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FIRE ALARM SYSTEMS

AK Security Alarm

Estimate

For:	Gus Papagolos gpapagolos@verizon.net Job Site: EOC LABOR 521 N Langstaff St Lake Elsinore, CA 92530 (951) 764-2417	Estimate No: Date:	918 10/03/2023
Ship To:	Job Site: 521 N Langstaff St Lake Elsinore, CA 92530	Tracking No Ship Via FOB	

Code	Description	Quantity	Rate	s	Amount
	A rough breakdown of the $170,000.00 budget allocation for each phase of the project based on the items listed.				
	1. Programming 4X4 Video Wall, Data Center and A/V Throw-out new building: This phase includes programming the 4X4 video wall and setting up audio-visual equipment in the data center	1	$22,000.00	0%	$22,000.00
	2. QSC Control: This allocation covers the cost of QSC control systems for audio and video control.	1	$53,000.00	0%	$53,000.00
	3. Fire System Installation: This phase includes the installation of fire alarms, smoke detectors, sprinkler systems, and related equipment.	1	$20,000.00	0%	$20,000.00

Code	Description	Quantity	Rate	s	Amount
	4. Alarm System Installation: This allocation covers the installation of the alarm system for security purposes.	1	$15,000.00	0%	$15,000.00
	5. Access Control Installation: This phase involves the installation of access control systems for secure entry points.	1	$10,000.00	0%	$10,000.00
	6. Access Points Installation: This covers the installation of network access points for wireless connectivity throughout the building.	1	$7,000.00	0%	$7,000.00
	7. Executive Conference Room Installation: This phase includes the setup and installation of audio-visual equipment in the executive conference room.	1	$10,000.00	0%	$10,000.00
	8. War Room Installation: This allocation covers the setup and installation of technology in the war room.	1	$5,000.00	0%	$5,000.00
	9. Data Port and Termination: This involves the installation of data ports and the termination of network cabling throughout the building.	1	$8,000.00	0%	$8,000.00
	10. Pull Boxes Termination: This phase covers the termination of pull boxes for cable management.	1	$3,000.00	0%	$3,000.00
	11. Radio Set-Up: This includes the setup of radio communication systems within the building.	1	$5,000.00	0%	$5,000.00
	12. Fiber Bridge Install & Set Up: This phase involves the installation and setup of fiber optic bridges for high-speed data transmission	1	$7,000.00	0%	$7,000.00
	13. Building Light Control: This allocation covers the integration of a building-wide lighting control system.	1	$5,000.00	0%	$5,000.00
			Labor Subtotal		$170,000.00

Subtotal	$170,000.00
s 0%	$0.00
Shipping	$0.00
Total	$170,000.00

Total **$170,000.00**

Notes

Scope of Work: City of Lake Elsinore EOC New Building

Project Overview:
The City of Lake Elsinore is undertaking the construction of a new Emergency Operations Center (EOC) building located at 521 N Langstaff St, Lake Elsinore, CA 92530. This scope of work document outlines the requirements for the installation and integration of various systems and infrastructure within the new building, including AV video wall, alarm system, fire system, wireless access points (APs), access control, data infrastructure, and the server room.

1. AV Video Wall Installation:

Provide and install a state-of-the-art audio-visual (AV) video wall system.
Configure the video wall for seamless display of emergency information, data feeds, and video feeds.
Ensure compatibility with various input sources and video formats.
Provide training for City staff on the operation and maintenance of the AV video & audio throughout.

2. Alarm System Installation:

Design, install, and configure a comprehensive alarm system to ensure the security of the EOC building.
Include intrusion detection, motion sensors, and door/window sensors.
Integrate the alarm system with the central monitoring station for immediate response.

3. Fire System Installation:

Install a fire detection and suppression system that complies with local fire safety codes and regulations.
Include smoke detectors, fire alarms, fire extinguishers, and emergency exit signage.
Ensure regular maintenance and testing of the fire system.

4. Wireless Access Points (APs):

Plan and install wireless access points throughout the building to provide reliable Wi-Fi coverage.
Ensure sufficient coverage for staff and emergency personnel.
Implement security measures to protect the wireless network from unauthorized access.

5. Access Control System:

Install an access control system to manage entry and exit points within the EOC building.
Include card readers, keypads, and biometric access where required.
Configure access levels for different personnel and provide audit trail capabilities.

6. Data Infrastructure:

Design and install a robust data infrastructure, including structured cabling and networking equipment.
Ensure high-speed internet connectivity and data transfer capabilities.
Establish redundancy and backup systems for data resilience.

7. Server Room Setup:

Design and build a secure and climate-controlled server room within the EOC building.
Install server racks, cooling systems, and fire suppression equipment.
Implement physical and environmental security measures to protect critical infrastructure.

8. Compliance and Testing:

Ensure that all systems installed comply with relevant local, state, and federal regulations and codes.
Conduct thorough testing and commissioning of all systems to verify their functionality and reliability.
Provide documentation and training to City personnel for system operation and maintenance.

9. Project Timeline:

Establish a project timeline with milestones and completion dates for each system installation and integration phase.
Regularly update the City on progress and any potential delays.

10. Project Management:

Appoint a dedicated project manager responsible for overseeing the entire scope of work and coordinating with subcontractors and relevant authorities.
Maintain open communication channels with the City and provide regular updates on the project's status.

This scope of work outlines the key components necessary for the successful completion of the City of Lake Elsinore EOC New Building project. It is imperative that all systems and infrastructure are installed, integrated, and tested to ensure the functionality and security of the Emergency Operations Center. Any changes or deviations from this scope must be documented and approved by the City before implementation.

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Client's signature