A-10 Millwrights & Machinery Erectors Local 1348
- A-11 Operating Engineers Local 49
- A-12 Painters & Allied Trades Local 106
- A-13 Plumbers & Fitters Local 11
- A-14 Roofers Local 96
- A-15 Sheet Metal Workers Local 10
- A-16 Sprinkler Fitters Local 669
- A-17 Teamsters Local 346

**CONTRACTOR  
&  
CITY OF DULUTH**

THIS AGREEMENT, effective as of the date of attestation by the City Clerk, is made by and between the **CITY OF DULUTH**, a municipal corporation, hereinafter referred to as the "CITY," party of the first part, and \_\_\_\_\_ (**Contractor Name**), \_\_\_\_\_ (**Contractor Address, City, State, Zip Code**), hereinafter referred to as the "Contractor," party of the second part;

WITNESSETH: That the Contractor and the City agree as follows:

1. The following shall be deemed to be part of this contract:
  - a. The annexed resolution and legal advertisement of the City Council.
  - b. The bid request and specifications, as modified by irreconcilable language in this written contract.
  - c. The bid by Contractor, as modified by irreconcilable language in this written contract.
  - d. The performance bond and payment bond certification.
  - e. The project labor agreement, if applicable.
  - f. All provisions of law applicable to a contract of this nature.
  
2. The Contractor agrees to furnish and deliver to the City Department of \_\_\_\_\_ all labor, supervision, material, equipment, supplies, insurance, performance bond, payment bond and everything else necessary for general construction of \_\_\_\_\_ (Project Description) at \_\_\_\_\_ (Location of Project), all in strict accordance with plans and specifications prepared by \_\_\_\_\_ (City Architect/Engineer or City's Designated Consultant), your bid of \_\_\_\_\_ \$ (Vendor Bid Amount) and Council Resolution No. \_\_\_\_\_, passed \_\_\_\_\_ (Month/Day & Year of Resolution Passage). Contractor shall not commence performance of any work under this contract until Contractor receives authorization from the City's Purchasing Agent in writing and dated.
  
3. The City agrees to pay progress payments and make final payments to the Contractor as stated in the contract specifications. The total amount payable under this contract shall not exceed \_\_\_\_\_ (Sum in words) \_\_\_\_\_ (Sum in dollars) unless the contract is modified by formal amendment or change order. Payments under this Agreement shall be made from the following accounts \_\_\_\_\_, Vendor Code \_\_\_\_\_, Requisition No. \_\_\_\_\_.
  
4. The Contractor shall furnish and maintain in full force and effect until this contract is completely performed by the Contractor, a performance bond and payment bond if and when required by law, or if and when required by the City.

5. Inasmuch as this contract concerns work, materials and equipment needed for the public benefit, the provisions of this contract relating to the time of performance and completion of work and delivery of materials or equipment are of the essence of this contract.
6. The Contractor will defend, indemnify and save the City harmless from all costs, charges, damages, and loss of any kind that may grow out of the matters covered by this contract. Said obligation does not include indemnification of the City for claims of liability arising out of the sole negligent or intentional acts or omissions of City but shall include but not be limited to the obligation to defend, indemnify and save harmless the City in all cases where claims of liability against the City arise out of acts or omissions of City which are derivative of the negligence or intentional acts or omissions of Contractor such as, and including but not limited to, the failure to supervise, the failure to warn, the failure to prevent such act or omission by Contractor and any other such source of liability. In addition Contractor will comply with all local, state and federal laws, rules and regulations applicable to this contract and to the work to be done and things to be supplied hereunder.
7. Insurance
  - a. Contractor shall provide the following minimum amounts of insurance from insurance companies authorized to do business in the state of Minnesota, which insurance shall indemnify Contractor and City from all liability described in Paragraph 6 above, subject to provisions below.
    - (1) Workers' compensation insurance in accordance with the laws of the State of Minnesota.
    - (2) Public Liability and Automobile Liability Insurance with limits not less than **\$1,500,000** Single Limit, and twice the limits provided when a claim arises out of the release or threatened release of a hazardous substance; shall be in a company approved by the city of Duluth; and shall provide for the following: Liability for Premises, Operations, Completed Operations, Independent Contractors, and Contractual Liability.
    - (3) City of Duluth shall be named as **Additional Insured** under the Public Liability, Excess/Umbrella Liability\* and Automobile Liability, or as an alternate, Contractor may provide Owners-Contractors Protective policy, naming itself and the City of Duluth. Contractor shall also provide evidence of Statutory Minnesota Workers Compensation Insurance. Contractor to provide Certificate of Insurance evidencing such coverage with 30-days notice of cancellation, non-renewal or material change provisions included. The City of Duluth does not represent or guarantee that these types or limits of coverage are adequate to protect the Contractor's interests and liabilities.

*\*An umbrella policy with a "following form" provision is acceptable if written verification is provided that the underlying policy names the City of Duluth as an additional insured.*

- (4) If a certificate of insurance is provided, the form of the certificate shall contain an unconditional requirement that the insurer notify the City without fail not less than 30 days prior to any cancellation, non-renewal or modification of the policy or coverages evidenced by said certificate and shall further provide that failure to give such notice to City will render any such change or changes in said policy or coverages ineffective as against the City.
    - (5) The use of an “ACORD” form as a certificate of insurance shall be accompanied by two forms – 1) ISO Additional Insured Endorsement (CG-2010 pre-2004) and 2) Notice of Cancellation Endorsement (IL 7002) or equivalent, as approved by the Duluth City Attorney’s Office.
  - b. The insurance required herein shall be maintained in full force and effect during the life of this Agreement and shall protect Contractor, its employees, agents and representatives from claims and damages including but not limited to personal injury and death and any act or failure to act by Contractor, its employees, agents and representatives in the negligent performance of work covered by this Agreement.
  - c. Certificates showing that Contractor is carrying the above described insurance in the specified amounts shall be furnished to the City prior to the execution of this Contract and a certificate showing continued maintenance of such insurance shall be on file with the City during the term of this Contract.
  - d. Contractor shall be required to provide insurance meeting the requirements of this Paragraph 7 unless Contractor successfully demonstrates to the satisfaction of the City Attorney, in the exercise of his or her discretion, that such insurance is not reasonably available in the market. If Contractor demonstrates to the satisfaction of the City Attorney that such insurance is not reasonably available, the City Attorney may approve an alternative form of insurance which is reasonably available in the market which he or she deems to provide the highest level of insurance protection to the City which is reasonably available.
8. No claim whatsoever shall be made by the Contractor against any officer, agent or employee of the City for, or on account of, anything done, or omitted to be done, in connection with this contract. If this contract is not made in conformity with mandatory provisions of any statute or of the ordinances and charter of the City of Duluth, the Contractor agrees to raise no defense and make no claim against the City on the basis of ratification, laches, estoppel, or implied contract.
  9. The Contractor shall not assign, transfer, convey or otherwise dispose of this contract, or his right to execute it, or his right, title or interest in or to it, or any part thereof, without the consent of the City, evidenced by a resolution duly adopted by the City Council. The prohibition contained in this paragraph shall not be deemed to prevent the contractor from subcontracting. Contractor shall remain primarily responsible for all work performed by any subcontractor.
  10. The Contractor agrees that in the hiring of common or skilled labor for the performance of any work under this contract, Contractor will not discriminate by reason of race, creed or

color, religion, national origin, sex, marital status, status with regard to public assistance, disability or age.

11. The Contractor agrees that Contractor shall not in any manner discriminate against or intimidate or prevent the employment of any person or persons, or on being hired, prevent or conspire to prevent any person or persons from the performance or work under this contract on account of race, creed or color, religion, national origin, sex, marital status, status with regard to public assistance, disability or age.
12. The contractor agrees that, as provided in Minnesota Statutes 16C.05, Subd. 5, contractor's books, records, documents, and accounting procedures and practices are subject to examination by the City or the state auditor for six years from the date of final payment under this contract.
13. This contract may be cancelled or terminated by the City and all moneys due or to become due hereunder may be forfeited for any failure to perform any terms or conditions of this contract including but not limited to any violation of the terms or conditions of Section 10 or 11 of this contract.
14. Any waiver by any party of any provision of this contract shall not imply a subsequent waiver of that or any other provision.
15. This contract is made in the state of Minnesota and shall be construed and interpreted in accordance with the laws of the State of Minnesota. The appropriate venue and jurisdiction for any litigation hereunder shall be in a court located in St. Louis, County, Minnesota, and the parties to this Agreement waive objection to the jurisdiction of this court, whether based on convenience or otherwise.
16. This Agreement constitutes the entire agreement between the City and the Contractor on the subject matter hereof. It may not be changed, modified, discharged or extended except by written instrument duly executed on behalf of the City and the Contractor. The Contractor agrees that no representations or warranties made by the City shall be binding upon the City unless expressed in writing herein.
17. This Agreement shall not be in force and effect, or in any way binding upon the City until the same shall have been approved by the Director of \_\_\_\_\_ (Department Name), signed by the Mayor, attested by the Clerk, and countersigned by the City Auditor.
18. The Contractor unconditionally guarantees to perform all work pursuant to this contract in a good and workmanlike manner, in strict compliance with the specifications and instructions hereto attached, and to the satisfaction of the City of Duluth.
19. This Agreement may be executed in counterparts, each of which shall be deemed to be original and all of which together shall constitute the binding and enforceable agreement of the parties hereto. This Agreement may be executed and delivered by a party by facsimile or PDF transmission, which transmission copy shall be considered an original and shall be binding and enforceable against such party.

CITY OF DULUTH

CONTRACTOR

\_\_\_\_\_  
Mayor

Attest:

\_\_\_\_\_  
City Clerk  
Date: \_\_\_\_\_

Countersigned:

\_\_\_\_\_  
City Auditor

Approved as to form:

\_\_\_\_\_  
City Attorney

\_\_\_\_\_  
Department Director

\_\_\_\_\_  
Purchasing Agent

By \_\_\_\_\_  
Its \_\_\_\_\_

And By \_\_\_\_\_  
Its \_\_\_\_\_

**SECTION 01 10 00**

**SUMMARY OF WORK**

Generally work includes the following construction items:

- A. Demolition and construction required to install new stainless steel sink units, washer/dryers.
- B. Miscellaneous wall patching.
- C. Touch up painting of floor and wall surfaces.
- D. Water supply and drainage systems required for new laundry equipment.
- E. Design, furnish, and install dryer exhaust ductwork.
- F. Installation of owner supplier washer and dryer units.
- G. Design, furnish, and install required power supplies for washer and dryer units from panels as indicated on drawings.
- H. Mechanical and electrical work.

END OF SECTION

**SECTION 01 31 00**

**PROJECT COORDINATION**

**PART 1 - GENERAL**

1.1 SECTION INCLUDES

- A. Project Coordination
- B. Schedule
- C. Construction Meetings
- D. Shift Times
- E. Safety

1.2 SCHEDULE

- A. Schedule: The general contractor shall submit a schedule of construction activities for approval. Work shall be started as soon as Notice to Proceed is received and continue uninterrupted.

**Note:** Mechanical contractor may act as the prime contractor for purposes of coordinating subcontractors and scheduling.

- B. It shall be a part and requirement of this contract that the following work conditions be applied:

**Note:** Main building areas will be occupied by Fire Department. Contractor is to take extraordinary care to allow for continued Fire Department operations during construction.

**All work must be 100% complete by July 10, 2015.**

1.3 CONSTRUCTION MEETINGS/COORDINATION

- A. All contractors scheduled to have operations on site during any week, or when requested, shall attend construction meetings as scheduled. All upcoming construction operations will be reviewed at this meeting to allow for scheduling of activities or operations. Close coordination with authorized Fire Station representative must occur throughout construction period.
- B. Coordination: The general contractor shall provide scheduling and superintendence over mechanical, electrical, and subcontracts. Superintendent shall be available by cell phone or telephone during construction period.

**Note:** Mechanical contractor may act as the prime contractor for purposes of coordinating subcontractors and scheduling.

#### 1.4 SAFETY PROGRAMS

- A. Safety Programs: Each contractor shall be responsible for their safety programs and safety programs of their subcontractors. They shall be responsible for holding safety meetings that include a representative of the institution, and adherence to safety programs for their own forces or forces that are performing work that is a part of their contract. They shall be further responsible for the related safety of the public or other persons on site relative to the work under their control.

In no case shall the Owner, the Architect, or their respective employees and agents have either direct or indirect responsibility for matters related to project safety.

#### 1.5 SHIFT TIMES

- A. Minimum of eight (8) hour work days during regular Monday – Friday schedule. Hours of construction generally to be between 7:00 a.m. and 5:00 p.m. Work can be arranged for longer hours.

#### 1.6 SITE ACCESS/RESTRICTIONS

- A. Building Access: As building will be occupied by Fire Department during construction, access to facilities will not be allowed except for scheduled construction operations.
- B. Operations must be fenced to extent possible for patient safety. All entrances must remain passable unless prior arrangements for restricted use have been made.
- C. Storage Areas: Contractor is to provide locked storage containers/trailers in parking lot location identified by staff and/or schedule staggered delivery of materials to minimize on site congestion. Storage of materials beyond work areas is not available. Storage areas are indicated on plans and must be fenced by contractor to preclude access by patients or others.
- D. Maintain facility delivery access during construction. Coordinate operations with Owner's representative.
- E. Parking – See Section 01 50 00.

END OF SECTION

## **SECTION 01 33 00**

### **SUBMITTALS**

1. Successful bidder will be required to submit the following before contract forms will be developed.

- a) **Performance and Material Payment Bonds**

Contractor shall deliver with his executed contract, Performance Bond and Labor and Material Payment Bonds in the full amount of the contract, using forms acceptable to the Owner.

- b) **Progress Schedule**

The Contractor shall, within ten (10) days after the Notice of Award, prepare and submit to the Architect for approval, a schedule showing the order in which he proposes to carry on the work, and dates on which he will start, suspend, and complete the various items of work included in this agreement.

The Contractor will be required to adhere to his proposed schedule and he shall prosecute the work in such a manner as to insure its completion within the time set forth in the contract. Any failure to adhere to the proposed schedule will be considered prima facie evidence that Contractor has failed to provide sufficient workmen, equipment or materials to insure completion of the work within the specified time limit.

- c) **List of Subcontractors and Suppliers**

- d) **Schedule of Values**

- e) **Certificates of Insurance**

Certificates of insurance shall be filed with Owner and Architect/Engineer. No work under this contract shall be started until all insurance policies have been filed and approved.

- e) Other submissions required in this specification book.

2. **Shop Drawings**

Contractor shall review, stamp/approve, and then submit to the Architect with reasonable promptness and in such sequence as to cause no delay in the work or in the work of the Owner or any separate contractor, scanned electronic shop drawings in PDF format of five (5) copies of all shop drawings, product data, and samples required by the Contract Documents. Each drawing must contain sufficient clear area for the Contractor stamp and the Architect/Engineer stamp.

By approving and submitting shop drawings, product data, and samples, the Contractor represents that he has determined and verified all field materials, field measures, and file construction criteria related thereto, or will do so, and that he has checked and coordinated the information contained within such submittals with the requirements of the work and of the contract documents.

The Contractor shall not be relieved of any responsibility for any deviation from the requirements of the Contract Documents by the Architect's approval of shop drawings, product data or samples, unless the Contractor has specifically informed the Architect in writing of such deviation at the time of the submission, and the Architect has given written approval to the specific deviation.

The Contractor shall not be relieved from responsibility for errors or omissions in the shop drawings, product data, or samples by the Architect/Engineer's approval thereof.

No portion of the work requiring submission of a shop drawing, product, or sample shall be commenced until the submittal has been approved by the Architect/Engineer. All such portions of the work shall be in accordance with approved submittals.

END OF SECTION

## SECTION 01 50 00

### TEMPORARY FACILITIES AND CONTROLS

#### **PART 1 - GENERAL**

##### 1.1 SECTION INCLUDES

- A. Temporary Utilities
- B. Temporary Controls
- C. Construction Facilities
- D. Protection
- E. Clean Up
- F. Safety
- G. Job Sign
- H. Removal

##### 1.2 TEMPORARY UTILITIES

- A. Electricity: From existing building. Temporary power extension and lighting by Electrical Contractor
- B. Telephone Service: General Contractor's superintendent shall have cellular phone or provide a temporary hard-wire phone with answering machine and fax.
- C. Heat: Temporary heat required for construction by contractor.
- D. Water: By Owner.
- E. Sanitary Facilities: Toilet facility within building will be assigned by Owner.

##### 1.3 TEMPORARY CONTROLS

###### A. Barriers:

- 1. The entire work area such as excavations, roof edges, openings, shafts, etc. shall be protected during the time work is in progress.
- 2. Provide barriers as required to prevent public entry to construction areas, to provide for Owner's use of site, and to protect existing facilities and adjacent properties from damage from construction operations.
- 3. Provide barriers around trees and plants designated to remain. Protect against vehicular traffic, stored materials, dumping, chemically injurious materials, and puddling or continuous running water.
- 4. Temporary Dust Partitions: 2 x 4 studs with 6 mil poly sealed to ceiling and floor and covered with ½" gypsum board, locations as required by construction operations within occupied spaces or as shown on plans.
- 5. Contractor to maintain all exit ways at all times unless prior approval for alternate exiting path has been given by Fire Marshall.

###### B. Enclosures and Fencing:

- 1. Contractors shall provide all required safety enclosures and fencing around equipment and stored materials.
- 2. Provide temporary insulated water-tight closures of openings in exterior surfaces to provide acceptable working conditions and protection of materials, to allow for temporary heating, and to prevent entry of unauthorized persons.

- C. Parking: All parking for project to be on public streets. Parking lot to be retained for staff and visitors except when areas required for lifting or similar operations at limited and scheduled times.
- 1.4 CONSTRUCTION FACILITIES
- A. Jobsite Office: N/A.
- 1.5 JOB SIGN – N/A
- 1.6 PROTECTION OF INSTALLED WORK
- A. Protection of the Work: All work shall be protected until entire area and work processes are completed and inspected.
  - B. Work In Place (new or existing) that is subject to injury because of operations being carried on adjacent thereto, shall be covered, boarded up or substantially enclosed with adequate protection. Permanent openings used for thoroughfares for the introduction of work and materials to or from the structure shall have heads, jambs, and sills well blocked and boarded. All form of protection shall be constructed in a manner such that upon completion, the entire work will be delivered to the Owner in proper, whole, and unblemished condition.
- 1.8 CLEAN UP
- A. All contractors will be responsible for their own clean up, broom clean, and will be responsible for removal of waste and debris from the site. Coordinate dumpster location with Owner's representative. See Sction 01 70 00 for final cleaning requiriements.
- 1.9 REMOVAL
- A. Remove temporary materials, equipment, services, and construction prior to Substantial Completion inspection.
  - B. Clean and repair damage caused by installation or use of temporary facilities. Remove underground installations to a depth of two feet and grade site as indicated. Restore existing facilities used during construction to specified, or to original, condition.
- 1.10 TESTING
- A. Tests indicated in technical specification sections shall be paid for and coordinated by the respective contractors, results are to be forwarded to the Architect.

END OF SECTION

**SECTION 01 70 00**

**CONTRACT CLOSEOUT PROCEDURES**

**PART 1 - GENERAL**

**1.1 REQUIREMENTS INCLUDED**

- A. Administrative provisions for Substantial Completion and for final acceptance.

**1.2 SUBSTANTIAL COMPLETION**

- A. When Contractor considers Work or designated portion of Work is substantially complete, submit written notice to Architect/Engineer with list of items to be completed or corrected.
- B. Should Architect/Engineer inspection find Work is not substantially complete, he will promptly notify Contractor in writing, listing observed deficiencies.
- C. Contractor shall remedy deficiencies and send a second written notice of substantial completion.
- D. When Architect/Engineer finds Work is substantially complete he will prepare a Certificate of Substantial Completion in accordance with provisions of General Conditions.

**1.3 FINAL COMPLETION**

- A. When Contractor considers Work is complete, submit written certification containing the following:
  - 1. Contract Documents have been reviewed for completeness.
  - 2. Work has been inspected for compliance with Contract Documents.
  - 3. Work has been completed in accordance with Contract Documents, and deficiencies listed with Certificate of Substantial Completion have been corrected.
  - 4. Equipment and systems have been tested, adjusted, and balanced, and are fully operational.
  - 5. Operation of systems has been demonstrated to Owner's personnel.
  - 6. Work is complete and ready for final inspection.
  - 7. Work areas are substantially clean
- B. Should Architect/Engineer inspection find Work incomplete, he will promptly notify Contractor in writing listing observed deficiencies.
- C. Contractor shall remedy deficiencies and send a second certification of final completion.
- D. When Architect/Engineer finds work is complete, he will consider closeout submittals.

**1.4 REINSPECTION FEES**

- A. Should status of completion of Work require reinspection by Architect/Engineer after one (1) substantial completion inspection and one (1) final inspection of this work, Owner will deduct the amount of Architect/Engineer's compensation for reinspection services from final payment to Contractor.

## 1.5 CLOSEOUT SUBMITTALS

- A. Project Record Documents: Under provisions of Section 01 72 00.
- B. Operations and Maintenance Data: Under provisions of Section 01 73 00.
- C. Warranties and Bonds: Under provisions of Section 01 74 00.
- D. Spare Parts and Maintenance Materials: Under provisions of Section 01 75 00.
- E. Keys and Keying Schedule: Under provisions of Section 08 70 00.
- F. Evidence of Payment and Release of Liens: In accordance with Conditions of the Contract.
- G. Consent of Surety to Final Payment.
- H. Certificates of Insurance for Products and Completed Operations: In accordance with Supplementary Conditions.

## 1.6 STATEMENT OF ADJUSTMENT OF ACCOUNTS

- A. Submit final statement reflecting Adjustments to Contract Sum indicating:
  - 1. Original contract sum.
  - 2. Previous change orders.
  - 3. Changes under allowances.
  - 4. Changes under unit prices.
  - 5. Deductions for uncorrected work.
  - 6. Penalties and bonuses.
  - 7. Deductions for liquidated damages.
  - 8. Deductions for reinspection fees.
  - 9. Other adjustment to contract sum.
  - 10. Total contract sum as adjusted.
  - 11. Previous payments.
  - 12. Sum remaining due.
- B. Architect/Engineer will issue a final Change Order reflecting approved adjustments to Contract Sum not previously made by change orders.

## 1.7 APPLICATION FOR FINAL PAYMENT

- A. Submit application for final payment in accordance with provisions of Conditions of the Contract.

**PART 2 PRODUCTS - Not Used**

**PART 3 EXECUTION - Not Used**

END OF SECTION

**SECTION 01 74 00**

**FINAL CLEANING**

**PART 1 - GENERAL**

1.1 REQUIREMENTS INCLUDED

- A. Final cleaning of project to be done by a company experienced in cleaning of carpet, masonry, windows, and building cleaning.

1.2 DESCRIPTION

- A. Contractors shall execute cleaning prior to inspection for Substantial Completion of each designated portion of the Work.
- B. Execute exterior and site cleaning of all construction debris. Provide access and coordinate with owner's personnel.

**PART 2 - PRODUCTS**

2.1 CLEANING MATERIALS

- A. Use materials which will not create hazards to health or property, and which will not damage surfaces.
- B. Use only materials and methods recommended by manufacturer of material being cleaned.

**PART 3 - EXECUTION**

3.1 CLEANING

- A. In addition to removal of debris and cleaning specified in other sections, clean interior and exterior exposed to view surfaces including cabinet interiors.
- B. Remove temporary protection and labels not required to remain.
- C. Clean finishes free of dust, stains, films, and other foreign substances.
- D. Clean transparent and glossy materials to a polished condition; remove foreign substances. Polish reflective surfaces to a clear shine.
- E. Vacuum clean carpeted and similar soft surfaces.
- F. Clean, damp mop, wax, and polish resilient and hard surface floors as specified.
- G. Clean surfaces of equipment; remove excess lubrication.
- H. Clean plumbing fixtures, food service equipment, to a sanitary condition.
- I. Clean permanent filters of ventilating equipment and replace disposable filters when units have been operated during construction; in addition, clean ducts, blowers, and coils when units have been operated without filters during construction.

- J. Clean light fixtures and lamps.
- K. Maintain cleaning until Substantial Completion.
- L. Remove waste, foreign matter, and debris from roofs, gutters, area ways, and drainage systems.
- M. Remove waste, debris, and surplus materials from site. Clean grounds; remove stains, spills, and foreign substances from paved areas and sweep clean. Rake clean other exterior surfaces.
- N. After substantial completion Owner will perform further cleaning as he may require.

END OF SECTION

**SECTION 01 78 00**

**PROJECT RECORD DOCUMENTS**

**PART 1 - GENERAL**

1.1 REQUIREMENTS INCLUDED

- A. Maintenance of Record Documents and Samples.
- B. Submittal of Record Documents and Samples

1.2 RELATED REQUIREMENTS

- A. Conditions of Contract govern requirements of this section.
- B. Section 00700 - General Conditions
- C. Section 01300 - Shop Drawings, Product Data, and Samples
- D. Section 01700 - Contract Closeout Procedures
- E. Section 01730 - Operation and Maintenance Data
- F. Individual Specification Sections: Manufacturer' certificates and certificates of inspection.

1.3 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. In addition to requirements in General Conditions, all Contractors shall maintain at the site for Owner one record copy of:
  - 1. Contract Drawings
  - 2. Specifications
  - 3. Addenda
  - 4. Change Orders and other modifications to the Contract
  - 5. Reviewed shop drawings, product data, and samples.
  - 6. Field test records
  - 7. Inspection certificates
  - 8. Manufacturer's certificates
- B. Store Record Documents and samples in Field Office apart from documents used for construction. Provide fields, racks, and secure storage for record documents and samples.
- C. Label and file Record Documents and samples in accordance with Section number listing in Table of Contents of this Project Manual. Label each document "PROJECT RECORD" in neat, large, printed letters.
- D. Maintain Record Documents in a clean, dry and legible condition. Do not use Record Documents for construction purposes.
- E. Keep Record Documents and samples available for inspection by Architect/Engineer.

#### 1.4 RECORDING

- A. Record information on a set of opaque drawings and in a copy of a Project Manual, provided to Owner.
- B. Provide felt tip marking pens, maintaining separate colors for each major system, for recording information.
- C. Record information concurrently with construction progress. Do not conceal any work until required information is recorded.
- D. Contract Drawings and Shop Drawings: Legibly mark each item to record actual construction, including:
  - 1. Measured depth of element of foundation in relation to finish first floor datum.
  - 2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
  - 3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of construction.
  - 4. Field changes of dimension and detail.
  - 5. Changes made by Modifications.
  - 6. Details not on original Contract Drawings.
  - 7. References to related shop drawings and Modifications.
- E. Specifications: Legibly mark each item to record actual construction, including;
  - 1. Manufacturer, trade name, and catalog number of each product actually installed, particularly optional items and substitute items.
  - 2. Changes made by Addenda and Modifications.
- F. Other Documents: Maintain manufacturer's certifications, inspection certifications, and field test records, required by individual specification sections.

**PART 2 PRODUCTS** - Not Used

**PART 3 EXECUTION** - Not Used

END OF SECTION

**SECTION 01 78 36**

**WARRANTIES, BONDS, AND GUARANTEES**

**PART 1 - GENERAL**

**1.1 REQUIREMENTS INCLUDED**

- A. This is separate from performance and payment bonds, which are reviewed in other parts of this document.

See also Instructions to Bidders: Bid Bonds.

General and Special Conditions: Performance Bond and Labor and Material Payment Bonds, Warranty, and Correction of Work.

- B. Preparation and submittal of warranties and bonds.
- C. Schedule of submittals.

**1.2 RELATED REQUIREMENTS INCLUDE**

- A. Conditions of Contract and Division 1 - General Requirements govern work of this section.
- B. Section 01710 - Contract Closeout Procedures
- C. Section 01730 - Operation and Maintenance Data
- D. Individual Specification Sections: Warranties and bonds required for specific products or work.

**1.3 FORM OF SUBMITTALS**

- A. Bind in commercial quality 8-1/2 x 11 inch three-ring side binders, with hard back, cleanable, plastic covers.
- B. Label cover of each binder with typed or printed title WARRANTIES AND BONDS, with title of project; name, address and telephone number of Contractor; and name of responsible principal.
- C. Table of Contents: Neatly typed, in the sequence of the Table of Contents of the Project Manual, with each item identified with the number and title of the specification section in which specified, and the name of Product or work item.
- D. Separate each warranty or bond with index tab sheets keyed to the Table of Contents listing. Provide full information, using separate typed sheets as necessary. List subcontractor, supplier, and manufacturer with name, address, and telephone number of responsible principal.

#### 1.4 PREPARATION OF SUBMITTALS

- A. Obtain warranties and bonds, executed in duplicate by responsible subcontractors, suppliers, and manufacturers, within ten days after completion of the applicable item of work. Except for items put into use with Owner's permission, leave date of beginning of time of warranty until the Date of Substantial Completion is determined.
- B. Verify that documents are in proper form, contain full information, and are notarized.
- C. Co-execute submittals when required.
- D. Retain warranties and bonds until time specified for submittal.
- E. Submit to Owner.

#### 1.5 TIME OF SUBMITTALS

- A. For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within ten days after acceptance.
- B. Make other submittals within ten days after Date of Substantial Completion, prior to final Application for Payment.
- C. For items of Work when acceptance is delayed beyond date of Substantial Completion, submit within ten days after acceptance, listing the date of acceptance as the beginning of the warranty period.

#### **PART 2 - PRODUCTS - Not Used**

#### **PART 3 - EXECUTION - Not Used**

END OF SECTION

**SECTION 02 40 00**

**DEMOLITION**

**PART 1 - GENERAL**

**1.1 WORK INCLUDES**

- A. Work under this section includes all demolition and removal work at the existing building as is necessary to accommodate, build, and use the new construction; and disposition of all removed materials and equipment.
- B. Furnish all labor, tools, and appliances, and perform all operations necessary to complete all demolition work shown on the drawings and hereinafter specified, or as required to carry all work in the contract to satisfactory completion. Refer to plans for sequencing.
- C. The work shall include, but not necessarily be limited to, the following:
  - 1. Remove portions of existing building to receive new construction shown on drawings or herein specified including electrical, mechanical, and sprinkler work. Secure any unsupported ceiling areas or mechanical or electrical work.
  - 2. Remove materials, cut openings, chase masonry providing continuous waterproofing of building and protection of all openings.
  - 3. Removal of portions of existing work bench cabinetry as shown on drawings.

**1.2 GENERAL**

- A. Care of Work
  - 1. The Contractor shall be responsible for all injury to persons or property that occur as a result of his fault or negligence in connection with the prosecution of the work and shall be responsible for the proper care and protection of all work performed until completion and final acceptance.
  - 2. Demolition work shall proceed only after all materials, equipment, etc. designated for reuse or salvage of the Owner have been removed.
  - 3. In an emergency affecting the safety of life or property, on or adjoining the site, the contractor shall act, at his own discretion to prevent such threatened loss or injury.
  - 4. The Contractor shall avoid damaging sidewalks, streets, curbs, pavements, utilities, structures or any other property (except that which is to be replaced or removed) either on or adjacent to the site. He shall repair, at his own expense and in a manner satisfactory to the Architect, any damage thereto caused by his operations.

- B. Except as otherwise specifically stated in the contract documents, the Contractor shall provide and pay for all materials, labor, tools, equipment, water, light, heat, power, transportation, superintendence, temporary construction of every nature, charges, levies, fees or other expenses incurred and all other services and facilities of every nature whatsoever necessary for his performance of the contract within the time specified.

### **PART 3 - EXECUTION**

#### **3.1 PROTECTION**

- A. The contractor shall take responsible and adequate precautions to protect the Owner's property from damage during demolition work, moving of debris, and damage by the elements, including flooding, wind storms, etc. Any damage to the Owner's property due to the aforesaid work shall be restored or replaced by the contractor at his own expense and in a manner satisfactory to the Owner.
- B. Contractor shall provide and maintain suitable barricades, shelters, lights and danger signals during the progress of the work. They must meet the requirements of state and/or local building codes. The Contractor shall assume full responsibility of barriers to completion of contract and shall remove same. This shall include fence and barriers erected by other contractors.
- C. Erect temporary dustproof enclosures at work areas to prevent migration of dust or odors.

#### **3.2 GENERAL**

- A. Remove all work carefully and only to the extent required for the final work. Remove all loose or damaged materials caused by demolition, or noted or specified to be removed. Protect existing construction that is to remain from damage.
- B. Openings and pockets shall be neatly cut for installation of lintels, anchors, concrete slabs, and precast concrete slabs or bearing plates where required.
- C. Depressions, chases, etc. shall be neatly cut with carborundum saws where such cuts will be exposed in the finished work.
- D. The use of pneumatic hammers for demolitions and cutting purposes within the existing building will not be permitted.
- E. Debris transported through finished spaces shall be on rubber-tired trucks or dollies and shall be properly covered to minimize spread of dust. Clean up in finished spaces must occur on a regular basis.
- F. Leave each area broom clean upon completion of the demolition work.

#### **3.3 DISPOSITION OF MATERIALS**

- A. Unsalvageable Materials - All unsalvageable materials shall be removed in a manner that will avoid damage to materials or equipment to remain and shall be completely removed and legally disposed away from the site.

- B. Salvageable Materials to be Reused in the Work - Salvageable materials designated for reuse or relocation shall be carefully removed by the applicable trades and shall be protected from damage until they are incorporated into the new work.
- C. Salvageable Materials to be Stored for the Owner - Salvageable materials designated to remain the property of the Owner shall be carefully removed by the applicable trades, protected from damage, and stored as directed on the site.
- D. All other materials or debris resulting from demolition operation shall become the property of the Contractor and shall be removed from the site promptly. No accumulation of debris will be permitted. Wood and flammable debris resulting from demolition operations shall not be burned on the site.

### 3.2 ASBESTOS, PCB REMOVAL/ENCAPSULATION, OR LEAD

- A. If suspect material is encountered, advise Architect for removal action or instructions.

### 3.3 DEMOLITION AND SALVAGE

- A. No right, title, property or interest of any kind whatsoever in or to the land or premises upon which buildings or structures stand is created, assigned, conveyed, granted or transferred to the Contractor or any other person or persons, except only the license and right of entry to remove parts of buildings and structures in strict accordance with the Contract.
- B. Only such property may be salvaged by the Contract as is owned by the Owner and in the event of any doubt respecting the ownership of any particular property, the Contractor shall request from the Owner a written statement regarding its ownership.
- C. All salvage becomes the property of the contractor except as otherwise indicated, but storage of such materials and equipment on the project area will not be permitted except for the duration of the contract and such storage at no time interfere with the activities of the Owner or of other contractors.
- D. Personal property of third persons or of occupants of buildings on the site shall not become the property of the Contractor.
- E. Unless otherwise specified, no part of the structure shall be removed from the premises as a whole, or in a substantially whole condition, but all such parts shall be demolished on the premises.
- F. Live Utilities and Other Property
  - 1. The contractor shall assume all responsibility for damage attributable to him to any property upon, or passing through the project area, but excluded from the work not owned by the Owner such as utility lines, surface improvements, or like items.
  - 2. If disconnections of underground utility services are required to be made in public thoroughfares, the Contractor shall comply with all local requirements and regulations respecting the barricading of trees, the removal and restoration of pavement, and other pertinent matters.

- G. Mechanical and Electrical Work Exposed: Where mechanical ductwork or piping or electrical conduit is exposed during removal of partitions or walls it shall be removed or rerouted by the respective trades as required. Rerouting piping shall be located where directed and shall be connected to maintain all functions in proper operation. Abandoned piping may be left in place where it is concealed in floors or walls, providing that it is disconnected from its source. There shall be no "dead end" water, sewer, or vent piping existing in the completed work.

#### 3.4 PRECAUTIONS

- A. The operations of the contractor shall be done in such manner as to avoid fires and other hazards to persons and property, interference with the use of adjacent buildings or interruption of free passage to and from such buildings. On completion of the work at each building, the premises shall be left in a condition satisfactory to the Architect.
- B. Where adjoining structures are occupied, the contractor is required to advise the inhabitants as to when the demolition work or site clearance work will be started and of the hazards involved. At a minimum erect a solid 3'high barricade during working hours to restrict unauthorized persons from entering hazardous working areas. If basement openings or other hazardous conditions must be left unattended, a solid barricade shall be provided around the entire basement opening or hazard. Provide dust enclosures as specified previously.
- C. The use of explosives in the performance of the work under this Contract is prohibited.

#### 3.5 DEBRIS CLEANUP

- A. No combustible debris shall be thrown, stored or burned on the site or adjacent parcels, sidewalks, streets, drives, parking lots or alleys. Debris created from wrecking site clearances must be disposed of as demolition or removal work proceeds.
- B. Dropping of brick, stone or concrete walls on adjacent property, sidewalks, streets, drives, parking lots or alleys not in Contract is forbidden. All wrecking operations, storing or processing of non-combustible debris shall be restricted to the boundaries of the demolition area.
- C. The cleaning up of the streets, drives, walks, parking lots, parcels and the site shall include the removal and disposal of any rubbish, refuse or other trash lying within the areas, whether or not such conditions have resulted from operations under this Contract.

END OF SECTION

## **SECTION 03 30 00**

### **CAST-IN-PLACE CONCRETE**

#### **PART 1 - GENERAL**

##### **1.1 WORK INCLUDES**

- A. Patching and repairing of existing concrete slabs on grade removed to provide piping. Include doweling of existing slab edges with new as shown on plans.
- B. All cast-in-place concrete consisting of Portland cement, fine aggregate, coarse aggregate, water, admixtures; designed, proportioned, mixed, placed, finished, and cured as herein specified. Include vapor barrier under all slabs and all foundation insulation where adjacent to cast-in-place concrete.
- C. All concrete shall be standard weight. No lightweight structural concrete, lightweight concrete fill, or lightweight insulating concrete will be used.
- D. All slabs on grade over reinforced poly vapor barrier.

##### **1.2 REFERENCES**

- A. Comply with the provisions of the following codes, specifications and standards, except as shown or specified.
  - 1. ACI 614 - Recommended Practice for Measuring, Mixing, and Placing Concrete
- B. All concrete work which does not conform to the specified requirements; including strength, tolerances, and finishes, shall be corrected as directed by the Architect at the Contractor's expense, without extension of time therefrom. The Contractor shall also be responsible for the cost of corrections to any other work affected by or resulting from corrections to the concrete work.

#### **PART 2 - PRODUCTS**

##### **2.1 MATERIALS**

- A. Portland Cement - ASTM, C150, light burn. All exterior concrete to be air entrained. Provide Type I cement except as otherwise indicated. Type III may be used in lieu of Type I at contractor's option and when approved by the Architect.
- B. Only one brand of cement may be used for each required type throughout the work unless otherwise accepted by the Architect.
- C. Aggregate - ASTM C33. Do not use aggregate containing soluble salts or other substances such as iron sulfides, pyrite, marcasite or ochre which can cause stains on exposed concrete surface.
  - 1. Fine Aggregate - Clean, sharp, natural sand free from loam, clay, lumps, or other deleterious substances.
  - 2. Coarse Aggregate - Clean, uncoated, processed aggregate containing no clay, mud, loam or foreign matter.

Maximum designated sizes:

1-1/2" for all plain sections over nine (9) inches in thickness.

3/4" for all reinforced sections larger than three and one half (3-1/2) inches in thickness, and all plain sections between three and one half (3-1/2) and nine (9) inches in thickness,

3/8" for all sections three and one half (3-1/2) inches and less in thickness and for grouting hollow metal frames, partition bases, etc.

- D. Water - Clean, fresh, free from oil, acid, organic matter or other deleterious substances. Provide water for curing that does not contain impurities, in sufficient amounts, to concrete to remain exposed.
- E. Admixtures - Provide admixture produced by recognized admixture manufacturers and use in compliance with the manufacturer's printed directions. Do not use admixtures that have not been incorporated and tested in the accepted design mixes, unless otherwise authorized in writing by the Architect.
  - 1. Water Reducing Admixture - ASTM C494, Type A, containing no set-accelerating, set-retarding compound, chlorides, fluorides, or nitrates. Master Builder's Pozzolite and W.R. Grace WDRA or approved equal.
  - 2. Calcium Chloride - Do not use calcium chloride in concrete, except as otherwise authorized in writing by the Architect. When authorized, carefully proportion calcium chloride to not more than 2% of the weight of cement. Dissolve calcium chloride in a separate container and add to the concrete mixing water before water is added to the mix.
  - 3. Air Entraining Agent - ASTM C260 and approved by the Architect. Use in all concrete exposed to weather or freezing as a supplement, as required, to the dispersing agent to produce a total air entrainment of 5% ± 1%.
  - 4. Admixtures retarding setting of cement in concrete shall be used if ordered by the Architect, especially in hot weather for high wall lifts.
  - 5. Admixtures shall be premixed in solution form and dispensed as recommended by the manufacturer. The water in the solution shall be included in the computation of water-cement ratio.
- F. Joint Filler - Pre-formed, non-extruding type, ASTM D1751. Celotex Flexcell, W.R. Meadows Sealtight, or W.R. Grace Co., Korkpak Code 13211.
- G. Membrane Forming Curing Compound - ASTM C309, Type I, clear with fugitive dye for interior and exterior surfaces to receive applied finishes. W.R. Grace Clear Seal or Sonneborn Contech Kure-N-Seal.

- H. Curing Materials
  - 1. Kraft paper shall be waterproof and nonstaining.
  - 2. Burlap shall be of commercial quality and non-staining.
  - 3. Polyethylene film shall be sheet or roll material not less than .004" thick.
  - 4. Sand shall be washed sand.
- I. Non-Slip Aggregate - Sonneborn Desote Frictex or Grace Duraflex. Use on all ramps.
- J. Slab Joint Key – N/A
- K. Waterstop – N/A.
- L. Fiber Mesh Reinforcing – Synthetic fiber reinforcing shall be nylon, fibermesh, or other reinforcing as approved by the architect. Synthetic reinforcing shall be mixed in strict accordance with the manufacturer's recommendations.
- M. Reinforced Poly Vapor Barrier to be WR Meadows 10 mil Perminator or approved equal. Install with 2' minimum overlap. Extend up wall prior to slab pour.

## 2.2 PROPORTIONING AND DESIGN OF MIXES

- A. Concrete to be 4000 lb. exterior concrete slabs and slabs exposed to road salt to be air entrained concrete.
- B. Prepare design mixes for each type of concrete shown and specified. Use an independent testing facility accepted by the Architect for preparing and reporting proposed mix design. The testing facility shall not be the same as used for quality control testing.
- C. Proportion design mixes by weight for each class of concrete required, complying with ACI 301 and report the following data:
  - 1. Complete identification of aggregate source of supply.
  - 2. Test of aggregates for compliance with specified requirements.
  - 3. Scale weight of each aggregate.
  - 4. Absorbed water in each aggregate.
  - 5. Brand, type, and composition of cement.
  - 6. Brand, type, and amount of each admixture.
  - 7. Amounts of water used in trial mixes.
  - 8. Proportions of each material by weight per cubic yard.
  - 9. Gross weight and yield per cubic yard of trial mixtures.
  - 10. Measured slump.
- D. Submit written reports to the Architect of each design mix for each type and class of concrete, at least 15 calendar days prior to the start of the specified work. Include in each report the project identification name and number, date of report, name of contractor, name of concrete testing service, concrete class, source of concrete aggregates, manufacturer and brand name of manufactured materials, the precise proportions of the concrete mix, the properties specified herein for the type and class of concrete, and the test results for each property specified for the design mix.

- E. Design the concrete mixes so that the compressive strength will be at least 15% greater than the minimum specified compressive strength; and so that not more than one test, of any 10 consecutive tests for strength, will have a value less than 90% of the required strength.
- F. The criteria specified herein are maximums or minimums, and shall not be construed to predetermine fixed quantities of materials in the mix design, or to preclude change of an accepted mix design at any time. Mix design adjustments may be requested by the Contractor when characteristics of materials, job conditions, weather, test results, or other circumstances warrant, at no additional cost to the Owner and as accepted by the Architect. Laboratory test data for revised mix design and strength results must be submitted to and accepted by the Architect before using in the work.
- G. Concrete Mixes – See notes on structural plans for additional concrete data.
- H. Slump and Workability
  - 1. Slump - For regular weight concrete the slump shall be a maximum of 4" for walls and columns and 3" for all other concrete. The minimum slump shall be 1". The amount of slump shall be determined by the standard test method ASTM C143.
  - 2. Workability - Workability shall be such that when adequately vibrated with high cycle internal vibrators the concrete will consolidate completely without segregation.

### 2.3 CONCRETE MIXING

- A. Concrete shall be mixed at batch plants as specified herein. Batch plants must comply with requirements of ACI 614, with sufficient capacity to produce concrete of the qualities specified in quantities required to meet the construction schedule. All plant facilities are subject to the acceptance of the Architect.
- B. Ready-Mix Concrete - Comply with requirements of ASTM C94, and as herein specified, provided the quantity and rate of delivery will permit unrestricted progress of the work in accordance with the placement schedule. During hot weather or under conditions contributing to rapid setting of concrete, a shorter mixing time than specified in ASTM C94 may be required as specified below. Proposed changes in mixing procedures, other than herein specified, must be accepted by the Architect before implementation.
- C. Batch Mixing at the Site - Batch mixing at the job site is acceptable for small quantities such as frame grouting, beam and lintel filling, etc. Batch mixing shall be accomplished in accordance with Section 702 of ACI 301-66.

## PART 3 - EXECUTION

### 3.1 GENERAL

- A. Notify all parties in advance of concrete pours, allowing reasonable time for others to complete their work. Verify all openings before pouring. Verify locations of inserts with other trades to insure accurately and properly placed inserts.

- B. Pour no concrete until all reinforcing in entire section is in place, properly secured, tied, and with ample supports, and until reinforcing is inspected. See Section 03200 for required coverages. Pouring of concrete signifies satisfaction by Contractor of placement of reinforcing steel and forms and therefore responsibility for results.
- C. Expansion joint material, waterstops, and embedded items shall be positioned accurately and supported against displacements. Voids in sleeves, inserts, grout holes, and anchor slots shall be filled temporarily with readily removable material to prevent entry of concrete into voids.
- D. Before placing concrete, inspect and complete the formwork installation, reinforcing steel, and items to be embedded or cast-in. Notify other crafts involved in ample time to permit the installation of their work and cooperate with other trades in setting such work, as required. Thoroughly wet wood forms immediately before placing concrete as required where form coatings are not used.
- E. Soil below concrete is subject to testing for soil bearing value by the testing laboratory, as directed by the Architect. Place concrete immediately after approval of subgrade.

### 3.2 CONCRETE PLACEMENT

- A. Place concrete in compliance with the practices and recommendations of ACI 614 and as herein specified.
  - 1. Deposit concrete continuously or in layers of such thickness that no concrete will be placed on concrete which has hardened sufficiently to cause the formation of seams or planes of weaknesses within the section. If a section can not be placed continuously, provide construction joints as herein specified.
  - 2. Perform concrete placing at such a rate that the concrete that is being integrated with fresh concrete is still plastic. Deposit concrete as nearly as practicable to its final location to avoid segregation due to rehandling or flowing. Do not subject concrete to any procedure that will cause segregation.
  - 3. Screed concrete which is to receive other construction to the proper level to avoid excessive skimming or grouting.
  - 4. Set screeds to provide slab depressions of proper depth to provide flush finish surfaces between all adjacent finish floorings. Set metal divider strips.
  - 5. Do not use concrete which becomes non-plastic and unworkable, or does not meet the required quality control limits, or which has been contaminated by foreign materials. Do not use retempered concrete. Remove rejected concrete from the project site and dispose of legally.
- B. Placement Schedule - Prepare a placement schedule and submit to the Architect for acceptance before starting concrete placement operations, indicating an even distribution of loads throughout the entire structure. Rigidly follow placement sequence or schedule (if any) shown on the drawings, unless otherwise directed.
- C. Concrete Conveying - Handle concrete from the point of delivery and transfer to the concrete conveying equipment and to the locations of final deposit as rapidly as practicable, using methods which will prevent segregation and loss of concrete mix materials.

Provide mechanical equipment of such size and design for conveying concrete to ensure a continuous flow of concrete at the delivery end. Provide runways for wheeled concrete conveying equipment from the concrete delivery point to the location of final deposit. Keep interior surfaces of conveying equipment, including chutes, free of hardened concrete, debris, water, snow, ice, and other deleterious materials.

- D. Placing Concrete in Forms - Deposit concrete in forms in horizontal layers not deeper than 18" and in a manner to avoid inclined construction joints.
1. Remove temporary spreaders in forms when concrete placing has reached the elevation of such spreaders.
  2. Consolidate all concrete placed in forms with mechanical vibrating equipment supplemented by hand spading, rodding or tamping. Use vibrators designed to operate with vibratory element submerged in concrete, maintaining a speed of not less than 6000 impulses per minute when submerged in the concrete. Vibration of forms and reinforcing will not be permitted unless otherwise accepted by the Architect.
  3. Do not use vibrators to transport concrete inside of forms. Insert and withdraw vibrators vertically at uniformly spaced locations not farther than the visible effectiveness of the machine. Do not insert vibrators into lower layers of concrete that have begun to set. At each insert, limit the duration of vibration to the time necessary to consolidate the concrete and complete embedment of reinforcement and other embedded items without causing segregation of the mix.
  4. Do not place concrete in supporting elements until the concrete previously placed in columns and walls is no longer plastic.

### 3.3 COLD WEATHER PLACING

- A. Protect all concrete work from physical damage or reduced strength which could be caused by frost, freezing action, or low temperatures, in compliance with the requirements of ACI 306 and as herein specified.
- B. When the air temperature has fallen to or is expected to fall below 40°F, provide adequate means to maintain the temperature in the area where concrete is being placed at either 70°F for three days or 50°F for five days after placing. Provide temporary housings or coverings including tarpaulins or plastic film. Keep protection in place and intact at least 24 hours after artificial heat is discontinued. Avoid rapid dry-out of concrete due to overheating and avoid thermal shock due to sudden cooling or heating.
- C. When air temperature has fallen to or is expected to fall below 40°F, uniformly heat all water and aggregates before mixing as required to obtain a concrete mixing temperature of not less than 50° and not more than 80°F at point of placement.
- D. Do not use frozen materials or materials containing ice or snow. Do not place concrete on frozen subgrade containing frozen materials.
- E. Ascertain that forms, reinforcing steel, and adjacent concrete surfaces are entirely free of frost, snow, and ice before placing concrete.

- F. Do not use calcium chloride, salt, and other materials containing anti-freeze agents or chemical accelerators, unless otherwise accepted in writing by the Architect.

### 3.4 CONSTRUCTION JOINTS AND CONTROL JOINTS

- A. Construction Joints: Locate and install construction joints, which are not shown on the drawings, so as not to impair the strength and appearance of the structure, as acceptable to the Architect. Locate construction joints, as follows:
  - 1. Place construction joints perpendicular to the main reinforcement. Continue all reinforcement across construction joints.
  - 2. Provide keyways at least 1-1/2" deep in all construction joints in walls, slabs, and between walls and footings.
- B. Control Joints: Construct joints in exterior flatwork in the pattern shown on the drawings.
  - 1. The contraction joints shall be formed by placing in the concrete a sheet of steel 1/8 inch thick which is withdrawn after the concrete is finished or by inserting into the concrete a plane of weakness not less than one half the depth of the concrete, or by sawing to a depth of at least 1/4 the thickness of the concrete.
  - 2. Expansion joints shall be located where shown and at the intersection of the horizontal with vertical surfaces.
  - 3. Expansion joints shall be formed by installing normal to the horizontal surfaces a 1/2 inch section of preformed joint filler extending from 1/2 inch below the finished surface to the subgrade or structural slab. The space above the expended joint shall be kept open by a suitable cap until the concrete is finished.

### 3.5 REPAIRING AND FINISHING OF FORMED SURFACES

- A. It is the intent of this specification to require forms, mixtures of concrete and workmanship so that concrete surfaces, when exposed, will require no patching except for plugging of tie holes. However, where patching is acceptable to the Architect, ACI 301-66 and the procedures described below shall be followed. All exposed concrete to conform to ACI 347-04 Class "A" finish and tolerances. All irregularities are to be ground/patched as listed below.
  - 1. As soon as the forms have been stripped and the concrete surfaces exposed, fins and other projections shall be removed. Except where hydrolithic waterproofing is to follow, recesses left by the removal of form ties shall be filled and surface defects that do not impair structural strength shall be repaired. Clean all exposed concrete surfaces and adjoining work stained by leakage of concrete to the satisfaction of the Architect.
  - 2. Immediately after removal of forms, remove cones, or cut off metal ties at least 1-1/2" back from all exterior surfaces exposed to view or which are to be finished. Holes, except in exposed surfaces of concrete walls are then to be promptly filled as follows: Moisten the hole with water, followed by a 1/16" brush coat of neat cement slurry mixed to the consistency of a heavy paste. Immediately plug the hole with a 1:1-1/2 mixture of cement and concrete sand mixed slightly damp to the touch (just short of "balling"). Hammer the grout

into the hole until dense and an excess of paste appears on the surface. Trowel smooth with heavy pressure. Employ same source of cement and sand as used in the parent concrete. Where the concrete is exposed to view and scheduled to be unpainted, the color of the patching grout shall be adjusted as necessary (by the addition of proper amount of white cement or limestone screenings) to cause the patches, when dry, to match the parent concrete when dry. Rub lightly with a carborundum stone at an age of one to five (1 - 5) days if necessary to bring the surface plane with the parent concrete.

3. Holes left by the removal of cones in exposed exterior surfaces of walls and piers shall be treated in the manner specified above, except that the holes shall be filled only to within 1/2 inch of the parent concrete surface.
4. Defective concrete and honeycombed areas shall be chipped down square and at least 1" deep to sound concrete by means of cold chisels or pneumatic chipping hammers. If honeycomb exists around reinforcement, chip to provide a clear space at least 3/8" wide all around the steel to afford proper ultimate bond thereto. For areas less than 1-1/2" deep, the patch may be made in the same manner as described above for filling form tie holes, care being exercised to use adequately dry (non-trowelable) mixtures and to avoid sagging. Thicker repairs shall require build up in successive days, each layer being applied (with slurry, etc.) as described above. To aid strength and bonding of the multiple layer repairs, Embeco non-shrink metallic aggregate, as manufactured by the Master Builders Company, Cleveland, Ohio) is recommended as follows:

<u>Materials</u>	<u>Volumes</u>	<u>Weights</u>
Cement	1.0	1.0
Embeco	0.15	0.25
Sand	1.5	1.5

For very heavy (generally, formed) patches, pea gravel may be added to the mixture and the proportions modified as follows:

<u>Materials</u>	<u>Volumes</u>	<u>Weights</u>
Cement	1.0	1.0
Embeco	0.2	0.33
Sand	1.0	1.0
Pea Gravel	1.5	1.55

In cases where the "Embeco" is employed in multiple patches and the final layer (to at least the final 1/2 inch) shall be composed of the 1:1.5 grout without Embeco. After hardening, rub lightly as described above for form tie holes.

### 3.6 CURING AND PROTECTION

- A. General - Freshly deposited concrete shall be protected from premature drying and excessively hot or cold temperatures, and shall be maintained without drying at a relatively constant temperature for a period of time necessary for hydration of cement and proper hardening of concrete.

- B. Initial Curing - Concrete shall be kept continuously moist at least overnight. One of the following materials or methods shall be used:
  - 1. Ponding or continuous sprinkling.
  - 2. Absorptive mat or fabric kept continuously wet.
- C. Final Curing - Immediately following initial curing and before concrete has dried, additional curing shall be accomplished by one of the following methods or materials:
  - 1. Continuing method used in initial curing.
  - 2. Waterproof paper conforming to "Specifications for Waterproof Paper for Curing Concrete" (ASTM C171), or polyethylene film with taped joints.
- D. Duration of Curing - Final curing shall continue until consecutive, cumulative, number of days during which temperature of air in contact with concrete is above 50°F has totaled 7 days. If high early strength concrete has been used, final curing shall continue for a total of 3 days above 50° F. Rapid drying at the end of the curing period shall be prevented.
- E. Curing Formed Surfaces - Cure formed concrete surfaces by moist curing with the forms in place for the full curing period or until forms are removed. If forms are removed, continue curing by any one of the methods specified above, as applicable.
- F. Temperature of Concrete During Curing - When the atmospheric temperature is 40°F and below, maintain the concrete temperature at not less than 55°F continuously throughout the curing period. When necessary, make arrangements before concrete placing for heating, covering, insulation or housing as required to maintain the specified temperature and moisture conditions continuously for the concrete curing period. Provide hot weather protections complying with the requirements of AIC 605. Maintain concrete temperature as uniformly as possible, and protect from rapid temperature changes in concrete which exceed 5° F in any one hour and 50° F in any 24-hour period.
- G. Protection from Mechanical Injury - During the curing period, protect concrete from damaging mechanical disturbances including load stresses, heavy shock, excessive vibration, and from damage caused by rain or flowing water. Protect all finished concrete surfaces from damage by subsequent construction operations.

### 3.7 FLATWORK FINISHING

- A. Broom Finish - Provide a broom finish on the following surfaces:
  - Exterior stair treads and ramps with brooming parallel to tread length.
  - Sidewalks and platforms.
  - Procedure for broom finish shall be in accordance with applicable portions of Chapter 11, ACI 301-72 stiff bristle broom as approved by Architect.
- B. Non-Slip Finish - Provide a non-slip finish on the following surfaces:
  - Concrete stairs and landings.
  - Concrete ramps.
  - Procedure - Allow the concrete surface to harden until it bears the weight of workmen standing on boards. At this time, the specified non-slip aggregate, previously soaked in clean water for not less than 10 minutes, but free of excessive surface moisture, shall be broadcast and embedded and the slabs trowel finished in accordance with ACI 301-72.

- C. Place colored mineral aggregate/colored dry shake hardener evenly over concrete utilizing broadcast spreader. Install per manufacturer's instructions. Degussa "Mastercorn" or equal, color as selected.

### 3.9 FIELD QUALITY CONTROL

- A. The owner shall select a separate testing laboratory to perform all tests and to submit test reports to the Architect.

Materials and installed work may require testing and retesting as directed by the Architect at any time during the progress of the work. Allow free access to material stockpiles and facilities at all times. Tests including the retesting of rejected materials and installed work, shall be done at the Contractor's expense.

- B. Concrete shall be sampled and tested for quality control during the placement of concrete as follows:

Compressive Strength Tests - ASTM C39, one set of 3 specimens for each 50 cubic yards, or fraction thereof, of each concrete class placed in any one day. One specimen shall be tested at 7 days and two specimens tested at 28 days (1 lab cured and 1 job cured).

When there is evidence that the strength for the concrete structure in place does not meet the specification requirements, the concrete testing service shall take cores drilled from hardened concrete for compressive strength determination, comply with ASTM C42 and as follows:

1. Take at least three representative cores from each member or area of suspect strength, from locations directed by the Architect.
2. Strength of concrete for each series of cores will be considered satisfactory if their average compressive strength is at least 90% of the specified 28-day design compressive strength.
3. Report test results in writing to the Architect on the same day that tests are made. Include in test results the project identification name and number, date, name of Contractor, name of concrete testing service, location of test core in the structure, type or class of concrete represented by core sample, nominal maximum size aggregate, design compressive strength, compression breaking strength and type of break (corrected for length-diameter ratio), direction of applied load to core with respect to the horizontal plane of the concrete as placed, and the moisture condition of the core at the time of testing.
4. The Contractor shall pay for such tests conducted and any other additional testing as may be required. Fill core holes with patching mortar and finish to match adjacent concrete surfaces. Correct all concrete work that is found structurally inadequate by core tests, as directed by Architect.

## **SECTION 05 41 00**

### **LIGHT GAUGE FRAMING**

#### **PART 1 - GENERAL**

##### 1.1 WORK INCLUDES

- A. Furnish and install light gauge framing as required for laundry equipment installation or as shown on plans.

#### **PART 2 - PRODUCTS**

##### 2.1 MATERIALS

- A. Regular Duty: Studs shall be non-load bearing 16" o.c. equal to Gold Bond channel stud 20 gauge or approved equal. Metal studs and tracks 3-5/8" wide shall be erected where partitions are shown on drawings without specific designation. Install partitions plastered both sides except where wider space is indicated, as in back of toilets or other mechanical equipment where two sets of studs will be erected and braced between 4'-6" o.c. and plastered one side each set of studs. Studs shall not be set to be restrained at masonry, columns, or similar intersections. Use 6" stud walls behind lavatories. Thickness of walls above shall be verified in each case with total wall thickness shown on drawings.
- B. Provide miscellaneous and shaft framing in shapes and sizes indicated on plans.

#### **PART 3 - EXECUTION**

##### 3.1 APPLICATION

- A. Track - Align steel stud track accurately to the partition layout at both floor and ceiling. Secure to concrete slabs with 1/2" concrete stud nails or other suitable fasteners not over 24" o.c.
- B. Studs - Secure studs, spaced 16" o.c. and doubled at doors between the track flanges with two stud shoes at both top and bottom. Wire tie shoes to studs with two double strands of 18 gauge, type I, galvanized tie wire.

Alternate: Combination stud shoe and starter clip may be used on base track, or shoe clips may be used to secure the stud shoes at floor and ceiling. Snap-in track may be used as another alternate.

- C. Framing Around Door Frame - When the door frame assembly is securely anchored, secure attachment around the frame. Adjacent to the stud which is fastened to the jamb anchors, erect another stud.

Over the frame head, erect jack studs not exceeding 16" o.c. Reinforce the framing over the door frame head by placing a 3/4" furring channel no more than 6" above the frame opening and extend this channel at least two full stud spaces beyond each side of the opening. The channel shall be securely wire tied to the flanges of each studs.

D. Studs and Runners

1. Align runners accurately according to wall layout and secure to base and head with power-driven fastener spaced 8" o.c.
2. Position studs vertically in runners and space no greater than 16". Securely anchor each stud or runner with four ½" Type S-12 pan head or 5.8" Type S-12 low profile head screws, two at top and two at bottom, with one screw in each flange.
3. For the slip track system, allow ½" to ¾" clearance between top of studs and UR runner. Do not fasten studs to UR runner. Install 1½" cold rolled channel lateral bracing within 10" to 12" of tops of studs. Connect bracing to each stud using welded or screw attached USG Clip Angle.

END OF SECTION

## **SECTION 05 50 00**

### **MISCELLANEOUS METALS**

#### **PART 1 - GENERAL**

##### 1.1 DESCRIPTION OF WORK

- A. The work required under this section consists of all steel and miscellaneous metals, painting, and related items necessary to complete the work indicated on the drawings and described in the specifications.

##### 1.2 REFERENCE STANDARDS

- A. Cast iron shall conform to ASTM Specification A48-60T and unless designated otherwise shall be Class No. 30 with a minimum tensile strength of 30,000 psi.
- B. Nodular or ductile iron bars shall conform to ASTM A339-55. This material may be used in place of cast iron for items and locations as hereinafter specifically designated.
- C. Refined wrought iron bars shall conform to ASTM A189-60T, Grade B, single refined, round, hexagonal, and rectangular bars.
- D. Steel shall conform to ASTM A36-61T and requirements of Section 05 41 00.

##### 1.3 SUBMITTALS – N/A

#### **PART 2 - PRODUCTS**

##### 2.1 MATERIALS

- A. Miscellaneous Anchors and Bolts: Provide all anchors, hangers, bolts, toggle bolts, expansion bolts, rods, clip angle screws, sleeves, shims, connection stiffeners, reinforcement screws, etc. required for proper and complete fabrication, assembly, and installation of miscellaneous and ornamental metal work. Exposed accessories shall have finish to match exposed hardware.
- B. Miscellaneous Lintels, Shelf Angles, Beams and Plates: Shelf angles, loose lintels, and other incidental items of structural steel not included in other paragraphs, as defined by the AISC Code of Standard Practice, shall be furnished under this section.

##### 2.2 PAINTING AND PROTECTIVE COATING

- A. All ferrous metal, except stainless steel, shall be properly cleaned and given one (1) shop coat of red lead or zinc chromate primer. Anchors that are built into masonry shall be coated with asphalt paint unless specified to be galvanized. Metal work to be encased in concrete shall be left unpainted unless specified or noted otherwise. Where hot dip galvanized or zinc coated metal is specified or shown, it shall not be shop primed unless specifically required.
- B. Insulate faces of metal in contact with different metals, with masonry, concrete, plaster, or earth by giving each contact surface one coat of approved alkali resistant bituminous paint.

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION**

- A. Metal surfaces shall be clean and free from mill scale, flake rust, and pitting; well formed and finished to shape and size with sharp lines and angles and smooth surfaces. Shearing and punching shall leave clean true lines and surfaces. Weld or rivet permanent connections. Welds and flush rivets shall be finished flush and smooth on surfaces that will be exposed after installation. Do not use screws or bolts where they can be avoided. Where used, heads shall be countersunk, screwed up tight, and threads nicked to prevent loosening.
- B. Casting shall be of uniform quality, free from blowholes, porosity, hard spots, shrinkage distortion or other defects. Casting shall conform to the dimensions indicated with a tolerance of plus or minus 1/8 inch, except in the dimensions of covers and the openings to receive them shall be limited to blasting or other approved method. Covers subject to street or foot traffic shall have machined horizontal bearing surfaces; provide machine bearing for contact surfaces for other joints where indicated or required.
- C. Fastenings shall be concealed where practicable. Thickness of metal and details of assembly and supports shall give ample strength and stiffness. Joints exposed to weather shall be formed to exclude water. Provide holes and connections for the work of other trades.
- D. At the proper time, deliver and set in place items of metal work to be built into adjoining construction.

END OF SECTION

## **SECTION 06 10 00**

### **CARPENTRY**

#### **PART 1 – GENERAL**

##### 1.1 WORK INCLUDES

- A. Furnish and install all rough carpentry indicated on the drawings and herein specified.

#### **PART 2 – PRODUCTS**

##### 2.1 MATERIALS

- A. Lumber shall be construction grade, coast type, Douglas Fir or White Pine, No. 1 Northern Hardwood and Pine Association. Lumber shall comply with PS20, American Softwood Lumber Standard. All of the above shall be less than 15% moisture content when installed as framing, furring, or rough bucks. Lumber must bear stamp on each piece over 5'-0" long.

Wood nailers, cants, curbs, etc. for roofs and wood in direct contact with concrete slabs shall be pressure treated with Wolman Salts with not less than 0.35 pounds of salt injected for each cubic foot of wood, or shall be treated before installation with two coats of woodlife preservative, colored to identify areas coated.

- B. Wood bucks, plates, etc. and fire treated wood shall be nominal 2-inch material. Lumber for bucks, blocking, furring or other use shall be pressure treated with Kopper's Company Non-Com fire-retardant chemicals to comply with UL requirements.
- C. Vapor Barrier: All vapor barriers to be 6-mil polyethylene (reinforced 10-mil poly under slabs) film lapped minimum of 16 inches where laps are required. Apply in as large panels as possible, depending on conditions. Install below concrete floor slab and where shown and called for on drawings. Seal top and bottom edges in continuous acoustical sealant.

#### **PART 3 – EXECUTION**

##### 3.1 INSTALLATION

- A. Protect all masonry, carpentry, metal work, millwork and other materials from damage of any character during the progress of the work. Store millwork in accordance with manufacturer's recommendations. Provide temporary wood doors in exterior walls and cloth or transparent plastic covering over windows in exterior walls during plastering and until the building has dried out.

- B. Furnish and install all wood nailing blocks, furring strips, grounds, including grounds, etc. and all other ground and framing detailed or required for the securing of all finished work. When installed on masonry, securely fasten with anchors spaced not more than 18" on centers. Anchors shall be similar to Rawl Plugs consisting of #12 sheet metal screws at least 2-1/4" long and lead lined fibre enclosed shield inserted in 1/4" holes drilled in masonry with a carboloy bit. Devices other than Rawl Plugs may be substituted provided they consist of metal lined shields enclosed with compressive material inserted in drilled holes and have screws to permit shimming of wood grounds providing for adjustment and alignment to true lines and planes.
- C. Furnish and install all rough hardware required, such as nails, screws, anchor bolts and devices (except those occurring in structural steel). All rough hardware shall be of the proper type and size for the intended use. Provide adequate hardware to achieve substantial and positive anchorage. Nailing into wood plugs is not acceptable for any work.
- D. Blanket and fill type insulation shall be installed where shown and to the extent indicated on the drawings.

END OF SECTION

**SECTION 07 50 00**

**EPDM ROOFING**

**PART 1 - GENERAL**

1.1 SCOPE

- A. Work includes all work required to install new dryer vent through roof including duct boot and flashing for water tight condition.
- B. All work is to be per existing EPDM roof manufacturer's written recommendations and not void any existing warranties.

END OF SECTION

## **SECTION 07 84 00**

### **FIRE STOPPING**

#### **PART 1 - GENERAL**

##### 1.1 SCOPE

- A. The Contractor shall provide UL Listed fire stopping of penetrations through protected walls and floors not covered in mechanical, sprinkler, or electrical portions of the specifications. This is primarily around steel joists and at intersections of walls and deck.
- B. Seal all conduit penetrations; 2 hour rating.

#### **PART 2 - PRODUCTS**

##### 2.1 SYSTEMS

- A. It shall be the responsibility of the contractor to determine the rating required for each penetration and verify that the method of fire stopping used will meet the approval of the inspectors having jurisdiction.
- B. Firestop Putty System: The system shall be a non-hardening, conformable firestop system consisting of a water-insoluble putty and suitable damming materials where required. Putty shall contain no asbestos, no fiberglass, and no solvents. The putty shall be capable of being removed and reinstalled, and shall adhere to all common building materials and penetrations. Putty shall meet the requirements of ASTM E119 and system shall be tested to UL 1479 (ASTM E814) and classified for up to 2 hours.
- C. Firestop Sealant System: System shall be a water based firestop compound (along with the proper damming materials). Sealant shall not contain any solvents or inorganic fibers. Sealant shall be one part, requiring no critical mixing. The firestop system shall be tested to UL 1479 (ASTM E814) and classified for up to 3 hours.
- D. Firestop Mortar System: System shall be a lightweight cementitious mortar and suitable temporary damming material (where required). The mortar shall be fast drying and shall not shrink or crack during its cure. The firestop system shall be tested to the requirements of ASTM E119 and shall be tested UL1479 (ASTM E814) and classified for up to 3 hours.
- E. Manufactured Collars: System shall consist of a factory manufactured fire stop device and suitable smoke seal. The device shall contain a molded compound capable of expanding up to 10 times its original volume. This collar shall contain no asbestos, no fiberglass, no solvents nor corrosive mineral salts. It shall be sized to match the pipe and shall require no cutting, sizing or fabricating of components at the job site. The fire stop system shall be tested to the time/temperature requirements of ASTM E119 and shall be tested to UL 1479 (ASTM E814) and classified for up to 3 hours in both vented and unvented applications. Specified Technologies, Inc. - Specseal Firestop Collar or equal.

END OF SECTION

## **SECTION 07 90 00**

### **CAULKING AND SEALANTS**

#### **PART 1 - GENERAL**

##### 1.1 WORK INCLUDES

- A. Furnish and apply all caulking complete, in strict accordance with these specifications and the applicable drawings. Caulk at all intersections or junctions of metal and other materials as shown on drawings and as required.
- B. Caulk at intersections of metal, concrete, masonry, wood, or similar combinations. Caulk at all joints of fiberglass composite panels and stainless steel closures.
- C. Related Work:
  - 1. Firestopping – See Section 07 84 00
  - 2. Glazing sealant.

##### 1.2 SUBMITTALS

- A. Provide samples of colors of sealants to be selected.
- B. Manufacturer's Data - Provide three (3) copies of manufacturer's data sheet recommendations, specifications, and installation instructions.

##### 1.3 STORAGE AND DELIVERY

- A. Deliver materials in manufacturer's original unopened packaging with identification labels intact and eligible.
- B. Store materials in area protected from weather, moisture, open flame, and sparks.
- C. Environmental Requirements: Comply with sealant manufacturer's recommendations for maximum and minimum application temperatures and humidity.

#### **PART 2 - PRODUCTS**

##### 2.1 MATERIALS

- A. Caulking and sealant material for exterior use shall be 20-year minimum life expectancy products.
- B. Control Joints: Provide Ethafoam rod and Tremco Dymeric caulking, both installed as recommended by manufacturer and as per typical details shown on plans. Sonneborn NP II or similar Pecora Product will be approved. Architect will select color from samples provided by contractor. Installation shall be made by applicator regularly engaged in this work and knowledgeable in current caulking techniques and having approved equipment.

- C. One part urethane sealant shall comply with Federal Specification TT-S-00230C. Use for interior and exterior vertical surface joints where normal movement is anticipated, window and door perimeters, etc. Sonneborn-Contech-Sonolastic NPI; Sika Chemical Corp. - Sikaflex 1A. Colors as selected by Architect from manufacturer's standard colors.
- D. Two part self-leveling urethane sealant shall comply with Federal Specification TT-S-00227E, Type I, Class A. Use for horizontal surface joints, exterior/interior, such as concrete paving joints, concrete floor joints, etc. Sonolastic Paving Joint Sealant; Sonneborn-Contech, Urexpan NR100, Pecora Corp. Color as selected by Architect from manufacturer's standard colors.
- E. Acrylic Latex Sealant - Use for non-moving interior joints at HM doors, etc. Sonneborn-Contech-Sonolac; Tremco - Acrylic Latex Caulk; Pecora Corp. AC-20. Colors as selected by Architect from manufacturer's standard colors.
- F. Silicone Sanitary Sealant - Use at joints in ceramic tile, joints around plumbing fixtures, etc. General Electric Co. - Silicone Rubber Bathtub Caulk. Colors as selected by Architect from manufacturer's standard colors.
- G. Joint Cleaner - As recommended by sealant manufacturer.
- H. Joint Primer - As recommended by sealant manufacturer.
- I. Bond Breaker Tape - As recommended by sealant manufacturer.
- J. Sealant Backer Rod - Ethafoam circular sized to tight fit into opening.
  - 1. Sealant is to be "Sikaflex" polyurethane in color to match aluminum panels.
  - 2. Back up material shall be non-asphaltic expanded closed cell polyethylene, Ethafoam (round) Rod Stock by Dow Chemical Co., or approved equal. Back up material shall not bond to sealant. Diameter of rod stock shall be at least 1/8" larger than the joint opening.

### **PART 3 - EXECUTION**

#### **3.1 GENERAL**

- A. Furnish and apply all caulking, complete, in strict accordance with these specifications and the applicable drawings. Caulk at all intersections or junctions, masonry and concrete at junctions of metal, and concrete or masonry at hollow metal and aluminum windows and doors, at tops of all precast and poured concrete walls, tops of block partitions, and as shown on drawings. Caulk at intersections of plaster, metal, concrete, masonry, wood, or similar combinations. Caulk under copings at expansion joints and where required for watertight construction.
- B. Caulk at all joints around doors, windows, louvers, or other openings through exterior walls where shown on drawings. Expansion joints, top joints of all sills, coping stone and projecting cut stone ledges, both sides of jambs and heads on exterior and interior panels, and interior joint at spandrel beams shall be caulked with caulking compound. Where joints are more than 3/4" in depth, joints shall be backed up to 3/4" of surface before caulking.

- C. Caulking compound shall be applied around metal walls and roof panels, HM doors, and similar locations. Where voids occur, joints shall be filled with back-up material specified for use with flexible sealant. For joints up to 1/2" in width, depth of joint shall be equal to width; for joints over 1/2" in width, depth shall be 1/2 of width.

### 3.2 INSPECTION

- A. Examine joints to be sealed for construction defects that would adversely affect execution of work.
- B. Ensure that masonry and concrete have cured a minimum of 28 days.
- C. Do not proceed with installation until unsatisfactory conditions are corrected.

### 3.3 PREPARATION

- A. Clean joint surfaces with joint cleaner, free of dust, dirt, oil, grease, lacquers, laitance, release agents, moisture, or other matter which might adversely affect adhesion of sealant.
- B. Apply primer to surfaces recommended by sealant manufacturer to be primed, following manufacturer's instructions.

### 3.4 INSTALLATION

- A. Install bond breaker tape where required by sealant manufacturer's instructions.
- B. Install sealant backer rod where shown or required by sealant manufacturer's instructions.
- C. Install sealants in accordance with manufacturer's instructions. Install sealants in uniform, continuous beads without gaps or air pockets. Tool joints to required configuration within 10 minutes of sealant installation.

### 3.5 WORKMANSHIP

- A. Sides and tops of windows and inside joint areas of exterior frames or any other openings in exterior wall shall be caulked with oakum where voids exist and tubular backup can not be used.
- B. After all back up caulking has been placed, caulk all joints with caulking compound. All surfaces to be caulked shall be clean and thoroughly dry. Caulking shall be forced into rabbets under mechanical pressure, filling all voids complete to render water and airtight and shall be struck smooth and left ready for painting. Where joints occur in stone or other materials not to be painted, compound shall match adjoining surface.
- C. Temperature shall be not less than 40°F, surface dry and clean when flexible sealant is applied. Remove lacquer from caulking rabbets in aluminum. Metal, glass, and other dense surfaces shall be solvent cleaned. Apply solvent with brush and wipe dry with lint-free paper towel. All stone, concrete, wood, and other porous surfaces shall be primed. Primer shall be dry before installation of back up material and applying sealant. Flexible sealant shall be applied from a gun or cartridge in a neat bead, well bonded to both sides and extending full depth of caulking rabbet. Joints shall be masked and struck as required for neatness and smears solvent-cleaned immediately.

### 3.6 ADJUSTMENT AND CLEANING

- A. Remove excess materials adjacent to joints by mechanical means or with solvents as recommended by sealant manufacturer as work progresses to eliminate evidence of spillage or damage to adjacent surfaces.

END OF SECTION

## **SECTION 09 21 00**

### **GYPSUM DRYWALL WORK AND VAPOR BARRIER**

#### **PART 1 - GENERAL**

##### 1.1 SECTION INCLUDES

- A. Furnish all materials, labor, and related items required to complete work shown and/or specified. Work primarily consists of miscellaneous patching required to restore walls from removed cabinets and walls damaged from mechanical duct or piping installations..
- B. Examine framing and blocking and report to the Architect any defects that should be corrected before installing dry interior finish. Do not install dry interior finish until work of other divisions is in compliance with Appendix A of ASA No. A97.1.

#### **PART 2 - PRODUCTS**

##### 2.1 MANUFACTURERS

- A. Gypsum wallboard shall be as manufactured by the National Gypsum Co., United States Gypsum Co., Georgia Pacific, in the following types and sizes as required.

##### 2.2 MATERIALS

- A. All drywall except shall be UL listed gypsum wallboard (5/8 Type X), 5/8" thick, labeled type, tapered edge, 4' wide in lengths as long as practical to minimize the number of joints, or same 5/8 X water resistant type.
- B. Fasteners, joint and corner reinforcing joint compound, and surface sealer for gypsum board shall be as standard with and as recommended by the manufacturer of the gypsum wallboard.
- C. Polyethylene film shall be 6 mil thickness and installed in pieces full wall sizes. Where joints are required, poly film shall be overlapped 1'-0" minimum. Joints shall be taped and sealed and no penetrations will be allowed.
- D. Furnish and install all required metal corner beads, metal end casings, and all other trim pieces as required or as called for on the drawings. Resilient clips or resilient channel on ceilings and necessary suspension and backing not shown by others. Feather out from all casing beads with taping compound.
- E. Cement Board: ½" or 5/8" thick cement board as shown on drawings suitable for installation of ceramic tile. USG Wonder Board or equal.

#### **PART 3 - EXECUTION**

##### 3.1 GENERAL

- A. Workmanship shall comply with applicable parts of American Standard Specifications for Gypsum Wallboard Finishes, ASA No. A97.1.

- B. In cold weather the building shall be heated during the application of the gypsum wallboard to maintain a uniform temperature in the range of 70°F and ventilation shall be provided to eliminate excessive moisture.
- C. All materials as specified above shall be delivered to the job in original unopened containers or bundles, stored in a place protected from exposure to elements and from damage by tampering, and used in strict accordance with manufacturer's directions.

### 3.2 INSTALLATION

- A. Installation of gypsum wallboard shall be in strict accordance with the manufacturer's printed recommendations and specifications.
- B. All ends and edges of gypsum wallboard shall occur over nailing members except when joints are at right angles to framing members as in horizontal application at all walls.
- C. Fastenings shall be by the double screwing method in groups approximately 9" o.c. in compliance with the manufacturer's printed recommendations and specifications. Install ceiling first with closest screwing 12" from wall. On wall sheets, fit with 1/2" gap at floor and 1/8" gap at ceiling board. Screw to approximately 9" from ceiling. Float corners.
- D. Joint reinforcing, corner reinforcing, joint compound, and topping compound shall be installed in accordance with manufacturer's printed specifications.
- E. Install poly film by stapling to studs on all exterior insulated walls and ceilings. Lap and seal all seams; seal to all electrical boxes. Set top and bottom edges in continuous bead of acoustical sealant for airtight joint.
- F. At water resistant drywall furnish joint treatment sealant as recommended by manufacturer at all cut edges, utility holes and joints, including those at all angle intersections and treat all fastener heads with sealant after installation.
- G. Tape and fill all joints, nail and screw holes as recommended by manufacturer at all cut edges, utility holes and joints, including those at all angle intersections. Treat all fastener heads with sealant after installation.
- H. Furnish blocking, anchoring devices, corner beads, casing beads, and other necessary accessories of size and spacing as recommended by manufacturer whether specified or not, but required for proper construction of systems.
- I. Install expansion joints where called for on drawings and as required using Metal Trim 200-A.
- J. Provide casing bead or approved surface bead where sheetrock abuts masonry or precast concrete. Miter corners of abutting metal return beads. Flat type and score joints between walls and ceiling.

END OF SECTION

## SECTION 09 90 00

### PAINTING

#### **PART 1 - GENERAL**

##### 1.1 SCOPE

- A. These specifications cover the touch up painting and finishing of all wall and floor surfaces throughout the project, unless otherwise specified. Coats listed are a minimum and additional coats may be necessary to provide coverage/hideability.
- B. The painting contractor shall furnish all material, labor, and equipment required to complete all painting and finishing as shown on the drawings and specified in the project manual. The word "paint" includes stain, lacquer, varnish, etc. applied by brush or staining.
- C. The Contractor shall examine all sections of this specification as well as mechanical and electrical specifications, and shall thoroughly familiarize himself with all provisions regarding painting. He shall understand that all surfaces that are left unfinished by the requirements of other divisions shall be painted or finished as a part of this division.
- D. Copper, bronze, chromium plate, nickel, stainless steel, aluminum, Monel metal, lead and lead-coated copper shall not be painted or finished, except as otherwise specified.
- E. The Contractor shall examine all surfaces to be finished and make certain that they can be put in proper condition for finishing by customary cleaning, sanding, and puttying operations. The painting subcontractor assumes full responsibility for producing a satisfactory finish with the materials specified.
- F. A "coat" of finish shall be defined as one layer of finish applied with a minimum of four hours dry time (unless longer drying times are required by manufacturer or conditions) between succeeding coats.
- G. All colors shall match existing.

##### 1.2 QUALITY ASSURANCE

###### A. Qualifications

- 1. Manufacturer: All materials used on the work shall be as specified in brand and quality. No claim by the painting contractor to the unsuitability of any material specified, or his/her unwillingness to use same, or his/her inability to produce first class work with the same, will be entertained unless such claims are made in writing and submitted prior to receipt of bids.

All paints, varnishes, enamels, lacquers, stains, paste fillers, and similar materials must be delivered in the original containers with the seals unbroken and labels intact.

- 2. Contractor: Employ skilled mechanics to ensure the very best workmanship. Quality workmanship is required. Materials to be applied by craftsmen experienced in the use of the specific product involved.

##### 1.3 REGULATORY REUQUIREMENTS

- A. Conform to applicable code for flame and smoke rating requirements for finishes.

#### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. All materials used on the job shall be stored in a single place designated by the Owner or the Architects. Such storage place should be kept neat and clean and all damage thereto or to its surroundings shall be made good by the painting contractor. All soiled or used rags, waste, and trash shall be removed from the building each night and every precaution taken to avoid the danger of fire. Latex painted must be stored at above freezing temperature (32° F). The area selected for paint storage and mixing must have good natural or mechanical ventilation. It shall be posted as a "No Smoking" area and this regulation strictly enforced.

There shall be no open containers of any flammable liquids, including paint left in the storage or mixing area. Paints, turpentine, spirits, thinners, and all other flammable liquids shall be kept in closed metal containers. The container size shall be one gallon or smaller if the material is more flammable than kerosene. Brushes and rollers left in solvent or brush cleaner must be kept in closed containers. If the quantity of materials more flammable than kerosene exceeds five gallons, it must be stored in a closed metal or flame retardant plywood lockers.

Waste rags, paper and similar combustible materials shall be placed in metal containers provided with self-closing covers. These containers shall be emptied regularly and the contents removed from the premises.

- B. The painting contractor shall protect surfaces and objects outside the building against damage. The painting contractor shall hold himself/herself responsible of r damage to adjacent property.
- C. At completion of work the painting contractor shall remove from the premises all surplus painting materials and debris; remove all spatters, and leave this part of the work in a clean and finished condition.

#### 1.5 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. When surface temperature is below 50° F do not apply paints, varnishes or special coatings unless otherwise specified. Do not paint exterior during frosty or rainy weather. Avoid painting surfaces while they are exposed to hot sun.

#### 1.6 JOB CONDITIONS

- A. Cleaning: Areas to be painted shall be cleaned and free of dust and shall remain in that condition throughout the painting process.
- B. Protection: The painter shall not only protect his/her work at all times but shall also protect all adjacent work and materials by suitable covering or other method during progress of work.

### **PART 2 - PRODUCTS**

#### 2.1 MANUFACTURERS

- A. All paint to be best quality and grade of products manufactured by Sherwin Williams, Pratt & Lambert, Benjamin Moore or approved equal.

## 2.2 MATERIALS

- A. All materials on the work shall be of the brand and quality specified and shall be delivered to site in original containers with seals unbroken and labels intact.
- B. All materials shall be used in strict accordance with manufacturer's label directions. All paint products shall be of the specific type recommended by the paint manufacturer of the particular substrate and conditions of exposure.
- C. All paint shall be ready mixed and delivered to the site in manufacturer's sealed containers. Each container shall be labeled by the manufacturer; labels shall give manufacturer's name, type of paint, and instructions for reducing. Thinning shall be done only in accordance with directions from manufacturer. Job mixing or job tinting may be done when approved by the Architect. Each coat shall be tinted so that respective coats can be identified.
- D. All materials such as linseed oil, shellac, and turpentine shall be pure and of highest quality and approved by the Architect. They shall bear identifying labels on the containers.
- E. Any necessary materials not specifically covered and specified in this contract shall be subject to the Architect's approval and the Contractor shall submit to the Architect, before any materials are delivered, the name and brand of materials proposed to be use. Approval will be provided by the Architect in writing.

## PART 3 – EXECUTION

### 3.1 EXAMINATION

- A. Verify site conditions.
- B. Verify that surfaces are ready to receive work as instructed by product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- D. Test shop applied primer for compatibility with subsequent cover materials.
- E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
  - 1. Wood: 15%, measured in accordance with ASTM D2016
  - 2. Masonry: Mortar, block, brick, concrete or any other masonry related surface shall not be painted if its moisture content exceeds 12%. If moisture content is between 8% and 12%, prime with an Alkali Resistant Primer in place of specified primer.

### 3.2 SURFACE PREPARATION

- A. All surfaces shall be sound, clean, and free of oil, grease, loose or peeling paint, and other foreign substrates.
- B. New Exterior Wood: Prime and paint as soon as possible. New exterior wood shall not be primed until its moisture content is less than 15%. Countersink nailheads. Caulk nailheads and joints or cracks with latex-type caulk. Seal all knots and spa streaks. Sand rough areas and wipe clean. Primer entire surface with exterior wood primer.
- C. New Concrete Walls or Floors: Poured concrete shall cure at least 30 days. Removal of laitance shall be accomplished by use of acid etching. Follow manufacturer's application and safety directions. Rinse clean. In many cases, concrete is contaminated with form release oils or bond breakers from the forms used. All of these materials shall be completely removed by sandblasting before coating. Cracks, voids, and large voids shall be filled by repointing, caulking, or other approved methods. Open textured block shall be filled with appropriate block filler before top coating.
- D. New Steel: Surfaces that exhibit mill scale, rust formation, etc. shall be cleaned by hand scraping, wire brushing, power tool scraping, or sandblasting.
- E. New Galvanized Iron: Acid etch or clean thoroughly with a grease cutting solvent such as mineral spirits. Prime with a galvanized metal primer.
- F. This contractor will remove and reinstall, or provide acceptable in-place protection for, all installed hardware, accessories, lighting and electric components, factory finish materials, plumbing fixtures and fittings, and any other materials that may become splattered or damaged by the paint or coating materials.
- G. New Interior Wood: Sand lightly. Countersink nailheads and putty. Prime or stain entire surface with an enamel undercoat or stain. After thoroughly drying, sand lightly before applying finish coat.
- H. New Plaster: allow to cure 30 days before painting. Cracks and holes shall be spackled and finished flush to the adjoining surface. Prime with the appropriate primer sealer.
- I. New Drywall: Must be free of sanding dust and joint treatment cement shall be thoroughly dry. Steel corner beadings shall be primed with appropriate metal primer before applying latex coating.

### 3.3 APPLICATION

- A. All work shall be done by skilled mechanics in accordance with the best standard practice and in a manner acceptable to the Architect. Any work not conforming to these specifications shall be corrected to the satisfaction of the Architect. Such corrections shall be made at the expense of the painting contractor.
- B. All materials shall be applied to surfaces that are dry and properly prepared and when weather conditions are favorable. Exterior surfaces shall not be painted in damp, frosty, or cold weather. Latex paints shall not be applied when surface or air temperature is below 50 degrees F.
- C. All finishes shall be evenly applied and free from sags, runs, crawls, brush marks, skips or other defects. Make edges of paint, stain, or coating adjoining other materials or colors, sharp and clean, with no overlapping.

- D. When paint, stain or coating is brush applied, each coat shall be brushed out uniformly to eliminate laps, skips and excess brush marks.
- E. When paint, stain or coating is roller applied, proper skill must be used to avoid all signs of lapping and excess paint lines from edge of roller. When cutting in with a brush is required, these areas must be of the same texture, color and hiding as adjacent areas, to assure good appearance.
- F. When paint, stain or coating is applied by spray, the work shall be done before the installation of fixtures, hardware, flooring and other finish items. If installed, these items must be thoroughly protected from the paint, stain or coating. The paint, stain or coating shall be applied only by skilled painters to assure a uniform finish, with no evidence of poor or improper application.
- G. Each coat of clear finish or enamel shall be lightly sanded and wiped free of dust before applying the first and successive coats. Final coat to be smooth to the touch.
- H. Products shall be applied at the proper consistency and shall be thinned, tinted, or otherwise altered only in accordance with the manufacturer's printed directions.
- I. If the finish coat is to be colored, the prime coat and the intermediate coat shall be tinted to have a slight variation in color from each other and from the finish coat.
- J. All materials shall be applied to surfaces that are dry and properly prepared.
- K. Each coat of material shall be thoroughly dry before application of the succeeding coat. The number of coats listed in the schedule is a minimum. Additional coats may need to be applied for proper coverage and hideability.
- L. Block filler when applied to concrete or lightweight block shall be in two coats;  
Retain only slight surface texture with no pinholes, or  
Retain no block surface texture, only pattern from brush or roller, no pinholes, or  
Smooth the filler with a squeegee to leave the surface film with no pinholes.
- M. Tops of all upper sashes and bottoms of all lower sashes shall be finished same as exterior finish. Tops, bottoms, and edges of doors shall be finished the same as balance of doors after they are fitted by the carpenter.
- N. All necessary puttying of nail holes, cracks, and other defects shall be done after application of the first coat, using putty of a color to match that of the finish. Putty shall be brought flush with the adjoining surface.
- O. To prevent bleeding or discoloration, all knots, pitch streaks and sappy spots shall be sealed before application of the prime coat.
- P. All metal surfaces shall be washed with mineral spirits to remove any dirt, oil, or grease before being painted. Remove rust and scale by wire-brush or sanding before painting. Shop coats of paint that become badly weathered, worn, or marred shall be cleaned and spot primed by the painting contractor with the recommended metal primer.
- Q. Back prime exterior trim before installation with primer specified.
- R. Do not paint plaster containing more than 15% moisture. After the application of the first coat, all suction spots or hot spots in plaster or cement shall be touched up before the second coat is applied.

- S. All scratches, cracks, and abrasions in plaster surfaces, and openings adjoining trim, shall be cut out as required, then filled with a spackling compound or approved patching plaster, flush with adjoining plaster surface, and when dry shall be sanded smooth and sealed before application of the prime coat.
- T. All closet and ancillary rooms shall be finished the same as adjoining rooms, unless otherwise specified. All other surfaces shall be finished with the same materials as used on the nearest or adjoining surfaces, unless otherwise specified.
- U. Clean floors and adjacent surfaces, as well as all surfaces to be painted, before painting.
- V. All work, where a coat of material has been applied, must be inspected and approved by the Architect before the application of the succeeding specified coat. The painting contractor shall furnish the Architect a report of each coat applied, when complete, for inspection and approval to comply with the above.
- W. The painting contractor shall notify the Architect in writing of any surface which he/she considers not his/her responsibility, of any defects in surfaces to be painted, or of any error or omissions in the drawings or in the specification. The painting contractor shall not proceed with the finishing of the surfaces in question until an agreement has been reached with the Architect concerning all alleged discrepancies. The start of work on any surface shall imply that the surface has been inspected and approved by the painting contractor.
- X. Spot painting to correct soiled or damaged paint surfaces will be allowed only when touch up spot is blended into surrounding finish and is invisible to normal viewing. Otherwise, re-coat entire section to corners or visible stopping point. Touch up should be accomplished by same method used in applying the original coating: when sprayed, touch up with spray; if brushed, use a brush; if rolled, use same texture roller.

#### 3.4 SCHEDULE/FINISHES

- A. Painter's finishes shall generally be as follows:
  1. Finish for exterior wood (except wood to be stained) shall be a first quality oil or acrylic house paint applied over compatible primer.
  2. Finish for exterior ferrous metals shall be rust inhibitive type paint applied over compatible shop prime coat.
  3. In general, finish for interior wall and ceiling surfaces shall be latex paint or enamel with semi-gloss or eggshell finish over primers or epoxy finishes or shop coats compatible with the substrate material.
  4. Finish for hollow metal frames, sidelights, and all interior metal and steel shall be alkyd base semi-gloss or eggshell enamel. Hollow metal doors to be semi-gloss finish only.
  5. Finish for interior wood doors (except prefinished doors) cabinet work, wood paneling, and trim shall be alkyd base semi-gloss or eggshell enamel. Interior millwork may be stained and varnished or oiled in lieu of enameling as herein specified or called for on drawings when prior authorization is received from Architect.
  6. Prime coated butts and overhead door closers will be painted the same color as door and frame to which they are attached.

7. Metal covered and hollow metal doors, trim, and frames will not be painted the same color or finish as adjacent walls.
8. Access doors, electric panel doors, fire extinguisher cabinets, etc. shall be painted in an open position.
9. Prime and back prime all surfaces of millwork indicated to be painted and enameled. Also back prime all unexposed faces of millwork indicated, scheduled or specified to be stained, varnished, lacquered or otherwise finished on exposed faces. Parts inaccessible after assembly shall be primed or back primed before assembly. Shellac all knots, streaks, etc. before priming.

B. SCHEDULE

Exterior – N/A

Interior

1. Drywall: 1 Coat PVA Latex Wall Primer, 2 coats Acrylic Latex, sheen as selected
2. Galvanized Metal: 1 coat Interior Trim Primer, 2 coats Enamel
3. Ferrous Metal: 1 coat Interior Trim Primer, 2 coats Enamel
4. Plaster: 1 Coat PVA Latex Wall Primer, 2 coats Acrylic Latex, sheen as selected.
5. Exposed Wood: 1 coat stain, 2 coats polyurethane satin finish.
6. Existing Wood Trim and Windows: Sand and prep surface as required to receive new finish.

Paint: 1 coat adhesion promoting primer, 2 coats latex trim paint.

Stain: 1 or 2 coats gel stain, 2 coats UV resistant polyurethane satin finish.

END OF SECTION

**SECTION 11 40 00**

**STAINLESS STEEL SINK**

**PART 1 - GENERAL**

1.1 WORK INCLUDES

- A. Furnish and install a single bowl stainless steel sink unit with legs and integral drain board.
- B. Submittals: Submit electronic shop drawings including product data, dimensions, and quantities to architect for approval. Indicate left/right drain board locations per firehall site.

**PART 2 - PRODUCTS**

2.1 SINKS

- A. Sinks to be as follows:
  - 18 ga., Type 304 stainless steel
  - 24 inch drain board (left or right). Determine orientation based on existing piping conditions at each site.
  - NSF listed.
  - 18" x 24" x 14" deep bowl with  $\frac{3}{4}$ " coved corners.
  - 45" overall length (left to right) – verify on site.
  - 30" front to back.
  - 43 $\frac{1}{2}$ " height.
- B. Coordinate faucet location with existing plumbing.

END OF SECTION

**City of Duluth Fire Halls  
Laundry Upgrades- Various Sites  
Duluth, Minnesota**

**Mechanical and Electrical Design Build  
Outline Specification and  
Performance Specification**

**Prepared by:**

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Gausman & Moore Project No.:83827

April 17, 2015

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## **DIVISIONS 22 AND 23**

### **220500 – COMMON WORK RESULTS FOR MECHANICAL**

#### **A. Purpose**

1. The purpose of this Design Build Outline Specification is to define the scope of work; to serve as a vehicle for Owner/Contractor review; and to allow architectural/engineering coordination of specific mechanical devices and equipment, and required systems distribution and space allocation.

#### **B. Scope of Work**

1. Provide all labor, materials, equipment and services necessary for the installation and completion of the Mechanical Work.
2. This contractor is solely responsible for the associated requirements with the conditions outlined within all divisions.
3. Submittals, provide as follows:
  - a. Provide submittal package for Owner review, approval, and coordination purposes for mechanical equipment. Coordinate with owner for specific submittal requiring approval prior to order release.
  - b. Provide at substantial completion, O&M Manuals including one complete set of approved mechanical equipment shop drawings, O&M Manuals shall be 3-hole punched in binder with label on outside of binder spine, and index for each major component with appropriate tab.
4. Do the work in a workmanlike manner by persons experienced and skilled in the trade.

#### **C. General conditions**

1. The general conditions, special conditions, supplementary conditions, building owner mechanical specifications, and “general conditions of the contract,” current edition, established in Standard Form by the American Institute of Architects shall apply to all work on this project except as modified below. This contractor shall be familiar with these provisions and adhere to these requirements. This contractor shall coordinate mechanical work with other trades, building owner, and tenant prior to installation.

#### **D. Related documents**

1. This contractor shall refer to the plans and specifications. Such plans and specifications are a part of the contract documents. Contractors shall visit the site and familiarize themselves with all conditions surrounding the work.

E. Plans and specifications

1. Throughout the course of the work, the building owner may request minor changes and adjustments to the plans and specifications. The contractor shall make such adjustments without additional cost to the tenant, where such adjustments are necessary for the proper installation and operation of the systems, and within the intent of the contract documents.
2. It is the intent of the design build plans and specifications to form a guide for a complete installation. Everything necessary for the completion and successful operation of the work, whether or not definitely specified or indicated on the drawings shall be provided as if so specified or indicated without additional cost to the Owner. The mechanical contractor shall verify all dimensions prior to installation.
3. Notwithstanding any other provisions of the contract documents, the contractor bears ultimate responsibility for compliance of the installation with the requirements of the building owner and of the local authority having jurisdiction.

F. Modifications

1. If any errors, discrepancies or omissions appear in the drawings, specifications or other contract documents, the contractor shall notify the architect in writing of such error or omission. In the event of the contractor failing to give such notice before construction and/or fabrication of the work, he will be held responsible for the results of any such errors, discrepancies or omissions and the associated cost of rectifying.

G. Code compliance

1. This contractor shall comply with the requirements of all state and local codes regulating this work. However, this shall not be construed as relieving the contractor from complying with any requirements of the drawings and specifications that may be in excess of any governing codes.

H. Permits, fees, licenses

1. This contractor shall pay all fees and related charges for permits, licenses, etc., required for installation of the mechanical system, including required submissions for plan review and approval.

I. Warranty

1. All construction work shall be performed in a first-class workmanlike manner and shall be in good and usable condition at the date of completion. This contractor shall require any persons performing any such work to guarantee the same to be free from any and all defects in workmanship and materials for one (1) year from the date of completion thereof. This contractor shall also require any such persons to be responsible for the replacement or repair without any additional cost to any and all work done or furnished by or through such persons which shall become defective within one (1) year after substantial completion of work. The correction of such work shall include without additional cost all expenses and damages in connection with such removal, replacement or repair of any part of the work which may be damaged or disturbed thereby. All warranties or guarantees as to materials or workmanship with respect to building owner's work shall be written so that such warranties or guarantees shall be to ensure the benefit of both landlord and tenant as their respective interests appear and can be directly enforced by either.

J. Field quality control

1. Upon completion of installation of mechanical equipment, start-up and operate equipment to demonstrate capability and compliance with requirements.
2. Remove malfunctioning units, replace with new units and retest.

220510 – BASIC MATERIALS AND METHODS

A. Mechanical related work

1. Materials and equipment designed to be new shall be free of defects.
2. Design and install piping and ductwork to present a neat orderly appearance. Route parallel with building walls and construction.
3. Roof openings shall be performed by the building owner's designated roofing company at this contractor's expense. Field verify existing conditions and provide flashing and water proofing to meet original roof systems and warranty.
4. Provide all cutting and patching necessary for installation of new systems and equipment.

B. Equipment order

1. The contractor shall order all equipment required within ten days upon receipt of contract in order to ensure timely receipt of material. Substitutions after this date due to lack of placement of order will not be approved.

C. Hangers, supports, and sleeves

1. Support piping and dryer exhaust ductwork adequately from slabs or other structural members at intervals in compliance with industry standards.

2. All horizontal piping penetrating walls shall be fitted with sleeves made of standard steel pipe 1 inch larger than the pipe and insulation diameter. Sleeves shall be cut flush with the wall on both sides. Seal the sleeve voids with nonshrinking sealant. All penetrations through fire rated walls shall be sealed in compliance with UL.
  3. Provide escutcheon plates on all exposed pipe penetrations through walls.
- D. Cleaning and testing
1. Clean, disinfect, and test all new plumbing and piping systems as required by the governing codes.

## 220700 – INSULATION

### A. Mechanical insulation

1. Insulation shall be Owens-Corning, Manville Corporation, Certain-Teed, Knauf or equal. All insulating materials shall have fire and smoke hazard ratings as tested by procedure ASTM E-84, NFPA 255 and UL 723 not exceeding flame spread 25 and smoke developed 50. Insulation accessories such as adhesives, mastics, cement, tapes and glass cloth shall have the same component rating as listed above.
2. Insulate domestic cold and hot water supply piping with a minimum 1/2 inch thick closed cell flexible rubber pipe insulation.

## 221100 – PLUMBING

### A. Domestic Water Piping and Related Fixtures

1. **QUALITY ASSURANCE**
  - a. Piping materials shall bear label, stamp, or other markings of specified testing agency.
  - b. Plumbing Code Compliance: Comply with applicable portions of State Plumbing Code pertaining to plumbing materials, construction and installation of products.
  - c. Comply with NSF 61, "Drinking Water System Components - Health Effects; Sections 1 through 9," for potable domestic water piping and components, including but not limited to valve materials.
  - d. MSS Standard Practices: Comply with the following standards for valves: MSS SP-110: Ball valves threaded, socket welding, solder joint, grooved and flared ends.

2. Remove and install new and/or relocated plumbing fixtures as indicated on plan and specified herein. Provide new stop valves and braided flexible metal hot and cold water lines. No substitutions will be permitted without authorization from the architect.
3. Provide Soft Copper Tube: ASTM B 88, Type (ASTM B 88M, Types A and B), water tube, annealed temper for new and extension to sinks and washer machines.
  - a. Copper Pressure Fittings: ASME B16.18, cast-copper-alloy or ASME B16.22, wrought-copper, solder-joint fittings. Furnish wrought-copper fittings if indicated.
  - b. Bronze Flanges: ASME B16.24, Class 150, with solder-joint ends. Furnish Class 300 flanges if required to match piping.
  - c. Copper Unions: MSS SP-123, cast-copper-alloy, hexagonal-stock body, with ball-and-socket, metal-to-metal seating surfaces, and solder-joint or threaded ends.
4. Provide Two Piece, Copper Alloy Ball Valves: Bronze body with full port, chrome plated bronze ball; TFE seats; and 600 psig minimum CWP rating and blowout proof stem; Manufactured by Nibco or equivalent, MSS-SP-110; size same as upstream pipe and pressure/ temp rating.
  - a. Select valves, except wafer and flangeless types, with the following end connections.
  - b. Install valves with unions or flanges at each piece of equipment arranged to allow service, maintenance, and equipment removal without system shutdown; Locate valves for easy access and provide separate support where necessary; Install valves in horizontal piping with stem at or above center of pipe; Install valves in position to allow full stem movement.
5. Examine piping system for compliance with requirements for installation tolerances and other conditions affecting performance.
  - a. Proceed with installation only after unsatisfactory conditions have been corrected.
  - b. Examine valve interior for cleanliness, freedom from foreign matter, and corrosion. Remove special packing materials, such as blocks, used to prevent disc movement during shipping and handling.
  - c. Operate valves in positions from fully open to fully closed. Examine guides and seats made accessible by such operations.
  - d. Examine threads on valve and mating pipe for form and cleanliness.
  - e. Examine mating flange faces for conditions that might cause leakage. Check bolting for proper size, length, and material. Verify that gasket is of proper size, that its material composition is suitable for service, and that it is free from defects and damage.
  - f. Do not attempt to repair defective valves; replace with new valves.
  - g. Transition and special fittings with pressure ratings at least equal to piping rating.
  - h. Flanges may be used on aboveground piping, unless otherwise indicated.
  - i. Grooved joints may be used on aboveground grooved end piping.
  - j. Ball Valves, NPS 2-1/2 and Smaller: Two or three piece, 600 psig CWP rating, copper alloy. If valves with specified CWP ratings are not available, the same types of valves with higher CWP ratings may be substituted.
  - k. Soldered Joints: Use ASTM B 813, water flushable, lead free flux; ASTM B 32, lead free alloy solder; and ASTM B 828 procedure, unless otherwise indicated.

- B. Sanitary Waste and Vent Piping.
1. Plumbing Code Compliance: Comply with applicable portion of Minnesota State Plumbing Code pertaining to plumbing materials, construction and installation of products; ANSI Compliance: Comply with applicable American National Standards pertaining to products and installation of soil and waste piping systems; PDI Compliance: Comply with applicable Plumbing and Drainage Institute Standards pertaining to products and installation of soil and waste piping system.
  2. Disconnect, extend and reconnect existing waste, and vent piping to facilitate fixture replacement. Provide new waste and vent piping associated with new fixture locations as indicated on plan.
  3. Provide PVC pipe and fittings to facilitate new and extension of existing drain, waste, and vent piping.
    - a. Aboveground, soil, waste and vent piping shall be the following:
      - Solid wall PVC pipe, PVC socket fittings, and solvent cemented joints. PVC piping not to be installed within return air plenums.
      - Solid wall PVC pipe, PVC socket fittings, and solvent cemented joints. PVC piping not to be installed within return air plenums.
    - b. Solid Wall PVC Pipe: ASTM D 2665, drain, waste, and vent.
    - c. PVC Socket Fittings: ASTM D 2665, socket type, made to ASTM D 3311, drain, waste, and vent patterns.

END OF MECHANICAL DESIGN BUILD  
OUTLINE SPECIFICATION

## **DIVISIONS 26, 27, AND 28**

### **260500 – COMMON WORK RESULTS FOR ELECTRICAL**

#### **A. Purpose**

1. The purpose of this Design Build Outline Specification is to define the scope of work; to serve as a vehicle for Owner/Contractor review; and to allow architectural/engineering coordination of specific electrical devices and equipment, and required systems distribution and space allocation.

#### **B. Scope of Work**

1. Provide all labor, materials, equipment and services necessary for the installation and completion of the Electrical Work. Refer to Mechanical and Electrical site specific scope work attachment.
2. This contractor is solely responsible for the associated requirements with the conditions outlined within all divisions.
3. Submittals, provide as follows:
  - a. Not applicable
4. Do the work in a workmanlike manner by persons experienced and skilled in the trade.

#### **C. Current Characteristics**

1. Electrical service will be obtained from existing services. It is the contractor's responsibility to verify and adjust accordingly.

#### **D. Codes, Permits and Fees**

1. All work shall be done in accordance with the 2014 National Electrical Code, the Minnesota State Building Code, and local codes.
2. The Contractor shall pay for required permits and fees.

### **260519 – LOW VOLTAGE POWER CONDUCTORS AND CABLES**

- A. Conductors for branch circuits shall be copper. Insulation for #8 and smaller shall be type THHN and type THW for larger. Minimum size wire for branch circuits #12.
- B. Outlet boxes shall be of size and type suitable for their use according to code. They shall be of steel.

### **260526 – GROUNDING AND BONDING**

- A. This Section includes grounding of electrical systems and equipment. Grounding requirements specified in this Section may be supplemented by special requirements of systems described in other Sections.

- B. Install insulated equipment grounding conductor with circuit conductors for the following items, in addition to those required by NEC:
  - 1. Receptacle circuits.

#### 260533 – RACEWAYS

- A. Wiring shall be in conduit or metal surface raceway as required by NEC. Provide all components required to provide a complete and operational system. Refer to attached Electrical Performance Specification. The use of “MC’ cable is prohibited.

#### 262416 – PANELBOARDS

- A. Utilize existing panelboard(s) and spare circuit breakers to extent available. Provide new circuit breaker type and rating to match existing.
- B. Circuit breakers shall be thermal-magnetic, quick-make, quick-break. Match AIC Ratings with existing distribution gear. Multi pole breakers shall have a common trip.

#### 262726 – WIRING DEVICES

- A. Devices shall be specification grade. All exterior receptacles and receptacles located near sinks shall be GFCI type. All devices shall be ivory with matching nylon coverplates.

END OF ELECTRICAL DESIGN BUILD  
OUTLINE SPECIFICATION

## MECHANICAL AND ELECTRICAL SITE SPECIFIC SCOPE OF WORK

### Site Locations:

#### Fire Hall #1- 602 W. 2<sup>nd</sup> Street

##### Mechanical Numbered Notes

**M1** Disconnect existing clothes washer to facilitate new equipment installation. Reconnect existing washer and install new provided by owner. Provide new dedicated ¾" hot and cold water connections from existing source (minimum ¾"). Provide new dual standpipe and connect to modified waste piping associated with sink.

**M2** Provide new 4" dia. rigid dryer exhaust ductwork to ceiling above and route through adjacent OS wall. Coordinate installation with unit heater and shelving modifications.

**M3** Provide new back draft damper and dryer exhaust vent. Weather seal wall penetration. Coordinate vent finish color with owner

**M4** Remove existing sink with associated water supply and waste piping. Provide complete connections for new sink furnished by general contractor including but not limited to wall mounted lever operated H/C water facets (centered on bowl), dedicated hose bib connections for two washers, drain body, ptrap, and waste piping. Provide ball valves for isolation between supply, sink, and washer hose bib connections. Cut and patch existing wall as required to reroute water supply lines to permit flush sink installation.

##### Electrical Numbered Notes

**E1** Existing flush mounted panelboard. Provide one new 15a/1p circuit breaker (washer) and one new 30a/2p circuit breaker (dryer), type and rating to match existing.

**E2** Provide new surface mounted 30a/4w receptacle matching dryer configuration with branch circuit back to existing panel. Surface mounted raceway in laundry room is acceptable. Route concealed back to panelboard outside of laundry area. Cut and patch to match as required. Coordinate mounting height with owner prior to rough-in.

**E3** Relocate existing receptacle and provide new washer receptacle with dedicated branch circuit back to existing panelboard, installation similar to dryer.

#### Fire Hall #2-2627 W Superior Street

##### Mechanical Numbered Notes

**M1** New washer provided by owner. Provide new dedicated ¾" hot and cold water, wall mounted hose bib assembly with connection from existing source (minimum ¾"). Provide new standpipe, ptrap and connect to existing underfloor waste piping and vent piping. Cut and patch existing floor as required.

**M2** Provide new 4" dia. rigid dryer exhaust ductwork to structure above and through roof

**M3** Provide new back draft damper and dryer exhaust roof jack. Weather seal roof penetration. Provide flashing assembly and material to restore roof system integrity.

**M4** Remove existing sink with associated water supply and waste piping. Provide complete connections for new sink furnished by general contractor including but not limited to relocated wall mounted lever operated H/C water facets (centered on new bowl), dedicated hose bib connections for apparatus bay use, drain body, ptrap, and waste piping. Provide ball valves for isolation between supply, sink, and hose bib connections.

**M5** Saw cut and patch to match, concrete floor as required to intercept existing waste piping.

### **Electrical Numbered Notes**

**E1** Existing surface mounted panelboard. Provide one new 30a/2p circuit breaker (dryer), type and rating to match existing.

**E2** Provide new surface mounted 30a/4w receptacle matching dryer configuration with branch circuit back to existing panel. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in

**E3** Remove existing receptacle and extend existing branch circuit to new washer receptacle. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in.

### **Fire Hall #4- 425 W College Street**

### **Mechanical Numbered Notes**

**M1** Disconnect existing clothes washer to facilitate new equipment installation. Reconnect existing washer and install new provided by owner. Provide new dedicated ¾" hot and cold water, wall mounted hose bib assembly with connection from existing source (minimum ¾"). Provide new dual standpipe, ptrap and connect to existing underfloor waste piping and vent piping. Cut and patch existing floor as required.

**M2** Provide new 4" dia. rigid dryer exhaust ductwork to structure above and through roof.

**M3** Provide new back draft damper and dryer exhaust roof jack. Weather seal roof penetration. Provide flashing assembly and material to restore roof system integrity

**M4** Remove existing floor sink and floor drain with associated wall mounted facet. Provide complete connections for new sink furnished by general contractor including but not limited to relocated wall mounted lever operated H/C water facets (centered on new bowl), dedicated hose bib connections for apparatus bay use, ptrap, and waste piping extension from existing. Provide ball valves for isolation between supply, sink, and hose bib connections. Cut and patch existing wall as required to reroute water supply lines to permit flush sink installation.

**M5** Saw cut and patch to match, concrete floor as required to intercept existing waste piping

### **Electrical Numbered Notes**

**E1** Existing surface mounted panelboard. Provide one new 30a/2p circuit breaker (dryer), type and rating to match existing

**E2** Provide new surface mounted 30a/4w receptacle matching dryer configuration with branch circuit back to existing panel. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in

**E3** Remove existing receptacle and extend existing branch circuit to new washer receptacle. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in

### **Fire Hall #6- 1031 N 51<sup>st</sup> Ave E**

### **Mechanical Numbered Notes**

**M1** New washer provided by owner. Provide new dedicated ¾" hot and cold water, wall mounted hose bib assembly with connection from existing source (minimum ¾"), drain to adjacent sink bowl.

**M2** Provide new 4" dia. rigid dryer exhaust ductwork to structure above and route through adjacent OS wall

**M3** Provide new back draft damper and dryer exhaust vent. Weather seal wall penetration. Coordinate vent finish color with owner.

**M4** Remove existing sink with associated water supply and waste piping. Provide complete connections for new sink furnished by general contractor including but not limited to wall mounted lever operated H/C water facets (centered on bowl), dedicated hose bib connections for apparatus bay use, drain body, ptrap, and waste piping. Provide ball valves for isolation between supply, sink, and hose bib connections. Cut and patch existing wall as required to reroute water supply lines to permit flush sink installation.

#### **Electrical Numbered Notes**

**E1** Existing surface mounted panelboard. Provide one new 15a/1p circuit breaker (washer) and one new 30a/2p circuit breaker (dryer), type and rating to match existing

**E2** Provide new surface mounted 30a/4w receptacle matching dryer configuration with branch circuit back to existing panel. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in

**E3** Provide new surface mounted receptacle with branch circuit back to existing panel. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in.

#### **Fire Hall #7- 1419 Maple Grove Rd**

#### **Mechanical Numbered Notes**

**M1** New washer provided by owner. Provide new dedicated ¾" hot and cold water, wall mounted hose bib assembly with connection from existing source (minimum ¾"), drain to adjacent sink bowl.

**M2** Provide new 4" dia. rigid dryer exhaust ductwork to structure above and through roof.

**M3** Provide new back draft damper and dryer exhaust roof jack. Weather seal roof penetration. Provide flashing assembly and material to restore roof system integrity

**M4** Remove existing floor sink and floor drain with associated wall mounted facet. Provide complete connections for new sink furnished by general contractor including but not limited to relocated wall mounted lever operated H/C water facets (centered on new bowl), dedicated hose bib connections for apparatus bay use, ptrap, and waste piping extension from existing. Provide ball valves for isolation between supply, sink, and hose bib connections. Cut and patch existing wall as required to reroute water supply lines to permit flush sink installation.

#### **Electrical Numbered Notes**

**E1** Existing surface mounted panelboard. Provide one new 30a/2p circuit breaker (dryer), type and rating to match existing

**E2** Provide new surface mounted 30a/4w receptacle matching dryer configuration with branch circuit back to existing panel. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in.

**E3** Utilize existing receptacle for new washer

#### **Fire Hall #8- 5830 Grand Ave**

#### **Mechanical Numbered Notes**

**M1** Disconnect existing residential clothes washer. Existing commercial washer to remain. Install new washer provided by owner. Provide new dedicated ¾" hot and cold water, back plane mounted hose bib assembly with connection from existing source (minimum ¾"). Provide new dual standpipe, ptrap and connect to existing underfloor waste piping and vent piping. Cut and patch existing floor as required.

**M2** Provide new 4" dia. rigid dryer exhaust ductwork to structure above and through roof

**M3** Provide new back draft damper and dryer exhaust roof jack. Weather seal roof penetration. Provide flashing assembly and material to restore roof system integrity

**M4** Remove existing sink with associated water supply and waste piping. Provide complete connections for new sink furnished by general contractor including but not limited to wall mounted lever operated H/C water facets (centered on bowl), drain body, ptrap, and waste piping. Raise existing wall mounted hose bib assembly to facilitate new sink installation. Provide ball valves for isolation between supply, sink, and hose bib connections. Cap existing water supply lines serving demolished sink in a manner to permit flush installation of new sink.

### **Electrical Numbered Notes**

**E1** Existing surface mounted panelboard. Provide one new 30a/2p circuit breaker (dryer), type and rating to match existing

**E2** Provide new surface mounted 30a/4w receptacle matching dryer configuration on back plane with branch circuit back to existing panel. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in.

**E3** Utilize existing receptacle above for new washer

### **Fire Hall #10-1108 Commonwealth Ave**

### **Mechanical Numbered Notes**

**M1** New washer provided by owner. Provide new dedicated ¾" hot and cold water, wall mounted hose bib assembly with connection from existing source (minimum ¾"). Provide new standpipe, ptrap and connect to existing waste piping and vent piping in wall behind. Cut and patch from rear side.

**M2** Provide new 4" dia. rigid dryer exhaust ductwork through wall behind to structure above and route through adjacent OS wall.

**M3** Provide new back draft damper and dryer exhaust vent. Weather seal wall penetration. Coordinate vent finish color with owner

**M4** Remove existing sink and floor drain with associated wall mounted facet. Provide complete connections for new sink furnished by general contractor including but not limited to new wall mounted lever operated H/C water facets (centered on new bowl), dedicated hose bib connections for apparatus bay use, ptrap, and waste piping extension from existing below. Raise existing wall mounted condensate piping to facilitate new sink installation. Provide ball valves for isolation between supply, sink, and hose bib connections. Cut and patch existing wall as required to reroute water supply lines to permit flush sink installation. Cap existing water supply lines serving demolished sink in a manner to permit flush installation of new sink.

### **Electrical Numbered Notes**

**E1** Existing surface mounted panelboard. Provide one new 30a/2p circuit breaker (dryer), type and rating to match existing

**E2** Provide new surface mounted 30a/4w receptacle matching dryer configuration with branch circuit back to existing panel. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in.

**E3** Provide new surface mounted receptacle with branch circuit extension from nearest unswitched receptacle in old kitchen area. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in.

## Fire Hall #11-3501 Woodland Ave

### Mechanical Numbered Notes

**M2** Provide new 4" dia. rigid dryer exhaust ductwork through wall behind to structure above and route through adjacent OS wall.

**M3** Provide new back draft damper and dryer exhaust vent. Weather seal wall penetration. Coordinate vent finish color with owner.

**M4** Remove existing sink with associated water supply and waste piping. Provide complete connections for new sink furnished by general contractor including but not limited to wall mounted lever operated H/C water facets (centered on bowl), dedicated hose bib connections for apparatus bay use, drain body, ptrap, and waste piping. Provide ball valves for isolation between supply, sink, and hose bib connections. Cut and patch existing wall as required to reroute water supply lines to permit flush sink installation.

### Electrical Numbered Notes

**E1** Existing surface mounted panelboard. Provide one new 30a/2p circuit breaker (dryer), type and rating to match existing.

**E2** Provide new surface mounted 30a/4w receptacle matching dryer configuration with branch circuit back to existing panel. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in.

**E3** Remove existing receptacle and extend existing branch circuit to new washer receptacle. Surface mounted raceway is acceptable. Coordinate mounting height with owner prior to rough-in

### General

- This specification is intended to provide a general outline of the Owner's requirements for the electrical design on this project.
- Bidders shall submit written design proposals, which detail, in general, the bidder's proposed electrical design. Bidders shall list service size, panel quantities/sizes, lighting types and quantities, receptacles quantities, etc. so that the Owner may intelligently compare proposals.
- Include all permit and utility fees for temporary and permanent services.
- Provide a one-year warranty for the electrical system. Warranty shall begin upon final acceptance by the Owner.
- Verify standard mounting heights with the architect prior to rough-in. All elevations shall conform to the ADA.
- Provide all fire-stopping required for electrical penetrations.

END OF ELECTRICAL DESIGN BUILD  
PERFORMANCE SPECIFICATION