

**Murray Contractors BID MANUAL**
Section 28 FIRE ALARM AND DETECTION**Bid Package # 28 FIRE ALARM AND DETECTION**

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. 28 1300 FIRE DETECTION AND ALARM
2. 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. 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.
14. Qualified, properly trained, and experienced supervision at all times.
15. Unloading of materials and deliveries to be placed on proper dunnage to prevent product damage.
16. Provide weather protection for stored materials.
17. Repair and replace any damage done to existing SWPPP measures by this trade.
18. Cleanup of any track out by this trade.
19. Subcontractor is responsible for damage done by its own forces to other trade's work.
20. Provide daily clean-up of all debris generated by subcontractor to Murray Contractors provided dumpster.
21. Compliance with all rules, regulations, and requirements of local, state, and federal authorities.
22. All work shall strictly comply with adopted building codes. Any discrepancies should be clarified and approved by authority having jurisdiction.
23. Full compliance with Murray Contractors safety policies and all governing OSHA guidelines.
24. All cost associated with perimeter safety, fall protection, and personal protective equipment.
25. Full compliance with OSHA "Hot Work" policy.
26. All equipment operators to be properly trained and OSHA certified.
27. Prevailing wage rates and documentation.
28. Parking fees, shuttle cost, and transportation for this trade.

Trade Specific Scope of Work

1. Perform field verification of existing conditions and coordinate device locations, pathways, and control panel locations with the Architect, Electrical Contractor, and AHJ prior to starting work.
2. Submit product data, shop drawings (including riser diagrams, device layouts, input/output matrix, and battery calculations), designer qualifications (NICET Level III or IV or registered FPE), installer qualifications, and all required submittals.
3. Furnish and install a complete addressable fire alarm system (FACU and associated equipment) per Section 28 1300 and NFPA 72, including control panel, power supplies, batteries, and programming for a fully functional system.
4. Furnish and install all initiating devices (smoke detectors, heat detectors, manual pull stations, waterflow switches, supervisory switches, etc.) as indicated on the drawings and required by code.
5. Furnish and install all notification appliances (horns, strobes, speakers, combination units) in accordance with NFPA 72 audibility and visibility requirements, ADA, and the drawings.
6. Furnish and install all fire alarm wiring and cabling (plenum-rated where required) through pathways and boxes provided by the Electrical Contractor; maintain Class B pathway designations for SLCs, IDCs, and NACs as specified.
7. Provide dedicated branch circuit power connections (NPLFA and PLFA as applicable) and coordinate with Electrical Contractor for red-identified circuits and disconnecting means.
8. Provide complete system interfaces and control functions for elevator recall, HVAC shutdown, door release, kitchen hood suppression, fire suppression systems, and other emergency control functions as indicated.
9. Furnish and install all required end-of-line resistors, relays, modules, and accessories for a supervised system.
10. Provide system identification and labeling of all devices, cables, circuits, and equipment per Section 26 0553 and approved submittals.
11. Coordinate exact device locations and mounting heights with the Architect and Owner prior to installation; obtain approval before proceeding.
12. Provide firestopping at all fire alarm penetrations of rated assemblies in accordance with Section 07 8400 and manufacturer requirements.
13. Perform preliminary testing and troubleshooting during installation to verify circuit integrity and device operation.

14. Perform complete system testing and inspection in accordance with NFPA 72 and AHJ requirements, including functional testing of all devices, notification appliances, and control functions.
15. Coordinate with the AHJ for required inspections and tests; provide qualified supervisor for all testing.
16. Complete a 14-day diagnostic period of normal operation without malfunctions prior to final acceptance.
17. Provide owner training (administrative and basic operation) and closeout demonstration of the system.
18. Furnish project record documents (as-builts showing actual device locations, wiring diagrams, and "as-programmed" sequences) and NFPA 72 Record of Completion.
19. Provide operation and maintenance data, spare parts, tools, software, and a maintenance contract for the warranty period.
20. Coordinate with the Electrical Contractor to verify that all pathways and boxes are complete and acceptable prior to cable pulls and device installation.
21. Coordinate with other trades (elevator, mechanical, kitchen, fire suppression) for interfaces and shutdowns.
22. Provide warranties per specifications and correct defective work during the warranty period. Furnish and install all labeling as specified.

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
	\$	
	\$	
	\$	