

BID PACKAGE 26A: Electrical REVISED (CMC 01)

This Bid Package includes “Bid Package 01A: General Scope Requirements”. Submission of a bid for this Bid Package acknowledges and incorporates Bid Package 01A.

A. PROJECT SPECIFIC REQUIREMENTS

1. Furnish and install all electrical systems as shown and described on the E drawings, including all notes listed under General Electrical Notes, Electrical Demolition Notes, Keyed Notes, General Lighting Notes, Lighting Keyed Notes, General Power Notes, Keyed Power Notes, General Special Systems Notes, Keyed Special Systems Notes.
2. Include all demo shown on E2.0.
3. Provide conduit for ALL low voltage work.
4. Provide all power to mechanical equipment.
5. Provide temporary electric and lighting for construction operations if deemed necessary by the Construction Manager.
6. Perform utility work shown on E2.2.
7. All penetrations through a fire assembly are to be fire caulked by this contractor.
8. Ensure all materials submitted and incorporated into the project are listed components per specifications, or substitutions are submitted for approval prior to bidding. Post-bid substitution requests will be rejected.
9. Submittals, samples, and shop drawings are due within **two weeks** of acceptance of bid. Schedule delays resulting from revisions for which trade contractor is responsible may result in contract sanctions. Familiarity with and comprehension of the specifications is imperative.

LOW VOLTAGE SCOPE (DATA & FIRE ALARM)

1. Provide cable for data and telephone wiring per E1.1. Reference E2.3 and E2.4 for data locations.
2. Provide a complete fire alarm system.
3. Cable and devices for security cameras and access control will be by owner. **(CMC 01)**

B. TRADE SPECIFIC REQUIREMENTS

1. The work under this Trade Contract includes all of the conduit systems, wiring, equipment, and devices as specified in the contract documents to provide a completely installed and electrically wired system to fully function as intended. This includes but not limited to: all building and site power requirements, light poles, wall packs, light

Construction Manager's Manual – RPS Administration Renovation Phase 3 fixtures, lightning protection, low voltage conduit and raceways per plans and specs, etc. as called out on contract documents.

2. Include all lighting and lighting control systems. This includes, but is not limited to, interior lighting, exterior lighting, landscape lighting, walkway lighting, lighting integrated with millwork or architectural features, site lighting, parking lot lighting, exit and emergency lighting, etc., as applicable.
3. This Subcontractor to perform and provide the Construction Manager an inventory of light fixtures as they arrive on site as well as identify long lead time light fixtures and their status throughout the course of the project.
4. Bidder to timely supply the necessary materials, installation and removal for temporary electrical power and lighting required for construction of the project. All installations will be in accordance with the prime contract and all applicable codes and safety regulations. Bidder acknowledges that due to the nature of this project, work activities for various trades will need to be performed before and after hours. Sufficient lighting for these work activities shall be provided.
5. All temporary lighting per specifications and OSHA requirements in all rooms, building exterior and storage/laydown area.
6. Electrical hookup/disconnect of all equipment and furnishings is included within the scope of this subcontract whether supplied hereunder or supplied by others. Similarly, all other conduit, wiring, controls, panels, starter and any other work customarily performed by electrical trades.
7. Supply and install all sleeves, hangers, racks, supports, anchoring devices, etc. necessary to complete this work.
8. Include conduit and boxes with pull strings for communications, electronic safety, and security systems.
9. Include caulking and sealing around all electrical penetrations through walls, floors, etc.
10. Any penetrations completed after the roof is installed is the financial responsibility of this bidder for the roofer to flash per roof installation requirements.
11. Grout all floor boxes as necessary for a complete installation.
12. Include labeling and color coding of all equipment, conduit, lines and panelboards.
13. If required, Touch-up painting of bidder's furnished factory painted equipment.
14. Include all permits and fee's for this scope of work as applicable for state and local laws.
15. All openings in equipment, piping and conduit shall be closed to prevent entrance of any foreign matter.
16. Include all grounding and similar protection for all phases of the project.
17. Include manpower, equipment, and incidentals required to receive, off-load, store, distribute, and hoist all the materials and equipment furnished under this trade or for materials and equipment to be installed by this trade.
18. Bidder shall perform all floor and wall penetrations. Include sleeves.
19. Trade Contractor understands that coordination with other Trades and Suppliers is essential, and that locations of various lines and ducts must be done on a priority basis.

20. Multiple mobilizations as required.
21. As-built drawings are to be maintained throughout construction and a digital copy shall be submitted to Construction Manager immediately following completion of electrical systems.
22. Include all shoring, excavation, bedding, backfill, and compaction. Full depth base rock backfill under specified or noted areas.
23. Include identification requirements in methods specified, indicated, required, shown, or otherwise approved.
24. Provide blank cover plates on all boxes not used.
25. Furnish and install all steel supports as required for mounting the electrical equipment.
26. Subcontractor shall review all mechanical/plumbing schedules and provide all electrical work required for complete, finished, and operational systems.
27. Install power supplies, where required.
28. It is understood that some electrical shutdowns or tie-ins by the Trade Contractor may have to be performed during off hours. The Trade Contractor amount includes all costs required for such work.
29. Any conflicts between the plumbing, HVAC, fire protection, electrical, and theatrical trade contractors in the complete performance of their contractual requirements, will be resolved at no cost to the Construction Manager. If such a conflict occurs, the Construction Manager shall serve as arbitrator and his decision shall be final and binding. This paragraph is applicable to the subcontractor performing work pertaining to these CSI divisions.

C. PROJECT SPECIFIC EXCLUSIONS

1. All saw cutting and concrete pour back.
2. Cable for access control and security. **(CMC 01)**

D. ALTERNATE PRICING (to be completed on BID FORM)

1. ALT 01: Replace section of conduit and install new conductors as shown on E2.2.
 - a. Include excavation and backfill at conduit location. (Saw cutting and pour back to be by others).
 - b. Include conduit demo.

E. UNIT PRICING (to be completed on BID FORM)

1. None.