

SECTION 00 3105 - BID PACKAGE DESCRIPTIONS

City of Bottineau New Fire Station

Provide all labor, material, equipment, and site supervision to complete the work described and or identified within the construction documents for the project including but not limited to the following technical specifications. Note that sales tax must be included on all materials used.

Each Bid Package will be responsible for unloading, inventory and storage of materials being installed for each respective bid package. This would include materials supplied by another (material) bid package.

PACKAGE: 02A.1 – EXISTING CONDITIONS (BY OWNER N.I.C.)

Includes: All demolition handled by City of Bottineau. Details noted on AS1.0.
Sec 31 1100 Selective Site Demolition (Clearing)
AS2.0 - Note G. Site Utilities to within 5' of Building

BID PACKAGE: 03A.1 – CONCRETE

Includes: Labor, Material, Equipment and Site Supervision
Division 00 Conditions of the Contract
Division 01 General Requirements
Sec 03 2000 Concrete Reinforcement
Sec 03 3000 Cast-In-Place Concrete
Sec 07 2000 Insulation
Per Plans Bollards

BID PACKAGE: 07A.1 – THERMAL AND MOISTURE PROTECTION: INSULATION

Includes: Labor, Material, Equipment and Site Supervision
Division 00 Conditions of the Contract
Division 01 General Requirements
Sec 07 2000 Insulation

BID PACKAGE: 07B.1 – SEALANTS AND CAULKING

Labor, Material, Equipment and Site Supervision
Division 00 Conditions of the Contract
Division 01 General Requirements
Sec 07 9000 Sealants

BID PACKAGE: 08A.1 – OPENINGS (MATERIAL SUPPLY)

Includes: Material Supply
Division 00 Conditions of the Contract
Division 01 General Requirements

Sec 08 1100	Exterior Hollow Metal Doors & Frames
Sec 08 7100	Finish Hardware

BID PACKAGE: 08B.1 – OVERHEAD DOORS

Includes: Material, labor, equipment, and site supervision.
Division 00 Conditions of the Contract
Division 01 General Requirements
Sec 08 3600 Overhead doors

BID PACKAGE: 13A.1 – PRE-ENGINEERED METAL BUILDING (SUPPLY AND INSTALL)

Includes: Material, labor, equipment, and site supervision.
Division 00 Conditions of the Contract
Division 01 General Requirements
Sec 13 3419 Metal Building System

BID PACKAGE: 21A.1 – FIRE SUPPRESSION

Includes: Labor, Material, Equipment and Site Supervision
Division 00 Conditions of the Contract
Division 01 General Requirements
Sec 21 0500 Fire Protection General Provisions
Sec 21 0510 Common Work Results for Fire Protection
Sec 21 1000 Fire Sprinkler System
Sec 07 9000 Sealants (Thru-wall penetrations)

BID PACKAGE: 22A.1 PLUMBING

Includes: Labor, Material, Equipment and Site Supervision
Division 00 Conditions of the Contract
Division 01 General Requirements
Sec 22 0500 Plumbing General Provisions
Sec 22 0510 Common Work Results for Plumbing
Sec 22 0600 Water Service
Sec 22 0700 Plumbing Insulation
Sec 22 1100 Plumbing Piping
Sec 22 1200 Plumbing Specialties
Sec 22 1300 Sanitary Waste Specialties
Sec 22 4000 Plumbing Fixtures
Sec 23 0530 Excavation and Backfill
Sec 23 2100 Hydronic Systems
Sec 23 2200 Hydronic Pumps and Specialties
Sec 07 9000 Sealants (Thru-wall penetrations)

BID PACKAGE: 23A.1 HEATING, VENTILATING AND AIR CONDITIONING

Includes: Labor, Material, Equipment and Site Supervision

Division 00	Conditions of the Contract
Division 01	General Requirements
Sec 23 0500	HVAC General Provisions
Sec 23 0510	Common Work Results for HVAC
Sec 23 0530	Excavation and Backfill
Sec 23 0700	HVAC Insulation
Sec 23 2000	HVAC Piping
Sec 07 9000	Sealants (Thru-wall penetrations)

BID PACKAGE: 26A.1 ELECTRICAL, COMMUNICATIONS, ELECTRONIC SAFETY, & SECURITY

Includes:	Labor, Material, Equipment and Site Supervision
Division 00	Conditions of the Contract
Division 01	General Requirements
Sec 26 0500	Common Work Results for Electrical
Sec 26 0505	Temporary Facilities and Controls
Sec 26 0510	Remodeling Work
Sec 26 0519	Conductors
Sec 26 0526	Grounding & Bonding for Electrical Systems
Sec 26 0533	Raceways
Sec 26 0534	Outlet, Pull and Junctions Boxes
Sec 26 0553	Identification
Sec 26 0583	Connection to Equipment
Sec 26 0943	Network Lighting Control System
Sec 26 2416	Panel Boards
Sec 26 2713	Electric Service
Sec 26 2726	Wiring Devices and Device Plates
Sec 26 2813	Fuses
Sec 26 2816	Enclosed Switches & Circuit Breakers
Sec 26 2913	Motor Starters
Sec 26 4313	Surge Suppression
Sec 26 5100	Luminaires
Sec 26 6510	Overhead Door Wiring
Sec 27 0500	Division 27 General Provisions
Sec 27 0528	Network Systems Rough-In
Sec 28 0500	Division 28 General Provisions
Sec 28 4612	Fire Alarm and Detection
Sec 07 9000	Sealants (Thru-wall penetrations)

BID PACKAGE: 31A.1 EARTHWORK

Includes:	Labor, Material, Equipment and Site Supervision
Division 00	Conditions of the Contract
Division 01	General Requirements
Sec 31 2200	Grading
Sec 31 2316	Site Excavation

Sec 31 2323	Fill (Site)
Sec 31 2325	Building Excavation and Backfilling

BID PACKAGE: 32A.1 SITE IMPROVEMENTS

Includes:	Labor, Material, Equipment and Site Supervision
	Division 00 Conditions of the Contract
	Division 01 General Requirements
	Sec 32 0500 Common Work Results for Site Improvements
	Sec 32 1000 Walkway, Roadway & Parking Paving & Surfacing

END OF SECTION 00 3105

SECTION 00 4100 – BID FORM

Project: Bottineau New Fire Station
Bottineau, North Dakota

Date: January 28th, 2025, at 2:00 pm (CST)
At Bottineau City Hall, Bottineau ND

Bid Proposal from _____, hereinafter called the Bidder,
(company name)

a _____ corporation / partnership / an individual, doing business as
(state) (circle one)

_____ to City of Bottineau, here in after called the Owner.
(company name)

To the Owner:

The bidder in compliance with your Invitation for Bids for the construction of new pre-engineered metal building having examined the plans and specifications, hereby proposes to furnish all labor, materials, supplies and equipment necessary complete the work that this bid package represents. The bidder has reviewed the construction schedule and is in agreement with the time set forth within.

Bidder acknowledges receipt of the following addendum: _____, _____, _____, _____

BASE BID PROPOSAL:

Bidder agrees to perform all of the construction work described in the specifications and shown on the plans for the following Bid Package (if more than one bid package is quoted an additional bid form will be used) for the sum of money as noted following each Bid Package. If combined Bid Packages are given contractors are required to submit individual bids for each Bid Package as well.

BID PACKAGE:

Bid Package Number	Bid Package Name	Amount of Base Bid
# _____	_____	TOTAL\$ _____
# _____	_____	TOTAL\$ _____
# _____	_____	TOTAL\$ _____
# _____	_____	TOTAL\$ _____
# _____	_____	TOTAL\$ _____

COMBINED BID PACKAGES:

_____, # _____, # _____, # _____
TOTAL\$ _____

_____, # _____, # _____, # _____ TOTAL\$ _____

UNIT PRICE PROPOSALS:

Refer to section 01 22 00 for detailed description of unit price

Unit Price No 1 – Replacement of unsatisfactory soils
Add _____/CY

Specify Soil Replacement Materials Proposed: _____

UNIT PRICE WAGE PROVISIONS:

Please provide a straight time and overtime wages for the trades used in the packages you are bidding on.

Trade Classification	<u>Straight Time</u>	<u>Overtime</u>
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____

VOLUNTARY ALTERNATES:

Bidders are encouraged to submit proposals for alternates to the specified materials or systems which provide cost and/or schedule advantages while maintaining the design intent of the documents.

- This alternate pertains to Specification Section _____.
Description of proposed alternate: _____

Add/Deduct (circle) _____ Dollars \$ _____

Bid in Accordance with this Bidding Manual Yes No (circle)
 Bid in Accordance with the Contract Documents Yes No (circle)
 Payment and Performance Bond Cost included in the base bid above Yes No (circle)

If no, indicate the premium for any bonds to be added to the base bid for the Performance and Payment Bond _____ Dollars in the sum of 100% of contract amount.
(\$ _____) complied at a rate of _____ %.

Dated: _____

(Signature)

By: _____

Its: _____

Subscribed and Sworn to before me

Owner/Officer

This ____ day of _____, 20__

Notary Public

Bidder understands that the owner reserves the right to reject any or all bids and to waive any informality in the bidding.

The bidder agrees that this bid shall be good and may not be withdrawn for a period of 30 days after the scheduled closing time for receiving bids.

Upon receipt of written notice of the acceptance of this bid, bidder will execute the formal contract attached within 10 days and deliver a surety bond or bonds if requested by owner.

Respectfully submitted,

By _____

(Signature)

Title _____

Business Address _____

(SEAL if bid is by a corporation)

Telephone _____

Cell Number _____

Fax _____

E-Mail _____

END OF SECTION 00 4100

SECTION 01 06 00 – PERMITS, INSPECTIONS, AND LICENSING FEES

1.01 PERMITS AND INSPECTION FEES

- A. The Construction Manager will secure and pay for all general building permits, erosion control permits, encroachment permits, and special city permits required for the site or building construction.
- B. All mechanical and electrical building permits shall be applied for, secured and paid for by the Contractor requiring such permits.
- C. Any other specialized permits or inspection fees shall be applied for, secured and paid for by the Contractor requiring such permits.

1.02 INSPECTIONS

- A. Any Contractor requiring special inspection by the City or other agencies shall arrange and schedule the inspection and give a minimum of 48 hour notice to the Construction Manager, Architect, and Engineer.
- B. Partial occupancy permits may be applied for by the Owner. All Contractors will cooperate and assist in securing and maintaining partial occupancy permits.
- C. Mechanical and Electrical Contractors shall review their specifications to comply with all special testing and inspections.
- D. Where the Construction Documents require inspections, tests or approvals of the Work to be made by an independent testing laboratory, agency or an independent professional consultant, the laboratory, agency or consultant shall be approved by the Architect and Construction Manager.
- E. Each Contractor shall inspect work of others which will receive or is adjacent to their Work before commencing their Work. Do not proceed until conditions which would result in a less than first class installation are satisfactorily corrected. Commencing Work shall constitute as acceptance of the Work of others by the Contractor as satisfactory to receive their Work.

END OF SECTION 01 06 00

SECTION 01 1000 – CHANGES IN WORK

1.01 RELATED DOCUMENTS

- A. The Drawings, provisions of Contract, General Requirements, General and Supplementary Conditions apply to the work of this Section.

1.02 SUMMARY

- A. This Section defines administrative procedures for executing changes to the work.

1.03 REQUESTS FOR INFORMATION (RFI)

- A. Questions related to the interpretation of the Contract Documents or discovery of site conditions shall be addressed in writing to the Construction Manager and will be forwarded to the Architect.
- B. Architect may forward the RFI to the appropriate consultants for their review and comment.
- C. The Architects response will be written on the RFI form and returned to the Construction Manager for further distribution.
- D. If the Construction Manager concludes that the Architects response requires additional costs and /or time he may submit a Request for Change Order. Proceeding with the work, prior to written agreement constitutes the Contractor's agreement that no change of cost or time is required.

1.04 ARCHITECT'S SUPPLEMENTAL INSTRUCTION (ASI)

- A. If a clarification of or change to the Contract Documents is required, which in the Architect's judgment does not involve a change in Contract Sum or Time, the Architect will issue an Architect's Supplemental Instruction (A.S.I.) on AIA Form G710.
- B. If the Contractor concludes that the A.S.I. requires additional cost or time, he may submit a Request for Change Order within five (5) days. Proceeding with the work shall constitute Contractor's agreement that no change in cost or time is required.

1.05 PROPOSAL REQUEST (PR)

- A. If a change to the Contract Documents is required which involves a change in the scope of the project, the Construction Manager will issue a Proposal Request
- B. In response to the P.R., the Contractor shall submit a Request for Change Order indicating Contractor's proposal for changes in the Contract Sum or Time. Include an itemize breakdown of labor, materials, overhead and profit, including work by subcontractors or suppliers.

1.06 CHANGE ORDER (CO)

- A. If the Contractor's proposal is acceptable to the Owner, Architect will prepare a Change Order (C.O.) Do not proceed with the work until approved Change Order has been executed by the Owner and forwarded to the Contractor.
- B. Upon receipt of a signed Change Order, the Contractor may include the cost of the work in his monthly Application for Payment.

1.07 ALLOWABLE OVERHEAD AND PROFIT FOR ACCEPTED CHANGES IN WORK

- A. If work is done by the Contractors own forces a maximum total of 10% will be allowed.
- B. If work is done by a Subcontractor a maximum total of 5% will be allowed.

END OF SECTION 01 1000

SECTION 01 2200 – UNIT PRICE

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
 - 1. Section 01 1000 "Changes in Work" for procedures for submitting and handling Change Orders.
 - 2. Section 01 4000 "Quality Requirements" for general testing and inspecting requirements.

1.03 DEFINITIONS

- A. Unit price is an amount incorporated in the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.04 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - EXECUTION

1.05 SCHEDULE OF UNIT PRICES

- A. Unit Price 1: Removal of unsatisfactory soil and replacement with satisfactory soil material.
1. Description: Added cost per cubic yard for unsatisfactory soil excavation and disposal off site and replacement with satisfactory fill material or engineered fill from off site, as required, according to Section 02 50 00 - Earthwork
 2. Unit of Measurement: Cubic yard (Cubic meter) of soil excavated, based on survey of volume removed.

END OF SECTION 01 2200

SECTION 01 3110 – SCHEDULE AND PHASING

1.01 SCHEDULE AND PHASING

- A. Preliminary project schedule and an overall phasing plan is attached to this section.
- B. Bidder(s) shall examine the project phasing and overall schedule while acknowledging the phasing within their bid. No change orders will be considered for phasing of the project, nor additional mobilizations as relates to the project phasing.

1.02 CONTRACTOR SCHEDULING REQUIREMENTS

- A. Successful bidders will be requested upon and required to provide input as relates to their bid packages for schedule timelines and durations for consideration in the Project overall Schedule.
- C. Successful bidders will receive regularly updated schedules from time to time and requested to provide input on schedule modifications, which are to include schedule improvements.
- D. Successful bidders will be required to submit material lead time schedules for the CM's use in building the Project overall Schedule.

END OF SECTION 01 3110

SECTION 01 4000 – QUALITY REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Submittals.
- B. References and standards.
- C. Testing and inspection agencies and services.
- D. Control of installation.
- E. Tolerances.
- F. Manufacturers' field services.
- G. Defect Assessment.

1.02 SUBMITTALS

- A. Design Data: Submit for Construction Manager (CM) and Architect's knowledge as contract administrator for the limited purpose of assessing compliance with information given and the design concept expressed in the Contract Documents, or for Owner's information.
- B. Test Reports: After each test/inspection, promptly submit two copies of report to CM and to Contractor.
 - 1. Include:
 - a. Date issued.
 - b. Project title and number.
 - c. Name of inspector.
 - d. Date and time of sampling or inspection.
 - e. Identification of product and specifications section.
 - f. Location in the Project.
 - g. Type of test/inspection.
 - h. Date of test/inspection.
 - i. Results of test/inspection.
 - j. Compliance with Contract Documents.
 - k. When requested by Architect, provide interpretation of results.
 - 2. Test report submittals are for CM and Architect's knowledge as contract administrator for the limited purpose of assessing compliance with information given and the design concept expressed in the Contract Documents, or for Owner's information.
- C. Certificates: When specified in individual specification sections, submit certification by the manufacturer and Contractor or installation/application subcontractor to CM, in quantities specified for Product Data.
 - 1. Indicate material or product complies with or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.

2. Certificates may be recent or previous test results on material or product, but must be acceptable to Architect and CM.
- D. Manufacturer's Instructions: When specified in individual specification sections, submit printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, for the Owner's information. Indicate special procedures, perimeter conditions requiring special attention, and special environmental criteria required for application or installation.
- E. Manufacturer's Field Reports: Submit reports for CM and Architect's benefit as contract administrator or for Owner.
1. Submit report in duplicate within 30 days of observation to CM for information.
 2. Submit for information for the limited purpose of assessing compliance with information given and the design concept expressed in the Contract Documents.
- F. Erection Drawings: Submit drawings for CM and Architect's benefit as contract administrator or for Owner.
1. Submit for information for the limited purpose of assessing compliance with information given and the design concept expressed in the Contract Documents.

1.03 REFERENCES AND STANDARDS

- A. For products and workmanship specified by reference to a document or documents not included in the Project Manual, also referred to as reference standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Comply with reference standard of date of issue current on date of Contract Documents, except where a specific date is established by applicable code.
- C. Obtain copies of standards where required by product specification sections.
- D. Maintain copy at project site during submittals, planning, and progress of the specific work, until Substantial Completion.
- E. Should specified reference standards conflict with Contract Documents, request clarification from CM before proceeding.
- F. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of Architect or CM shall be altered from Contract Documents by mention or inference otherwise in any reference document.

1.04 TESTING AND INSPECTION AGENCIES AND SERVICES

- A. CM will employ and pay for services of an independent testing agency to perform other specified

testing.

- B. Employment of agency in no way relieves Contractor of obligation to perform Work in accordance with requirements of Contract Documents.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION

3.01 CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce work of specified quality.
- A. Comply with manufacturers' instructions, including each step, in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect and CM before proceeding.
- D. Comply with specified standards as minimum quality for the work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- D. Have work performed by persons qualified to produce required and specified quality.
- E. Verify that field measurements are indicated on shop drawings or as instructed by the manufacturer.
- G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, and disfigurement.

3.02 TOLERANCES

- A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.
- B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request clarification from Architect and CM before proceeding.
- B. Adjust products to appropriate dimensions; position before securing products in place.

3.03 TESTING AND INSPECTION

- A. See individual specification sections for testing and inspection required.

- B. Testing Agency Duties:
1. Test samples of mixes submitted by Contractor.
 2. Provide qualified personnel at site. Cooperate with Architect and Contractor in performance of services.
 3. Perform specified sampling and testing of products in accordance with specified standards.
 4. Ascertain compliance of materials and mixes with requirements of Contract Documents.
 5. Promptly notify Architect and Contractor of observed irregularities or non-compliance of Work or products.
 6. Perform additional tests and inspections required by Architect.
 7. Attend preconstruction, pre-installation, and progress meetings.
 8. Submit reports of all tests/inspections specified.
 9. Submit a written report in binder form with an index at the conclusion of the work required by the Testing Agency. The report shall be submitted as a permanent record to the Owner, through the Structural Engineer, of all tests, logs, comments, and written reports.
- C. Limits on Testing/Inspection Agency Authority:
1. Agency may not release, revoke, alter, or enlarge on requirements of Contract Documents.
 2. Agency may not approve or accept any portion of the Work.
 3. Agency may not assume any duties of Contractor.
 4. Agency has no authority to stop the Work.
- D. Contractor/Subcontractor Responsibilities:
1. Deliver to agency at designated location, adequate samples of materials proposed to be used that require testing, along with proposed mix designs.
 2. Cooperate with laboratory personnel and provide access to the Work and to manufacturers' facilities.
 3. Provide incidental labor and facilities:
 - a. To provide access to Work to be tested/inspected.
 - b. To obtain and handle samples at the site or at source of Products to be tested/inspected.
 - c. To facilitate tests/inspections.
 - d. To provide delivery of samples to testing laboratories.
 - e. To provide storage and curing of test samples.
 4. Notify Architect and laboratory 24 hours prior to expected time for operations requiring testing/inspection services.
 5. Each Prime Contractor is responsible for scheduling times for inspections, tests, taking samples, and similar activities.
 6. Each Prime Contractor and each agency engaged to perform inspections, tests, and similar services shall coordinate the sequence of activities to accommodate required services with minimal delay.
 7. Each Prime Contractor and each agency shall coordinate activities to avoid the necessity of removing and replacing construction to accommodate inspections and tests.

8. Employ services of an independent qualified testing laboratory and pay for additional samples, tests, and inspections required by Contractor beyond specified requirements.
 9. Arrange with Owner's agency and pay for additional samples, tests, and inspections required by Contractor beyond specified requirements.
- E. Re-testing: The Contractor is responsible for re-testing where results of required inspections, tests, or similar services prove unsatisfactory or do not indicate compliance with Contract Document requirements, regardless of whether the original test was the Contractor's responsibility.
 - F. Re-testing required because of non-compliance with specified requirements shall be performed by the same agency on instructions by Architect.
 - G. Re-testing required because of non-compliance with specified requirements shall be paid for by Contractor.
 - H. The Contractor shall cooperate with agencies performing required inspections, tests, and similar services and provide reasonable auxiliary services as requested. Notify the agency sufficiently in advance of operations to permit assignment of personnel.

3.04 MANUFACTURERS' FIELD SERVICES

- A. When specified in individual specification sections, require material or product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust, and balance equipment as applicable, and to initiate instructions when necessary.
- B. Submit qualifications of observer to Architect 30 days in advance of required observations.
 1. Observer subject to approval of CM.
 1. Observer subject to approval of Architect.
 2. Observer subject to approval of Owner.
- C. Report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.

3.05 DEFECT ASSESSMENT AND CORRECTION

- A. Replace Work or portions of the Work not complying with specified requirements promptly when observed defective by contractor's own quality control procedures, or when notified by CM of defective work. Notifications from CM may be communicated and logged through Procore.
- B. If, in the opinion of Architect or CM, it is not practical to remove and replace the work, CM, with the Architect, will direct an appropriate remedy or adjust payment.

END OF SECTION 01 4000

SECTION 01 5000 – TEMPORARY FACILITIES

1.01 DESCRIPTION

- A. The Construction Manager will arrange for temporary utilities for construction unless noted otherwise.
- B. All Contractors will include the cost of temporary work in base bid where specifically called for in Section 01 50 00.

1.02 DEFINITIONS

- A. MC: Mechanical Contractor
- C. FPC: Fire Protection Contractor
- D. EC: Electrical Contractor
- E. CM: Construction Manager

1.03 TEMPORARY CONSTRUCTION AIDS

- A. All Contractors shall be solely responsible for the selection, design, installation, use, maintenance and removal of temporary construction means and methods, such as but not limited to, hoists, cranes, lifts, scaffolds, ramps, runways, staging, ladders, sheeting, shoring, formwork, bracing, guardrails, platforms, swing stages and similar temporary facilities for placing or providing access to work.
- B. Establish and initiate use of each temporary facility at time first responsibility required for proper performance of Work. Terminate use and remove temporary facility at earliest reasonable time, when no longer required or when permanent facilities have, if authorized by the Owner, replaced the need.

1.04 TEMPORARY POWER AND LIGHTING

- A. The EC shall provide temporary power distribution as follows:
 - 1. Extend temporary power from utility transformer to temporary service panel near the building.
 - 2. Provide temporary panels, and their required service, throughout the building from the temporary power location. Provide minimum 4-20 amp, 120 volt, weatherproof, grounding duplex receptacles; circuit each separately. When conditions permit, extend temporary service to new building and install a temporary distribution system and temporary lighting branch circuits and temporary power within the building.
 - 3. Provide and maintain a minimum of 1-200 watt incandescent lamp for each 625 sq. ft. of floor area with at least 1 lamp in each room. Provide additional lighting

in corridors as necessary to provide adequate illumination. Comply with OSHA requirements for light distribution, location, lighting levels and fixture type.

4. Locate receptacles so that extension cords will not exceed 100 ft in length. Temporary branch circuits may be used for portable tools, lights, and small power loads. Each contractor shall provide flexible power cords as required for their own portable construction tools and equipment. Contractors requiring more lighting shall provide their own portable lights.
5. Maintain temporary electrical service during the normal work week; Normal work week is defined as 5 days a week, including ½ hour before regular working hours and ½ hour after regular working hours for each trade. Temporary electrical service may be required after hours and during weekends upon occasion.
6. Each contractor shall make arrangements and pay the cost for electrical service, lighting and power for their own field offices, storage sheds and any other temporary buildings.
7. Provide temporary power connection to the CM's site trailer. Power shall consist of 60 amp, 240 volt service.
8. EC will provide interior lighting only when the building is enclosed. EC will also provide and maintain 1 watt per sq. ft. of staging and storage areas for security. EC will also provide and maintain .25 watts per sq. ft. of floor area for interior security.
9. Owner or the CM will pay for energy used for building interior and security lighting. Exercise measures to conserve energy.
10. Permanent building lighting may not be used during construction.
11. The EC will be responsible for labor and materials to run power and disconnect (3) jobsite office and/or storage trailers as directed by the CM.

1.05 TEMPORARY HEATING

A. The CM shall provide temporary heating as follows:

1. The Owner will pay for the cost of the Energy for temporary heating. This will be in coordination with the CM.
2. The CM will pay for heat devices, heat and attendance in connection with portable heating devices as needed to maintain specified conditions for construction operations until building enclosure, and to prevent the work freezing or frost damage, and to ensure suitable working conditions. Contractors must protect their own work.
3. If Electrical heating devices are used, the EC will make proper and adequate electrical connection of up to _____ lineal feet for heating devices.
4. If natural gas or propane heating devise are used, the MC will make proper and adequate connections of up to _____ lineal feet for heating devices.
5. All contractors are to exercise measures to conserve energy and/or fuel.
6. Prior to operation of permanent equipment for temporary heating purposes, MC shall consult with the CM/Owner, verify that installation is approved for operation, equipment is lubricated, and filters are installed. MC shall provide and pay for operation, maintenance and regular replacement of filters and worn or

consumed parts. All filters used during the construction must be replaced by MC with new prior to turning the building over to the Owner.

1.06 TEMPORARY VENTILATION

- A. The MC shall provide temporary ventilation as follows:
 - 1. MC shall provide and pay for ventilation equipment necessary to ventilate enclosed areas to achieve curing of materials, dissipate humidity, and to prevent accumulation of dust, fumes, vapors or gases. MC shall be responsible for the changing of filtering materials as required.

1.07 TEMPORARY WATER SERVICE

- A. The MC shall provide and pay for suitable quality water service as needed to maintain specified conditions for construction operations until building enclosure.
- B. The Owner or CM will pay cost of temporary water used after building enclosure.
- C. Extend branch piping with outlets located so water is available by hoses with threaded connections. Provide temporary pipe insulation to prevent freezing. Each contractor shall provide flexible hoses as required for their own construction purposes.
- D. Drinking water shall be separately provided by each contractor.

1.08 TEMPORARY SANITARY FACILITIES

- A. The CM shall provide and maintain required facilities and enclosures.

1.09 FIELD OFFICES AND STORAGE TRAILERS

- A. The CM shall provide a field office.
 - 1. Office shall be weather tight and be equipped with lighting, electrical outlets, heating, cooling, telephone and furniture.
- B. Contractors office and storage trailers shall be located in designated areas as coordinated with the CM.

1.10 TEMPORARY FENCING

- A. Provide fixed or portable chain-link fencing. Minimum 2" galvanized-steel fencing fabric; minimum 6' high posts; minimum 2" OD line posts and 2-7/8" corner and pull posts with 1-5/8" top and bottom rails.
 - 1. Provide 800 lineal feet of temporary fence with two (2) 24' wide double swing gates.
 - 2. Provide for a duration of seven months.

1.11 VEHICULAR ACCESS, PARKING AND STAGING AREA

- A. New or existing streets that become dirty from mud or other debris from the construction site shall be cleaned by the responsible contractor.
- B. Contractors vehicles will be assigned a designated area for parking any deviation from this will require prior approval from the CM.
- C. Parking vehicles or equipment on highways is prohibitive without written approval from local jurisdiction.

1.12 PROGRESS CLEANING AND WASTE REMOVAL

- A. The CM will provide waste dumpsters for trash removal.
- B. Each contractor shall be responsible to dispose of their trash in provided dumpsters.
- B. Daily cleaning shall be provided by each contractor. If daily cleaning does not meet required compliance the CM will charge the non-compliant contractor at a rate of \$100.00 per hour (including material and equipment costs) for each time the CM must accomplish this cleaning.
- C. If the jobsite is exceptionally messy as determined by the CM, the CM will conduct all inclusive jobsite cleaning at the rate of \$100.00 per hour (including material and equipment costs) and charge all contractors working on site for that given week, proportionate to their respective contract values.
- D. Disposal waste separation may be required based on their content; landfills may require material separation, if so dumpsters will be marked for their accepted content. If this compliance is neglected and separation is done by others a charge of \$125.00 per hour will be implemented.
- E. Each contractor will be required to participate in weekly jobsite cleanups.

1.13 PROJECT IDENTIFICATION AND SIGNAGE

- A. The CM shall provide one general information sign displaying the name of the Project, Owner, Architect, Engineers and Construction Manager.
- B. The CM shall provide temporary on site informational signs as required by codes, laws and regulatory agencies as well as traffic control.
- C. No advertisements will be allowed to be displayed on the premises (or on Social Media) without the approval of the Owner and/or CM.
- D. Contractors shall provide their own safety signs as required to be in compliance with safety rules and good practice.

1.14 CONSTRUCTION OPENINGS

- A. Contractors shall provide openings in walls for moving in large pieces of equipment and shall coordinate with the CM in doing so. Close and finish immediately after equipment is in place.

1.15 SECURITY

- A. All contractors are responsible for the security of their own tools, equipment and materials.

1.16 SAFETY

- A. Each contractor shall:
 1. Have their own safety program in accordance with applicable provisions of the Occupational Safety and Health Act (OSHA). Contractors shall submit a copy of their safety program to the CM.
 2. Each tradesman that works on this project shall be instructed in the recognition and avoidance of unsafe conditions.
 3. Provide a copy of all material safety data sheets (MSDS) and have an additional copy of the same available for other employees on site. Each contractor is responsible for providing data sheet to other contractors and reviewing data sheets of other contractors.
 4. Submit a copy of their written Hazard Communication Program.
 5. Identify one person who is responsible for enforcement and training to their employees.
 6. Properly store and label all containers of chemicals on site or used in the construction.

1.17 FIRE SAFETY DEVICES

- A. The CM shall provide and maintain temporary fire extinguishers located in areas within the building. Contractors shall provide their own fire safety devices when required due to welding, flame cutting or other operations involving the use of flame, arcs or sparking devices.
- B. Contractors shall maintain access to temporary fire safety devices at all times.
- C. Temporary fire safety devices shall not be the fire safety devices to be placed for final service.

1.18 FIRST AID

- A. Each Contractor is required to provide and maintain first aid facilities and devices in compliance with governing regulations and recognized recommendations with the construction industry.

1.19 WATER CONTROL

- A. Site work contractor shall grade site to drain, maintain excavations free of water and provide, operate and maintain pumping equipment. Protect site from puddling or running water.

1.20 EROSION AND SEDIMENT CONTROL

- A. Certify compliance with CM provided SWPPP and execute requirements within the SWPPP, whether above and beyond requirements as listed in this specification section.
- B. Plan and execute construction by methods to control surface drainage from cuts and fills, borrow and waste disposal areas. Prevent erosion and sedimentation.
- C. Minimize surface area of bare soil exposed at one time.
- D. Provide temporary measures including berms, dikes, drains and other devices to prevent water flow.
- E. Construct fill and waste areas by selective placement to avoid erosive surface silts or clays.
- F. Periodically inspect control measures as required by the SWPPP to detect any evidence of erosion and sedimentation; promptly apply corrective measures.
- G. CM will Submit EPA Application for storm water runoff.

1.21 DUST CONTROL

- A. Execute work by methods to minimize raising dust from construction operations.
- B. Provide positive means to prevent air-borne dust from dispersing into atmosphere.

1.22 SNOW CONTROL

- A. The CM will provide snow removal to include construction site, approach, staging area, contractor parking lots and Construction access to the building.
- B. Each contractor will be required to remove other snow as necessary to perform their respective work as well as removing snow from their materials and equipment on site.

1.23 NOISE CONTROL

- A. Provide methods, means and facilities to minimize noise produced by construction operations.

1.24 POLLUTION CONTROL

- A. Provide methods, means and facilities to prevent contamination of soil, water and atmosphere discharge of noxious, toxic substances and pollutants produced by construction operations.
- B. Comply with pollution and environmental control requirements of authorities having jurisdiction.

1.25 PROTECTION OF COMPLETED WORK

- A. Each contractor shall consider protection of the finish work of prime importance. Care shall be taken by contractors not to damage completed work of other contractors and to provide adequate protection for their own completed work.
- B. When moving personnel, tools, equipment and material across floors, grades, roofs or other vulnerable surfaces and through openings, the contractor doing the moving shall provide adequate protection to prevent damage to surfaces.

1.26 REMOVAL OF UTILITIES, FACILITIES AND CONTROLS

- A. Each contractor shall remove their own temporary utilities, equipment, facilities and materials prior to Substantial Completion inspection.
- B. Each contractor shall clean and repair damage caused by installation or use of temporary work.
- B. Restore permanent facilities used during construction to specified condition.

1.27 EXTERIOR AND INTERIOR TEMPORARY ENCLOSURES

- A. Temporary enclosures are to be provided as follows:
 - 1. Provide temporary weather tight closure of the exterior openings to accommodate acceptable working conditions and protection of Products, to allow for heating and maintenance of required ambient temperatures identified in the individual specification sections and prevent entry of unauthorized persons. The CM will be responsible for locking of the entrances.
 - 2. Provide temporary partitions where needed to prevent damage to existing materials and equipment. Coordinate locations with the CM.

END OF SECTION 01 5000

SECTION 01 5200 – SAFETY

1.01 DESCRIPTION

- A. Safety is the responsibility of each individual Contractor. Each Contractor shall comply with all local safety ordinances and OSHA regulations and requirements while performing the Work.
 - 1. Each Contractor shall comply with the site safety requirements and full PPE is required while onsite.
- B. Each Contractor is required to submit bound Material Safety Data Sheets (MSDS) to the Construction Manager, to be used for reference only, prior to transporting the material / chemical on site. In addition, it is the responsibility of each Contractor to maintain an accessible MSDS file for their employees, subcontractors, sub-subcontractors, and suppliers that are on site.
- C. Each Contractor shall submit evidence of an Employer Safety Program that complies with current OSHA regulations and requirements prior to beginning any contract Work.
 - 1. Site specific safety plans applicable to the work performed by each Contractor must be submitted prior to beginning any contract Work. This includes, but is not limited to, Silica Exposure Control Plan, and Fall Prevention plans.
- D. The Contractor and their Subcontractor(s), Sub-subcontractor(s), and suppliers shall take all necessary precautions to ensure the safety of the public and of workers on the job, and to prevent accidents or injury to any persons, on, about, or adjacent to the premises where the Work is being performed. The Contractor and their Subcontractors, Sub-subcontractor(s) and suppliers shall comply with Federal or State OSHA regulations and all other laws, codes, ordinances, and regulations relative to safety and the prevention of accidents.
- E. The Contractor shall designate a responsible representative at the job site as a Safety Representative who shall be responsible for the promotion of safety and prevention of accidents, and shall enforce all applicable laws, ordinances, codes, rules, regulations, and standards pertaining to safety and prevention of accidents.

END OF SECTION 01 5200

SECTION 01 6100 – DELIVERY AND STORAGE

1.01 ACCESS

- A. Contractor vehicle parking and location of field offices and storage trailers require prior approval of the Construction Manager

1.02 DELIVERY AND STORAGE

- A. Contractors receiving deliveries to the site shall request a 24 hour notice from their suppliers. Contractors receiving deliveries shall ensure that their personnel are at the site to receive, unload and properly store.
- B. Bidders of material only Bid Packages shall give a 48 hour notice to the Construction Manager so proper arrangements can be made for unloading
- C. Bidders of labor only Bid Packages shall be responsible for unloading and storage of the materials they are installing.
- D. Any Contractors or Bid Package material suppliers not giving proper notice shall reimburse the Contractor on site or will be back charged accordingly for unloading and storage of said materials.
- E. All Contractors shall limit the storage of materials in the building. Delivery of material shall not be made to the project site until job progress permits and the schedule calls for it.
- F. All storage areas and locations require prior approval from the Construction Manager.
- G. Each Contractor shall move any stored material or equipment under their control if it interferes with other Contractors work at no additional cost to the Owner or other Contractors.
- H. Contractors shall obtain and pay for additional storage and work areas if they need additional space.

1.03 PROJECT ADDRESS

- A. The project address for deliveries is: 109 8th Ave. SW Stanley, ND 58784

END OF SECTION 01 6100