

**INVITATION TO BIDDERS
CITY OF MONTICELLO
PUBLIC WORKS BUILDING ADDITIONS - 2018**

The City of Monticello, hereinafter referred to as the "City" will receive bids for furnishing all labor, materials, tools and equipment necessary for the proper installation of three and potentially a fourth depending on available funding, pre-engineered wood framed building additions as shown on the exhibit attached hereto. There are also options to provide foundation systems for the proposed building(s) and complete building replacement of maintenance shop. The bid will remain open for a period of two weeks and bids will close on Thursday March 29nd at 10:30am (local time). The bids will be received at the City of Monticello Municipal Hall at 210 N. Hamilton, Monticello, Illinois 61856

Project Documents may be obtained by contacting Jim Grabarczyk at (217) 762-7512 or jag@cityofmonticello.net. The Project Documents will be distributed electronically via email. The bidder will be responsible for making hard copies of the Project Documents.

All questions shall be directed to Jim Grabarczyk at (217) 762-7512 or jag@cityofmonticello.net and received no later than Friday March 23, 2018 at 12:00 PM. All questions shall be answered by issuing addenda no later than 12:00 PM on Wednesday, March 28, 2018. A Pre bid meeting will be held onsite March 21, 2018 at 0900 am local time.

Bids shall be properly and completely executed on the Bid forms, and must be accompanied by a satisfactory Bid Security and other documents as may be described in the Instructions to Bidders. A certified or cashier's check payable to the City or a Bid bond in an amount equal to five (5) percent of the Bid amount must accompany each Bid. Bid security may be retained by the City for a period of not-to-exceed sixty (60) days for all Bidders and not-to-exceed ninety (90) days for the Bidder given tentative award of Contract. The successful Bidder will be required to provide a Contract Bond in the amount of one hundred (100) percent of the Contract amount.

Building addition one consists of constructing a 24' by 48' by 14' "lean-to" addition to the existing structure. Work includes removing the old skin and reskinning the existing structure with the same material as the new addition. Based on City approval, an option line item will be considered to construct a new approximately 54' by 48' by 16' structure in lieu of the remodel. If this option is accepted by the City, following the notice to proceed, City forces will remove the existing structure from its location in preparation of the new structure. The cost for the addition will not also be paid if accepted. Additionally, there is an option to provide the concrete work for the foundation system based on acceptance of the City and available funds.

Building addition two consists of adding a 30' by 40' by 12'± addition to the existing public works building matching the existing roof line and reskinning the entire building as well as moving windows and doors as necessary. One 12' roll up door is to be added to the existing 14' structure on the northwestern side of the building where the current office reside. Place an entry brow at the main entrance. Finish the interior walls so they are ready to finish with wall coverings such as paint. The City will be responsible to relocate the utilities from their current locations that are in conflict with the proposed addition. The City will remove the existing

interior wall skin. The contractor will be responsible for the exterior skin. There is an option to provide concrete work for the foundation system and flat work for the entire floor space based on City acceptance and available funds.

Building addition three consists of adding a 60' by 130' by 16'± addition to the East end of the existing public works building integrating the existing roof line into the side wall of the new structure. The eastern wall of the existing structure must have the two southern most posts removed and supported by the new structure. There will be nine rollup doors and three man doors installed as part of the project. The interior walls will be made ready for a full 8' sheet of OSB from finished floor and metal sheeting from the edge of the OSB to the ceiling connection. The metal will be provided by the successful bidder. The City will be responsible to move all utilities from their current locations. The City will remove the existing interior wall skin on the East and West end walls where the new additions will be constructed. The contractor will be responsible for all of the exterior skin and trim. There is an option to provide the concrete work for the foundation system based on City acceptance and available funds. The City will provide the interior pad once the structure is erected.

Bidders must be experienced in the construction of the type of facilities to be built under this Contract for which a Bid is submitted.

Minimum wage rates to be paid under this Contract have been established in accordance with the requirements of the Illinois Department of Labor for Piatt County. Compliance with 30 ILCS 570/ Employment of Illinois Workers on Public Works Act and 820 ILCS 130/Illinois Prevailing Wage Act will be required under this Contract.

The City reserves the right to reject any and all Bids or to waive any informalities in the bidding, should the City deem it to be in the public interest to do so. Unless Bids are rejected for good cause, the Contract will be awarded to the lowest responsive, responsible Bidder.

SECTION 1 - GENERAL TERMS AND CONDITIONS - To provide all necessary transportation, supervision, labor, licenses, tools, equipment, services and expertise to complete the work in the specified period. The successful bidder shall conform to the specifications attached hereto, with such exceptions or modifications, as are herewith set forth, in accordance with the terms and conditions set forth herein.

A. Examination of Site

Bidders shall inform themselves of all the conditions under which the work is to be performed concerning the site of the work, the obstacles, which may be encountered, and all other relevant matters concerning the work to be performed under this contract. The Contractor to whom a contract is awarded will not be allowed any extra compensation by reason of any such matters of things concerning which the Contractor did not inform himself prior to bidding. The successful Contractor must employ, so far as possible, such methods and means as will not cause any interruption or interference with the operations of City business or any other contractor.

B. Basis of Payment

The contractor shall be paid for the work upon completion as described herein.

C. Starting and Completion Requirements

Submit the following items:

1. Product Data - include manufacturer's specifications and installation instructions for building components and accessories.
2. Shop Drawings – Foundation requirements, erection drawings showing roof framing, cross sections, roof and wall covering and trim details and accessory and component details clearly indicating proper assembly.
3. Foundation plans must be submitted to the city within **two (2)** weeks from the date of notice to proceed.
4. Samples - standard color range of materials requiring color selection by OWNER.
5. Structural Engineer's Certification verifying compliance with design requirements.
6. Manufacturer qualification
7. Dealer qualification
8. Installer qualification

All contract work shall be completed within **90 days** of Notice to Proceed. The contractor shall not be entitled to any claims against the City for damages for hindrances or delays, from any cause whatsoever, in the progress of the work or any portion thereof. The time for completion of the work may be extended upon written request from the contractor to the contract administrator, provided request is based on delays or suspensions that are not of the contractor; and such delays shall include, but not limited to acts or neglects of the City or others performing additional work, or to fires, floods, abnormal weather conditions, epidemics or other acts of nature; or the request is based upon a significant change in the scope of the work which has been approved by the City, shall be the equivalent number of working days or lost hours or in proportion to the amount of extra work compared to the amount of the original contract. The contractor shall, at the time of

submitting a request for extension, also submit supporting documentation justifying the request.

Time lost due to delays caused by subcontractors, an inadequate work force, or failure of the contractor to properly supply or place orders for equipment or materials will not be justification for extensions of time.

D. Working Hours

The Contractor will schedule work between the hours of 7:00 a.m. and the hours of 5:30 p.m. Monday through Friday, unless otherwise authorized by the Director of public works.

E. Inspection of Work

All work must be completed to the satisfaction of the Director of Public Works, or his/her representative and any questions as to proper procedures or quality of workmanship will be resolved by same.

F. Damage to Property

Any damage to property as the result of the Contractor's operations shall be the responsibility of the Contractor. Should the damage not be rectified within the time agreed upon or to the satisfaction of the Director of Public Works, the City reserves the right to repair or replace that which was damaged, or assess the Contractor such costs as any be reasonable and related to damage caused by the Contractor, and deduct these costs from any payment due the Contractor. The Contractor shall inform the Director of Public Works of any damage caused by the contractor's operation on the day such damage occurs.

G. Discontinuance of Work

The City shall have the authority to suspend the work, wholly or in part by written order for such period as the City may deem necessary due to unsuitable weather, due to conditions unfavorable to city events, or due to failure on the part of the contractor to carry out orders given or to comply with any provisions of the contract documents. Any practice obviously hazardous, as determined by the Director of Public Works, or his/her representative, shall be immediately discontinued by the contractor upon receipt of either written or oral notice to discontinue such practice.

H. Personnel and Equipment

The contractor shall supply all material, equipment and personnel necessary for the performance of this contract. All equipment must be in compliance with bid specifications and all applicable federal, state and local rules and regulations. All bidders must have in their possession or available to them by formal agreement at the time of bidding all necessary equipment. Devices, tools, materials and supplies necessary to perform the work specified herein. Bidders shall follow the Piatt County Wage rates as required by the Illinois Department of Labor. The contractor shall provide the necessary crews made up of a combination of equipment and personnel to complete contract specifications as specified in completion schedule. Individuals found not to be following

the intent of these specifications shall be removed from the work site at the request of the City.

I. Work Crew Supervision

The contractor shall provide qualified supervision of each crew at all times while working under this contract. Each supervisor shall be authorized by the contractor to accept and act upon all directives issued by the City.

END OF SECTION

SECTION 2 - GENERAL DESCRIPTION OF BUILDING SYSTEM

- A. Provide labor, materials, equipment and incidentals required for the completion of work shown on the drawings and / or specified in this section.

2.1 REFERENCE STANDARDS

- A. AWC (NDS) – National Design Specification for Wood Construction
- B. 2003 International Building Code (2003 IBC)
- C. 2005 National Electric Code (2005 NEC)(NFPA 70)
- D. 2004 Illinois Plumbing Code
- E. 1987 BOCA Existing structure Code
- F. 2003 Life Safety Code (NFPA 101)
- G. ANSI/ASCE 7 – Minimum Loads for Buildings and Other Structures
- H. ANSI/TPI 1 - National Design Standard for Metal Plate Connected Wood Truss Construction
- I. ASAE EP 484 Diaphragm Design of Metal-Clad, Post-Frame Rectangular Buildings. ASABE Standards. St. Joseph, MI.
- J. ASAE EP 486. Post and Pole Foundation Design: Shallow Post Foundation Design. ASABE Standards. St. Joseph, MI.
- K. ASAE EP 559. Design Requirements and Bending Properties for Mechanically Laminated Columns. ASABE Standards. St. Joseph, MI.
- L. ASTM F 1667 – Specification for Driven Fasteners: Nails, Spikes and Staples.
- M. AWPA U1- USE CATEGORY SYSTEM: User Specification for Treated Wood Products.
- N. BCSI. Building Component Safety Information. Guide for Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.
- O. NFBA - Accepted Practices for Post Frame Building Construction: Framing Tolerances.
- P. NFBA - Accepted Practices for Post-Frame Building Construction: Metal Panel and Trim Installation Tolerances.

2.2 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of the Contract and Division 1 Specifications Section.
- B. Design Drawings: Supply (2) sets of drawings indicating assembly dimensions, locations of structural members, connections, attachments, openings, cambers, loads; wall and roof system dimensions, panel layout, general construction details, anchorages and method of anchorage, installation. All design drawings shall bear the seal and signature of a licensed structural engineer registered in the State of Illinois.
- C. Samples for initial selection: Manufacturers color charts or chips showing full range of colors, textures, and patterns available for roofing and siding panels, soffits, trims, and break metal with factory-applied finishes.

2.3 QUALITY ASSURANCE

- A. Building package by a pre-engineered building Manufacturer with over 30 years of doing business with no bankruptcy or reorganization and be a member of the NFBA.
- B. Trusses and columns shall be factory fabricated by Manufacturer in their manufacturing facility.

- C. Single Source Responsibility: All installation shall be done by building manufacturer employed crews.
- D. Erection crews must comply with OSHA regulations; AND have a documented safety policy and safety training process in effect for a minimum of 7 years. All workers must be protected from falls when they are above ground or another landing above 6'. They may be protected by fall arrest systems, guardrails or safety nets as per Subpart M of the OSHA Standard. Personal protection to include: hardhats, safety glasses, gloves, and work boots required unless working on roof. Fall protection equipment must be used such as harnesses, self-retracting lifelines, and safety ropes.

2.4 WARRANTY

- A. Materials and Workmanship - The building manufacturer shall for 1 year after completion, repair or replace any building part defective due to material or workmanship.
- B. Roof Leak – The building manufacturer shall for 5 years after completion, repair without charge any roof leak due to defects in material or workmanship.
- C. Panel Warranty – The building manufacturer shall for the designated periods, repaint or replace free of charge any roofing or siding panels under conditions of normal weathering which fail to meet the following
 - a. 25 years for panels where paint separated from panel due to cracking, peeling, or chipping.
 - b. 20 years for panels that experience chalking in excess of 8 units in accordance with ASTM D-4214-89 Method D659
 - c. 20 years for panels that experience color change in excess of 5 ΔE Hunter units in accordance with ASTM D-2244-93
 - d. 5 years for panels on sidewalls where there is a measurable gloss loss per ASTM D523.
- D. Siding / Roofing Warranty – The building manufacturer shall for 25 years repair or replace any exterior screw fasteners that shows visible stains or fails structurally due to red rust or white corrosion rust.

END OF SECTION

SECTION 3 - PRODICUTS

3.1 MATERIALS

A. Building Columns

1. The above grade portion of the columns shall be nail laminated timber columns No. 1 or better Southern Yellow Pine, kiln dried to 19% moisture content.
2. The wood portion of the column shall be bracketed to a 10,000 psi precast and reinforced concrete Perma Column foundation system with integrated steel uplift anchors. Only the concrete portion of the column shall extend below grade.
3. Columns shall be accurately placed and shall extend a minimum of 4 feet below grade and set on a pre-cast or poured in place Readi-mix concrete pad.

B. Wood Truss Design Specifications

1. Design: Truss design shall be in accordance with applicable provisions of latest edition of National Design Specifications for Wood Construction (NDS) American Forest and Paper Association (AFPA), and Design Specifications for Metal Plate Connected Wood Trusses (ANSI/TPI 1), Truss Plate Institute (TPI), and code of jurisdiction.
2. Lumber: Lumber used for truss members shall be in accordance with published Values of lumber rules writing agencies approved by board of review of American Lumber Standards Committee. Lumber shall be identified by Grade mark of a lumber inspection bureau or agency approved by that Board, and shall be as shown on design drawings.
 - a. Moisture content of lumber shall be no less than 7 percent nor greater than 19 percent at time of fabrication.
3. Metal Plate Connectors: Metal connector plates shall be manufactured by ALPINE and shall be not less than .0356 inches in thickness (20 gage) and shall meet or exceed ASTM A653-94 grade 37, and shall be hot dipped galvanized according to ASTM A653-94, coating designation G60. Working stresses in steel are to be applied to effective ratios for plates as determined by test in accordance with Sections 5.3 and 5.4 of ANSI/TPI 1-2002.
4. Assembly: Assemble trusses in a properly equipped manufacturing facility of a permanent nature. Trusses shall be manufactured by experienced workmen, using precision cutting, jiggling and pressing equipment. Truss members shall be accurately cut to length angle and true to line to assure proper fitting joints within tolerances set forth in ANSI/TPI 1. Connect truss members by metal connector plates located and securely embedded simultaneously into both sides of wood members by air or hydraulic press.

C. Framing Lumber

1. Side nailers shall be minimum 2x4 #2 SPF or better at spacing determined by the Professional Engineer on the Structural framing drawings.
2. Roof purlins shall be minimum 2x4 #2 SPF or better, on edge at spacing determined by the Professional Engineer on the Structural framing drawings.
3. All other framing shall be standard grade or better unless otherwise specified on Drawings.

D. Baseboard

1. Perimeter exterior baseboards shall be No. 2 or better Southern Yellow Pine 2x8s S2S and center matched.
 - a. Baseboard shall be pressure-treated with a wood preservative and rated for ground contact. Treated lumber shall be kiln dried after treating to 19% maximum moisture content.

E. Steel Roof and Exterior Wall Panels, Factory Applied Finish

1. Panel substrate shall be 29 gauge Grade E Structural Steel (92,000 psi average, 80,000 psi minimum) with 9" on center $\frac{3}{4}$ " tall major longitudinal ribs. Panel finish shall be Polyvinylidene fluoride color coat, minimum 70% polyvinylidene fluoride resin content, applied to sight-exposed face of sheet after pretreatment and priming in accordance with coating manufacturer's recommendations.

F. Steel Panel Attachment and Length

1. Steel panels shall be fastened to building framing with 300-series stainless steel hex washer head, self-sealing screws.
2. Side and end sheets shall be one piece from the base trim to the roof.
3. Roof sheets shall be one piece from eave to peak.

G. Metal Trim

1. Trim for corners, rake, and fascia shall be made from manufacturer's standard sheet metal matching panel material and finish.

H. Side Wall Overhang, Soffit, and Fascia

1. Each building sidewall shall have an overhang as indicated on the Drawings, finished with manufacturer's standard, pre-finished weather-tight coping system.
2. Bottom of overhang shall be covered with a pre-finished, vented aluminum soffit panel.

I. End Wall Overhang

1. Each building gable end shall have an overhang, as indicated on Drawings, finished with manufacturer's standard, pre-finished, weather-tight coping system.
2. Bottom of overhang shall be covered with a pre-finished, non-vented aluminum soffit panel.

J. Gutters and Downspouts

1. Gutters shall be 6 inch "K" style steel gutters installed on both sides of the building with 3 by 4 inch downspouts and elbows as required for proper drainage.
2. Gutters and downspouts shall be manufactured from the same panel material and finish as the steel roof and wall panels.

K. Draft/Fire Stops

1. Provide attic draft stop and/or wall fire stops as required by regulations, code(s), and/or authorities having jurisdiction.

L. Snow Guards

1. Install snow guards on both sides of roof with number of rows and spacing in accordance with manufacturer's recommendations.

END OF SECTION

SECTION 4 – EXECUTION

4.1 EXAMINATION

A. Inspection:

1. Before start of installation, contractor shall carefully inspect installed Work of all other trades. Verify that all such Work is complete and to the point where installation of wood frame building may properly commence.
2. Verify that the Work of this Section may be installed in accordance with all applicable codes and regulations, and with original design as shown and indicated.
3. Discrepancies: In the event of a discrepancy, immediately notify the Owner.
 - a. Do not proceed with installation until discrepancies and/or unsatisfactory conditions have been fully resolved.
 - b. Start of Work of this Section shall be construed as evidence of acceptance of conditions and under which the Work shall be done.

4.2 ERECTION

A. General: Work shall be in strict accordance with manufacturer's current, written instructions for erection of wood frame building system as shown and indicated.

1. Install all structural elements, building components, and accessories as shown or, if not shown, as required for installation as indicated.
2. Adjust all operating components as required to ensure that they operate in complete accordance with manufacturer's recommendations.

4.3 CLEANING AND PROTECTION

A. Cleaning: Contractor shall clean all building elements, components and/or surfaces in areas with "more than normal construction amount" of foreign matter such as dirt, dust or other surface debris. "More than normal" dirt, debris and other blemishes are defined as being visible by a majority of normal-sighted individuals when viewed under natural noontime lighting from an at-grade position no closer than fifteen feet to the blemish in question.

1. Touch up all marred, abraded, or otherwise damaged finishes as deemed necessary and so that evidence of such damage is eliminated.
2. At the completion of Work each day, remove trash, debris, and all excess materials, cartons and/or items so that all areas of work are clean.

B. Protection: Provide protective measures, as required, so the wood post-frame building is without damage or deterioration at the time of Substantial Completion.

END OF SECTION

SECTION 5 - PRE-ENGINEERED BUILDING SPECIFICATIONS

5.01 DESCRIPTION

- A. Work under this Section includes:
1. Furnishing all labor, materials, tools and equipment necessary for the proper installation of a pre-engineered wood framed building as shown on the drawings, including primary and secondary structural framing systems, roofing and wall covering systems, roof and wall insulation, doors, windows, and accessories.
 2. The post-frame building shall have dimensions as shown on the Drawings.

5.02 DEFINITIONS

1. Drawings: Contract Documents/ Specifications prepared by the City of Monticello.
2. Erection Drawings: Detailed project drawings prepared by the contractor.
3. Primary Framing: Pre-fabricated wood columns and pre-fabricated wood trusses with required fasteners.
4. Secondary framing: Wood purlins, girts, sill plate, top plate, and bracing.

5.03 SYSTEM DESCRIPTION

5. Design requirements:
 1. All structural elements of the pre-engineered building shall be designed in accordance with IBC, International Building Code, 2009 Edition.
 2. Design Loads
 - a. Roof Loads
 - 1) Snow Load: 20 psf
 - b. Dead Loads
 - 1) Truss Bottom Chord: 4
 - c. Wind Loads
 - 1) Wind Speed: 90 mph (3 second gust)
 - 2) Exposure Classification C
 - 3) Importance Factor = 1.15
 - d. Seismic Loads
 - 1) Seismic Zone 1
 - e. Collateral Loads: Additional loads imposed by the contract documents other than the weight of the building systems specified in this section shall also be accounted for in the design of the structural elements of the building.
 - f. Combination loads shall be as specified in the building code.

- g. **Maximum Assumed Soil Bearing Capacity:** The maximum allowable design soil bearing pressure permitted without supportive soil tests shall be 1500 pounds per square foot. The minimum design frost line depth shall be 32 inches below grade.

3. Structural Design

- a. Perform calculations using diaphragm design analysis. Incorporate bracing as required if building exceeds diaphragm requirements.
- b. Comply with AF&PA "National Design Specification for Wood Construction (NDS)".
- c. Trusses
 - 1) Comply with appropriate NDS and Truss Plate Institute (TPI) standards.
 - 2) Limit deflections for live loads or snow loads to L/360 for trusses supporting ceilings and to L/180 for overhangs and trusses not supporting ceilings.
- d. Metal Roof and Wall Panels
 - 1) Design in accordance with AISI "Specifications for the Design of Light-Gauge, Cold-Formed Steel Structural Members" and in accordance with sound engineering methods and practices.
 - 2) Design to support a 200 pound load evenly distributed over a 2 foot square area centered between purlins. Limit deflection to L/180 in a two-span condition.

5.04 QUALITY ASSURANCE

A. Qualifications:

- 1. **Manufacturer Qualifications:** Minimum of five years' experience in producing pre-engineered wood buildings of the type specified.
- 2. **Dealer Qualifications:** Must be a manufacturer-authorized dealer. State the date that the authorization was granted and the expiration date, if any.
- 3. **Installer Qualifications:** Minimum of five years' experience in erection of pre-engineered wood buildings of the type specified.

B. **Structural Engineer Certification:** Letter signed by a Professional Structural Engineer registered to practice in the state of Illinois verifying compliance with the specified design requirements. The letter must reference the specific dead loads, live loads, wind loads, tributary area load reductions (if applicable), collateral loads, seismic loads, end use categories, and governing building code including edition and load applications.

C. Trusses

- 1. Comply with TPI "Design Specification for Metal Plate Connected Wood Trusses" and "Quality Standard for Metal Plate Connected Wood Trusses".
- 2. Manufacturer shall have a third party inspection program to verify compliance with requirements of TPI.
- 3. Stamp trusses with inspection agency identification.

5.05 PRODUCT HANDLING AND STORAGE

- A. All materials shipped to the job site shall be properly protected from rain and wind so that no damage or deterioration will occur during any prolonged delay from the time of delivery until the installation is completed.
- B. Follow manufacturer's instructions.

5.06 WARRANTY

- A. These warranties are based on the industry standard and are to be provided at no extra cost to the Owner. These warranties are not to be considered an extended warranty. Metal roof and sidewall panels shall be under warranty for the following:
 1. 25 years against perforation or structural failure due to deterioration from red rust.
 2. 25 years against crack, peel, blister or flake of paint coating.
 3. 20 years against chalk of paint coating in excess of an 8 rating per ASTM D 4214 for sidewall application.
 4. 20 years against chalk of paint coating in excess of a 6 rating per ASTM D 4214 for roof application.
 5. 20 years against fade of paint coating in excess of 5 units of color per ASTM D2244 for sidewall application.
 6. 20 years against fade of paint coating in excess of 8 units of color per ASTM D2244 for roof application.

5.07 PRODUCTS

STRUCTURAL FRAMING

D. Primary Framing

1. Columns:
 - a. Lumber: No. 1 or better Southern Yellow Pine or Douglas Fir-Larch kiln dried to 19 percent maximum moisture content.
 - b. Fabrication: Laminate individual pieces using ring shank or wire feed nails per manufacturer's engineered nailing pattern.
 - c. Configuration:
 - 1) Sidewall and endwall Columns: 3 ply or 4 ply combining 2x6, 2x8 or 2x10 dimension lumber as required by structural design requirements as specified and configured to accept interlocking girts.
 - 2) Corner Columns: 2 ply or 3 ply combining 2x6 or 2x8 dimension lumber as required by structural design requirements as and configured to accept interlocking girts from sidewall and endwall directions.
 - 3) Trusses: Comply with structural design and quality assurance requirements as specified herein.

E. Secondary Framing

1. Purlins and Girts

- a. Lumber: No. 2 or better dimension lumber kiln dried to 19 percent maximum moisture content.
 - b. Configuration: 2x4 or 2x6 as required by structural design requirements specified herein.
 - 1) Girts: Precision cut to fit.
 - c. Spacing: As required by structural design requirements specified herein.
4. Sill Plate
- a. Lumber: No. 2 or better Southern Yellow Pine, pressure treated with Chromated Copper Arsenate, Type III, to a retention of 0.4 pcf and kiln dried after treating to 19 percent maximum moisture content.
 - b. Configuration: 2x6, 2x8 or 2x10 dimension lumber as required by structural design requirements specified.
5. Top Plate
- a. Lumber: No. 2 or better dimension lumber kiln dried to 19 percent maximum moisture content.
 - b. Configuration: Match column lumber dimension.
6. Wall Bracing and Lateral Truss Type Bracing
- a. Lumber: No. 2 or better dimension lumber.
 - b. Configuration: 2x4 or 2x6 as required by structural design requirements specified

5.08 METAL PANEL ROOFING AND SIDING

B. Panel Description:

1. Material and Finish:
- a. 29 Gauge, ASTM A653, structural quality, Grade 80 (formerly Grade E), galvanized steel with G60 (Z180) zinc coating both sides, Triple Spot Test.
 - b. Exterior surface finish: Bonderize and provide baked on primer and Valspar 10-S (silicone polyester) finish coat, 0.9 mil minimum dry film thickness. Color shall be as selected by the Owner from the manufacturer's standard color range.
 - c. Interior surface finish: Bonderize and provide baked on primer and polyester finish coat, 0.5 mil minimum dry film thickness.
7. Configuration:
- a. Roll-formed, 36-inch coverage width. Provide panels covering up to 35 foot lengths in single pieces.
 - b. Four major corrugations, 3/4 inch high, spaced 9 inches on center with 3 minor corrugations, 1/8 inch high, spaced 3 inches on center between each major corrugation.
 - c. Form one outboard corrugation as overlapping corrugation.
 - d. Form opposite outboard corrugation as underneath corrugation with full return leg to support side lap and continuous anti-siphon drain channel.

e. Factory cut to required length.

B. Fasteners

1. Color coated No. 10 drill screws with ¼ inch hex head pre-assembled to ½ inch o.d. dome seal or bond seal stainless steel and EPDM washers.

C. Roofing Accessories

1. Provide manufacturer's standard pre-engineered ridge cap, ridge vent, flashings and eave and gable trim.
2. Provide closed cell, 2 psf density polyethylene foam closure strips premolded to match configuration of panels.

D. Siding Accessories

1. Provide manufacturer's standard pre-engineered wall trim and flashings.
2. Provide closed cell, 2 psf density polyethylene foam closure strips premolded to match configuration of panels.

END OF SECTION

SECTION 6 EXECUTION

6.1. EXAMINATION

- E. Building erector/installer shall verify that site conditions are acceptable for erection/installation of pre-engineered wood building system.
- F. Building erector/installer shall coordinate with other trades to perform corrective work on unsatisfactory conditions.
- G. Commencement of work by building erector/installer shall be considered acceptance of site conditions.

6.2. ERECTION - STRUCTURAL FRAMING

- H. Erect building in accordance with the manufacturer's instructions and approved shop drawings.
- I. Provide temporary erection bracing and temporary wind load bracing to keep the structure plumb and in alignment until installation of the permanent bracing and/or roofing and wall coverings are completed.
- J. Do not field cut or alter structural members without approval of manufacturer and Engineer.

6.3. INSTALLATION

6.4. CLEANING

K. Metal Roofing

1. General: Install in accordance with the manufacturer's instructions. Secure to structural framing aligned, level and plumb. Use specified fasteners and space fasteners as indicated on the Erection Drawings.
2. Install roof panels to provide a minimum of one full corrugation of sidelap to adjacent panels.
3. Install roof panels to provide a minimum of 8 inches of endlap to adjacent panels.
4. Secure lapped panels together over and to structural members.
5. Accessories: Install as shown on Erection Drawings.

L. Metal Siding

1. General: Install in accordance with manufacturer's instructions. Secure to structural framing aligned, level and plumb. Use specified fasteners and space fasteners as shown on the Erection Drawings.
2. Install siding panels to provide a minimum of one full corrugation of sidelap to adjacent panels. Laps shall be located on structural framing or shall be solid blocked.
3. Field cut endwall panels to match roof slope.
4. Install trim and accessories as shown on Erection Drawings.

7.04 CLEANING

- A. Clean surfaces soiled by work as recommended by the manufacturer.

- B. Touch up abrasions and other defects on pre-painted metal panel surfaces with the same type of primer and paint as the original finish.
- C. Remove surplus material and debris from site.

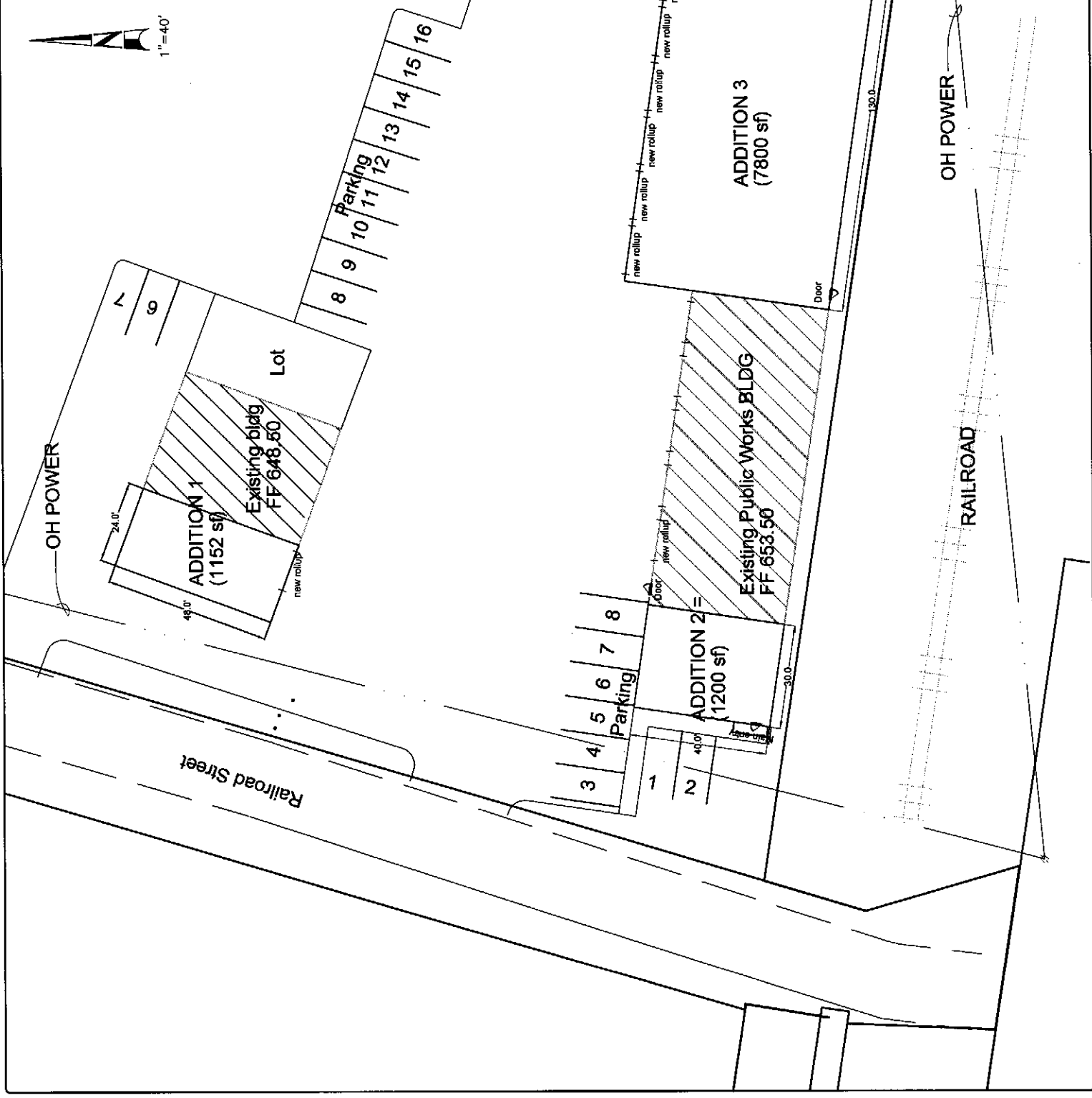
END SECTION

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTION TO THE CONTRACTOR BY THE CITY.

CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

CONTRACTOR SHALL REPAIR ALL DESTROYED OR DAMAGED EXISTING SURFACE IMPROVEMENTS WITH IMPROVEMENTS EQUAL OR SUPERIOR.

ALL DEMOLISHED MATERIAL SHALL BE REMOVED FROM THE JOB SITE TO AN APPROVED DISPOSAL SITE.



The undersigned hereby affirms and states that the prices quoted herein constitute the total cost to the City for all work involved in the respective items and that this cost also includes all insurance, royalties, transportation charges, use of all tools and equipment, supervision, overhead expense, inspection costs, all profits and all other work, services and conditions necessarily involved in the work to be done in accordance with the requirements of the Contract Documents considered severally and collectively.

The undersigned contractor offers to provide the City Buildings conforming to the specifications and in accordance with the terms and conditions herein specified.

Contractor: _____
(Company Name)

(Street)

(City) (State) (Zip)

Contact Person Phone/Fax Numbers

ATTEST: _____
Submitted by: (Signature) (Date)

(Title) (Print Name)

City ATTEST: _____ By: _____
(Signature) (Name)

(Title) (Date)

THIS BID, WHEN ACCEPTED AND SIGNED BY AN AUTHORIZED SIGNATORY OF THE CITY GROUNDS, SHALL BECOME A CONTRACT BINDING UPON BOTH THE PERSON, PARTNERSHIP OR CORPORATION, TO SUPPLY OR PERFORM AS SPECIFIED AND UPON THE STATE TO ACCEPT THE PRODUCT OR SERVICE.

Schedule of Prices

RETURN WITH BID

Base Bid

Base		
Item. No	Items	Item Total
1	Building addition 1 1152 sf and re-skin existing building	
2	Building addition 2 1600 sf and re-skin existing building	
3	Building addition 3 7800 sf	
	Base bid total	

Bidder's Base Proposal _____

(Use words)

Optional Items

OPTIONS	These items may not be accepted by the City	
Item. No.	Items	Item Total
4	Replace existing building in lieu of addition 1 above	
5	Building foundation for addition 1	
6	Building foundation for addition 2	
7	Building foundation for addition 3	
	Options total	

Contract

1. THIS AGREEMENT, made and concluded the _____ day of _____ ,
Month and Year
between the City of Monticello of Monticello, Illinois
acting by and through its Mayor known as the party of the first part, and
COMPANY his/their executors, administrators, successors or assigns,
known as the party of the second part.

2. Witnesseth: That for and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with said party of the first part at his/their own proper cost and expense to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this agreement and the requirements of the Engineer under it.

3. And it is also understood and agreed that the Notice to Contractors, Special Provisions, Proposal and Contract Bond hereto attached, and the plans City of Monticello – Public Works Building Additions in Monticello, IL , approved by the City of Monticello

Date , are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, The said parties have executed these presents on the date above mentioned.

Attest: _____ The _____ of _____
Clerk By _____
Party of the First Part
(Seal) *(If a Corporation)*

Corporate Name _____
By _____
President Party of the Second Part
(If a Co-Partnership)

Attest: _____
Secretary

Partners doing Business under the firm name of

Party of the Second Part
(If an individual)

Party of the Second Part