**KINCO BID MANUAL**

**Section 3: Scope of Work**

**Bid Package 26 10 – Electrical**

Your signature on this page is a confirmation of your bid and an acknowledgement and acceptance of the requirements of the Kinco Bid Manual, project schedule and all Addendums and CM Clarifications.

Company AR State Contractor’s License #

Name Title

Address

City State Zip Code

Phone Number w/ Area Code Email Address

**Specification:**

Bidders will include work from referenced specifications and other work normally associated with this trade whether referenced or not.

**Scope of Work:**

The bid package shall also include the following items but shall not limit more stringent requirements found elsewhere in the contract documents unless specifically listed as exclusion below.

1. Contractor is responsible for furnishing and installing a complete, fully operational, and electrical system in accordance with the contract documents, the National Electric Code, and all Authorities having jurisdiction. It is the intent and meaning of the contract documents that this Contractor provide an electrical system installation that is complete and all items and apparatuses necessary, reasonably incidental, or customarily included, even though each and every item is not specifically called out or shown.

* Basic Electrical Materials and Methods
* Grounding and Bonding
* Hangers and Supports for Electrical
* Building Wiring and Cable
* Raceway and Conduit
* Floor Boxes
* Wiring Connections
* Wiring Devices
* Lighting Control Devices
* Electrical Utility Service
* Electric Utility Metering
* Electrical Gear
* Enclosed Switches and Circuit Breakers
* Panel boards
* Lighting
* Exterior Lighting
* Voice and Data Cabling including terminations
* Wireless Access Points
* Central Battery Equipment

1. Contractor to provide and install all light fixtures with lenses, lamps, supports, brackets and standards for mounting light fixtures, and all wiring and conduit required to complete the electrical system shown in the Contract Documents
2. Contractor to coordinate the location of outlets, switches, fixtures with the Architectural Plans.
3. Contractor to supply and install University Standard light poles as shown on Civil plans.
4. It is the responsibility of this contractor to coordinate with the Millwork Contractor to provide all raceways, power, and control wiring for items on or around Millwork.
5. Contractor is to provide power to motorized shades, TV’s and AV equipment as necessary.
6. Contractor is responsible for all wiring and conduit required to complete the electrical system shown on the Contract Documents.
7. Contractor is responsible for all field engineering for this Contract including, but not limited to line, level, and layout for electrical systems; chases; block-outs; and openings.
8. Contractor is to furnish and install metal backing or wood blocking as required for items furnished and installed under this bid package.
9. Contractor is responsible for turning over to Mechanical Contractor all items, which are specified to be furnished by this Contractor and installed by the mechanical trades.
10. Contractor is responsible for electrical rough in, wiring, conduit and final connections to all equipment, specialties, door hardware, furnishings, interconnection wiring, and motors furnished under other sections of the Contract specifications.
11. Contractor is responsible for electrical concrete, rebar, and formwork for conduit encasement, if required.
12. Contractor is responsible for all product data submittals shall be submitted not less than 2 weeks following the issuance of a Notice to proceed by Kinco Constructors.
13. Contractor is to furnish and install all miscellaneous steel, unistrut, all-thread rod and accessories required for pipe supports, wall penetrations, floor penetrations and equipment supports associated with this Contractor’s scope of work.
14. Provide instructional training to Owner’s representatives of the electrical system operation and maintenance.
15. Coordination with other trades.
16. Furnish and install all required access doors required by the work of this bid package including those that are not specifically shown on the architectural drawings.
17. Contractor will provide layout information and furnish panels prior to the framing for openings.
18. Furnish and install all electrical systems identification including color-coding, stencils, labels, tags, etc., required by the contract documents or the Authorities having jurisdiction.
19. Furnish and install all sleeves, thimbles, inserts, and other embedded items required to complete the electrical installation, including sleeves with waterproofing for electrical installation passing through waterproofing or damp proofing areas and flashing/ pitch pockets through roof areas required to complete the Work of this bid package.
20. It is intended that this contractor will furnish and securely install all sleeves, thimbles, inserts, and other embedded items as required prior to drywall. All penetrations shall be cut to fit the device within a ¼ inch. This contractor will be required to patch drywall holes in excess of noted tolerances. Patches shall be flush with adjacent
21. Contractor shall be responsible for all expediting costs for material and fixtures if applicable to maintain schedule.
22. All sleeves and /or core drilling required to install the work of this Contract.
23. Furnish and install fire stopping, fire sealing, and caulking of the work of this bid package.
24. This Subcontractor to verify which starters are furnished with mechanical equipment and provide all other loose starters required for mechanical and electrical work.
25. Temporary electric power and lighting conforming to OSHA standards, sized and located adequately for use by all trades.
26. Connect temporary power to Construction Manager Project Office at beginning of project and disconnect temporary power to Construction Manager Project Offices at the end of the project.
27. Trenching and excavation safety systems as required.
28. All ceiling heights are to be maintained per the contract documents. The contractor shall coordinate all above ceiling work with the work of other trades to ensure the ceiling heights are met for the remainder of the work. Prior to installation of work, this contractor shall coordinate a meeting with affected above ceiling trades to coordinate the dimensioned location of his work and the work of other trades to ensure above ceiling systems are routed and coordinated as required to fit in available spaces.
29. Contractor is responsible for all excavation, backfill, compaction, and haul-off of excess material required to complete the work as shown on the Contract Documents including compaction of subgrade and replacement gravel at slab on grade if disturbed during pluming rough in. All under-slab backfill to be ¾”washed rock.
30. Coordinate and make final connections and /or install Owner-furnished equipment.
31. Furnish and install power to all electrical panels.
32. Contractor to provide all electrical, lighting and fire alarm components for the elevator per the elevator manufacturers requirements and state elevator code. This may mean additional disconnects and wiring other than shown in the contract documents.
33. Contractor is to furnish and install a complete, fully operational, communication and data system in accordance with the contract documents, the National Electric Code, and all Authorities having jurisdiction. It is the intent and meaning of the contract documents that this Contractor provide a communication and data system installation that is complete and all items and apparatuses necessary, reasonably incidental, or customarily included, even though each and every item is not specifically called out or shown.

* Cable Trays (Ladder Type, Wire Basket Type, Single Rail)
* Grounding and Bonding
* Hangers and Supports for Data/Communication
* Building Cable
* Raceway and Conduit
* Floor Boxes
* Cable Connections
* Cable Devices
* Telecommunications & Data Mounting Elements
* Backboards
* Telecommunications & Data Equipment Racks & Cabinets
* UTP Cabling
* Single Mode Optical Fiber Cabling
* Multiuser Telecommunications & Data Outlet Assemblies
* Cable Connecting Hardware, Patch Panels, and Cross Connects
* Telecommunications and Data Outlets/Connectors
* Voice and Data Cabling including terminations
* Cabling System Identification Products
* Cable Management System Contractor to meet all project specified sustainability requirements

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| --- | --- |
| **BASE BID to provide labor and furnish and install materials as**  **required by this bid package and listed specifications.** | **$** |
| **BOND COST to furnish a Payment and Performance Bond for this**  **project.** | **$** |
| **TOTAL BID AMOUNT – BASE BID AND BOND COST** | **$** |

|  |  |
| --- | --- |
| **ALTERNATE #1 –** | |
|  | **$** |

VOLUNTARY VALUE ANALYSIS

Value Analysis propositions will be strongly considered in the subcontractor selection process. Bidders are encouraged to explore and identify Value Analysis savings for this scope of work. Please describe below (and on separate page if necessary) any cost saving opportunities as well as potential savings:

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Bidder acknowledges receipt of the following addenda:

1. Dated:
2. Dated:
3. Dated:

Bidder acknowledges receipt of the following CM Clarifications:

1. Dated:
2. Dated:
3. Dated: