

Cherokee Nation
W.W. Keeler Second Story Addition and Remodel
Tahlequah, Oklahoma

WORK PACKAGE # 5A
Metal and Structural Steel
2/3/15

SCOPE SUMMARY:

DIVISION:	0	- LEGAL DOCUMENTS	Complete;
DIVISION:	1	- GENERAL REQUIREMENTS	As Applicable;
SECTION:	05 1200	- STRUCTURAL STEEL FRAMING	Complete;
SECTION:	05 3100	- STEEL DECKING	As Applicable;
SECTION:	05 4400	- PRE-ENGINEERED PRE-FABRICATED COLD-FORMED STEEL TRUSSE	As Applicable;
SECTION:	05 5000	- METAL FABRICATIONS	Complete;
SECTION:	05 5100	- METAL STAIRS	Complete;
SECTION:	05 5150	- FIXED METAL LADDERS	Complete;
SECTION:	09 9100	- PAINTS AND COATINGS	As Applicable;

In the event of a conflict or ambiguity between the following “clarifications” to the scope of Work and the contract documents, the contract documents shall control. The following “Scope Clarifications” are intended to emphasize, amplify, and clarify the work of this package, and do not supersede contract documents or in any way list every item of work required by contract documents for this work package.

Terminology

Contractor shall mean work package Bidder
Construction Manager (CM) shall mean M. Ross, Inc.

GENERAL SCOPE OF WORK INCLUSIONS:

Includes, but is not limited to, providing all the necessary labor, materials, tools, supplies, supervision, insurance, equipment, scaffolding, hoisting, fees, etc. necessary to provide **Metal and Structural Steel** for the Cherokee Nation - W.W. Keeler Second Story Addition and Remodel – located at 17675 South Muskogee Avenue, Tahlequah, OK 74464, in accordance with the Contract Documents. It is further understood and agreed that this Work Package also includes the furnishing and installation of the below listed items regardless of whether or not they are in the listed specification section(s) or any other specification section(s), or shown on drawings. Drawing and detail references are provided for reference only and are not to be considered as all inclusive of Contract Documents for particular items referenced. (Please note: The word “provide” when used herein shall mean furnish and install completely, including all costs for labor, materials, equipment, hoisting, layout, scaffolding, ladders, staging, tools, rigging and any other facilities necessary to complete the work”.)

BID PACKAGE SCOPE ITEMS:

1. Include in pricing any and all mobilizations that may be required due to the canopy or any other tasks that may be required to be completed at a later date.
2. Work hours will need to be flexible as to keep disruption or displacement to employees and patrons to a minimum. After hours and weekend work will be acceptable with prior notice to avoid disruption. No disruption to Council meeting (which should be three days a month and we will provide a calendar for these events) or meetings that Administration may have.
3. Review drawings extensively. Bring up any structural issues you might see with the plans before fabricating or installing material.

Cherokee Nation
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Tahlequah, Oklahoma

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2/3/15

4. Provide complete shop drawings and submittal information for the work as required by the contract documents Two (2) weeks after Letter of Intent.
5. All Metal and Steel Package features of work. It is the intent to have this contractor perform all work complete and as required with exception of specific items as so stated in "Scope of Work Exclusions".
6. Provide and install complete all Structural Steel in accordance with specification section 051200, "Structural Steel", as indicated and as required including but not necessarily limited to: anchor bolts, anchor bolt assemblies, sheet metal anchor bolt templates, columns, rolled steel, masonry lintels, slab opening steel, beams, tube supports, cross bracing, outriggers, headed stud anchors, concrete embeds as specified, opening frames, equipment roof frames, vestibule framing, canopy framing, roof edge continuous angles, sheer connectors, deck edges, miscellaneous angles and clips, and galvanization as required. Also provide all architectural finished steel as required and indicated.
7. Provide welder's certification for all welders on site.
8. A qualified rigger, signaler, and crane operator are required to be used at all times when a crane is in operation.
9. Make sure crane is within the correct distance from electrical lines
10. Provide and install complete all Metal Deck in accordance with specification section 053100, "Steel Decking" as indicated, and as required including by not necessarily limited to: roof deck, acoustical deck, sound absorbing insulation and its installation, rubber and steel rib closure strips at top and bottom of metal deck and sealant as required to provide weather tightness and as required to ensure concrete seepage does not occur, ridge and valley plates, finish strips, reinforcing channels, sump and receiver pans, pour stops and fillers, shear connectors, etc. as required.
11. All miscellaneous roof deck penetration angle, roof drain framing, roof hatch framing, joist reinforcement.
12. All roof decking connections as specified on contract documents.
13. Provide and install complete all Metal Fabrications, Stairs, Landing and Railings components, Elevator Pit Ladders, divider beams, support for entrances and rails, hoisting beam at top of hoistway, Attic landing/stair, and ladder for access above second story addition. complete in accordance with specification section 055000, "Metal Fabrications" and as indicated and as required including, stringers, attachments, tread and risers, supports, fasteners, decking, studs, DBA as shown, etc. complete.
14. Provide and install complete galvanized steel support framing required for sunscreen systems shown on Architectural drawings.
15. Provide all steel framing and plate required for a complete Duct Opening assembly as detailed.
16. Provide complete all new exterior canopy structures.
17. Provide all connection design and calculations, including pre-submission of Engineers qualifications, as required. All required calculations and engineering as specified or indicated for connection or other design shall bear an Oklahoma Professional engineer stamp.
18. Provide all temporary protection required to not damage adjacent work. This protection is to be left in place until directed by the Construction Manager.
19. All bolts, washers, shims, expansion bolts including drilling and epoxying, all fasteners, connection and attachment devices for securing or erecting all of the materials furnished and/or erected under this agreement.
20. Contractor shall brace all structural steel elements as required in accordance with General Notes on documents. Subcontractor shall provide all means necessary to provide temporary bracing or shoring of structure during erection of the material called for in this agreement.
21. All shop painting and surface preparation of steel as specified.
22. All field touch-up painting including all welds and grinding.
23. All miscellaneous metals and structural steel indicated or noted by the contract documents
24. All welding rod, filler plates, shims, backer bars, temporary connections, etc. and erection

Cherokee Nation
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Tahlequah, Oklahoma

WORK PACKAGE # 5A
Metal and Structural Steel

2/3/15

- appurtenances required to complete the work of this agreement.
25. Contractor shall provide and meet all safety and 100% OSHA fall protection requirements for work of this package. This contractor shall provide all perimeter guardrail protection for elevated floor deck edges, elevated floor deck openings, balcony deck edges, etc. in such method and manner whereby perimeter/opening guardrail systems and attachments do not interfere with other work. Additionally all guardrail shall be installed in a segmental manner thus providing for removal and replacement as required for subsequent contractor's work. Upon completion of work, deck guardrail protection systems shall remain in place for subsequent contractor(s) use. As necessary and for the performance of subsequent contractors' work, each subsequent contractor shall be responsible for the removal, replacement of this system or other, and maintenance thereof to meet OSHA requirements and 100% fall protection requirements. Upon determination that permanent construction or subsequent Contractors' temporary fall protection meet all OSHA fall protection requirements; the steel contractor shall load from storage, transport and provide complete removal of his perimeter guardrail protection from project. Further, provide temporary ladders for use by all trades during steel erection. Upon completion of upper deck concrete placement and upon the completion of installation of ladders as provided by others, the steel contractor shall dismantle, hoist, load, and completely remove those ladders as installed by the steel contractor.
 26. Provide, maintain, and remove adequate crane erection and access roads as required for the performance of work of this package.
 27. Steel Erection hoisting equipment may be placed within the building line. If the building pad is disturbed by this scope's equipment it will be this contractors responsibility to repair the slab on grade sub base back to within 1/10th of elevation. Level 1 Slab on Grade concrete will be placed after the erection of the Structural Steel.
 28. It is this Contractor responsibility to provide any required coordination drawing information for interface with other trade contractors including but not limited to embed placement drawings and other trade contractors' information for incorporation into steel shop drawings. All shop drawings and erection documents must show sufficient detail for review and be sequentially broken down in accordance with the construction schedule.
 29. Furnish and install all temporary shores, guys, bracing, etc. required for erection. Remove temporary erection apparatus only upon completion or until permanent steel members achieve adequate loading requirements.
 30. Install, brace and provide all safety requirements for erection of structural steel, joist, truss, metal decking and other fabricated metal items in accordance with OSHA erection standards.
 31. Subcontractor shall provide it's own power for welding and stud welding equipment
 32. Provide all surveying, engineering and lay-out required for Contractor's work. Set and align steel in accordance with AISC tolerances and other more stringent requirements, if stipulated.
 33. Subcontractor shall utilize crane mats, shoring, and/or other precautions or routes, when moving any cranes (or equipment to erect steel) to avoid damage to existing underground utilities or manholes, existing surface paving, and structures, etc. Construction manager will also provide (ONLY to the extent available) limited on-site area for shakeout and unloading of steel, with the understanding that subcontractor will cooperate with other trades within space available.
 34. All items herein shall be shop fabricated and shop assembled as far as practical.

General Items:

Safety:

1. Comply with Construction Manager's Safety Policies and Insurance Requirements.
2. Submit Daily Project Reports to M. Ross, Inc. daily, while on site.

Cherokee Nation
W.W. Keeler Second Story Addition and Remodel
Tahlequah, Oklahoma

WORK PACKAGE # 5A
Metal and Structural Steel

2/3/15

3. Participate in and submit weekly safety audits as required by the Construction Manager.
4. Hard Hats, eye protection, & high visibility vests are required at all times while on site.
5. In addition to other safety requirements required elsewhere in this bid package, this contractor shall replace or restore all safety rails, guards, fences or the like, which are temporarily removed or damaged by and for the Work of this package.

Project Coordination:

6. Provide mandatory on-site Subcontractor supervision while work is being performed.
7. If Work involves demolition of items to be salvaged and turned over to the Owner; Bidder shall remove, load, transfer and unload all salvaged items to and at locations designated by the Owner.
8. Coordinate all work with the Construction Manager to avoid delay and/or interference with other work and to ensure minimum interference with vehicular or pedestrian traffic and to permit unencumbered access to site and adjacent properties.
9. Subcontractor shall conform to Construction Manager's work hours. Normal work hours are 7:30 am to 4:00 pm or as otherwise required per schedule or by Cherokee Nation. Additionally, all weather delays, coordination conflicts and work congestion delays are considered normal delays; as such, all normal delays will be made up on Saturday and Sunday.
10. Provide manpower and equipment mobilizations/remobilizations as required for the work in accordance with project schedule including all phasing and interim milestone dates.
11. Subcontractor in performance of this work agrees to cooperate and work harmoniously with other trades to achieve all interim and final completion dates and to coordinate the work to avoid compression (to the extent possible) for the benefit of all trades.
12. Provide as applicable to the work, all identification requirements including charting, tagging, labeling, marking tape and trace wires, stenciling and painting as specified, indicated, and/or required by Cherokee Nation and jurisdictional authorities.
13. Subcontractor shall include daily cleanup of all waste and debris generated by their work, their employees, sub-tier subcontractors and suppliers. All waste shall be accumulated, removed, broken down, compacted, bundled and deposited in project dumpsters as provided by others. Subcontractor shall employ (as necessary) adequate personnel whose sole responsibility is the performance of clean-up described herein.
14. Additionally, each subcontractor will also be responsible for contributing personnel to a composite clean-up crew. This will not supersede daily clean-up as stipulated above. Crew 5-10 – 1, Crew 11-20 – 2, Crew 21-40 – 3, Crew 41 and above - 4
15. Provide, Schedule and coordinate with CM all required testing requirements including providing assistance, access, obtaining samples and data gathering, as required. All field testing and cost thereof for geotechnical, concrete, asphalt, masonry and structural steel is provided by others. Costs for all retesting due to failed tests and Subcontractor unpreparedness for tests, will be paid by this Work Package Subcontractor.
16. Provide as applicable to the scope of this Work package, all required factory or field testing, and systems including cleaning, disinfection, sterilization, and certifications as specified, indicated and/or as required and necessary by jurisdictional authorities for the Work.
17. Furnish, install and remove upon completion, all temporary protection for protecting existing or new improvements (whether public or private), work of other trades, stored materials, floors, and/or building finishes from damage from Work activities. Restore areas to new condition per documents and/or as required by the Cherokee Nation, the CM or jurisdictional authorities to new condition immediately following completion of the Work.
18. Provide and mark as applicable to the Work, all existing underground utility locations. Damage and repair to existing utilities resulting from the Work will be the responsibility of the Subcontractor.
19. Provide all field engineering and layout from benchmarks and base building control. Benchmarks and baseline control is furnished by others. This contractor is responsible for replacement of any damaged benchmarks, base line control, or layout work of other trades/packages damaged or destroyed by the work of

Cherokee Nation
W.W. Keeler Second Story Addition and Remodel
Tahlequah, Oklahoma

WORK PACKAGE # 5A
Metal and Structural Steel

2/3/15

this subcontractor.

20. Provide all required dewatering, pumping, bailing, squeegeing, mopping, fans, etc. necessary to keep all work areas free of water during performance of Work. All discharge shall be in accordance with EPA guidelines or other more stringent jurisdictional and/or Owner requirements. Protect all existing and new finished surfaces from rutting, dirt, debris, stain, mold and repair all damage resulting from standing or discharged water.
21. Provide all temporary shoring and bracing that may be required for work of this package including all engineering, design and calculations stamped by a registered engineer in the State of Oklahoma. All costs and fees therefore as required are to be included as a portion of the bid.
Provide all hoisting as necessary, material transportation, dunnage, rigging, loading and unloading, etc. as required for the work of this bid package.
22. Provide, arrange, obtain and pay for all licenses, taps, connections, meters and appurtenances including all cutting and patching, testing, inspections, approvals and certifications.
23. All deliveries are to be coordinated through M. Ross, Inc. and may be restricted to nights or weekends to avoid traffic or Tribal Complex disruptions. All deliveries shall be prescheduled with M. Ross, Inc. to ensure that construction access is available when needed (Subcontractor is to cooperate, and work harmoniously with other trades to avoid delivery delays). Additionally, Subcontractor must have adequate flagmen where required to position truck(s) for unloading and to control traffic during truck positioning. All deliveries and components must be sized to fit within the designated construction entrances.
24. All work in existing building and work outside of construction zones where work is to be performed areas must be pre-scheduled through M. Ross, Inc. as specified, including a minimum 14 working days advanced scheduling (or longer if so specified). All areas outside of construction zones will remain operational and hard temporary partitions (drywall) are to be avoided and will not be installed.
25. Provide all safety requirements including traffic and pedestrian control (i.e. signage, barricades, flashers, etc.), traffic covers, flagmen and flagging, etc. in conjunction with Work whether on public or private property for the prosecution and completion of this work scope.
26. Attend weekly on-site Supervisors, foreman, safety meetings, etc. as required by the Construction Manager.
27. As applicable to the Work, provide all attic stock, extra materials, chemicals, special tools, filters, testing equipment, etc. as indicated, specified, as required.

Administrative:

28. Subcontractor will be responsible for timely submission of all submittals including but not limited to: daily reports, shop drawings, licenses, certificates, permits, manifests, samples, product data sheets, MSDS information, LEED requirements and all other submittals required by Contract Documents. Note: furnish the required number of copies including electronic copies of all submittals in quantities as determined by the CM.
29. Subcontractor agrees to diligently process submittals, expedite material deliveries and to supply required manpower and resources to complete work in accordance with M. Ross, Inc.' master schedule including all individual milestone dates, Owner equipment installation dates, and Owner's completion date. If progress by Subcontractor is inadequate, M. Ross, Inc. may direct Subcontractor to immediately remedy scheduling inadequacies at no additional cost to M. Ross, Inc. or the Owner.
30. Provide all mock-ups as indicated and required,
31. Provide all licenses, permits, fees, and certifications and arrange for inspections and tests as required for the work. (Coordinate all inspections and tests through Construction Manager).
32. General building permit and payment for the required fee is provided by others, however, Subcontractor except as otherwise indicated, shall provide, arrange, obtain and pay for all other required permits including trade, Infrastructure Development Process, and/or similar specialty permits required by jurisdictional authorities.
33. Provide, arrange, obtain and pay for all licenses, taps, connections, meters and appurtenances, all cutting and patching, testing, inspections, approvals and certifications, safety requirements, traffic and pedestrian

Cherokee Nation
W.W. Keeler Second Story Addition and Remodel
Tahlequah, Oklahoma

WORK PACKAGE # 5A
Metal and Structural Steel

2/3/15

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34. Submit to the Construction Manager a self-performed, typewritten pre-punch listing of items of work including for any embedded, concealed, in-wall, and/or above ceilings as part of this contractor's quality control procedures.
 35. Subcontractor is responsible for all applicable federal, state, municipal and local sales and use taxes.
 36. Provide all warranties and specialty as specified.
 37. Schedule of Values and Applications for Payment shall be broken down as required by the Owner and/or the Construction Manager.
 38. Contractors, subcontractors and lower tier subcontractors and suppliers lien releases must be received monthly prior to processing of the following months application for payment. Additionally, provide all required reports, certifications, etc. as indicated above. Upon 80% of total billing, Subcontract shall submit all close-out documents. If close-out documents are not submitted at 80%, Subcontractor shall not be paid until close-out documents are submitted in form and format (hardcopies and electronic media) as required.
 39. Provide all test and balance, start-up, and commissioning reports, Owner training information, record drawings (pdf), O&M manuals, etc. as required and specified. All close-out information is to be submitted as one package.
 40. Costs for performance and payment bonds shall be stated separately as an add to your base bid and any applicable alternates or unit prices. All base bids, or combination Base Bid and any Alternate, of \$100,000 or above will require Performance and Payment Bonds.
 41. The terms and conditions contained in the following documents, including General Provisions – Article 2.5, Indemnification as included with the contract documents; are incorporated herein by reference as if fully written out;
 - M. Ross, Inc. General Provisions for Subcontracts
 - Exhibit "B" Subcontract Performance and Payment Bonds
 - Exhibit "C" Subcontractors Minimum Insurance Requirements
 - Exhibit "D" of Subcontract;
 - Exhibit "E" Indemnification;
 - Exhibit "F" Schedule

SCOPE OF WORK EXCLUSIONS:

1. Pre-fabricated Cold-formed Steel Trusses
2. Metal decking attached to Pre-fabricated Cold-formed Steel Trusses
3. Field testing and special inspection.
4. Waterproofing of all steel below grade.
5. Felt wrapping of steel.
6. Installation of anchor bolts except those to be drilled and epoxy.