

**COMPANY** \_\_\_\_\_

**ESTIMATOR** \_\_\_\_\_

**BID DAY PHONE NO.** \_\_\_\_\_

**Work Package: Structural Steel – Fabrication & Erection**

*The work in each bid package shall include but shall not be limited to all labor, burden, fringe benefits, materials, tools, equipment, incidentals, supplies, samples, shop drawings, layout, hoisting and rigging, shipping and handling, storage, distribution, protection, supervision, coordination, compliance with all applicable agencies, insurance, overhead and profit to perform the scope of work as required by the contract documents and this Work Package.*

*Subcontractor is expected to fulfill all the obligations contained in the Master Subcontract Agreement (“MSA”), and, in addition, the following requirements. In the event of any inconsistency between the MSA and the contents of this Scope of Work, Subcontractor shall comply with the more stringent requirement.*

**General Provisions**

1. General Provisions apply to all Work Packages. The following conditions are hereby incorporated into each and every Work Package description.
2. Include complete coordination with all other trades.
3. All work on site is to be performed safely in accordance with all OSHA standards and McCownGordon’s published Safety Program. It is the responsibility of the Contractor to inform and educate all personnel working onsite of the aforementioned requirements and ensure that these policies are enforced each day. Specifically each Contractor is required to meet the following guidelines:
  - a. All Contractors must complete a Safety Orientation and a Competent Person form before starting work.
  - b. All Contractors must submit weekly safety meeting minutes and jobsite safety inspections to the Construction Manager.
  - c. When crane work can possibly encroach within 20’ of energized power lines, the Contractor is responsible to provide a spotter and have protective covers installed on the power lines.
  - d. Appropriate PPE is to be worn by all employees at all times. This includes but is not limited to hard hats, high visibility clothing, footwear, pants, shirts with sleeves, etc.
  - e. 100% fall protection is required for any worker that is exposed to a 6’ fall or greater.
  - f. Any energized electrical work must comply with NFPA 70E regulations.
4. Any employees who work around or with lead base paint materials must have lead awareness training before work begins. Certificates of training must be provided to MGC before work begins.
5. Subcontractors are responsible for reviewing Lead surveys and must identify all areas of work that have lead base paint materials.
6. This project shall include at minimum a 1 year warranty from date of Substantial Completion of project for all items unless otherwise noted.
7. Include all required cleanup for work completed under this contract. Include daily cleanup of all areas where work is performed and disposal of debris to dumpsters provided by others (unless noted otherwise).
8. Include complete coordination of deliveries and storage of all materials on site with Construction Manager’s Onsite Superintendent.
9. All work to be in accordance with durations shown in the construction schedule. The construction schedule will be reviewed at each weekly progress meeting. All

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modifications to the schedule at the progress meeting will be sent out with the meeting minutes and will become a contract document, superseding the original bid/contract schedule.

10. Included is the protection of all adjacent surfaces during performance of the work.
11. Include all necessary "quick-shipping", material expediting, procurement expediting, labor overtime as necessary and costs necessary to meet the scheduled milestone dates and scheduled completion date per the construction schedule.
12. All materials and equipment to arrive in sufficient time to allow for installation and in sufficient time to be coordinated with work that is to be completed by other trades.
13. Include all necessary phasing required to complete the work per the project schedule. Contractor may deem it necessary to work an extended shift, more than one shift or more than one extended shift to meet the project schedule. All costs associated with work performed outside normal working hours shall be at the expense of the Contactor unless shift work has been directed and authorized in writing by the Construction Manager. If off-hours work is required, Contractor is required to obtain and pay for any permits associated with the work.
14. Include all necessary mobilizations as required to complete the work per the project schedule.
15. Include all manufacturer warranties, owner and maintenance manuals and as built drawings under this Contract. These are to be delivered to the Construction Manager (60) days from notice to proceed.
16. Include all lifts, equipment, scaffolding, etc...as required to complete this Contract. Contractors are expected to complete their Scope of Work in a timely fashion in accordance with the project schedule so as not to unduly extend the rental period of the scaffolding. Any Contractors causing delays in this work will be subject to back charges for scaffold rental.
17. Include all necessary material handling, hoisting, distribution, drayage, etc... of all materials installed under this contract on site.
18. Include preparation and delivery of (1) electronic copy of all necessary submittals and shop drawings and one (1) copy of "for construction" drawings provided to MGC per the dates below:
  - a. All submittals and shop drawings are due within 10 calendar days of Awarded Contracts unless otherwise noted on the construction schedule
  - b. All submittals are to be electronic format to Construction Manager unless they are material or color samples and they must be delivered to Construction Manager's Office.
19. Provide all mockups and samples as indicated by contract documents. Include mockup fabrication on jobsite, staging in location per Construction Manager, and removal following completion of work.
20. Include all layout, field verifications and/or field engineering required to complete work under this scope. Take all necessary field measurements to verify fit of this work to that of other Contractors or existing conditions prior to the start of fabrication/erection/installation.
21. Include all required "hand work" to complete the scope under this contract.
22. All work in this contract to be in accordance with the contract documents.
23. All temporary power sources must be GFCI protected, it is the responsibility of each subcontractor to confirm or provide GFCI protection per OSHA standards.
24. Included is the weekly updating of all master as-built Construction Manager jobsite drawings by this contractor's on site superintendents or foreman so that Construction Manager is informed of work in place and modifications to the design.
25. Include As-Built Record Drawings to Construction Manager within one (1) week of completion of this scope of work on site.
26. Include all necessary add mixtures for any materials to facilitate construction per the schedule for both hot and cold weather provisions.

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27. Provide and pay for all required permit fees for work under this scope, excluding building permit.
28. All deliveries will be unloaded, inventoried and confirmed by the Contractor.
29. All traffic control labor required for this scope of work.
  - a. A flagman is required at all pedestrian access areas. Must be present during loading/unloading and back-up activities, as well.
  - b. Equipment working in public streets must have working flashing strobe/beacon mounted on the equipment
30. Include pumping of water as required to complete scope of work.
31. Any additional work that is put out for pricing from the Construction Manager shall be returned within one (1) week. All pricing must be submitted with the following items broken out: Material, Labor, Equipment, overhead, and profit. The labor must be broken down by labor rate and hours.
32. Include attendance at weekly progress meetings, foremen meetings, safety meetings, and any other coordination meetings as necessary. This contractor will have a representative present at each weekly progress meeting on site. The time and day is to be determined. This representative at the meeting will possess knowledge on this contractor's scope, procurement, man power, etc... and have the authority to make decisions for this contractor concerning schedule and pricing. At a minimum the Project Manager and Field Foreman are required to be in attendance at progress meetings.
33. This contractor will provide a detailed schedule of the completion of submittals and shop drawings along with a detailed list of all materials showing accurate lead times from approved submittals/shop drawings.
34. Any field work tickets that are generated in the field by the Construction Manager should be submitted within one (1) week of being verified by Construction Manager's site superintendent with all cost associated broken down.
35. Daily reports are required to be filled out in detail and submitted to the superintendent at the end of each working day.
36. Coordinate openings required by this contract with other trades.
37. Each Work Package performing any excavations, trenching or earthwork must be familiar with the Geotechnical Report and bid their work accordingly. Each Contractor must provide suitable compacted materials per project documents and haul off-site any extra materials.
38. Temporary toilets will be provided by others.
39. Each Contractor will be required to make provisions for safety/access for own work such as; provide ladders, fall protection, drinking water, traffic control, signage, etc.
40. Each contractor must provide the necessary manpower to monitor, protect and adjust their work items placed in concrete, masonry grouting, etc. to ensure alignment of finished product.
41. Each contractor will be required to provide their own sleeves, core drill, or otherwise make own penetrations and seal openings for work through walls, floors and ceilings.
42. At locations where work is scheduled to take place over or on the finished roof, the installing Contractor will be required to place plywood down in their work area in order to protect the roof from materials and heavy foot traffic.
43. Each work package must coordinate with the Roofing Contractor in order to schedule installation of roof penetrations prior to roofing system installation.
44. All contractors should make arrangements to provide temporary lighting above and beyond what is installed as part of the Electrical work package as required to complete the Scope of Work. This includes any portable lighting and related power supply for any work required after hours to meet the construction schedule.
45. Each contractor must provide an electronic device capable of using MGC programs to track RFI responses, submittals, contract documents, schedule, meeting minutes, etc. MGC will not be responsible for printing documents for subcontractors.
46. **Material Escalation Costs:** Each Contractor is responsible for reviewing the Project Schedule for timing of delivery of equipment and materials to the jobsite. This includes

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accounting for material escalation costs associated with material to be installed, as well as potential labor rate increases. If equipment or materials are pre-purchased and stored, Contractors may bill for stored materials if they provide sufficient documentation (i.e. pictures, affidavits, proof of insurance, etc.) that the equipment or material is for the Salina High School project.

47. Contractor shall be responsible for keeping surrounding streets clean of mud and debris and track out resulting from the work include in their scope. Any Contractor whose operations disturb, disrupt, damage or obliterate any siltation control measure, track out reduction measure, or Best Management Practice process or practice will be responsible for the cost to replace or re-establish the measure.
48. If required to complete the scope of work, Contractor is to provide temporary generator power until permanent/temporary power is connected.
49. Owner's surveyor will provide benchmarks / control points at various locations. All Contractors are responsible for their own layout above and beyond. Any benchmarks that are damaged will be re-established by the Owner's surveyor at the expense of the Contractor responsible for the damage.

**Plans & Specifications**

1. This Contract to include all work complete per Contract Documents including:
  - a. Structural & Site Package Permit Set, dated November 4, 2015
  - b. Progress Set dated November 4, 2015 (Architectural & MEPFS For Reference Only)
2. Specification Sections that are included in the scope of this Work Package include all Division 0 and Division 1 specification sections and particularly specification sections:
  - a. Section 051200 Structural Steel Framing
  - b. Section 052100 Steel Joist Framing
  - c. Section 053100 Steel Decking

**Scope of Work**

1. Provide all necessary Labor, Materials and Equipment to perform this scope of work.
2. Provide all necessary rigging and hoisting requirements to perform the work.
3. Provide all BIM modeling and coordination pertaining to the steel scope of work.
4. Field touch up of steel primer to be included prior to painting.
5. All welding as required to complete this scope of work to be included.
6. Protection of work complete by other trades to be included.
7. Priming of all steel is included as required per construction documents.
8. All exposed steel or steel to be in permanently unconditioned space shall be hot-dipped galvanized as indicated on the contract documents.
9. Scheduled delivery dates of material on site to be in accordance with the construction schedule and coordinated with MGC on-site staff.
10. Include multiple mobilizations, demobilizations and remobilizations as required per project schedule.
11. Within ten (10) working days of its receipt of Notice of Award, the Subcontractor shall develop and submit for approval a listing of, and schedule for, submission of all required submittals. The schedule shall also reflect the required completion dates for submittal approval as it relates to the anticipated start date for the applicable Work activities.
12. All steel stored on site shall not be in mud/water/etc. and held up with dunnage provided under this scope of work. All steel shall be cleaned after erection to be made ready for subsequent trade work.
13. Provide, maintain and fuel any power generation equipment required for Work as well as all task lighting, extension cords, and other means for power distribution and lighting.
14. Coordinate and provide engineered shop drawings of all structural and miscellaneous steel. Shop Drawings to be reviewed and stamped by an Engineer licensed in the state of Kansas.
15. Provide copies of crane certification prior to start of material erection.
16. Subcontractor specifically includes existing conditions survey as necessary for connections detailed in contract documents.

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**Structural Steel**

17. Furnish and install all structural steel as described in contract documents complete including, but not limited to, structural steel columns, beams, joists, bracing and decking.
18. Furnish and install all bent plate angle, including nelson studs, at all slab edges and openings.
19. Include steel framing at parapet walls.
20. Include all required roof structure modifications.
21. Perform general cleaning of anchor bolts as required for erection.
22. Provide, install and maintain all 2-line railing at all edges and openings in slabs on deck. Subcontractor shall provide ½" steel cables, or 3/8" high strength steel cable at the proper height based on the concrete floor elevation. Removal to be by others.
23. Furnish and install all steel stairs and handrails. Stairs to be installed as soon as connecting floors decking is complete. Stairs and handrails at connection points to the existing building are included.
24. Include steel required at existing floor openings to be abandoned.
25. Include certified survey of anchor bolts and bearing surfaces as required per the contract documents.
26. Coordinate with MGC to schedule special inspections of structural steel as required per contract documents and applicable codes

**Miscellaneous Steel**

27. Furnish anchor bolts, embeds and all miscellaneous steel to other trades for installation.
28. Furnish and install all lintels connected to other structural steel items as shown. This Contractor shall provide labor, material, and equipment necessary to install steel lintels in excess of 300 lbs.
29. Furnish and install all ladders – including, but not limited to, elevator pit ladders.
30. Furnish and install all support steel required for athletic equipment.
31. Furnish and install all required hanging mechanical unit support steel.
32. Furnish and install all interior and exterior handrails, including stainless steel, aluminum and decorative handrails and accessories. Include railings, as required by code – including if drawings do not label railings, stairs and ramps. This includes all required concrete coring for handrail installation.
33. Includes mechanical screenwall and integral door. Metal Panel Contractor to include screen and door panels.
34. Includes all modifications required to existing handrails per Architectural Documents.
35. Coordinate mechanical equipment support steel locations with equipment.
36. This Contractor specifically includes providing and installing welded rebar cages at precast penetrations.
37. Furnish and install all CMU wall supports.
38. Furnish and install support steel for the operable partitions.
39. Include all framing required for mechanical chases and electrical conduit banks per MEPFS drawings and typical steel details.
40. Provide steel frames at each roof drain assembly and all steel framing at openings in floors and roof decking.
41. Steel supports and / or roof opening reinforcement for roof top equipment, roof hatches, roof drains, penetrations, etc to be included. Complete coordination of this work to be done with all applicable trades as shown and the MEP drawings.
42. Furnish and install all miscellaneous angles and steel as required to complete the scope of work, including materials shown on architectural drawings.
43. Provide all elevator hoist beams. Coordinate with the Elevator Subcontractor for size and connection design.

**Exclusions**

- a. Sales tax
- b. Onsite testing and/or special inspections

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**Unit Prices**

- a. Steel Erection Company \_\_\_\_\_
- b. Unit Price #1 – Hourly rate for crane and operator \$ \_\_\_\_\_
- c. Unit Price #2 – Hourly rate for iron worker \$ \_\_\_\_\_
- d. Additional Fabricated Structural Steel – Material Only \$ \_\_\_\_\_
- e. Additional Fabricated Miscellaneous Steel – Material Only \$ \_\_\_\_\_
- f. Iron Worker – Straight Time \$ \_\_\_\_\_
- g. Iron Worker – Overtime \$ \_\_\_\_\_
- h. Shop Labor \$ \_\_\_\_\_
- i. Crane – Straight Time \$ \_\_\_\_\_
- j. Crane – Overtime \$ \_\_\_\_\_

**Steel Fabrication Base Bid** \$ \_\_\_\_\_

**Steel Erection Base Bid** \$ \_\_\_\_\_

**Combined Steel Fabrication and Erection Base Bid** \$ \_\_\_\_\_

**Subcontractor Acknowledgement:** \_\_\_\_\_

The undersigned hereby declares that he/she has examined the Construction Documents, has visited the Site, and agrees to all terms and conditions set forth in this scope of work and all of the Contract Documents. The undersigned understands that his/her competence and responsibility and that of his/her subcontractors, time of completion, as well as any other factors of interest to the Owner may be a consideration in making award. The Owner reserves the right to reject any or all proposals and unit prices, and waive technicalities concerning the proposals received as it may be in his/her best interest to do so.

Name & Title: \_\_\_\_\_

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Work Package: \_\_\_\_\_