

**Murray Contractors BID MANUAL
Section 26 ELECTRICAL****Bid Package # 26 ELECTRICAL**

Your signature on this page is confirmation of your bid and an acknowledgement and acceptance of the requirements of the Murray 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.

1. 26 0000 SUPPLEMENTARY ELECTRICAL GENERAL CONDITIONS
2. 26 0505 SELECTIVE DEMOLITION FOR ELECTRICAL
3. 26 0519 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES
4. 26 0526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
5. 26 0529 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
6. 26 0533.13 CONDUIT FOR ELECTRICAL SYSTEMS
7. 26 0533.16 BOXES FOR ELECTRICAL SYSTEMS
8. 26 0553 IDENTIFICATION FOR ELECTRICAL SYSTEMS
9. 26 0583 WIRING CONNECTIONS
10. 26 0923 LIGHTING CONTROL DEVICES
11. 26 2100 LOW-VOLTAGE ELECTRICAL SERVICE ENTRANCE
12. 26 2413 SWITCHBOARDS
13. 26 2416 PANELBOARDS
14. 26 2726 WIRING DEVICES
15. 26 2816.16 ENCLOSED SWITCHES
16. 26 5100 INTERIOR LIGHTING
17. 26 5600 EXTERIOR LIGHTING
18. 28 1300 FIRE DETECTION AND ALARM
19. 07 8400 FIRESTOPPING

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. Provide all labor, supervision, equipment, hoisting, materials, licenses, and trade permits required to perform all work, turnkey, outlined in this subcontract. Work not specifically shown but considered a standard requirement in the completion of this work is included.
2. All applicable sales tax (unless noted otherwise)
3. Submittals and shop drawings submitted to Murray Contractors within (14) days of award of contract.
4. Closeout documents submitted per Murray Contractors closeout procedures with (14) days prior to the original substantial completion date of the project.
5. Specified warranties shall be from the date of substantial completion.
6. Freight to the jobsite as it pertains to this scope of work, including any quick-shipment premiums.
7. Maintain accurate as-built drawings.
8. Verification of elevations and field measurements shown on documents prior to commencing work.
9. Installation of materials over substrate indicates acceptance of substrate.
10. Required layout for this scope, benchmark provided by others.
11. Required coordination with other trades.
12. Multiple mobilizations as required to perform this scope of work.
13. Subcontractor to run power to the jobsite trailer.
14. Should this subcontractor delay the critical path schedule, subcontractor shall provide all necessary overtime and manpower required to return this scope of work to be on schedule no cost to Murray Contractors.
15. Qualified, properly trained, and experienced supervision at all times.
16. Unloading of materials and deliveries to be placed on proper dunnage to prevent product damage.
17. Provide weather protection for stored materials.
18. Repair and replace any damage done to existing SWPPP measures by this trade.
19. Cleanup of any track out by this trade.
20. Subcontractor is responsible for damage done by its own forces to other trade's work.
21. Provide daily clean-up of all debris generated by subcontractor to Murray Contractors provided dumpster.
22. Compliance with all rules, regulations, and requirements of local, state, and federal authorities.
23. All work shall strictly comply with adopted building codes. Any discrepancies should be clarified and approved by authority having jurisdiction.
24. Full compliance with Murray Contractors safety policies and all governing OSHA guidelines.
25. All cost associated with perimeter safety, fall protection, and personal protective equipment.
26. Full compliance with OSHA "Hot Work" policy.
27. All equipment operators to be properly trained and OSHA certified.
28. Prevailing wage rates and documentation.
29. Parking fees, shuttle cost, and transportation for this trade.

Trade Specific Scope of Work

1. Perform field verification of existing conditions, utility locations, site conditions, and coordination with architectural, structural, mechanical, plumbing, kitchen, landscape, and civil drawings prior to starting work.
2. Coordinate with the local utility for new service entrance, transformer pad, metering equipment, and all requirements for delivery of service to the project; include all utility coordination, fees, permits, and labor associated with the new service.
3. Furnish and install complete low-voltage electrical service entrance per Section 26 2100, including underground conduits, conductors, metering equipment enclosure (per utility), and connections from utility transformer to main distribution panel.

4. Furnish and install main distribution switchboard (MDP) and all branch panelboards (HP1A, HP1B, HP2, SP1–SP7, GP, WGP, MP, and site panels) per schedules and one-line diagram, including breakers, SPD where specified, and engraved nameplates.
5. Provide and install all feeders, branch circuit conductors, and cables per Section 26 0519 (copper conductors, proper sizing, plenum-rated where required) for building and site loads.
6. Furnish and install complete conduit and raceway systems per Section 26 0533.13 for all power, lighting, and equipment circuits (building and site), including underground, in-slab, above-ceiling, and exposed runs; maintain required depths, clearances, and coordination with civil/landscape.
7. Furnish and install all conduit, raceways, cable trays, and backboxes for structured cabling (data/tele), fire alarm, AV, security, POS, kitchen equipment, HVAC controls, irrigation controls, and other low-voltage systems (building and site) per drawings and applicable standards (TIA-569 clearances, dedicated sleeves, pull strings, and plastic bushings as noted).
8. Furnish and install all outlet boxes, junction boxes, and device boxes per Section 26 0533.16 for power receptacles, switches, lighting, data, fire alarm, and specialty devices (building and site); coordinate exact locations and mounting heights with Architect and other trades prior to rough-in.
9. Provide complete grounding and bonding system per Section 26 0526 and NEC Article 250 for building and site, including equipment grounding conductors, grounding electrode system, and bonding of all panels, racks, poles, and equipment.
10. Furnish and install hangers, supports, and seismic restraints for all electrical systems and pathways per Section 26 0529.
11. Furnish and install all wiring devices (receptacles, switches, GFCIs, AFCI where required, occupancy sensors, etc.) per Section 26 2726 and drawings; provide cover plates and labeling.
12. Furnish and install all enclosed switches, disconnects, and motor starters per Section 26 2816.16 for HVAC, kitchen, site equipment, and other loads.
13. Provide complete interior lighting system per Section 26 5100 and Lighting Fixture Schedule for all buildings, including fixtures, drivers, emergency lighting, exit signs, and controls.
14. Provide complete exterior building lighting (wall packs, sconces, etc.) per drawings and schedules.
15. Provide complete site lighting system per Landscape Lighting Plans (L-230 series) and Lighting Schedule (L-236), including path lights, pedestrian lamps, bollards, wall lights, pendant lights, up lights, and related fixtures.
16. Furnish and install all site lighting poles, foundations, bases, and associated underground conduit and wiring for pedestrian lamps, bollards, and other freestanding site fixtures.
17. Provide and install LED tape lighting and related low-voltage systems for boardwalks and other site features as indicated (including alternate if accepted).
18. Furnish and install lighting control devices and systems per Section 26 0923 for building and site (occupancy sensors, photocells, time clocks, emergency power transfer devices, etc.).
19. Provide all wiring connections to mechanical, plumbing, kitchen, irrigation, and Owner-furnished equipment per Section 26 0583; coordinate final connections, disconnects, and control wiring.
20. Provide identification of all panels, circuits, conductors, and equipment per Section 26 0553 (engraved nameplates, circuit directories, color coding, and labeling) for building and site.
21. Coordinate and provide power and pathways for kitchen equipment, HVAC units, fire suppression, irrigation controllers, and other specialty systems; install shunt-trip and emergency shutdown devices as indicated.
22. Provide emergency power provisions, including transfer devices and connections for emergency lighting and life-safety systems as shown.
23. Provide all underground site electrical distribution, including conduits for power, lighting, data, and low-voltage systems coordinated with civil grading, paving, and landscape.
24. Coordinate site electrical rough-in with civil and landscape contractors for conduit placement prior to paving, planting, and hardscape installation; protect existing trees and utilities per tree protection plans.
25. Provide temporary power and lighting as required during construction.
26. Perform all testing, including continuity, insulation resistance, grounding, and functional testing of panels, circuits, lighting (building and site), and controls; assist other trades with their system testing.
27. Provide firestopping at all electrical penetrations of rated assemblies (coordinate with Section 07 8400).

28. Coordinate with Structured Cabling, Fire Alarm, AV, and other low-voltage contractors to ensure pathways and boxes are complete, accessible, and properly sized before their work begins.
29. Coordinate with Landscape Architect and Civil Engineer for final locations of all site lighting, conduit routes, and equipment prior to installation.
30. Provide as-built drawings (building and site), panel schedules, O&M manuals, and closeout documentation.
31. Provide warranties per specifications and correct defective work during the warranty period.
32. Maintain a clean, safe work area, protect existing work to remain, and comply with site erosion control and tree protection requirements throughout construction.
33. Furnish and install all site electrical for water features, fountains, or specialty landscape elements as indicated on plans.
34. Provide power and control wiring for site irrigation system controllers and valves as shown on landscape irrigation plans.
35. Coordinate and install all electrical requirements for site furnishings, gates, or other powered site elements.
36. Provide complete labeling and identification of all site electrical circuits, panels, and equipment.
37. Perform final walkthrough and punch list corrections for all building and site electrical work.
38. Provide all required closeout documentation, including as-builts showing actual conduit routes and fixture locations for site work.

Base Bid Amount

	\$
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Bid Breakouts

	\$	
	\$	
	\$	

Alternates

Alternate #	Description	Amount
		\$
		\$
		\$

Addenda

Addenda #	Date

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:

Unit Prices:

The contract between Murray Contractors and the successful low bidder will be a fixed lump sum Subcontract Agreement. For revisions to the scope of the project and/or revisions to the contract documents, the lump sum contract amount would be adjusted by change order at the following unit prices. All unit prices shall include labor, materials and equipment. Where applicable to Scope of Work, provide the following unit prices. (Insert N/A if it does not apply)

Unit Price	Amount	Unit
	\$	
	\$	
	\$	