

CITY OF DE PERE

PROJECT 20-22

LEGION PARK RESTROOM

**BID DATE:
JULY 1, 2020
@ 1:00 PM**

Bid documents, including plans and specifications, are available for download at www.QuestCDN.com. The QuestCDN website can also be accessed through the City website at www.deperewi.gov. On the homepage, click on the *Projects* Icon in the middle of the page. Download cost is \$15 for each contract. Bidding documents may be viewed on the QuestCDN website or at the Municipal Service Center, 925 S. Sixth Street, De Pere, WI 54115.

Bid Tabs must be verified by staff prior to posting and will be available for viewing on the website within 7 days following the bid opening. Award information will be pending until approved by the Common Council.

SECTION 00 01 10

TABLE OF CONTENTS

INTRODUCTORY INFORMATION

<u>Section</u>	<u>Title</u>
00 00 01	PROJECT MANUAL COVER
00 01 10	TABLE OF CONTENTS

PROJECT BID DOCUMENTS

<u>Section</u>	<u>Title</u>
00 11 13	ADVERTISEMENT TO BID
00 21 13	INSTRUCTIONS TO BIDDERS
00 41 13	BID FORM
00 43 13	BID BOND
00 43 36	TABULATION OF SUBCONTRACTOR

CONTRACTING REQUIREMENTS

<u>Section</u>	<u>Title</u>
00 51 00	NOTICE OF AWARD
00 52 13	CONTRACT
00 55 00	NOTICE TO PROCEED
00 61 13	PAYMENT BOND
00 61 16	PERFORMANCE BOND
00 62 76	APPLICATION FOR PAYMENT
00 65 16	CERTIFICATE OF SUBSTANTIAL COMPLETION
00 73 00	SUPPLEMENTARY CONDITIONS

DIVISION 1 GENERAL REQUIREMENTS

<u>Section</u>	<u>Title</u>
01 10 00	SUMMARY OF WORK
01 29 00	PAYMENT PROCEDURES
01 32 33	CONSTRUCTION PHOTOGRAPHS
01 33 00	SUBMITTALS
01 41 00	REGULATORY REQUIREMENTS
01 71 23	FIELD ENGINEERING

EXHIBITS

EXHIBIT A	LEGION PARK RESTROOM PLANS	5 PAGES
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CITY OF DE PERE 2020 STANDARD SPECIFICATIONS

CONTRACTING REQUIREMENTS

<u>Section</u>	<u>Title</u>
00 70 00	GENERAL CONDITIONS (See City of De Pere 2020 Standard Specifications)
DIVISION 31 –	EARTHWORK (See City of De Pere 2020 Standard Specifications)
DIVISION 32 –	EXTERIOR IMPROVEMENTS (See City of De Pere 2020 Standard Specifications)
DIVISION 33 –	UTILITIES (See City of De Pere 2020 Standard Specifications)

SECTION 00 11 13

JUNE 11, 2020 – JUNE 18, 2020

CITY OF DE PERE

ADVERTISEMENT TO BID

PROJECT 20-22

LEGION PARK RESTROOM

Sealed proposals will be received by the Board of Park Commissioners of the City of De Pere at the Municipal Service Center, 925 South Sixth Street, De Pere, Wisconsin 54115, until 1:00 PM, Wednesday, July 1, 2020, at which time they will be publicly opened and read aloud.

Project 20-22 for which proposals are being sought includes the construction of a 24'x 22'-6" restroom including the following activities:

- Excavation for building construction
- Concrete footings, floor, and sidewalk around the building exterior
- Split face masonry exterior with some vinyl siding
- Plumbing
- Electrical
- Mechanical
- Asphalt shingle roof

Complete digital project bidding documents are available for viewing and/or downloading at www.QuestCDN.com or may be examined at the office of the Director of Public Works. Digital plan documents may be downloaded for \$15 by inputting Quest project #7075373 on Quest's Project Search page. The QuestCDN website can also be accessed through the City website at www.deperewi.gov. On the homepage, click on the *Projects* icon in the center of the page.

Each proposal shall be accompanied by a certified check or bid bond in an amount equal to five percent (5%) of the bid, payable to the City of De Pere, as a guarantee that if the bid is accepted, the bidder will execute a contract and furnish a contract bond as set forth in the General Conditions of the City of De Pere. In case the bidder fails to file such contract and bond, the amount of the check or bid bond shall be forfeited to the City of De Pere as liquidated damages.

The letting of the contract is subject to the provisions of the following Wisconsin Statutes:

Section 62.15 regarding Public Works.

Section 66.0901(3) regarding Prequalification of Contractor.

Each bidder shall pre-qualify by submitting proof of responsibility on forms furnished by the Director of Public Works. Such forms shall be filed with the Director of Public Works no later than 4:00 PM, Monday, June 29, 2020. Prospective bidders who have

Project 20-22
Legion Park Restroom

City of De Pere

previously submitted such forms subsequent to January 1, 2020 will not be required to separately submit such form for this project.

The City of De Pere reserves the right to reject any or all bids, to waive any informalities in bidding and to accept any proposal which the Common Council deems most favorable to the interest of the City of De Pere.

Dated this 11th day of June 2020.

Board of Public Works
City of De Pere
Eric Rakers, P.E.
City Engineer

Project 20-22

SECTION 00 21 13

INSTRUCTIONS TO BIDDERS

ARTICLE 1 – DEFINED TERMS

- 1.1 Terms used in these Instructions to Bidders have the meanings indicated in the General Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below:
- None

ARTICLE 2 – COPIES OF BIDDING DOCUMENTS

- 2.1 Complete sets of the Bidding documents in the number and for the deposit sum, if any, stated in the Advertisement to Bid may be obtained as stated in the Advertisement for bids.
- 2.2 Complete sets of Bidding Documents shall be used in preparing Bids; Owner does not assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- 2.3 Owner, in providing the Bidding Documents on the terms stated in the Advertisement for Bids, does so only for the purpose of obtaining Bids for the Work and does not confer a license or grant for any other use.

ARTICLE 3 – QUALIFICATIONS OF BIDDERS

- 3.1 In accordance with Section 66.0901(3), each bidder shall pre-qualify by submitting proof of responsibility on forms furnished by the Director of Public Works. Such forms shall be filed with the Director of Public Works as stated in the Advertisement for Bids. Prospective bidders who have previously submitted such forms after January 1st of this year will not be required to separately submit such form for this project.

ARTICLE 4 – EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA AND SITE

- 4.1 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated conditions appear in the General Conditions.
- 4.2 Underground Facilities
- A. Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.
- 4.3 Subsurface and Physical Conditions
- A. The technical data includes:
1. Those reports known to Owner of explorations and tests of subsurface conditions at or contiguous to the Site; and

2. Those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except underground Facilities).
 3. No reports of explorations or tests of subsurface conditions at or contiguous to the Site, or drawings of physical conditions relating to existing surface or subsurface structures at the Site, are known to Owner.
- B. Limited Reliance by Contractor on Technical Data Authorized: Contractor may rely upon the accuracy of the “technical data” contained in such reports and drawings, but such reports and drawings are not Contract Documents. Contractor may not rely upon or make any claim against Owner, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors with respect to:
1. The completeness of such reports and drawings for Contractor’s purposes, including but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or
 2. Other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
 3. Any Contractor interpretation of or conclusion drawn from any “technical data” or any such other data, interpretations, opinions, or information.
- 4.4 On request, Owner will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies. Bidder shall comply with all applicable Laws and Regulations relative to excavation and utility locates.
- 4.5 Reference is made to Section 01 10 00: Summary of Work, for work that will be completed and for the identification of the general nature of other work that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) that relates to the Work contemplated by these Bidding Documents. On request, Owner will provide to each Bidder for examination access to or copies of Contract Documents (other portions thereof related to price) for such other work.
- 4.6 It is the responsibility of each Bidder before submitting a Bid to:
- A. Examine and carefully study the Bidding Documents, the other related data identified in the Bidding Documents, and any Addenda;
 - B. Visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
 - C. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work;
 - D. Obtain and carefully study (or accept consequences of not doing so) all examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying any

specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;

- E. Agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;
- F. Become aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;
- G. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
- H. Promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies, that bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and
- I. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.

- 4.7 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and, procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

ARTICLE 5 – SITE AND OTHER AREAS

- 5.1 The Site is identified in the Bidding Documents. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by Owner unless otherwise provided in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor.

ARTICLE 6 – INTERPRETATIONS AND ADDENDA

- 6.1 All questions about the meaning or intent of the Bidding Documents are to be submitted to Engineer in writing. Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by Engineer as having received the Bidding Documents. Questions received less than ten days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

- 6.2 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by Owner and Engineer.

ARTICLE 7 – BID SECURITY

- 7.1 A Bid shall be accompanied by Bid security made payable to Owner in an amount of five percent (5%) of Bidder's maximum Bid price and in the form of a certified check or bank money order or Bid bond (on the form attached) issued by a surety meeting the requirements of the General Conditions. Submittal of a Bid Bond on a form other than the Bid Bond form included in the Bidding Documents may be cause for rejection of Bid.
- 7.2 The Bid security of the Successful Bidder will be retained until such Bidder has executed the Contract documents, furnished the required contract security and met the other conditions of the Notice of Award, whereupon the Bid security will be returned. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within fifteen (15) days after the Notice of Award, Owner may annul the Notice of Award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom Owner believes to have a reasonable chance of receiving the award may be retained by Owner per the General Conditions.
- 7.3 Bid security of other Bidders whom Owner believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

ARTICLE 8 – CONTRACT TIMES

- 8.1 The number of days within which, or the dates by which, Milestones are to be achieved and the Work is to be substantially completed and ready for final payment are set forth in the Bid Form and Summary of Work.

ARTICLE 9 – LIQUIDATED DAMAGES

- 9.1 Provisions for liquidated damages are set forth in the General Conditions.

ARTICLE 10 – SUBSTITUTE AND "OR-EQUAL" ITEMS

- 10.1 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Whenever it is specified or described in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used by Contractor if acceptable to Engineer, application for such acceptance will not be considered by Engineer until after the Effective Date of the Bid Form and Summary of Work.

ARTICLE 11 – SUBCONTRACTORS, SUPPLIERS, AND OTHERS

- 11.1 The Bidder shall submit with the Bid to Owner a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor, Supplier, individual, or entity, Owner may, before the Notice of Award is given, request apparent Successful

Bidder to submit a substitute, in which case apparent Successful Bidder shall submit an acceptable substitute, Bidder's Bid price will be increased (or decreased) by the difference in cost occasioned by such substitution, and Owner may consider such price adjustment in evaluating Bids and making the Contract award.

- 11.2 If apparent Successful Bidder declines to make any such substitution, Owner may award the Contract to the next lowest Bidder that proposed to use acceptable Subcontractors, Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which Owner makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to Owner subject to revocation of such acceptance after the Effective Date of the Agreement.
- 11.3 Contractor shall not be required to employ any Subcontractor, Supplier, individual, or entity against whom Contractor has reasonable objection.

ARTICLE 12 – PREPARATION OF BID

- 12.1 The Bid form is included with the Bidding documents.
- 12.2 All blanks on the Bid Form shall be completed by printing in ink or by typewrite and the Bid signed in ink. Erasures or alterations shall be initialed in ink by the person signing the Bid Form.
- 12.3 A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporations shall be shown below the seal.
- 12.4 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signature.
- 12.5 A Bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm shall be shown below the signature.
- 12.6 A Bid by an individual shall show the Bidder's name and official address.
- 12.7 A Bid by a joint venture shall be executed by each joint venture in the manner indicated on the Bid Form. The official address of the joint venture shall be shown below the signature.
- 12.8 All names shall be typed or printed in ink below the signatures.
- 12.9 The Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.
- 12.10 The address and telephone number for communications regarding the Bid shall be shown.

- 12.11 The Bid shall contain evidence of Bidder's authority and qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to award of the Contract. Bidder's state contractor license number, if any, shall also be shown on the Bid Form.

ARTICLE 13 – BASIS OF BID; COMPARISON OF BIDS

13.1 Lump Sum

- A. Bidders shall submit a Bid on a lump sum basis.

ARTICLE 14 – SUBMITTAL OF BID

- 14.1 A Bid shall be submitted no later than date and time prescribed and at place indicated in Advertisement for Bids and shall be enclosed in a plainly marked package with the Project title (and, if applicable, designated portion of the Project for which the Bid is submitted), name and address of Bidder, and shall be accompanied by the Bid security and other required documents. If a Bid is sent by mail or other delivery system, sealed envelope containing the Bid shall be enclosed in a separate package plainly marked on outside with the notation "BID ENCLOSED." A mailed Bid shall be addressed to City of De Pere, Municipal Service Center, 925 South Sixth Street, De Pere, WI 54115. Electronically transmitted Bids will not be accepted.

- 14.2 See Bid Form for a list of documents typically required to be submitted with the Bid.

ARTICLE 15 – MODIFICATION AND WITHDRAWAL OF BID

- 15.1 A Bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids.
- 15.2 If within 24 hours after Bids are opened, any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the Work.

ARTICLE 16 – OPENING BIDS

- 16.1 Bids will be opened at the time and place indicated in the Advertisement to Bid and, unless obviously non-responsive, read aloud publicly. An abstract of the amounts of the base bids and major alternates, if any, will be made available to Bidders after the opening of Bids.

ARTICLE 17 – BIDS REMAIN SUBJECT TO ACCEPTANCE

- 17.1 All bids will remain subject to acceptance for the period of time stated in the General Conditions, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

ARTICLE 18 – EVALUATION OF BIDS AND AWARD OF CONTRACT

- 18.1 Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to not be responsible. Owner may also reject the Bid of any Bidder if Owner believes that it would not be in the best interest of the Project to make an award to that Bidder. Owner also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.
- 18.2 More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.
- 18.3 In evaluating Bids, Owner will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.
- 18.4 In evaluating Bidders, Owner will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Supplier, and other individuals or entities proposed for those portions of the Work for which the identify of Subcontractors, Suppliers, and other individuals or entities must be submitted as provided in the Supplementary Conditions.
- 18.5 Owner may conduct such investigations as Owner deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.
- 18.6 Bidder agrees to waive any claim it has or may have against the Owner and the respective employees arising out of or in connection with the administration, evaluation or recommendation of any Bid.
- 18.7 If the Contract is to be awarded, Owner will award the Contract to the lowest responsible responsive Bidder whose Bid is in the best interests of the Project.

ARTICLE 19 – CONTRACT SECURITY AND INSURANCE

- 19.1 The General Conditions set forth Owner's requirements as to performance and payment bonds and insurance. When the Successful Bidder delivers the executed Agreement to Owner, it shall be accompanied by such bonds and a certificate of insurance.

ARTICLE 20 – SIGNING OF AGREEMENT

- 20.1 When Owner gives a Notice of Award to the Successful Bidder, it shall be accompanied by the required number of unsigned counterparts of the Agreement with the other Contract Documents which are identified in the Agreement as attached thereto. Within ten (10) days thereafter, Successful

Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to Owner. Within ten (10) days thereafter, Owner shall deliver one fully signed counterpart to Successful Bidder with a complete set of Drawings with appropriate identification.

END OF SECTION

SECTION 00 41 13

CITY OF DE PERE

BID FORM

PROJECT 20-22

This bid, submitted by the undersigned Bidder to the City of De Pere, in accordance with the Advertisement to Bid, which will be received until 1:00 PM, Wednesday July 1, 2020 is to furnish and deliver all materials, and to perform and do all work on the project designated, by October 15, 2020

Bidder has examined and carefully prepared the bid from the plans and specifications and has checked the same in detail before submitting said proposal or bid; and that said bidder or bidder's agents, officer or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No.

Addendum Date

BASIS OF BID:

Bidder will complete the Work in accordance with the Contract documents for the price listed below.

The lump sum price has been computed in accordance with the General Conditions.

Furnish all labor, materials, equipment, and services as specified and shown on the drawings

For the lump sum of _____
(Use Words)

\$ _____
(Figures)

ATTACHMENTS TO THIS BID

The following documents are submitted with and made a condition of this Bid:

- A. Required Bid Security
- B. Tabulation of Subcontractors (Section 00 43 36)

Project 20-22
Legion Park Restroom
BID SUBMITTAL

City of De Pere

This Bid is submitted by _____ of _____,

The Bidder, being duly sworn, does dispose that they are an authorized representative of

Bidder, if Bidder is:

An Individual

Name (typed or printed): _____

By: _____
(Individual's signature)

Doing business as: _____

A Partnership

Partnership Name: _____

By: _____
(Signature of general partner – attach evidence of authority to sign)

Name (typed or printed): _____

A Corporation

Corporation Name: _____

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____
(Signature – attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____
(CORPORATE SEAL)

Attest _____

Date of Qualification to do business in Wisconsin is ____/____/____.

Joint Venture

Name of Joint Venture: _____

First Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of first joint venture partner – attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By: _____
(Signature of second joint venture partner – attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

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

Bidder's Business Address _____

Phone No. _____ Fax No. _____

E-mail _____

SUBMITTED on _____, 20__.

State Contractor License No. _____ (if applicable)

SECTION 00 43 13

CITY OF DE PERE

BID BOND

KNOW ALL MEN BY THESE PRESENTS: That _____,

as Principal, hereinafter called Principal, and _____,

as Surety, hereinafter called Surety, are held and firmly bound unto the City of De Pere, a municipal corporation of the State of Wisconsin, as Obligee, hereinafter called City, in the amount of _____ dollars (\$_____) for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presence.

WHEREAS, Principal has made a proposal to the City for furnishing all materials, labor, tools, equipment and incidentals necessary to complete the work of Project 20-22, in accordance with drawings and specifications prepared by the Director of Public Works of said City, which proposal is by reference made a part hereof, and is hereinafter referred to as the BID.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Principal shall be awarded the contract for said project and Principal shall enter into a contract in accordance with the BID, then this obligation shall be null and void; otherwise it shall remain in full force and effect, provided that:

1. The liability of Surety shall in no event exceed the penalty of this bond.
2. Any suits at law or proceedings, in equity brought or to be brought against Surety to recover any claim hereunder shall be executed within six (6) months from the date of this instrument.

Signed and sealed this _____ day of _____, 20____.

In the presence of:

WITNESS

PRINCIPAL (SEAL)

WITNESS

SURETY (SEAL)

SECTION 00 43 36

TABULATION OF SUBCONTRACTORS

The following information is submitted which gives the name, business address, and portion of work for each subcontractor that will be used in the work if the bidder is awarded the contract, and no subcontractor doing work in excess of one-half of one percent of the total amount of the bid and who is not listed will be used without the written approval of the Engineer. Additional numbered pages outlining this portion of the proposal may be attached to this page.

<u>PORTION OF WORK</u>	<u>BUSINESS NAME</u>	<u>BUSINESS ADDRESS</u>
Excavation		
Concrete Work		
Structure Construction		
Plumbing		
Mechanical		
Electrical		

SECTION 00 51 00

NOTICE OF AWARD

(Contractor)
(Contractor Name)
(Address)
(Address)

Project Description: 20-22 Legion Park Restroom

The City has considered the proposal submitted by you dated (BID DATE) for the above-described project in response to its Advertisement for Bids dated June 11, 2020 and June 18, 2020.

You are hereby notified that the Common Council of the City of De Pere has accepted your bid of (Contract Amount \$_____.00).

You are required to execute the Contract and furnish the required Performance Bond, Payment Bond and Certificates of Insurance within ten (10) calendar days from the date of this notice to you.

If you fail to execute said Agreement and to furnish said bonds within ten (10) days from the date of this notice, said City will be entitled to consider all your rights arising out of the City's acceptance of your bid as abandoned and as a forfeiture of your Bid Bond. The City will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the City.

Dated this __th day of _____2020.

DEPARTMENT OF PUBLIC WORKS

BY: Eric P. Rakers, P.E.
City Engineer

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by:

_____, this the _____ day of _____, 20____

By:_____

Title:_____

SECTION 00 52 13

CONTRACT

This Contract, made and entered into this day _____ (date to be affixed by City), by and between (Contractor Name), hereinafter called Contractor, and the City of De Pere, a municipal corporation of the State of Wisconsin, hereinafter called City.

WITNESSETH: That, in consideration of the covenants and agreements herein contained, to be performed by the parties hereto, and of the payments hereinafter agreed to be made, it is mutually agreed as follows:

ARTICLE I - SCOPE OF WORK

The Contractor shall furnish all materials and all equipment and labor necessary, and perform all work shown on the drawings and described in the specifications for the project entitled Project 20-22 Legion Park Restroom, all in accordance with the requirements and provisions of the following documents, which are hereby made a part of this Contract:

- (a) Advertisement for Bids, dated June 11, 2020 and June 18, 2020.
- (b) Drawings designated for Project 20-22 Legion Park Restroom dated June 11, 2020.
- (c) City of De Pere 2020 Construction Specifications.
- (d) Special Provisions dated June 11, 2020
- (e) Proposal submitted by (Contractor Name) dated Bid Date.
- (f) Addenda No. _____ dated _____

ARTICLE II - TIME OF COMPLETION

- (a) The work to be performed under the Contract shall be commenced within (number spelled out) (__) calendar days after receipt of written notice to proceed. The work shall be completed within (Number spelled out) (__) calendar days) or (specific calendar dates) after receipt of Notice to Proceed.
- (b) Time is of the essence with respect to the date of completion herein above stated. Failure to complete the work within the number of calendar days stated in this Article, or interim dates included in the work sequence in Section 01 10 00, Summary of Work, including any extensions granted thereto, shall entitle the City to deduct from the monies due the Contractor an amount equal to Update based on 00 70 00 - General Conditions (Page 27)(\$) per day for each calendar day of delay in the completion of the work. Such amount shall be considered and treated not as a penalty but as liquidated damages, which the City will sustain, by failure of the Contractor to complete the work within the time stated.

ARTICLE III - PAYMENT

- (a) The Contract Sum. The City shall pay to the Contractor for the performance of the Contract the amounts determined for the total number of each of the following units of work completed at the unit price stated

thereafter. The number of units contained in this schedule is approximate only, and the final payment shall be made for the actual number of units that are incorporated in or made necessary by the work covered by the Contract.

(b) Progress Payments. The City shall make payments on account of the Contract as follows:

1. On not later than the fourth Friday of every month the Contractor shall present to the City an invoice covering an estimate of the amount and proportionate value of the work done as verified by the City under each item of work that has been completed from the start of the job up to and including the fourth Friday of the preceding month, and the value of the work so completed determined in accordance with the schedule of values for such items, together with such supporting evidence as may be required. This invoice shall also include an allowance for the cost of such materials and equipment required in the permanent work as have been delivered to the site but not as yet incorporated in the work.
2. On not later than the third week of the following month, the City shall, after deducting previous payments made, pay to the Contractor 95% of the amount of the approved invoice, retaining 5% of the estimate of work done until 50% of the work has been completed. At 50% completion of the work, the previous retainage shall not yet be paid, but further partial payments shall be made in full to the contractor without additional retainage being taken unless the engineer certifies that the work is not proceeding satisfactorily. If the work is not proceeding satisfactorily, additional amounts may be retained. After substantial completion, an amount retained may be paid to the contractor, keeping retained only such amount as is needed for the remaining work.
3. The Contractor shall notify the City in writing when all work under this Contract has been completed. Upon receipt of such notice the City shall, within a reasonable time, make the final inspection and issue a final certificate stating that the work provided for in this Contract has been completed and is accepted under the terms and conditions thereof, and that the entire balance due the Contractor as noted in said final certificate is due and payable. Before issuance of the final certificate the Contractor shall submit evidence satisfactory to the City that payrolls, material bills, and other indebtedness connected with the work under this Contract have been paid. The City shall make final payment as soon after issuance of the final certificate as practicable.

ARTICLE IV – CONTRACT DOCUMENTS

(a) Contents

1. The Contract documents consist of the following:
 - a. This Contract (pages 00 52 13-1 to 0052-13-3, inclusive).
 - b. Payment bond (pages 00 61 13-1 to 00 61 13-2, inclusive).
 - c. Performance bond (page 00 61 16-1).
 - d. General Conditions (pages 00 70 00-1 to 00 70 00-27, inclusive).
 - e. Specifications as listed in the table of contents of the Project Manual.
 - f. Drawings consisting of ____ sheets with each sheet bearing the following general title: ____ [or] the Drawings listed on attached sheet index.
 - g. Addenda (numbers ____ to ____ inclusive), dated ____.
 - h. Exhibits to this Agreement (enumerated as follows):
 - 1) Contractor's Bid (pages 00 41 13-1 to 00 41 13-3, inclusive).
 - 2) Proposed Products Form (Page 00 43 33-1).

- 3) Documentation submitted by Contractor prior to Notice of Award (00 51 00-1).
- i. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
 - 1) Notice to Proceed (Page 00 55 00-1).
 - 2) Change Orders.
2. The documents listed in Paragraph (a) Contents, are attached to this Agreement (except as expressly noted otherwise above).
3. There are no Contract Documents other than those listed above in this Article IV.

IN WITNESS WHEREOF, the parties hereto have executed this Contract, the day and year first written above.

(WITNESS) (CONTRACTOR) (SEAL)

(WITNESS) BY: _____

(TITLE)

BY: _____

(TITLE)

CITY OF DE PERE (SEAL)

Approved as to Form By: _____ (City Attorney)

Sufficient funds are available to provide for the payment of this obligation.

(COMPTROLLER)

BY: _____
(MAYOR)

BY: _____
(CITY CLERK)

SECTION 00 55 00

NOTICE TO PROCEED

Date: _____

(CONTRACTOR NAME)
(ADDRESS)
(ADDRESS)

Project: 20-22 Legion Park Restroom

You are hereby notified to commence work in accordance with the CONTRACT dated _____, within ten (10) days of this Notice. All work under this contract shall be completed within _____ (NUMBER IN WORDS) (___#) consecutive days from the start of construction or _____ (DATE) whichever comes first.

Department of Public Works

By: Eric P. Rakers, P.E.
Title: City Engineer

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by

_____, this ____ day of _____, 20____.
Company Name

Signature

BY: _____
Printed Name

TITLE: _____

SECTION 00 61 13

CITY OF DE PERE

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: That (CONTRACTOR NAME), as Principal, hereinafter called Contractor, and _____, as Surety, hereinafter called Surety, are held and firmly bound unto the City of De Pere, a municipal corporation of the State of Wisconsin, as Obligee, hereinafter called the City, for the use and benefit of claimants as herein below defined in the amount _____ (CONTRACT AMT. SPELLED OUT) (\$) _____ for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Contractor has by written agreement dated _____ (date to be affixed by City) entered into a contract with City for Project 20-22, in accordance with drawings and specifications prepared by the Director of Public Works of said City, which contract is by reference made a part hereof, and is hereinafter referred to as the CONTRACT.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Contractor shall promptly make payments to all claimants as hereinafter defined, for all labor and material used or reasonably required for use in the performance of the CONTRACT, then this obligation shall be null and void; otherwise it shall remain in full force and effect, subject, however, to the following conditions.

1. A claimant is defined as one having a direct contract with Contractor or with a subcontractor of Contractor for labor, material, or both, used or reasonably required for use in the performance of the contract, labor and material being construed to include that part of water, gas, power, lights, heat, oil, gasoline, telephone service, or rental of equipment directly applicable to the contract.
2. The above named Contractor and Surety hereby jointly and severally agree with the City that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work or labor was done or performed, or materials were furnished by such claimant may sue on this bond for the use of such claimant in the name of the City, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon, provided, however, that the City shall not be liable for the payment of any costs or expenses of any such suit.
3. No suit or action shall be commenced hereunder by any claimant:
 - a. Unless claimant shall have given written notice to any two of the following: The Contractor, the City, or the Surety above named, within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work or labor was done or performed. Such notice shall be served by mailing the same by registered mail, postage prepaid, in an envelope addressed to the Contractor, City, or Surety, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the State of Wisconsin, save that such service need not be made by a public officer.
 - b. After the expiration of one (1) year following the date on which Contractor ceased work on said CONTRACT.

**Project 20-22
Legion Park Restroom**

City of De Pere

- c. Other than in a state court of competent jurisdiction in and for the County or other political subdivision of the state in which the project, or any part thereof, is situated, or in the United States District Court for the district in which the project, or any part thereof, is situated, and not elsewhere.
4. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of mechanics' liens, which may be filed or recorded against said improvement, whether or not claim for the amount of such lien be presented under and against this bond.

SIGNED AND SEALED THIS _____ DAY OF _____, 20____.

In Presence of:

(WITNESS)

(CONTRACTOR)

(WITNESS)

(SURETY)

SECTION 00 61 16

CITY OF DE PERE

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That (CONTRACTOR'S NAME), as Principal, hereinafter called Contractor, and _____, as Surety, hereinafter called Surety, are held and firmly bound unto the City of De Pere, a municipal corporation of the State of Wisconsin, as Obligee, hereinafter called City, in the amount of _____(AMOUNT WRITTEN OUT) (\$_____) for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assign, jointly and severally, firmly by these presents.

WHEREAS, Contractor has by written agreement dated _____ (date to be affixed by City), entered into a contract with the City for Project 20-22, in accordance with drawings and specifications prepared by the Director of Public Works of said City, which contract is by reference made a part hereof, and is hereinafter referred to as the CONTRACT.

NOW THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if the Contractor shall promptly and faithfully perform said CONTRACT, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

Whenever Contractor shall be, and declared by the City to be in default under the CONTRACT, the City having performed City's obligations there under, the Surety may promptly remedy the default, or shall promptly

1. Complete the CONTRACT in accordance with its terms and conditions or
2. Obtain a bid or bids for submission to City for completing the CONTRACT in accordance with its terms and conditions, and upon determination by the City and Surety of the lowest responsible bidder, arrange for a contract between such bidder and City make available as work progresses (even though there should be a default or succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable by City to Contractor under the CONTRACT and any amendments thereto, less the amount properly paid by City to Contractor.

Any suit under this bond must be instituted before the expiration of two (2) years from the date on which final payment under the CONTRACT falls due. No right of action shall accrue on this bond to or for the use of any person or corporation other than the owner named herein or the heirs, executors, administrators or successors of City.

SIGNED AND SEALED THIS _____ DAY OF _____, 20____.

In the Presence of:

(WITNESS)

(CONTRACTOR)

(SEAL)

(WITNESS)

(SURETY)

(SEAL)

SECTION 00 62 76

APPLICATION FOR PAYMENT

Contractor's Application for Payment No.

Application Period:	Application Date:
Owner: City of De Pere	Contractor:
	Contractor's Project No.:

APPLICATION FOR PAYMENT

Change Order Summary

Approved Change Orders			1. ORIGINAL CONTRACT PRICE:.....	
Number	Additions	Deductions	2. Net change by Change Orders and Written Amendments (+ or -):.....	\$0.00
			3. CURRENT CONTRACT PRICE (Line 1 plus Line 2):.....	\$0.00
			4. Total completed and stored to date Column H on Progress Estimate:.....	\$0.00
			5. Retainage (per Agreement):	
			a. Work Completed - Column H (95% up to 50% of Contract or 2.5% of 100% of Contract)	\$0.00
Total	\$0.00	\$0.00	6. AMOUNT ELIGIBLE TO DATE (Line 4 minus 5):.....	\$0.00
NET CHANGE BY CHANGE ORDERS:			7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$0.00
			8. AMOUNT DUE THIS APPLICATION (Line 6 minus Line 7).....	\$0.00

CONTRACTOR'S CERTIFICATION

The undersigned Contractor certifies that:(1) all previous progress payments received from Owner on account of Work done under Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by the Application for Payment is in accordance with the Contract Documents and is not defective.

By:	Date:

Payment of:

\$
 (Line 8 or other - attach explanation of other amount)

is recommended by:

 (Contractor) (Date)

Payment of:

\$
 (Line 8 or other - attach explanation of other amount)

is recommended by:

 (Owner) (Date)

SECTION 00 65 16

CERTIFICATE OF SUBSTANTIAL COMPLETION

Project:

Owner:

Owner's Contract No.:

Contractor:

This [tentative] [definitive] Certificate of Substantial Completion applies to:

☐ All Work under the Contract Documents: ☐ The following specified portions of the Work:

Date of Substantial Completion

The Work to which this Certificate applies has been inspected by authorized representatives of Contractor and Engineer, and found to be substantially complete. The Date of Substantial completion of the Project or portion thereof designated above is hereby declared and is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below.

A [tentative] [definitive] list of items to be completed or corrected is attached hereto. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance and warranties shall be as provided in the Contract Documents except as amended as follows:

☐ Amended Responsibilities

☐ Not Amended

Owner's Amended Responsibilities:

Contractor's Amended Responsibilities:

Project 20-22
Legion Park Restroom

City of De Pere

The following documents are attached to and made part of this Certificate:

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents.

Executed by Engineer

Date

Accepted by Contractor

Date

SECTION 00 73 00

SUPPLEMENTARY CONDITIONS

These Supplementary Conditions amend or supplement the General Conditions of the City of De Pere 2020 Standard Specifications and other provisions of the Contract Documents as indicated below. All provisions which are not so amended or supplemented remain in full force and effect.

The terms used in these Supplementary Conditions will have the meanings indicated in the General Conditions. Additional terms used in these Supplementary Conditions have the meanings indicated below, which are applicable to both the singular and plural thereof.

Insurance – Updated insured as follows:

The Contractor shall provide the City with a certificate of insurance outlining the required coverage and naming the City and McMahon as additional insured thereunder for purposes of the Contract.

END OF SECTION

SECTION 01 10 00

SUMMARY OF WORK

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes

1. References
2. Work Covered by the Contract Documents
3. Work Sequence
4. Use of Premises
5. Warranty
6. Work by Others
7. Project Utility Sources
8. Miscellaneous Provisions

1.2 REFERENCES

- A. General Specifications. The work under this contract shall be in accordance with the City of De Pere, 2020 Construction Specifications and these Special Provisions and plans, and the latest edition of the Wisconsin Department of Transportation Standards Specifications for Highway and Structure Construction, where referenced in the City Specifications.
- B. Definitions. Any reference to the “state” or the “department” in said Standard Specifications shall mean the “City of De Pere” for the purposes of this contract.
- C. Industry Standards
1. Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.
 2. Comply with standards in effect as of date of the Contract Documents, unless otherwise indicated.
 3. If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement.
 4. The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements.
 5. Each section of the specifications generally includes a list of reference standards normally referred to in that respective section. The purpose of this list is to furnish the Contractor with a list of standards normally used for outlining the quality control desired on the project. The lists are not intended to be complete or all inclusive, but only a general reference of standards that are regularly referred to.

6. Each entity engaged in construction on the Project shall be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents. Where copies of standards are needed to perform a required construction activity, obtain copies directly from the publication source and make them available on request.

1.3 WORK COVERED BY THE CONTRACT DOCUMENTS

A. Project Identification

1. Project Location
 - a. Legion Park
1212 Charles Street
De Pere, WI 54115
2. Work will be performed under the following prime contract:
 - a. Project 20-22 Legion Park Restroom

B. The Work includes:

1. Excavation
2. Concrete foundation, slab, and sidewalk installation
3. Building construction
4. Plumbing
5. Mechanical
6. Electrical
7. Terrace and park restoration, including the haul, access route off of Charles Street.

1.4 WORK SEQUENCE

- A. Obtain all required plan approvals prior to starting construction.

1.5 USE OF PREMISES

- A. Contractor shall have full use of the premises for construction operations, including use of the Project Site, as allowed by law, ordinances, permits, easement agreements and the Contract documents.
- B. Contractor's use of premises is limited only by Owner's right to perform work or to retain other contractors on portions of the Project.
- C. The Project Site is limited to property boundaries, rights-of-way, easements, and other areas designated in the Contract Documents.
- D. Provide protection and safekeeping of material and products stored on or off the premises.
- E. Move any stored material or products which interfere with operations of Owner or other Contractors.

1.6 WARRANTY

- A. The Contractor warrants and guarantees to the City that all work shall be in accordance with the Contract Documents and will not be defective. Prompt notice of all defects will be given to the Contractor. All defective work, whether or not in place, may be rejected, corrected or accepted as provided in this proposal.
- B. If within one (1) year after the date of contract work completion or such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract Documents or by a special provision of the Contract Documents, any work is found to be defective, the Contractor shall comply in accordance with the City's written instructions. These written instructions will include either correcting such defective work or, if it has been rejected by the City, removing it from the site and replacing it with non-defective work. If the Contractor does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk or loss or damage, the City may have the defective work corrected or the rejected work removed and replaced. All direct and indirect costs of correction or removal and replacement of defective work, including compensation for additional professional services, shall be paid by the Contractor.

1.7 WORK BY OTHERS

- A. The City of De Pere Park Department will trim trees in conflict with construction if the City receives advanced notification. Questions regarding trees or landscaping that is bid as part of this contract can be directed to the Engineer.
- B. The City of De Pere Park Department will demolish the existing building. The sanitary lateral and water service will be capped .
- C. Cooperate fully with separate contractors and/or Owner so work by others may be carried out smoothly, without interfering with or delaying work under this Contract.

1.8 PROJECT UTILITY SOURCES

- A. Green Bay Metropolitan Sewer District (NEW Water), Lisa Sarau, (lsarau@newwater.us) (920-438-1039)
- B. AT&T, Shea Gorzelanczyk, (sg2528@att.com) (920-433-4250)
- C. Wisconsin Public Service, Bob Laskowski, (rtlaskowski@wisconsinpublicservice.com) (920-617-2775)
- D. Charter, Vince Albin, (vince.albin@charter.com) (920-378-0444)
- E. Nsight, Rick Vincent, (rick.vincent@nsight.com) (920-617-7316)
- F. TDS Metrocom, Steve Jakubiec, (steve.jakubiec@tdstelecom.com) (920-882-4166)
- G. Net-Lec (Mi-Tech Services), Dennis Lafave, (dlafave@mi-tech.us) (920-619-9774)

- H. Level3 (Mi-Tech Services), Chris Kraus, (ckraus@mi-tech.us) (414-550-6201)
- I. Central Brown County Water Authority, Rob Michaelson, (rmichaelson@mpu.org) (920-686-4354)

1.9 MISCELLANEOUS PROVISIONS

- A.. Ingress and egress to the site of work for delivery of materials, hauling and excavation, daily construction activities and all truck traffic shall be from Webster Street to Charles Street.
- B. Materials shall not be stored on the street nor in the parking lot along Charles Street.
- C. Access shall be off of Charles Street. Protect the curb and gutter and sidewalk on Charles Street when accessing the site. Damage to these facilities shall be restored as determined by the Engineer.
- D. The building block color shall be approved by the City.

PART 2 – PRODUCTS

PART 3 – EXECUTION

END OF SECTION

SECTION 01 29 00

PAYMENT PROCEDURES

PART 1 – GENERAL

1.1 SUMMARY

A. This section includes:

1. Administrative and procedural requirements necessary to prepare and process Applications for Payment.

1.2 SCHEDULE OF VALUES

A. The Engineer approved Schedule of Values for the Lump Sum work used as the basis for reviewing Applications for Payment.

1.3 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as recommended by the Engineer and approved by Owner.
- B. The date for each progress payment should be the 3rd Wednesday of each month. The period covered by each Application for Payment starts on the day following the end of the preceding period and ends the 4th Friday of the Month.
- C. Use forms provided by Engineer for Applications for Payment. Sample copy of the Application for Payment and Continuation Sheet is included in Section 00 62 76.
- D. Application Preparation Procedures
1. When requested by the Contractor, the Engineer will determine the actual quantities and classifications of Unit Price Work performed.
 - a. Preliminary determinations will be reviewed with the Contractor before completing Application for Payment.
 - b. Engineer will complete the Application for Payment based on Engineer's decision on actual quantities and classifications.
 - c. Engineer will submit three original copies of Application for Payment to Contractor for certification of all three original copies.
 - d. Contractor shall submit signed Application for payment to Owner for approval within time frame agreed to at the Preconstruction Conference.
 2. If payment is requested for materials and equipment not incorporated in the Work, then the following shall be submitted with the Application for Payment:
 - a. Evidence that materials and equipment are suitably stored at the site or at another location agreed to in writing.
 - b. A bill of sale, invoice, or other documentation warranting that the materials and equipment are free and clear of all liens.
 - c. Evidence that the materials and equipment are covered by property insurance.

3. Complete every entry on form. Execute by a person authorized to sign legal documents on behalf of Contractor.
- E. With each Application for Payment, submit waivers of liens from subcontractors and suppliers for the construction period covered by the previous application.
1. Submit partial waivers on each item for amount requested before deduction for retainage on each item.
 2. When an application shows completion for an item, submit final or full waivers.
 3. Owner reserves the right to designate which entities involved in the Work shall submit waivers.
 4. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application.
 5. Submit waivers of lien on forms executed in a manner acceptable to Owner.
- F. The following administrative actions and submittals shall precede or coincide with submittal of first Application for Payment:
1. List of subcontractors.
 2. Schedule of Values (For Lump Sum Work).
 3. Contractor's construction schedule.
- G. Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
 2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
 3. Updated final statement, accounting for final changes to the Contract Sum.
 4. Consent of Surety to Final Payment.
 5. Final lien waivers as evidence that claims have been settled.
 6. Final liquidated damages settlement statement.

PART 2 – PRODUCTS

PART 3 – EXECUTION

END OF SECTION

SECTION 01 32 33

CONSTRUCTION PHOTOGRAPHS

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:

1. Photographs for utility construction sites.

1.2 SUBMITTALS

- A. Submit electronic files of each photographic view within seven (7) days of taking photographs.

1.3 QUALITY ASSURANCE

- A. Photographs are to be submitted to the Engineer for approval prior to the start of construction.

PART 2 – PRODUCTS

PART 3 – EXECUTION

3.1 UTILITY AND STREET CONSTRUCTION SITES

- A. Prior to start of construction provide sufficient photographs to adequately show the existing facilities and conditions within and adjacent to the construction Site to serve as a guide for final restoration including:
1. Roads including shoulders and/or curb and gutter.
 2. Sidewalks, parking areas, and driveways.
 3. Utility structures.
 4. Landscaping including signs, plantings, walls, fences, trees, shrubbery, etc.
 5. Mailboxes.
 6. Drainage facilities including culverts, inlets, ditches.
 7. Building structures.

END OF SECTION

SECTION 01 33 00

SUBMITTALS

PART 1 – GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for submittals:
 - 1. Progress Schedule.
 - 2. Schedule of Shop Drawings and Sample Submittals.
 - 3. Shop Drawings.
- B. Failure to meet Submittal requirements to the satisfaction of the Engineer will constitute unsatisfactory performance of the work in accordance with the Contract Documents, therefore, the Engineer may recommend to the Owner that all or a portion of payments requested during the corresponding pay period be withheld until these requirements are met.

1.2 SUBMITTAL PROCEDURES

- A. Coordination: Transmit each submittal sufficiently in advance of performance of related construction activities to avoid delay.
 - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
 - 2. Coordinate transmittal of different types of submittals for related elements of the work so processing will not be delayed by the need to review submittals concurrently for coordination.
 - a. The Engineer reserves the right to withhold action on a submittal requiring coordination with other submittals until all related submittals are received.
 - 3. To avoid the need to delay installation as a result of the time required to process submittals, allow sufficient time for submittal review, including time for re-submittals.
 - a. Allow two weeks for initial submittal.
 - b. Allow two weeks for reprocessing each submittal.
 - c. No extension of Contract Time will be authorized because of failure to transmit submittals to the Engineer sufficiently in advance of the work to permit processing.
- B. Submittal Preparation: Place a permanent label or title block on each submittal for identification. Indicate the name of the entity that prepared each submittal on the label or title block.
 - 1. Assign a reference number to each submittal and re-submittal.
 - 2. Provide a space approximately four (4) by five (5) inches (100 by 125 mm) on the label or beside the title block on Shop Drawings to record the Contractor's review and approval markings and the action taken.
 - 3. Include the following information on the label for processing and recording action taken.
 - a. Project name.
 - b. Date.
 - c. Name and address of the Engineer.
 - d. Name and address of the Contractor.
 - e. Name and address of the subcontractor.
 - f. Name and address of the supplier.

- g. Name of the manufacturer.
 - h. Number and title of appropriate Specification Section.
 - i. Drawing number and detail references, as appropriate.
 - 4. Each submittal shall be stamped by the Contractor indicating that submittal was reviewed for conformance with the Contract Documents. The Engineer will not accept unstamped submittals.
- C. Submittal Transmittal: Package each submittal appropriately for transmittal and handling. Transmit each submittal to the Engineer. The Engineer will not accept submittals received from sources other than the Contractor.
- 1. On the transmittal, record relevant information and requests for Engineer action. On a form, or separate sheet, record deviations from Contract Document requirements, including variations, limitations, and justifications. Include Contractor's certification that information complies with Contract Document requirements.

1.3 CONTRACTOR'S PROGRESS SCHEDULE

- A. Prepare and submit to the Engineer within 10 (ten) days after the Effective Date of the Agreement, four copies of a preliminary progress schedule of the work activities from Notice to Proceed until Substantial Completion.
- 1. Provide sufficient detail of the work activities comprising the schedule to assure adequate planning and execution of the work, such that in the judgment of the Engineer, it provides an appropriate basis for monitoring and evaluation of the progress of the work. A work activity is defined as an activity which requires substantial time and resources (manpower, equipment, and/or material) to complete and must be performed before the contract is considered complete.
 - 2. The schedule shall indicate the sequence of work activities. Identify each activity with a description, start date, completion date and duration. Include, but do not limit to the following items, as appropriate to this contract:
 - a. Shop drawing review by the Engineer.
 - b. Excavation and grading.
 - c. Asphalt and concrete placement sequence.
 - d. Restoration.
 - e. Construction of various segments of utilities.
 - f. Subcontractor's items of work.
 - g. Allowance for inclement weather.
 - h. Contract interfaces, date of Substantial Completion.
 - i. Interfacing and sequencing with existing facilities and utilities.
 - j. Sequencing of major construction activities.
 - k. Milestones and completion dates.
- B. Distribution: Following response to the initial submittal, print and distribute copies of the revised construction schedule to the Engineer, Subcontractors, and other parties required to comply with scheduled dates. When revisions are made, distribute to the same parties. Delete parties from distribution when they have completed their assigned portion of the work and are no longer involved in construction activities.

- C. Schedule Updating: Revise the schedule after each meeting, event, or activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each meeting.
- D. Punch List: Prepare and submit to the Engineer within ten (10) days after substantial completion a detailed progress schedule for outstanding work and punch list items.

1.4 SCHEDULE OF SHOP DRAWINGS AND SAMPLE SUBMITTALS

- A. Submit four (4) hard copies or electronic copies of preliminary submittal schedule in accordance with the General Conditions of the Contract and as follows:
 - 1. Coordinate submittal schedule with the subcontractors, Schedule of Values, and of products as well as the Contractor's Progress Schedule.
 - 2. Prepare the schedule in chronological order. Provide the following information:
 - a. Scheduled date for the first submittal.
 - b. Related Section number.
 - c. Submittal category (Shop Drawings, Product Data, or Samples).
 - d. Name of the subcontractor.
 - e. Description of the part of the work covered.
 - f. Scheduled date for the Engineer's final release or approval.
- B. Distribution: Following response to the initial submittal, print and distribute copies of the revised construction schedule to the Engineer, Subcontractors, and other parties required to comply with scheduled dates. Post copies in the field office. When revisions are made, distribute to the same parties. Delete parties from distribution when they have completed their assigned portion of the work and are no longer involved in construction activities.
- C. Schedule Updating: Revise the schedule after each meeting or activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each meeting.

1.5 SHOP DRAWINGS

- A. Submit newly prepared information drawn accurately to scale. Highlight, encircle, or otherwise indicate deviations from the Contract Documents. Do not reproduce Contract Documents or copy standard information as the basis of Shop Drawings. Standard information prepared without specific reference to the Project is not a Shop Drawing.
- B. Collect product data into a single submittal for each element of construction of system. Product data includes printed information, such as manufacturer's installation instructions, catalog cuts, standard color charts, roughing-in diagrams and templates, standard wiring diagrams, and performance curves.
 - 1. Mark each copy to show actual product to be provided. Where printed Product Data includes information on several products that are not required, mark copies to indicate the applicable information. Include the following information:
 - a. Manufacturer's printed recommendations.
 - b. Compliance with trade association standards.
 - c. Compliance with recognized testing agency standards.

- d. Application of testing agency labels and seals.
- e. Notation of dimensions verified by field measurement.
- f. Notation of coordination requirements.

C. Do not use shop drawings without an appropriate final stamp indicating action taken.

D. Submittals: Submit four (4) copies of each required submittal. The Engineer will retain two (2) copies, and return the others to the Contractor marked with action taken and corrections or modifications required.

E. Distribution: Furnish copies of reviewed submittal to installers, subcontractors, suppliers, manufacturers, fabricators, and others required for performance of construction activities. Show distribution on transmittal forms. Maintain one copy at the project site for reference.

- 1. Do not proceed with installation until a copy of the Shop drawing is in the Installer's possession.
- 2. Do not permit use of unmarked copies of the Shop Drawing in connection with construction.

1.6 ENGINEER'S ACTION

A. Except for submittals for the record or information, where action and return is required, the Engineer will review each submittal, mark to indicate action taken, and return promptly. The Engineer will stamp each submittal with a uniform action stamp. The Engineer will mark the stamp appropriately to indicate the action taken, as follows:

- 1. "No Exceptions Taken": The work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents.
- 2. "Make Corrections Noted": The work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents.
- 3. "Amend and Resubmit": Do not proceed with work covered by the submittal. Resubmit without delay. Do not use, or allow others to use, submittals marked "Amend and Resubmit" at the Project Site or elsewhere where work is in progress.
- 4. "Rejected – See Remarks": Do not proceed with work covered by the submittal. Resubmit without delay. Do not use, or allow others to use, submittals marked "Rejected and Resubmit" at the Project Site or elsewhere where work is in progress.

B. Unsolicited Submittals: The Engineer will return unsolicited submittals to the sender without action.

PART 2 – PRODUCTS

PART 3 – EXECUTION

END OF SECTION

SECTION 01 41 00

REGULATORY REQUIREMENTS

PART 1 – GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Underground Utilities.
 - 2. Property Monuments.
 - 3. Permits for Project.

1.2 UNDERGROUND UTILITIES

- A. Under the provisions of Wisconsin Statutes, Section 182.0175, all contractors, subcontractors, and any firm or individual intending to do work on this Contract shall contact all utility firms in the affected area of construction a minimum of three (3) working days prior to beginning construction so that affected utilities will be located and marked.

1.3 TRAFFIC CONTROL

- A. Provide traffic control facilities including barricades, signs, lights, warning devices, pavement markings, flaggers, etc.
- B. Construct and use traffic control facilities in accordance with the U.S. D. O. T. Federal Highway Administration's Manual on Uniform Traffic Control Devices for Streets and Highways.
- C. Maintain traffic control devices as required to properly safeguard the public travel through final completion, including during periods of suspension of work.

1.4 PERMITS FOR PROJECT

- A. The Contractor is responsible to obtain plan approval permits.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION (Not used)

END OF SECTION

**SECTION 01 71 23
FIELD ENGINEERING**

PART 1 – GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Engineering Surveys Provided by the Engineer.
 - 2. Engineering Surveys Provided by the Contractor.

1.2 SUBMITTALS

- A. None

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.1 PREPARATION

- A. Investigate and verify the existence and location of site improvements, utilities, and other existing facilities.
- B. Before construction, verify the location of invert elevations at points of connection of sanitary sewer, storm sewer, water piping and underground electrical services.
- C. Furnish information to the Engineer and the appropriate utility regarding conflicts that are necessary to adjust, move, or relocate existing utility structures, utility poles, lines, services, or other utility appurtenances located in or affected by construction.
- D. Provide the Engineer two (2) working days advance notification when ready for engineering surveys for construction to be provided by the Engineer.

3.2 ENGINEERING SURVEYS TO BE PROVIDED BY THE ENGINEER

- A. General
 - 1. Establish benchmarks for construction as shown on the drawings.
 - 2. Establish control points as shown on the drawings.

3.3 ENGINEERING SURVEYS TO BE PROVIDED BY THE CONTRACTOR

- A. General
 - 1. Locate, preserve and protect established construction reference stakes, benchmarks and control points.

2. Locate, preserve and protect property corners and section corner monuments. If moved or destroyed due to Contractor negligence, then replace in accordance with state requirements; some of which are referenced in the "Regulatory Requirements".
3. Provide additional construction staking as necessary to complete construction based on the construction reference stakes provided by the Engineer and the Drawings.
4. Before beginning with necessary construction staking, verify the information shown on the Drawings, in relation to the established construction reference stakes, bench marks, control points and property corners. Notify the Engineer of any discrepancies.
5. Remove construction reference stakes when directed by the Engineer.

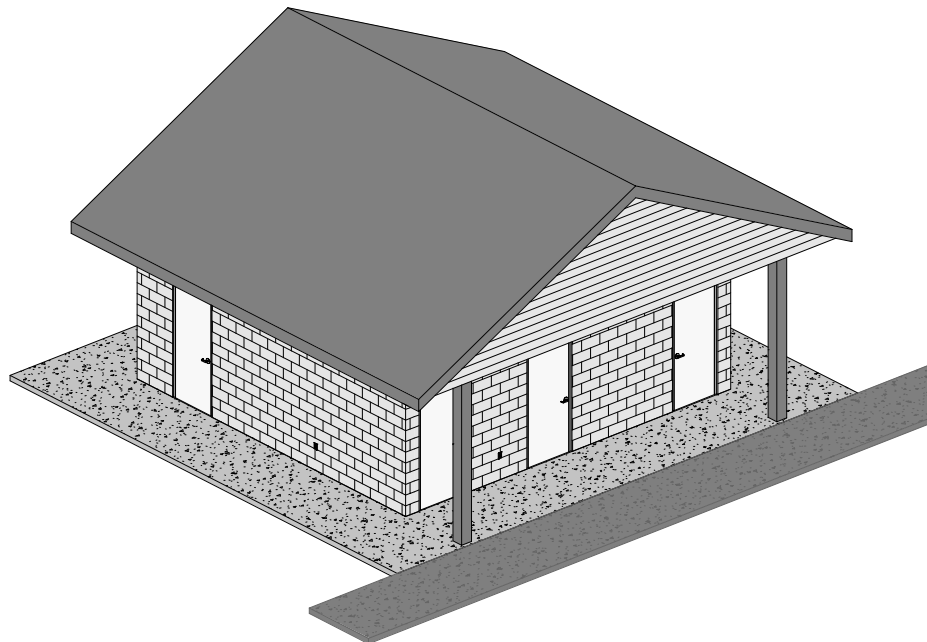
END OF SECTION

APPENDIX A

LEGION PARK RESTROOM PROJECT PLANS

Title Sheet	1 page
Outline Specifications	3 pages
Floor plan, elevations, and sections	1 page

1212 CHARLES ST., DE PERE WI 54115

[illegible]

McMAHON
1445 McMAHON DRIVE
NEENAH, WI 54956
(920) 751-4200
PROJECT MANAGER: KEVIN CHEVALIER
E-MAIL: KCHEVALIER@MCMGRP.COM

CODES:
 2015 INTERNATIONAL BUILDING CODE
 2015 INTERNATIONAL EXISTING BUILDING CODE
 2015 INTERNATIONAL MECHANICAL CODE
 WISCONSIN UNIFORM PLUMBING CODE
 2015 INTERNATIONAL ELECTRICAL CODE
 2015 INTERNATIONAL FIRE CODE
 2015 INTERNATIONAL FUEL GAS CODE
 2012 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), LIFE SAFETY CODE
 2009 ICC/ANSI 117.1-2009 ACCESSIBILITY CODE

PROJECT SCOPE:	BUILDING IS A RESTROOM FACILITY FOR SEASONAL USE. BUILDING IS UNHEATED AND WILL NEED TO BE WINTERIZED.
USE & OCCUPANCY:	RESTROOM FACILITY (B - BUSINESS)
CONSTRUCTION TYPE:	TYPE IIIB
BUILDING AREA:	544 S.F.
BUILDING HEIGHT:	19'-0"

PRELIMINARY NOT FOR CONSTRUCTION

CITY OF DE PERE 1212 CHARLES ST., DE PERE WI 54115

TITLE SHEET

DESIGNED	DRAWN
KJC	KJC
PROJECT NO.	
D0005 6-20-00120	
DATE	
MAY 13, 2020	
SHEET NO.	
A001	

SLAB ON GRADE:

- CONTRACTOR SHALL OBTAIN A GEOTECHNICAL ENGINEER TO INSPECT SLAB SUBGRADE AFTER EXCAVATION TO VERIFY EXISTING SOIL CONDITIONS. AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER, REMOVE UNSATISFACTORY SOILS TO AN ELEVATION WHERE SATISFACTORY SOIL IS ENCOUNTERED, REPLACE UNSATISFACTORY SOIL w/ COMPACTED STRUCTURAL FILL.
2. PROVIDE 8" MINIMUM OF SLAB BASE MATERIAL BELOW ALL CAST-IN-PLACE CONCRETE ON GRADE.
3. SLAB BASE MATERIAL
LOCATION: BELOW SLAB ON GRADE.

TYPE: GRANULAR FILL, UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER, PROVIDE MATERIAL SUCH AS MANUFACTURED SAND OR 3/4" CRUSHED LIMESTONE BASE COURSE WITH 100% PASSING THE 1" SIEVE, 40-100% PASSING THE #4 SIEVE, 15-30% PASSING THE #40 SIEVE, AND LESS THAN 10% PASSING THE #200 SIEVE.

COMPACTION: UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER, COMPACT TO 95% MODIFIED PROCTOR (ASTM: D1557) PLACED IN LIFTS NOT TO EXCEED 8".
4. PROVIDE 10 MIL. THICK CLEAR POLYETHYLENE FILM VAPOR BARRIER BELOW ALL CAST-IN-PLACE CONCRETE ON GRADE INSIDE BUILDING. SEE ARCHITECTURAL PLANS FOR LOCATIONS.
5. PROVIDE CONSTRUCTION JOINTS (C.J.) AND SAWCUT JOINTS (S.J.) AS NECESSARY TO ADEQUATELY CONTROL SHRINKAGE CRACKING. SAWED JOINTS IN SLAB SHALL BE MADE WITHIN 18 HOURS OF FINAL SLAB FINISHING, OR EARLIER IF CONCRETE STRENGTH PERMITS.
6. SLAB JOINTS SHALL GENERALLY BE LOCATED AT COLUMN CENTERLINES, WHEN POSSIBLE, UNLESS OTHERWISE NOTED ON PLANS, THE MAXIMUM JOINT SPACING SHALL COMPLY WITH THE FOLLOWING:
5" SLAB - 12'-6" o.c.
7. SLABS SHALL BE PITCHED TO FLOW TO FLOOR DRAINS WHERE THEY OCCUR 1/8" PER FOOT MINIMUM PITCH.
8. INTERIOR FLOOR SLABS SHALL BE PROTECTED FROM COLD WEATHER IN ACCORDANCE WITH ACI 318.
9. PROVIDE 30# FELD BOND BREAK BETWEEN CONCRETE SLAB EDGE & VERTICAL CONCRETE AND/OR MASONRY SURFACES AT INSIDE OF BUILDING.
10. AT A MINIMUM, PROVIDE 1/2" THICK EXPANSION JOINT MATERIAL WHERE CONCRETE SLAB ABUTS VERTICAL SURFACES AT BUILDING EXTERIOR. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INSULATION REQUIREMENTS AT EDGE OF CONCRETE SLAB.
11. AT CONTRACTORS OPTION, CONCRETE CAN BE NON-AIR ENTRAINED FOR INTERIOR SLABS, PROVIDED CONCRETE IS PROTECTED FROM COLD WEATHER.

FOUNDATION:

3. ASSUMED SOIL BEARING - 2,000 P.S.F. CONTRACTOR SHALL EMPLOY A CERTIFIED GEOTECHNICAL CONSULTANT DURING CONSTRUCTION TO TEST AND VERIFY ASSUMED SOIL CONDITIONS AND REPORT FINDINGS TO ARCHITECT/ENGINEER.
2. CONTRACTOR SHALL OBTAIN A GEOTECHNICAL ENGINEER TO INSPECT SUB-GRADE AFTER EXCAVATION TO VERIFY SOIL BEARING PRESSURES. AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER, REMOVE UNSATISFACTORY SOILS TO AN ELEVATION WHERE SATISFACTORY SOIL IS ENCOUNTERED. REPLACE UNSATISFACTORY SOIL w/ EITHER COMPACTED STRUCTURAL FILL OR CONCRETE SLURRY.
3. PLACE FOUNDATION CONCRETE ON CLEAN FIRM BEARING SOILS MATERIAL.
4. WALL FOOTINGS ARE CENTERED ON WALLS (U.N.O.) COLUMN FOOTINGS ARE CENTERED ON COLUMNS (U.N.O.)
5. MINIMUM DEPTH TO ALL EXTERIOR FOOTINGS SHALL BE 4'-0" BELOW GRADE.
6. INSTALL 2" THICK RIGID INSULATION VERTICALLY AT ALL EXTERIOR FOUNDATION LOCATIONS. USE EXTRUDED POLYSTYRENE INSULATION WITH R=10, SEE ARCHITECTURAL PLANS FOR LOCATIONS OF INSULATION.
7. CONTRACTOR TO CONSULT WITH LOCAL AUTHORITIES PRIOR TO EXCAVATION TO LOCATE UNDERGROUND GAS, SEWER, WATER, AND ELECTRICAL OBSTACLES.
8. STRUCTURAL FILL
LOCATION: ALL BACKFILL WITHIN 5'-0" OF THE BUILDING LINES, BELOW STRUCTURAL FOUNDATIONS, AND BEHIND RETAINING WALLS WITHIN A WEDGE EXTENDING UPWARDS 45 DEGREES FROM THE BACK FACE OF RETAINING WALL FOOTINGS.

TYPE: PREDOMINANTLY WELL GRADED GRANULAR MATERIAL, UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER. PROVIDE MATERIAL WITH 100% PASSING THE 3" SIEVE, 70-100% PASSING THE #4 SIEVE AND LESS THAN 15% PASSING THE #200 SIEVE.

COMPACTION: UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER, COMPACT TO 95% MODIFIED PROCTOR (ASTM: D1557) PLACED IN LIFTS NOT TO EXCEED 8".
9. IN AREAS OF COMPACTED FILL WITHIN THE BUILDING LINES, BACKFILLING AGAINST BOTH SIDES OF WALLS SHALL BE DONE AT THE SAME RATE TO PREVENT STRESS AND OVERTURNING OF FOUNDATION WALLS.
10. ALL EARTHWORK WITH ON-SITE MATERIALS SHOULD BE PERFORMED WHEN TEMPERATURES ARE ABOVE FREEZING. FROZEN SOIL SHOULD NOT BE USED BENEATH STRUCTURES. ALL FOUNDATION EXCAVATION MUST BE INSULATED AGAINST FREEZING UNTIL CONSTRUCTION OF FOUNDATION IS COMPLETE.
11. SOILS THAT BECOME RUTTED OR DISTURBED BY CONSTRUCTION VEHICLES WILL BE UNSUITABLE FOR SUPPORTING FOUNDATION AND CONCRETE SLABS. THE SOILS SHALL BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL.
12. NO SOIL DISTURBANCES, HOLES, OR TRENCHES ARE PERMITTED BELOW FOOTINGS. WITHIN A WEDGE EXTENDING DOWNWARDS 45 DEGREES FROM THE BOTTOM EDGE OF THE FOOTING, FOOTINGS SHALL BE STEPPED DOWN AS REQUIRED TO AVOID SUCH DISTURBANCES.

CAST-IN-PLACE CONCRETE:

1. CONCRETE AND ITS PLACEMENT SHALL BE IN ACCORDANCE WITH ACI 318, ACI 301, AND THE PROJECT SPECIFICATIONS, EXCEPT AS MODIFIED BELOW. PROTECT ALL CONCRETE IN ACCORDANCE WITH ACI STANDARDS FOR HOT & COLD WEATHER CONCRETING.
2. STANDARD WEIGHT CONCRETE SHALL COMPLY WITH THE FOLLOWING:
 - A. MINIMUM COMPRESSIVE STRENGTH (AT 28 DAYS)
 - B. MAXIMUM WATER/CEMENT RATIO
 - C. MAXIMUM AGGREGATE SIZE
 - D. TOTAL AIR CONTENT
 - E. MAX SLUMP
 - F. REINFORCING BARS: PROVIDE DEFORMED BARS COMPLYING WITH ASTM A615 GRADE 60.
 - G. WELDED WIRE FABRIC: ASTM A185, COLD DRAWN STEEL PLAIN.
 - H. NO ADMIXTURES WITHOUT REVIEW FROM ENGINEER. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED.
3. CONCRETE COVERAGE FOR REINFORCING (U.N.O.):
 - A. UNFORMED CONCRETE IN CONTACT WITH EARTH = 3"
 - B. FORMED CONCRETE IN CONTACT WITH EARTH = 2"
 - C. OTHER CONCRETE = 1 1/2"
4. LAP SPICES SHALL BE THE FOLLOWING BAR DIAMETERS NOTED OTHERWISE ON DRAWINGS, LOCATE SPICES AT POINT OF MINIMUM STRESS. WELDED SPICES ARE NOT PERMITTED.
 - A. ALL REINF. EXCEPT FOR THAT NOTED IN 4B.

REINFORCEMENT	LAP LENGTH IN BAR DIAMETERS
#3 THROUGH #6	38
#7 THROUGH #11	48

B. HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCH OF CONCRETE IS CAST BELOW THE REINFORCEMENT (I.E. HORIZONTAL WALL REINFORCEMENT AND TOP BEAM REINFORCEMENT)

REINFORCEMENT	LAP LENGTH IN BAR DIAMETERS
#3 THROUGH #6	50
#7 THROUGH #11	62

C. WELDED WIRE FABRIC - MESH SPACE +2".

5. COMPLY WITH ACI 301, POSITION, SUPPORT AND SECURE REINFORCEMENT AGAINST DISPLACEMENT, LOCATE AND SUPPORT WITH METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS, AND HANGERS, AS REQUIRED. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE, NOT TOWARD EXPOSED CONCRETE SURFACES.
6. PROVIDE BENT CORNER BARS TO MATCH AND LAP HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF WALLS AND FOOTING.
7. PROVIDE DOWELS OF SAME SIZE AND SPACING AS VERTICAL WALL OR COLUMN REINFORCING, WITH STANDARD HOOKS, AT THE FOUNDATION (U.N.O.).
8. MAXIMUM FREE DROP OF ALL CONCRETE = 2'-0".
9. CONCRETE CAN ONLY BE PLACED ON A FROST-FREE SUBGRADE
10. MECHANICALLY VIBRATE ALL CONCRETE.
11. PROVIDE A 3/4"x3/4" CHAMFER ON ALL EXPOSED CORNERS OF CONCRETE.
12. ALL CAST-IN-PLACE CONCRETE SHALL BE PROTECTED AGAINST RAPID DRYING AND MUST BE KEPT MOIST FOR A MINIMUM OF (7) DAYS FOR NOMINAL CONCRETE.

CONCRETE MASONRY UNITS:

1. COMPLY WITH RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA), NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA), AND ACI 530. PROTECT ALL MASONRY IN ACCORDANCE WITH ACI STANDARDS FOR HOT & COLD WEATHER CONSTRUCTION.
2. MASONRY MUST COMPLY WITH THE FOLLOWING MINIMUM REQUIREMENTS:
 - A. BLOCK COMPRESSIVE STRENGTH - 3,000 PSI
 - B. GROUT - 2,000 PSI
 - C. MORTAR - TYPE S = 2,000 PSI ABOVE GRADE
 - D. MORTAR - TYPE M = 2,000 PSI BELOW GRADE
 - E. REINFORCING BARS - ASTM A615 GRADE 60
 - F. ASSEMBLY COMPRESSIVE STRENGTH - 2,000 PSI (fm)
3. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED.
4. SPECIAL SHAPES: PROVIDE SPECIAL BLOCK TYPES WHERE REQUIRED FOR CORNERS, CONTROL JOINTS, HEADERS, LINTELS AND OTHER SPECIAL CONDITIONS.
5. ALL MASONRY SHALL BE LAID PLUMB, TRUE TO LINE, AND WITH LEVEL COURSES. LAY IN RUNNING BOND, OVERLAY CORNER BLOCK UNITS.
6. CONTRACTOR SHALL DESIGN TEMPORARY BRACING AS REQUIRED TO STABILIZE MASONRY WALLS UNTIL PERMANENT SUPPORTS ARE INSTALLED.
7. SEE PLANS FOR VERTICAL MASONRY CONTROL JOINT LOCATIONS. GUIDELINES:
 - LOCATE FIRST JOINT 10'-0" FROM EACH CORNER AND 24'-0" MAX. SPACING ON CENTER BETWEEN JOINTS. DO NOT LOCATE JOINTS WITHIN 1'-4" OF WINDOWS OR DOORS.
8. MAXIMUM GROUT LIFT WITHOUT CLEAN-OUTS = 4'-0".
 - MAXIMUM GROUT LIFT WITH CLEAN-OUTS = 8'-0".
9. FULL MORTAR BED JOINTS ARE REQUIRED, TYPICAL.
10. ALL VERTICAL REINFORCING SHALL BE CONTINUOUSLY GROUTED IN CELLS.
11. PLACE HOOKED DOWELS AT ALL VERTICAL MASONRY REINFORCING LOCATIONS INTO FOUNDATION SYSTEM.
12. DOOR AND WINDOW JAMBS SHALL BE SOLID GROUTED 8" MINIMUM WIDTH (U.N.O.).
13. LAP SPLICES IN MASONRY 48 BAR DIAMETERS.
14. JOINT REINFORCEMENT - NEW MASONRY WALLS TO BE REINFORCED WITH 9 GAUGE DUR-O-WAL EVERY OTHER BLOCK COURSE.

CARPENTRY WORK:

- A. LUMBER GRADING RULES: RIS SFWA WCLIB OR WWPA AS APPLICABLE.
- B. BLOCKING: SPF NO. 2 AND BETTER.
- C. ROOF PERIMETER BLOCKING: SOUTHERN PINE OR DOUGLAS FIR NO.2 STRUCTURAL GRADE NON-TREATED.
- D. ROOF SHEATHING: APA RATED SHEATHING; UNSANDED, EXPOSURE 1, 5/8" THICK.
- E. FASTENERS: HOT-DIPPED GALVANIZED STEEL FOR EXTERIOR, HIGH HUMIDITY, AND UNPAINTED WOOD LOCATIONS; PLAIN FINISH ELSEWHERE, SIZE AND TYPE TO SUIT CONDITION.
- F. COORDINATE INSTALLATION OF WOOD TRUSSES.

WOOD TRUSSES:

- A. DESIGN TRUSSES UNDER DIRECT SUPERVISION OF PROFESSIONAL ENGINEER EXPERIENCED IN STRUCTURAL FRAMING DESIGN OF TRUSSES REGISTERED IN STATE OF PROJECT LOCATION.
- B. LUMBER GRADING AGENCY: CERTIFIED BY ALSOC.
- C. TRUSS PLATES: IN ACCORDANCE WITH TRUSS PLATE INSTITUTE.
- D. LUMBER GRADING RULES: NFPA, SFPA, WCLB OR WWPA AS APPLICABLE.
- E. STEEL CONNECTORS: ANSI/ASTM A446 STEEL, GRADE A; GALVANIZED; DIE STAMPED WITH INTEGRAL TEETH; MINIMUM 10-GAUGE THICK.
- F. FASTENERS: HOT DIPPED GALVANIZED FOR EXTERIOR, HIGH HUMIDITY, AND TREATED WOOD LOCATIONS, PLAIN FINISH ELSEWHERE; SIZE AND TYPE TO SUITE CONDITION.
- G. INSTALL TRUSSES IN ACCORDANCE WITH FABRICATOR'S INSTRUCTIONS.

SOLID SURFACE FABRICATIONS:

- A. PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:**
- CORIAN® SURFACES FROM DUPONT (BASIS OF DESIGN)
 - SURELL SURFACES AS MANUFACTURED BY FORMICA BRAND,
 - OR EQUAL
- B. SOLID POLYMER COMPONENTS:**
- CAST, NONPOROUS, FILLED POLYMER, NOT COATED, LAMINATED OR OF COMPOSITE CONSTRUCTION WITH THROUGH BODY COLORS MEETING ANSI Z124.3 OR ANSI Z124.6, HAVING MINIMUM PHYSICAL AND PERFORMANCE PROPERTIES SPECIFIED.
 - SUPERFICIAL DAMAGE TO A DEPTH OF 0.101" (25 MM) SHALL BE REPAIRABLE BY SANDING AND/OR POLISHING.

- C. THICKNESS: 1/4"
D. INTEGRAL SINK: SEAMED UNDERMOUNT SINK.
E. BACKSPLASH: APPLIED.
F. SIDESPLASH: APPLIED.
G. SELECT FINISHES FROM THE MANUFACTURER'S STANDARD COLOR CHART.

BOARD INSULATION:

- A. POLYSTYRENE INSULATION: ASTM C578 (TYPE IV) EXTRUDED CELLULAR TYPE, CONFORMING TO THE FOLLOWING:**
- | | |
|----------------------|--|
| THERMAL RESISTANCE | R OF 5.0 |
| THICKNESS | AS INDICATED |
| BOARD SIZE | 48" X 96" |
| COMPRESSIVE STRENGTH | 15 PSI MINIMUM |
| WATER ABSORPTION | IN ACCORDANCE WITH ANSI/ASTM D284:
0.3% BY VOLUME MAXIMUM |
| EDGES | SQUARE |
- B. MANUFACTURERS:**
- DOW CHEMICAL COMPANY – STYROFOAM SQUARE EDGE
 - OWENS CORNING: FOAMULAR
 - DIVERSIFOAM PRODUCTS – CERTIFOAM
- C. ADHESIVE: LIQUID NAILS; POLYURETHANE ADHESIVE LOW VOC LN950.**
- D. ADHERE BOARDS TO FOUNDATION WALL PERIMETER, HORIZONTALLY, PLACE BOARDS IN A METHOD TO MAXIMIZE CONTACT BEDDING, STAGGER SIDE END JOINTS, BUTT EDGES AND ENDS TIGHT TO ADJACENT BOARD AND TO PROTRUSIONS.**

BATT AND BLANKET INSULATION:

- A. ASTM C665 – MINERAL FIBER BLANKET THERMAL INSULATION FOR LIGHT FRAME CONSTRUCTION AND MANUFACTURING HOUSING.
- B. BATT INSULATION: ASTM C665: PREFORMED MINERAL AND GLASS FIBER BATT; FRICTION FIT, CONFORMING TO THE FOLLOWING:
 - THERMAL INSUL:
 - FIRE HAZARD CLASSIFICATION: ASTM E84, FLAME SPREAD 25, SMOKE DEVELOPED 50
 - THERMAL RESISTANCE: R OF 2.92 PER INCH
 - FACING: UNFACED
 - ACOUSTICAL INSUL:
 - THERMAL RESISTANCE: R OF 7
 - STC RATING REDUCTION: 5-10 DBS
 - THICKNESS: 2-3/4 INCHES
 - FACING: UNFACED
- C. SHEET VAPOR BARRIER: BLACK OR CLEAR POLYETHYLENE FILM FOR ABOVE GRADE APPLICATION, 6 MIL THICK.
- D. TAPE: POLYETHYLENE SELF-ADHERING TYPE, 2" WIDE.
- E. INSTALL INSULATION AND VAPOR AND AIR BARRIER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- F. FIT INSULATION TIGHT IN SPACES AND TIGHT TO EXTERIOR SIDE OF MECHANICAL AND ELECTRICAL SERVICES WITHIN THE PLACE OF INSULATION, LEAVE NO GAPS OR VOIDS.
- G. LEAVE VAPOR BARRIER TIGHT TO FULL PERIMETER OF ADJACENT DOOR FRAMES AND OTHER ITEMS INTERRUPTING THE PLANE OF MEMBRANE, TAPE SEAL IN PLACE.

FOAMED-IN-PLACE INSULATION:

- A. MASONRY CORE FILL INSULATION:
- TAILORED CHEMICAL PRODUCTS, INC: CORE-FILL 500
 - THERMAL CORPORATION OF AMERICA: THERMCO FOAM
- B. APPLY INSULATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- C. APPLY INSULATION BY SPRAY AND INJECTION METHOD, TO A UNIFORM MONOLITHIC DENSITY WITHOUT VOIDS.

ASPHALT SHINGLES:

- A. CONFORM TO APPLICABLE CODE FOR ANSI/ASTM D3018 CLASS A UL 580 WIND UPLIFT.
- B. ASPHALT SHINGLES: ANSI/ASTM D3018, CLASS A WITH TYPE I – SELF SEALING; UL RATING OF A AND WIND RESISTANCE LABEL, GLASS FIBER MAT BASE, MINERAL GRANULE SURFACE TYPE; 230 LB/SQUARE; SELF-SEALING TYPE; SQUARE BUTT TYPE, COLOR SELECTED BY OWNER.
- C. STARTER STRIP: 13"X36" STRIP, SURFACED ON WEATHER SIDE WITH MINERAL GRANULES OF COLOR SAME AS SHINGLES.
- D. EAVE ICE DAM PROTECTION: SHEET BARRIER OF RUBBERIZED ASPHALT BONDED TO SHEET POLYETHYLENE, 40 MIL TOTAL THICKNESS, WITH STRIPPABLE TREATED RELEASE PAPER; GRACE ICE AND WATER SHIELD MANUFACTURED BY W.R. GRACE & CO.
- E. UNDERLAYMENT: ANSI/ASTM D226, NO.15 UNPERFORATED ASPHALT SATURATED FELTS, OR IKO: STORMTITE SYNTHETIC UNDERLAYMENT.
- F. RIDGE VENT: OWENS CORNING "VENTURE RIGID ROL" PROPYLENE POLY. VENT: MINIMUM 12 SQUARE INCH OF FREE AREA PER FOOT, 11-3/4" WIDTH.
- G. NAILS: STANDARD ROUND WIRE SHINGLE TYPE, HOT DIPPED ZINC COATED STEEL MINIMUM 13/64" HEAD DIAMETER AND 0.080" SHANK DIAMETERS, 1-1/4" OF SUFFICIENT LENGTH TO PENETRATE THROUGH ROOF SHEATHING, STAPLES NOT ALLOWED.
- H. SHEET FLASHINGS: ASTM A361 24-GAUGE THICK PREFINISHED STEEL WITH MINIMUM 1.25 OZ/SQ FT GALVANIZED COATING, WITH KYNAR 500 FLUOROPOLYMER COATING COLOR AS SELECTED.
- I. FORM FLASHINGS TO PROFILES INDICATED ON DRAWINGS, AND TO PROTECT ROOFING MATERIALS FROM PHYSICAL DAMAGE AND SHED WATER.
- J. PLACE EAVE EDGE AND GABLE EDGE METAL FLASHINGS TIGHT WITH FACIA BOARDS. WEATHER LAP JOINTS 2" AND SEAL WITH PLASTIC CEMENT. SECURE FLANGE WITH NAILS SPACED 8" O.C.
- K. APPLY RUBBERIZED ASPHALT/EAVE PROTECTION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- L. EXTEND EAVE PROTECTION MEMBRANE MINIMUM 4' UPSLOPE BEYOND INTERIOR FACE OF EXTERIOR WALL.
- M. PLACE ONE PLY OF UNDERLAYMENT OVER AREA NOT PROTECTED BY EAVE PROTECTION, WITH ENDS AND EDGES WEATHER LAPPED MINIMUM 6". STAGGER END LAPS OF EACH CONSECUTIVE LAYER, NAIL IN PLACE.

SIDING:

- A. HORIZONTAL SIDING - LOW MAINTNANCE**
a. COLOR AS SELECTED FROM MANUFACTURER'S FULL RANGE OF COLORS
- B. ACCESSORIES: PROVIDE COORDINATING ACCESSORIES MADE OF SAME MATERIAL AS REQUIRED FOR COMPLETE AND PROPER INSTALLATION WHETHER OR NOT SPECIFICALLY INDICATED ON DRAWINGS.**
- COLOR: MATCH ADJACENT SIDING OR SOFFIT PANELS.
 - TRIMMER STRIP: SINGLE-ROW NAILING HEM WITH ELONGATED NAILING HOLES 1" SPACED ON 16" ON CENTER, WITH 3/4-INCH BASE PROJECTION.
 - J-CHANNEL TRIM: 7/8-INCHES
 - J-CHANNEL TRIM: WIDE FLANGE.
 - GABLE TRIM: 5-INCHES WIDE.

DOOR HARDWARE:

- A. DOOR LOCKS: KEYED TO MATCH EXISTING KEYING.
- B. INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS OF AWM AND ANSI/FPSA 80.
- C. CONFORM TO ANSI A117.1 FOR POSITIONING REQUIREMENTS FOR THE HANDICAPPED.
- D. PROVIDE ADDITIONAL ITEMS OF HARDWARE WHICH ARE NECESSARY TO MAKE A COMPLETE WORKMANLIKE INSTALLATION EVEN THOUGH SUCH ITEMS ARE NOT SPECIFIED. SUCH MISCELLANEOUS ITEMS SHALL BE EQUAL IN QUALITY TO ITEMS WHICH ARE SPECIFIED.
- E. BUTTS X US260D (HAGAR)
BBE4 BB199
- G. CLOSERS: CE36 4000 SERIES (LCN)
- H. CYLINDER LOCK SETS X US26D (SCHLAGE)
LCR D70PD RHODES
- I. KICK PLATES, 8" HIGH X 2" LDW X US32D (ROCKWOOD)
KP K1050
- J. THRESHOLD (NATIONAL GUARD)
TE 8425
- K. GASKETS (STANLEY)
G 5050
- L. DOOR BOTTOM (NATIONAL GUARD)
DS C607
-
- | <u>SET #1</u> | <u>DOORS EXTERIOR LOCKED</u> |
|---------------|---|
| 1-1/2 PAIR | BUTTS – BBE4 |
| 1 | LOCKSETS – LCR |
| | CLOSERS – CE36 |
| 1 SET | GASKETS – G |
| 1 | DOOR BOTTOM – DS |
| 1 | THRESHOLD – TE |
| 1 | KICK PLATE – KP-1 |
| 1 | 5100-689 12/24 DC FAIL SAFE OR
FAIL SECURE ELECTRIC STRIKE |

TOILET AND BATH ACCESSORIES:

- A. INSTALL WORK IN CONFORMANCE WITH ANSI A1117.1.
- B. MANUFACTURERS: BRADLEY CORPORATION, BOBRICK WASHROOM EQUIPMENT, AMERICAN SPECIALTIES., MCKINNEY PARKER.
- C. INSTALL FIXTURES, ACCESSORIES AND ITEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- D. INSTALL PLUMB AND LEVEL, SECURELY AND RIGIDLY ANCHORED TO SUBSTRATE.
- E. SCHEDULE:
- | <u>ITEM</u> | <u>BRADLEY NUMBER</u> |
|---------------------------|------------------------|
| PAPER TOWEL DISPENSER | (BY OWNER) |
| TOILET TISSUE HOLDER | (BY OWNER) |
| MIRROR | 781-30X42 MINIMUM |
| SOAP DISPENSER | (BY OWNER) |
| GRAB BARS (SIDE) | 8120-001-42 |
| GRAB BARS (BACK OF STALL) | 8120-001-36 |
| GRAB BARS (VERTICAL) | 8120-001-18 |
| BABY CHANGING STATION | 962-11 (SURFACE MOUNT) |

EPOXY FLOORS:

- A. PRIMER – TNEMEC SERIES 66-1255 BEIGE (THINNED 15% BY VOLUME), OR EQUAL.
- B. THINNER – TNEMEC THINNER #41-0004, OR EQUAL.
- C. COATING – TNEMEC SERIES 104-COLOR (UNTHINNED), OR EQUAL.
- D. AGGREGATE – WASHED 24 MESH BLASTING SAND.
- E. SURFACE PREPARATION: ACID ETCH FLOOR AREA USING ENOUGH MURIATIC ACID TO CREATE A ROUGH SANDPAPER FINISH ON THE CONCRETE. AFTER IT IS POWER WASHED, TO REMOVE LATENCE, AFTER POWER WASHING, NEUTRALIZE WITH TSP AND WATER AND THEN RINSE THOROUGHLY AND ALLOW TO DRY COMPLETELY.
- F. COATING APPLICATION: THE FLOOR MUST BE ALLOWED TO DRY COMPLETELY PRIOR TO APPLICATION OF COATING SYSTEM.
- G. ROLL APPLY ONE EVEN COAT OF TNEMEC SERIES 66-1255 BEIGE PRIMER, SPREAD AT A RATE OF 180-190 SQ FT/GALLON. THIS COAT SHALL BE THINNED 15% BY VOLUME, USING TNEMEC THINNER #41-0004. ALLOW 12 HOURS BEFORE RECOATING.
- H. SPRAY APPLY ONE EVEN COAT OF TNEMEC SERIES 104-COLOR (UNTHINNED), TO A MINIMUM DFT OF 10-12 MILS, OR A SPREADING RATE OF 95-100 SQ FT/GALLON.
- I. AFTER 12 HOURS MINIMUM, REPEAT THIS LAST COAT AT A SPREADING RATE OF 120 SQ FT/GALLON.
- J. BROADCAST BY HAND CLEAN 24 MESH BLASTING SAND ONTO THE WET SECOND COAT AND ALLOW TO GET INTO SURFACE.
- K. AFTER ADDITIONAL 12 HOURS MINIMUM THE THIRD COAT SHALL BE REPEATED AT A SPREADING RATE OF 120 SQ FT/GALLON.

PAINTING:

- ACCEPTABLE MANUFACTURERS:
- P.P.G. INDUSTRIES
 - SHERWIN WILLIAMS
 - ICI GLIDDEN & DEVCOE
- B. SURFACE PREPARATION:
- NOTES TO S-W 3 AND 12 REFER TO THE SHERWIN WILLIAMS SYSTEM OF SURFACE PREPARATION SPECIFICATIONS.
 - NOTES TO SSPC-SP# REFER TO STEEL STRUCTURES PAINTING COUNCIL SYSTEM OF SURFACE PREPARATION.
- NOTE: ALL MILS/CT ARE DFT (DRY FILM THICKNESS)
- C. EXTERIOR WORK:
- CONCRETE MASONRY: SURFACE PREP: SW3 OR 12
- 1 COAT SHERWIN WILLIAMS: LOXON BLOCK SURFACER 8.0 MILS/CT
 - 2 COATS SHERWIN WILLIAMS: A-100 EXT (A6 SERIES) LATEX FLAX 1.3 MILS/CT
- FERRUS METAL: SURFACE PREP: SSPC-SP3
- 1 COAT SHERWIN WILLIAMS KROMK METAL PRIMER 2.0 MILS/CT
 - 2 COATS SHERWIN WILLIAMS PRO-INDUSTRIAL DTM ACRYLIC COATING, 2.5-4.0 MILS/CT
- D. INTERIOR WORK:
- FERRUS METAL - ACRYLIC: PREPARATION SSP SP03
- 1 COAT PPG PITT-TECH DTM PRIMER/FINISH (90-712 SERIES) 2 MILS/CT
 - 2 COATS PPG PITT-TECH DTM SEMI-GLOSS ENAMEL (90-374 SERIES) 1.5 MILS/CT
- CONCRETE BLOCK:
- 1 COAT SHERWIN WILLIAMS HEAVY DUTY BLOCK FILLER 8 MILS/CT
 - 2 COATS SHERWIN WILLIAMS PROMAR 200 ALKYD SEMI-GLOSS ENAMEL 1.3 MILS/CT
- E. PAINT AND STAIN COLORS SHALL BE SELECTED BY THE OWNER.
- F. EXTERIOR ITEMS TO RECEIVE PAINT:
- CONCRETE BLOCK
 - METAL DOORS
 - METAL FRAMES
- G. INTERIOR ITEMS TO RECEIVE PAINT:
- METAL DOORS
 - METAL FRAMES
 - OTHER MISC. STEEL.

PLASTIC TOILET COMPARTMENTS:

- A. CONFORM TO ANSI A117.1, AND APPLICABLE CODE FOR PROVISIONS FOR THE PHYSICALLY HANDICAPPED.
- B. SOLID PLASTIC: HIGH DENSITY, SOLID POLYMER RESIN WITH HOMOGENEOUS COLOR THROUGHOUT, PROVIDE MATERIAL NOT LESS THAN 1" THICK WITH SEAMLESS CONSTRUCTION WITH EDGES EASED.
- C. STIRRUP BRACKETS: MANUFACTURER'S STANDARD DESIGN FOR ATTACHING PANELS TO WALLS AND PILASTERS, EITHER CHROMIUM-PLATED NONFERROUS CAST ALLOW ("ZAMAC") OR ANODIZED ALUMINUM.
- D. OVERHEAD BRACING (HUNG FROM CEILING): CONTINUOUS EXTRUDED ALUMINUM ANTIPIRIP PROFILE, WITH CLEAR ANODIZED FINISH. PROVIDE STRUCTURE IN CEILING TO SUPPORT PANELS.
- E. ANCHORAGES AND FASTENERS: MANUFACTURER'S STANDARD EXPOSED FASTENERS OF STAINLESS STEEL, CHROMIUM-PLATED STEEL OR BRASS, FINISHED TO MATCH HARDWARE, WITH THEFT-RESISTANT TYPE HEADS AND NUTS. FOR CONCEALED ANCHORS, USE HOT-DIP GALVANIZED, CADMIUM-PLATED OR OTHER RUST RESISTANT PROTECTIVE COATED STEEL.
- F. FURNISH HARDWARE FOR EACH COMPARTMENT TO COMPLY WITH ADA AND ANSI A117.1 FOR HANDICAPPED ACCESSIBILITY AND AS FOLLOWS:
- HINGES: INTEGRAL HINGE SYSTEM, CUTOUT INSET TYPE, ADJUSTABLE TO HOLD DOOR OPEN AT ANY ANGLE UP TO 90°. PROVIDE GRAVITY TYPE, SPRING ACTION CAM TYPE OR CONCEALED TORSION ROD TYPE TO SUIT MANUFACTURER'S STANDARDS.
 - LATCH AND KEEPER: MANUFACTURER'S STANDARD SURFACE-MOUNTED LATCH UNIT, DESIGNED FOR HANDICAPPED ACCESSIBILITY, WITH COMBINATION RUBBER-FACED DOOR STRIKE AND KEEPER.
 - COAT HOOK: MANUFACTURER'S STANDARD UNIT, COMBINATION HOOK AND RUBBER-TIPPED BUMPER, SIZED TO PREVENT DOOR HITTING MOUNTED ACCESSORIES.
 - DOOR PULL: MANUFACTURER'S STANDARD UNIT FOR OUT-SWINGING DOORS. PROVIDE PULLS ON BOTH FACES OF HANDICAPPED COMPARTMENT DOORS.
- G. DOOR DIMENSIONS: UNLESS OTHERWISE INDICATED, FURNISH 24" WIDE IN-SWINGING DOORS FOR ORDINARY TOILET STALLS AND 36" WIDE (CLEAR OPENING) OUT-SWINGING DOORS FOR STALLS EQUIPPED FOR USE BY HANDICAPPED.
- H. EQUIP EACH TOILET STALL DOOR WITH ONE COAT HOOK AND BUMPER.

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PLUMBING SPECIFICATIONS

GENERAL

1. PROVIDE/INSTALL EVERYTHING NECESSARY FOR THE COMPLETION AND SUCCESSFUL OPERATION OF THE WORK, WHETHER OR NOT HEREIN DEFINITELY SPECIFIED, OR INDICATED ON THE DRAWINGS, SHALL BE FURNISHED AND INSTALLED AS IF SO SPECIFIED OR INDICATED.
- PLUMBING
1. FURNISH AND INSTALL A NEW PLUMBING SYSTEM AS SHOWN ON THE PLANS, IN PERFECT WORKING ORDER TO THE OWNER.
2. INSTALL ALL EQUIPMENT, PIPING, DRAINS, VENTS, HOT AND COLD WATER, ETC., PER STATE AND LOCAL CODES.
3. PAY ALL FEES AND SECURE ALL PERMITS AND LICENSES APPLICABLE TO THIS SECTION OF THE WORK.
4. SEE PLANS AND SCHEDULES FOR EQUIPMENT AND FIXTURES TO BE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR, INCLUDE ALL FIXTURES TO BE ENERGY CONSERVING TYPE PER STATE CODE.
5. THE PLUMBING CONTRACTOR, UNLESS OTHERWISE NOTED ON PLANS, IS REQUIRED TO PROVIDE ALL CUTTING, PATCHING, SEALING, AND FLASHING FOR ANY OPENINGS REQUIRED IN EXISTING WALLS AND FLOORS. THE PLUMBING CONTRACTOR IS REQUIRED TO PROVIDE ROOF PENETRATIONS, PITCH POCKETS, AND ROOF PATCHING FOR PIPE OPENINGS, ALL CUTTING DONE SHALL BE SUBJECT TO THE DIRECTION AND APPROVAL OF THE ENGINEER/ARCHITECT.
6. TEST ALL PIPING SYSTEMS - DISINFECT HOT AND COLD WATER PIPING.
7. ALL ELECTRICAL LINE VOLTAGE WIRING FOR THE ELECTRIC WATER HEATER BY ELECTRICAL CONTRACTOR IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS.
8. SUPPORT ALL PIPING WITH GRINNELL CO. HANGERS WHERE REQUIRED, NO STRAPS, REFER TO WISCONSIN STATE CODE AND LOCAL CODES FOR PVC PIPE SUPPORT REQUIREMENTS.
9. CONNECTIONS TO EXISTING SYSTEMS - CONTRACTOR TO COORDINATE WITH OWNER IN ADVANCE AS TO WHEN CONNECTIONS TO EXISTING PIPING CAN BE MADE WITHOUT INTERFERENCE WITH NECESSARY SYSTEM OPERATION, CONTRACTOR RESPONSIBLE TO DRAIN AND REFILL SYSTEMS AS REQUIRED, PROVIDE ISOLATING VALVES AT ALL NEW CONNECTIONS.
10. PIPING:
 - A. WASTE PIPING
 1. ABOVE GRADE OR FLOOR - PVC SCHEDULE 40 OR CAST IRON
 2. BELOW GRADE - PVC SCHEDULE 40 OR CAST IRON
 - B. VENT PIPING
 1. ABOVE GRADE OR FLOOR - PVC SCHEDULE 40
 2. BELOW GRADE - PVC SCHEDULE 40
 - C. WATER SUPPLY PIPING
 1. ABOVE GRADE OR FLOOR - UPONOR AQUA PEX WHITE STRAIGHT LENGTHS
 2. BELOW GRADE - UPONOR AQUA PEX COIL
 3. PROVIDE - UPONOR PRO PEX RINGS
 4. SUPPORT PIPING PER MANUFACTURER REQUIREMENTS
11. PROVIDE SHOCK ABSORBERS AS REQUIRED AND VALVES, UNIONS, AND COUPLINGS TO ISOLATE EQUIPMENT AND SUPPLY OR DRAIN SYSTEM.
12. PROVIDE SHUT-OFF VALVES AT EACH FIXTURE OR PIECE OF EQUIPMENT.
13. BALL VALVES SHALL BE NIBCO MODEL T585-70-66 OR EQUAL BY "APOLLO".
14. INSULATE ALL PIPING ABOVE GRADE OR FLOOR WITH 1/2" ARMAFLEX CLOSED CELL ELASTOMERIC INSULATION, INSTALLED PER MANUFACTURER REQUIREMENTS.
15. "C" SHOCK ABSORBERS TO BE SOUX CHIEF MODEL 654C.

MECHANICAL SPECIFICATIONS

GENERAL

1. IT IS THE PURPOSE AND INTENT OF THIS SPECIFICATION THAT THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF MECHANICAL SERVICES AS INDICATED TO MAKE THE WORK COMPLETE FOR THE PURPOSE INTENDED.
 2. ALL WORK SHALL COMPLY WITH LOCAL, MUNICIPAL AND STATE CODES.
 3. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) WITH ELECTRICAL CONTRACTOR BEFORE ORDERING ANY EQUIPMENT.
 4. THIS CONTRACTOR SHALL CONFER WITH THE OTHER CONTRACTORS REGARDING LOCATION AND SIZES OF DUCTWORK, PIPING, CONDUIT AND EQUIPMENT IN ORDER THAT THERE MAY BE NO INTERFERENCE BETWEEN INSTALLATIONS AND/OR THE PROGRESS OF THE WORK FOR ANY CONTRACTOR OF THE BUILDING.
 5. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS AND INSPECTIONS FOR ALL WORK COVERED BY THIS CONTRACT. ALL CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE OWNER.
 6. THE CONTRACTOR OR THE MANUFACTURER'S REPRESENTATIVE FOR SPECIFIC EQUIPMENT, AT THE CONTRATOR'S DISCRETION AND EXPENSE, SHALL INSTRUCT OWNER IN THE PROPER OPERATION, MAINTENANCE AND SERVICING OF ALL SYSTEMS, PROVIDE OPERATIONS, MAINTENANCE AND INSTRUCTION MANUALS, INCLUDING INFORMATION OF SPARE PARTS, LUBRICATION SCHEDULE, WIRING DIAGRAMS, ETC., FOR ALL FIXTURES AND EQUIPMENT. UPON COMPLETION OF THE PROJECT AND TWO SETS OF PRINTS OF ACCURATELY MARKED "AS BUILT" DRAWINGS, VERIFY NUMBER OF O&M MANUALS AND AS-BUILT DRAWING SETS REQUIRED WITH OWNER.
 7. THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND REPAIR, WITHOUT COST TO THE OWNER, ANY SUCH DEFECTS WITHIN (1) YEAR TO DATE, AFTER FINAL ACCEPTANCE OF THE BUILDING BY THE ENGINEER AND OWNER. CONTRACTOR SHALL ALSO GUARANTEE THAT ALL WORKMANSHIP IS OF HIGH QUALITY AND THAT ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT FULFILLS THE REQUIREMENTS OF THE SPECIFICATIONS.
 8. THIS CONTRACTOR SHALL PROVIDE MATERIALS AND INSTALLATION THAT COMPLY WITH LATEST CODES, LAWS AND ORDINANCES OF FEDERAL, STATE AND LOCAL GOVERNING BODIES HAVING JURISDICTION, ARRANGE AND PREPARE FOR ALL APPROPRIATE FEES FOR TEST AND INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION, CONTRACTOR SHALL PAY FOR PERMITS AND INSPECTIONS.
 9. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ ENGINEER OF ANY MATERIALS OR APPARATUS BELIEVED TO BE INADEQUATE, UNSUITABLE, IN VIOLATION OF LAWS, ORDINANCES, RULES OR REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
 10. PRIOR TO ROUGHING IN ANY MECHANICAL WORK AND ORDERING EQUIPMENT, SUBMIT DRAWINGS TO LOCAL AUTHORITIES FOR REVIEW AND APPROVAL, CONTRACTOR SHALL NOT ORDER ANY EQUIPMENT PRIOR TO SECURING APPROVAL OF RELATED DRAWINGS FROM LOCAL AUTHORITIES.
- EQUIPMENT**
1. ROOF MOUNTED EXHAUST FANS SHALL BE PROVIDED WITH BUG SCREEN AND BACK DRAFT DAMPERS UNLESS SPECIFIED DIFFERENTLY ON THE SCHEDULE.
 2. ALL ROOF FANS TO COME WITH A STANDARD 16 INCH CURB UNLESS OTHERWISE SPECIFIED ON THE SCHEDULE.
 3. ALL UNIT HEATERS TO BE MOUNTED FROM THE BOTTOM OF THE UNIT TO A MINIMUM OF 7 FEET ABOVE FINISHED FLOOR.

SYSTEMS

1. ALL DUCTWORK CONSTRUCTION AND INSTALLATION SHALL CONFORM TO LATEST ASHRAE AND SMACNA CONSTRUCTION STANDARDS, ALL DUCTWORK SHALL BE LOW PRESSURE DUCTWORK CONSTRUCTION FOR STATIC PRESSURE UP TO 2" W.C. AND 2,000 FPM WITH CLASS "B" SEALS.
2. ALL MATERIALS SHALL COMPLY WITH NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS.
3. BALANCING DAMPERS SHALL BE EQUAL TO GREENHECK MODLE MBD (RECTANGULAR) AND RBD (ROUND), DAMPERS WITH CONCEALED REGULATORS SHALL BE PROVIDED WITH YOUNG SERIES 300 REMOTE OPERATORS WITH COVER PLATES.
4. REGISTERS, GRILLES AND DIFFUSERS OF THE SIZES AND TYPES NOTED ON THE DRAWINGS SHALL BE FURNISHED WITH OPPOSED BLADE DAMPERS, UNITS SHALL BE MANUFACTURED BY TITUS, NAILOR OR PRICE, VERIFY EXACT LOCATION OF ALL GRILLES, REGISTERS AND DIFFUSERS WITH OWNER'S REPRESENTATIVE AND REFLECTED CEILING PLAN, WHERE APPLICABLE, PRIOR TO INSTALLATION.
5. CONSTRUCT TEES, BENDS AND ELBOWS WITH A TURNING RADIUS OF ONE DUCT WIDTH, AT THE CENTERLINE, MINIMUM, MITERED ELBOWS SHALL HAVE DOUBLE WIDTH AIRFOIL TURNING VANES PER SMACNA STANDARDS.
6. DUCT DIMENSIONS SHOWN ON THE DRAWINGS ARE NOT ABSOLUTE, BUT ANY CHANGE FROM DRAWINGS SHALL BE SUBJECT TO ENGINEER'S REVIEW, ALL CHANGES OR TRANSITIONS IN SHAPES SHALL BE DONE WITH LONG SLANTS NOT TO EXCEED 24" ANGLE FROM CENTERLINE, EQUIVALENT AREAS SHALL BE MAINTAINED FOR ALL CHANGES IN SHAPE OF DUCTWORK, CHANGES IN DUCT AREA FROM DRAWINGS MAY BE SUBJECT TO REVISION AT THE CONTRACTOR'S EXPENSE, UNLESS SPECIFICALLY REVIEWED BY THE ENGINEER.
7. ALL CHANGES IN DUCT SHAPE FROM ROUND OR OVAL DUCT TO SQUARE OR RECTANGULAR DUCT SHALL BE MADE WITH SMOOTH TAPERED TRANSITIONS, DIRECT CONNECTION OF ROUND AND SQUARE DUCTWORK WILL NOT BE ACCEPTED.
8. ALL FLEX DUCT TO BE A MAXIMUM OF 5 FEET LONG AND ALL CONNECTIONS TO DIFFUSERS AND GRILLES SHALL BE MADE WITH A 90 DEG METAL ELBOW. DIRECT CONNECTING OF FLEX TO A DIFFUSERS IS NOT ALLOWED.
9. ALL BRANCH DUCT TAKE-OFF CONNECTIONS SHALL BE MADE WITH ENLARGED ENTRANCE, LOW LOSS FITTINGS.
10. SEAL ALL DUCTWORK TO THE SEALANT CLASS AS OUTLINED IN 2.1. DUCTWORK SHALL BE SEALED SUCH THAT OVEALL SYSTEM LEAKAGE DOES NOT EXCEED 5% OF SYSTEM CAPACITY.
11. PROVIDE DUCT HANGERS AND REINFORCEMENT AS REQUIRED TO MEET SMACNA STANDARDS, WHERE EXCESSIVE PULSATIONS OR MOVEMENT OF DUCTWORK IS OBSERVED, ADDITIONAL HANGER AND STIFFENERS SHALL BE ADDED AS DIRECTED.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY RISES AND DROPS IN DUCTWORK TO SATISFY FIELD CONDITIONS, VERIFY IN THE FIELD BEFORE DUCT FABRICATION.
13. UPON COMPLETION OF INSTALLATION OF VENTILATION DUCTS, CLEAN ENTIRE SYSTEM OF RUBBISH, PLASTER, DIRT, ETC. BEFORE INSTALLING GRILLES, REGISTES OR DIFFUSERS.
14. PROVIDE DUCT LABELS ON ANY/ ALL DUCTWORK THROUGHOUT PROJECT, DUCT LABELS SHALL INCLUDE INDICATION OF SERVICE, DUCT SIZE AND DIRECTION OF FLOW, LABELS SHALL BE SELF-ADHESIVE AND COLOR CODED.
15. ALL CONCEALED SUPPLY AND OUTSIDE AIR INTAKE DUCTWORK SHALL BE WRAPPED WITH A MINERAL FIBER BLANKET WITH A MINIMUM R-VALUE OF 6 AND A FOIL BACKED ALL SERVICE JACKET, RETURN AND EXHAUST DUCTWORK DOES NOT REQUIRE INSULATION.

INSULATION REQUIREMENTS

1. DUCT INSULATION MARKINGS: MUST HAVE A R-VALUE, INSTALLED THICKNESS, FLAME SPREAD RATING AND SMOKE DEVELOPMENT INDEX EVERY 36" AT A MINIMUM.
2. DUCT INSULATION PER TYPE OF EXPOSURE:
3. NOTE REQUIRED WITH A TEMPERATURE DIFFERENCE LESS THAN 15° FAHRENHEIT. INSTALL PER STATE OF WISCONSIN SAFETY CODE SPS 503.2.7.
 - * MINIMUM MANUFACTURER'S INSTALLED RATING OF R-5 REQUIRED WHEN SA, TA OR RA DUCTS ARE LOCATED WITHIN UNCONDITIONED SPACE (I.E. ATTIC),
 - * MINIMUM MANUFACTURER'S INSTALLED RATING OF R-8 REQUIRED WHEN SA OR RA DUCTS ARE LOCATED OUTSIDE OF THE BUILDING'S THERMAL ENVELOPE.
 - * ALL EXHAUST DUCTWORK THAT IS EXPOSED TO THE OUTSIDE MUST BE INSULATED WITH A R-5 IF INSULATION IS WITHIN 5 FEET OF EXITING THE BUILDING.
 - * DUCT DIMENSION LISTED ON DRAWINGS ARE SIZED FOR INSIDE FREE AREA, IF LINER IS USED THE DUCTWORK MUST BE INCREASED TO ACCOUT FOR THE CUT LINING THICKNESS.
4. HOT AND CHILLED WATER PIPING INSULATION:
 - * REQUIRED IF THE FLUID TEMPERATURE IS GREATER THAN 105° FAHRENHEIT.
 - * REQUIRED IF THE FLUID TEMPERATURE IS LESS THAN 55° FAHRENHEIT.
5. SUPPLY AND RETURN DUCTWORK INSULATION:
 - * THE FIRST 10 FEET OF SUPPLY AND RETURN DUCTWORK MUST BE LINED WITH 1" INSULATION
6. FOR NOISE CONTROL, THE BALANCE OF DUCTWORK SHALL BE WRAPPED, STEEL DUCTWORK THAT REQUIRES INSULATION SHALL CONFORM WITH ALL APPLICABLE CODES AND SHALL MEAT SMACNA OR ASHRAE STANDARDS.

DUCT SEALING REQUIREMENTS

1. LOW PRESSURE DUCTWORK:
2. DUCTWORK SHALL BE GALVANIZED STEEL UNLESS OTHERWISE SPECIFIED.
3. DUCTWORK SEAMS AND JOINTS TO BE SECURELY FASTENED AND SEALED, THIS SYSTEM IS TO BE INSTALLED FOR A LOW PRESSURE (LESS THAN 2" WG) CONSTRUCTION STANDARD AS SPECIFIED IN SMACNA STANDARDS.
4. ALL DUCT INSTALLATION SHALL CONFORM TO ASHRAE AND SMACNA STANDARDS IN REGARDS TO THE INSTALLATION METHOD AND IS NOT LIMITED TO JUST DUCT GAUGE SIZING.
5. ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS OF SUPPLY, RETURN AND EXHAUST DUCTS OPERATING AT A STATIC PRESSURE LESS THAN OR EQUAL TO 2" WG SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS OR MASTICS.
6. MASTIC PLUS-EMBEDDED-FABRIC SYSTEMS OR TAPES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, PRESSURE CLASSIFICATIONS SPECIFIC TO THE DUCT SYSTEM SHALL BE CLEARLY INDICATED AND THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.
7. TAPES AND MASTICS USED TO SEAL DUCTWORK SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A AND SHALL BE MARKED "181-P" FOR PRESSURE SENSITIVE TAPE, "181 A-M" FOR MASTIC OR "181 A-H" FOR HEAT SENSITIVE TAPE.

TESTING, ADJUSTING AND BALANCING

1. FINAL INSPECTION AND TESTS SHALL BE MADE IN THE PRESENCE OF THE OWNER, BY THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION, EACH CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSTRUMENTS AND MISCELLANEOUS EQUIPMENT REQUIRED.
2. THE CONTRACTOR SHALL HIRE AND INDEPENDENT CERTIFIED AIR BALANCER WHO SHALL BE A MEMBER OF NEBB OR AABC TO COMPLETELY TEST, ADJUST AND BALANCE AIR SYSTEMS AS REQUIRED.
3. AIR BALANCER SHALL SUBMIT A PROJECT CERTIFICATION GUARANTEE AND CERTIFIED BALANCE REPORT USING NEBB OR AABC FORMS PROVIDED TO THE ENGINEER FOR REVIEW.
4. TEST AND BALANCE AGENCY SHALL INCLUDE AN EXTENDED WARRANTY OF 90 DAYS, AFTER COMPLETION OF TEST AND BALANCE WORK, DURING WHICH TIME THE OWNER AT THEIR DISCRETION, MAY REQUEST A RECHECK OR RESETTING OF ANY OUTLET OR INLET, SUPPLY, RETURN OR EXHAUST AIR FANS AS LISTED IN TEST REPORT, THE AGENCY SHALL PROVIDE TECHNICIANS TO ASSIST THE OWNER IN MAKING ANY TESTS THEY MAY REQUIRE DURING THIS PERIOD OF TIME.
5. ACCURATELY RECORD ACTUAL LOCATIONS OF FLOW MEASURING STATIONS, BALANCING VALVES AND ROUGH SETTING.
6. BEFORE COMMENCING WORK, VERIFY THAT SYSTEMS ARE COMPLETE AND OPERABLE.
7. REPORT ANY DEFECTS OR DEFICIENCIES NOTED DURING PERFORMANCE OF SERVICES TO ENGINEER OR OWNER.
8. PROMPTLY REPORT ABNORMAL CONDITIONS IN MECHANICAL SYSTEMS OR CONDITIONS WHICH PREVENT SYSTEM BALANCE TO ENGINEER OR OWNER.
9. ADJUST AIR HANDLING SYSTEMS TO PLUS OR MINUS 5% FOR SUPPLY SYSTEMS AND PLUS OR MINUS 10% FOR RETURN AND EXHAUST SYSTEMS FROM FIGURES INDICATED.
10. ADJUST RETURN FANS FOR INCREASED TOTAL PRESSURE DUE TO INCREASED STATIC PRESSURE DROPS THROUGH NEW FILTER BANKS AND DUE TO INCREASED EXHAUST DUCTWORK PRESSURE DROPS.
11. COORDINATE WITH MECHANICAL CONTRACTOR AND REPLACE ANY BELTS OR SHEAVES AS NECESSARY TO ACCOMPLISH REQUIRED CFM INDICATED IN CONTRACT DOCUMENTS.

CONTROLS REQUIREMENTS:

1. UNIT HEATERS ARE TO OPERATE WHEN ROOM THERMOSTAT ARE SWITCHED TO HEATING AND SHALL CONTINUE TO OPERATE UNTIL THE ROOM TEMPERATURE SET PIONT HAS BEEN REACHED.
2. NOTE, THE UNIT HEATERS IN THE BATHROOMS ARE TO COME ON WHEN THE ROOM THERMOSTATS ARE IN HEATING MODE AND THE THERMOSTAT SET POINT HAS BEEN REACHED.
3. BATHROOM ROOF FAN IS TO OPERATE WHEN THE LIGHT SWITCH IS TURNED ON, EITHER THE MEN'S OR WOMEN'S BATHROOM.
4. THE FAN ABOVE THE JANITOR CLOSET IS TO COME ON WHEN THE COMBO WALL FAN/LIGHT SWITCH IS TURNED ON.
5. THE STORAGE GARAGE EXHAUST FAN (EF-1) IS TO ENERGIZED AND THE WALL LOUVER (L-1) MOD IS TO OPEN WHENEVER THE ROOM TEMPERATURE NEAR THE CEILING RISES ABOVE 90 DEG F.

PLUMBING FIXTURE SCHEDULE (BASIS OF DESIGN)

TAG	TYPE	MOUNTING	MANUFACTURER	MODEL NUMBER	WATER USAGE	DRAINAGE FIXTURE UNITS (DFU)	WATER SUPPLY FIXTURE UNITS (DFU)			DESCRIPTION	REMARKS
							HOT	COLD	TOTAL		
WC-1	WATER CLOSET (ACCESSIBLE)	FLOOR SET BACK OUTLET	KOHLER	K-96057-B	1.6 GPF	6	NOT APPLICABLE	6.5	6.5	ELONGATED BOWL, ADA COMPLIANT, 1 1/2" TOP SPUD, SOLID PLASTIC OPEN FRONT SEAT, KOHLER WALL HUNG, MANUAL FLUSH VALVE.	16 5/8" TO BOWL RIM.
UR-1	URINAL (ACCESSIBLE)	WALL MOUNT	KOHLER	K-4991-ETSS	.125 GPF	2	NOT APPLICABLE	2	2	WHITE WASHOUT URINAL WITH KOHLER K-10949-SV FLUSH VALVE.	17" TO RIM AFF.
L-1	LAVATORY	SELF-RIMMING	KOHLER	K-2196-4	0.5 GPF	1	0.5	0.5	1	OVAl WHITE BASIN, OVERFLOW DRAIN, K-8998 P-TRAP, OPEN GRID STRAINER, TAILPIECE, FAUCET AUTO ON/OFF (HARD WIRE ELECTRIC)	
MB-1	MOP BASIN	FLOOR	MUSTEE	63M	5.0 GPM (ESTIMATED)	3	2.0	2.0	3.0	ONE-PIECE MOLDED STONE, 24" x 24" x 10", WITH STAINLESS STEEL DRAIN AND REMOVABLE STRAINER, #65,700 HOSE AND HOSE BRACKET, CHICAGO FAUCET'S 7824-SXKCP FAUCET.	WITH HOSE END VACUUM BREAKER.
FD-1	FLOOR DRAIN	FLOOR	ZURN	Z507-VP	NOT APPLICABLE	SEE PLAN FOR SIZE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	7" DIAMETER, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, SEEPAGE PAN, CAST IRON SLOTTED GRATE.	
HB-1	HOSE BIBB	WALL	WOODFORD	84	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	4.0	4.0	ANTI-SIPHON, AUTOMATIC DRAINING, QUARTER TURN, INTEGRAL VACUUM BREAKER, ALL BRONZE INTERIOR PARTS, KEY OPERATED AND 3/4" SOLDER INLET.	MOUNT 18" ABOVE FINISH GRADE.
OB-1	WATER BOX	WALL	SHOux CHIEF	696-G1011	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	1/4 TURN BALL VALVE WITH 3/8" COMPRESSION OUTLET AND 1/2" SUPPLY CONNECTION, " MINI-RESTER" WATER HAMMER, ABS SUPPLY BOX, FRAME, DEBRIS COVER, AND GALVANIZED STEEL BRACKET.	
FCO	FINISH FLOOR CLEANOUT	FLOOR	SHOux CHIEF	FINISH LINE ADJUSTABLE 834 SERIES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	CAST IRON BODY WITH ADJUSTABLE ROUND NCKEL BRONZE TOP.	POLISH TOP AFTER INSTALLATION.
EWH-1	ELECTRIC WATER HEATER	FLOOR	RHEEM	PRO E40 T2 RH95 EC1	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	40 GALLON ELECTRIC, 4500 WATT ELEMENT, 240 VOLT/1 PHASE.	T & P RELIEF VALVE TO BE PIPED TO FLOOR.
BFP-1	BACKFLOW PREVENTER	WALL	ZURN	(1 1/2") 375XL-AG						REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER w/ AIR GAP.	
ALL PLUMBING FIXTURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.											

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DESIGN	DATE	BY	CHECKED	DATE	BY

LEGION PARK RESTROOM

CITY OF DE PERE

1212 CHARLES ST., DE PERE WI 54115

OUTLINE SPECIFICATIONS

DESIGNED

KJC

DRAWN

KJC

PROJECT NO.

D0005 6-20-00120

DATE

MAY 13, 2020

SHEET NO.

A003

EARTHWORK

- A. PROTECTION OF EXISTING SERVICE LINES AND UTILITY STRUCTURES: THE EXISTING SERVICE LINES AND UTILITY STRUCTURES SHOWN OR INDICATED ON THE DRAWINGS OR ABOVE GRADE, THE LOCATION OF WHICH IS KNOWN TO THE CONTRACTOR PRIOR TO EXCAVATION OR CONSTRUCTION GRADING OPERATIONS, AND IF DAMAGED, SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. ANY EXISTING LINE OR UTILITY STRUCTURE WHICH IS NOT SHOWN ON THE DRAWINGS, OR THE LOCATION OF WHICH IS NOT KNOWN TO THE CONTRACTOR IN SUFFICIENT TIME TO AVOID DAMAGE, IF INADVERTENTLY DAMAGED, SHALL BE REPAIRED BY THE CONTRACTOR, AND AN ADJUSTMENT IN PAYMENT WILL BE MADE BY THE OWNER AT RATES DETERMINED AND APPROVED BY THE ARCHITECT-ENGINEER.
- B. EROSION CONTROL: TAKE MEASURES, SUCH AS FILTER DAMS TO PREVENT DAMAGE FROM EROSION OF FRESHLY GRADED AREAS, THIS SHALL APPLY TO DAMAGE OF NEWLY GRADED AREAS WITHIN CONSTRUCTION LIMITS AND DAMAGE TO ADJACENT PROPERTIES BY ERODED MATERIALS.
- C. SUBSOIL TYPE S1: EXCAVATED AND RE-USED MATERIAL, GRADED, FREE OF LUMPS LARGER THAN 3", ROCKS LARGER THAN 2", FROZEN MATERIAL, ROOTS AND ORGANIC MATERIALS, AND DEBRIS, CONFORMING TO ASTM D2487 GROUP SYMBOL CL SC.
- D. TOPSOIL TYPE S4: EXCAVATED AND REUSED MATERIAL, GRADED, FREE OF ROOTS, ROCKS LARGER THAN ½", SUBSOIL, DEBRIS, LARGE WEEDS AND FOREIGN MATTER, CONFORMING TO ASTM D2487 GROUP SYMBOL OH, OL.
- E. FINE AGGREGATE TYPE A5 (SAND): NATURAL RIVER OR BANK SAND; FREE OF SILT, CLAY, LOAM, FRAGILE OR SOLUBLE MATERIALS; AND ORGANIZE MATTER; GRADED IN ACCORDANCE WITH ASTM D2487 GROUP SYMBOL SW SC; WITH THE FOLLOWING LIMITS:
SIEVE SIZE PERCENT PASSING
NO. 4 100
NO. 40 75-100
NO. 100 10-50
NO. 200 5-15
- F. SILT FENCE FOR SEDIMENTATION CONTROL: TENAX – SILT FENCE
- G. TESTS AND ANALYSIS OF SOIL MATERIAL WILL BE PERFORMED IN ACCORDANCE WITH ASTM D1556, D2167, D6938, ASTM C136 ASTM D4318 ASTM D2487.
- H. EVALUATE RESULTS IN ACCORDANCE WITH ANSI/ASTM D1557.
- I. CUT OUT SOFT AREAS OF SUBGRADE NOT CAPABLE OF IN SITU COMPACTION. BACKFILL WITH TYPE A-5 FILL AND COMPACT TO DENSITY EQUAL TO OR GREATER THAN REQUIREMENTS FOR SUBSEQUENT FILL MATERIAL.
- J. PROOF ROLL SUBGRADE SURFACE TO A DEPTH OF 6" TO IDENTIFY SOFT SPOTS: FILL AND COMPACT TO DENSITY EQUAL TO OR GREATER THAN REQUIREMENTS FOR SUBSEQUENT FILL MATERIAL.
- K. MACHINE SLOPE BANKS TO ANGLE OF REPOSE OR LESS, UNTIL SHORED.
- L. DO NOT INTERFERE WITH 45° BEARING SPLAY OF FOUNDATION.
- M. MAINTAIN OPTIMUM MOISTURE CONTENT OF FILL MATERIALS TO ATTAIN REQUIRED COMPACTION DENSITY.
- N. WET OR DRY FILL AND BACKFILL BY AERATION AND THEN COMPACT TO AT LEAST THE FOLLOWING PERCENTAGE OF MAXIMUM DENSITY, AT A MOISTURE CONTENT WITHIN THE LIMITS SPECIFIED ABOVE OR BELOW OPTIMUM MOISTURE CONTENT, AS DETERMINED BY TEST PROCEDURE ASTM 3017.
- O. PLACE AGGREGATE IN MAXIMUM 8" LAYERS AND ROLLER COMPACT.
- P. ADD WATER TO ASSIST COMPACTION. IF EXCESS WATER IS APPARENT, REMOVE AGGREGATE AND AERATE TO REDUCE MOISTURE CONTENT.
- Q. COMPACTION TESTING WILL BE PERFORMED IN ACCORDANCE WITH ANSI/ASTM D1556 AND ANSI-ASTM D1557.
- R. IF TESTS INDICATE WORK DOES NOT MEET SPECIFIED REQUIREMENTS, REMOVE WORK, REPLACE AND RETEST.
- S. PROOF ROLL COMPACTED FILL SURFACES UNDER SLABS-ON-GRADE AND PAVING. PROOF ROLL WITH A LOADED DUMP TRUCK.
- T. TOPSOIL FILL: TYPE S-4 MINIMUM 6", NO COMPACTION.
- U. FILL UNDER BUILDING PAD:
• FILL TYPE A-1 TO 6" THICK, COMPACTION TO 95%
• FILL OVER EXCAVATION: TYPE A-5, 8" LIFTS, COMPACTED TO 95%
- V. FILL UNDER CONCRETE PAVING:
• REMOVE TOPSOIL AND EXCAVATE TO REQUIRED GRADE.
• SCARIFY AND COMPACT SUBSOIL TO 95% OF ITS MAXIMUM DRY DENSITY.
• FILL TYPE A-1, 6" THICK COMPACTED TO 95%.
• 8" CONCRETE.

SEEDING

- A. SEED MIXTURE: PROPORTION PURITY GERMINATION
KENTUCKY BLUE GRASS 70% 85% 80%
CREEPING RED FESCUE GRASS 20% 97% 80%
NORLEA PERENNIAL RYE 10% 97% 90%
- B. MULCHING MATERIAL: OAT OR WHEAT STRAW, FREE FROM WEEDS, FOREIGN MATTER DETRIMENTAL TO PLANT LIFE, AND DRY. HAY OR CHOPPED CORNSTALKS ARE NOT ACCEPTABLE.
- C. FERTILIZER: FS O-F-241, TYPE I, GRADE A; RECOMMENDED FOR GRASS, WITH 50% OF THE ELEMENTS DERIVED FROM ORGANIC SOURCES; OF PROPORTION NECESSARY TO ELIMINATE ANY DEFICIENCIES OF TOPSOIL, AS INDICATED IN ANALYSIS TO THE FOLLOWING PROPORTIONS: NITROGEN 10%, PHOSPHORIC ACID 5%, SOLUBLE POTASH 5%.
- D. SOIL EROSION BLANKETS: BIODEGRADABLE EROSION CONTROL BLANKETS FOR SLOPES GREATER THAN 20%.
AMERICAN EXCELSIOR: CURLEX
NORTH AMERICAN GREEN: BIONET S75BN
- E. PREPARE SUB-SOIL TO ELIMINATE UNEVEN AREAS AND LOW SPOTS, MAINTAIN LINES, LEVELS, PROFILES AND CONTOURS, MAKE CHANGES IN GRADE GRADUAL, BLEND SLOPES INTO LEVEL AREAS.
- F. REMOVE FOREIGN MATERIALS AND STONES TO ½" DIAMETER, WEEDS AND UNDESIRABLE PLANTS AND THEIR ROOTS, REMOVE CONTAMINATED SUB-SOIL.
- G. APPLY FERTILIZER AT A RATE OF 20 LBS/1000 SQ FT.
- H. APPLY SEED AT A RATE OF 5 LBS/1000 SQ FT EVENLY IN TWO INTERSECTION DIRECTIONS. RAKE IN LIGHTLY.
- I. IMMEDIATELY FOLLOWING SEEDING, APPLY MULCH TO A THICKNESS OF ¼". MAINTAIN CLEAR OF SHRUBS AND TREES.
- J. COVER SEEDED SLOPES WHERE GRADE IS 4"/FOOT OR GREATER WITH EROSION FABRIC. ROLL FABRIC ONTO SLOPES WITHOUT STRETCHING OR PULLING.
- K. LAY FABRIC SMOOTHLY ON SURFACE, BURY TOP END OF EACH SECTION IN 6" DEEP EXCAVATED TOPSOIL TRENCH. PROVIDE 12" OVERLAP OF ADJACENT ROLLS. BACKFILL TRENCH AND RAKE SMOOTH, LEVEL WITH ADJACENT SOIL.
- L. CONTROL GROWTH OF WEEDS. APPLY HERBICIDES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, REMEDY DAMAGE RESULTING FROM IMPROPER USE OF HERBICIDES.

ELECTRICAL

COORDINATION

1. E.C. SHALL BE RESPONSIBLE FOR COORDINATING THE ELECTRICAL WORK WITH CONTRACTORS OF OTHER TRADES.
2. CAREFULLY REVIEW THE FINAL EQUIPMENT LAYOUT. DO NOT ROUGH-IN ANY ELECTRICAL EQUIPMENT WITHOUT FIRST COORDINATING THE LATEST SET OF EQUIPMENT LAYOUT PLANS.
3. VERIFY THE LOCATION OF ALL DEVICES PRIOR TO ROUGH-IN.
4. FOR ALL CONTROL PANELS AND FIELD DEVICES, VERIFY ACTUAL FIELD WIRING REQUIRED PRIOR TO START OF ROUGH-IN. REVIEW SUBMITTAL DRAWINGS OF ALL EQUIPMENT TO BE WIRED.
5. IN CASE OF INTERFERENCE BETWEEN ELECTRICAL EQUIPMENT SHOWN ON THE DRAWINGS AND THE OTHER EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE FIELD REPRESENTATIVE IN WRITING AND THE ENGINEER SHALL REVIEW THE PROPOSED CHANGES BEFORE THEY ARE MADE.

CONDUCTORS AND CABLE

1. EVERY WIRE/CABLE SHALL BE MARKED AT BOTH ENDS IN ALL JUNCTION BOXES, TERMINAL BOXES, AND FINAL DESTINATION EQUIPMENT. USE PRINTED HEAT SHRINK SLEEVE TYPE MARKERS, HAND MARKING IS NOT ACCEPTABLE. VERIFY WITH ENGINEER WHAT THE IDENTIFICATION SHALL BE IF NOT DESCRIBED WITHIN THESE DRAWINGS.
2. E.C. SHALL TERMINATE ALL CONDUCTORS INDICATED IN DRAWINGS, UNLESS OTHERWISE NOTED.
3. A 24" SEPARATION SHALL BE MAINTAINED BETWEEN INSTRUMENT, CONTROL, AND COMMUNICATION CABLES AND A.C. CABLES, IF CONDUITS MUST BE RUN PROXIMATE TO EACH OTHER, RIGID STEEL CONDUIT SHALL BE USED FOR THE LOW VOLTAGE CABLE.
4. ALL DATA CABLES SHALL INCLUDE ENDS, BY CONTRACTOR.

GROUNDING

1. ALL METALLIC STRUCTURES, METALLIC ENCLOSURES, AND ELECTRICAL EQUIPMENT SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED AND GROUND CONNECTIONS SHALL BE MADE TO THE PLANT GROUND GRID. THE GROUND CONDUCTOR SHALL BE SIZED PER N.E.C. UNLESS OTHERWISE SHOWN.
2. GROUNDING CONDUCTORS STUB-UPS AND INSERT LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS IN FIELD, WITH ENGINEER. ALL GROUND GRID CONDUCTORS SHALL BE #4/0 SIZE UNLESS OTHERWISE NOTED.
3. ALL GROUNDING GRID CONDUCTORS SHALL BE A MINIMUM OF 36" BELOW GRADE EXCEPT UNDER BUILDING SLAB WHEN THEY SHALL BE A MINIMUM OF 6" BELOW SLAB.

RACEWAYS AND BOXES

1. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CUTTING/CORING ANY OPENINGS THROUGH CONCRETE, PRECAST OR MASONRY WALLS AND FLOORS, AS NEEDED, FOR CONDUIT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL TOUCH-UP PATCHING AROUND THE OPENINGS AND ALL CLEAN-UP OF STAINS, DEBRIS, DAMAGE, ETC., ON WALLS AND FLOORS BELOW TO RESTORE ALL SURFACES TO THEIR ORIGINAL CONDITION.
2. CONDUIT FITTINGS AND SUPPORTS ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL FURNISH ALL SUPPORT CHANNELS, CLAMPS, HARDWARE, ETC. MATERIAL TO BE SUITABLE FOR THE AREA IN WHICH THEY ARE INSTALLED.
3. THE E.C. SHALL BE RESPONSIBLE FOR PROVIDING ALL SLEEVES AND OPENINGS REQUIRED FOR THE PASSAGE OF ELECTRICAL RACEWAYS OR CABLES.
4. UNDERGROUND CONDUITS SHALL BE BURIED A MINIMUM OF 36" BELOW GRADE. U.O.N. WARNING MARKER TAPE SHALL BE LAID IN TRENCHES AND GROUND SYSTEM TRENCHES A MINIMUM OF 12" ABOVE CONDUIT. ALL UNDERGROUND CONDUIT RUNS SHALL BE WITH LONG RADIUS SWEEP BENDS. THE MINIMUM BENDING RADIUS SHALL BE 12 TIMES NOMINAL DIAMETER OF THE CONDUIT.
5. THE MINIMUM SIZE OF CONDUITS INSTALLED BELOW GRADE SHALL BE 1", UNLESS OTHERWISE NOTED.
6. THE MINIMUM SIZE OF CONDUIT INSTALLED ABOVE GRADE SHALL BE ¾", UNLESS OTHERWISE NOTED.
7. ALL CONDUITS SHALL FOLLOW WALLS, COLUMNS, OR HANDRAILS OR BE IN APPROVED TRAPEZE HANGERS PARALLELING MECHANICAL RUNS.
8. ALL INTRINSICALLY SAFE CIRCUITS SHALL BE RUN IN CONDUITS SEPARATE FROM NON-INTRINSICALLY SAFE CIRCUITS.
9. IMMEDIATELY UPON AWARD OF THE CONTRACT, THE E.C. SHALL ASSUME RESPONSIBILITY FOR COORDINATION, PLACEMENT, AND COSTS FOR SLEEVES, CORES, AND BOX-OUTS REQUIRED FOR TRAY AND CONDUIT PENETRATIONS THROUGH CONCRETE, BLOCK, PRECAST, AND STEEL WALLS AND ROOFS.
10. DO NOT INSTALL ALUMINUM CONDUITS, BOXES, OR FITTING IN CONTACT WITH CONCRETE OR EARTH.
11. ARRANGE STUB-UPS SO CURVED PORTIONS OF BENDS ARE NOT VISIBLE ABOVE FINISHED SLAB.
12. INSTALL NO MORE THAN THE EQUIVALENT OF THREE 90-DEGREE BENDS IN ANY CONDUIT RUN.
13. INSTALL SLEEVES AND SLEEVE SEALS AT PENETRATIONS OF EXTERIOR FLOOR AND WALL ASSEMBLIES.
14. INSTALL FIRESTOPPING AT PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES.

LIGHT FIXTURE SCHEDULE (BASIS OF DESIGN)

TYPE	MFR. (NOTE 2)	CATALOG NUMBER	LAMP	LUMENS	ELECTRICAL		FIXTURE	
			TYPE		INPUT WATT	INPUT VOLT	MOUNTING	DESCRIPTION
F1	COOPER	4ST2L4040R	LED	4400	39	UNIV	SURFACE	LED STRIP W/ LENS
	METALUX		4000K					0-10V DIMMING CLASS 1
F2	COOPER	HVSL4 4 LD4 1 LO 40 UNV O EDD 1	LED	2600	25	UNIV	WALL ABOVE MIRRORS	4' X 4" HIGH ABUSE WRAP
	FAIL-SAFE		4000K					0-10V DIMMING CLASS 1
F3	COOPER	HVSL12 4 LD4 2 LO 40 UNV O EDD 1	LED	5,000	47.1	UNIV	SURFACE CEILING	4' X 12" HIGH ABUSE WRAP
	FAIL-SAFE		4000K					0-10V DIMMING CLASS 1
S1	SPI	L127W 4000K DF_IND PT32	LED	12000	127	UNIV	WALL 9'-0" AFG	INDIRECT OUTDOOR ASYMMETRIC WALL SCONCE
			4000K					0-10V DIMMING CLASS 1
S2	COOPER	XTOR1B BZ PC1	LED	1400	12	120V	WALL, 8'-0" AFG	EXTERIOR WALL SCONCE, INTEGRAL PHOTOCELL
	LUMARK		4000K					
S3	COOPER	GWC-AF-02-LED-E1-T4FT-BZ-MS/DIM-L20	LED	8,200	113	UNIV	WALL	EXTERIOR WALL MOUNT AREA LIGHT - FORWARD THROW OPTICS
	MCGRAW-EDISON		4000K					PHOTOCELL / MOTION SENSOR DIMMING PROVIDE WITH WIRELESS CONFIGURATION TOOL
E1	COOPER	AEL2 46 WH SD	LED		2	UNIV	WALL 8'-0" AFF	WET LOCATION EMERGENCY BATTERY LIGHT
	SURE-LITES							-22 F TO 122 F SELF DIAGNOSTICS

PRELIMINARY NOT FOR CONSTRUCTION

DESIGNED

KJC

DATE

MAY 13, 2020

PROJECT NO.

D0005 6-20-00120

SHEET NO.

A004

LEGION PARK RESTROOM

CITY OF DE PERE

1212 CHARLES ST., DE PERE WI 54115

OUTLINE SPECIFICATIONS

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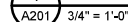
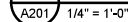
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LEGION PARK RESTROOM

CITY OF DE PERE 1212 CHARLES ST., DE PERE WI 54115

FLOOR PLAN, ELEVATIONS AND SECTIONS

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DESIGNED	DRAWN
KJC	KJC
PROJECT NO. D0005 6-20-00120	
DATE MAY 13, 2020	
SHEET NO. A201	