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# El Camino Real Charter High School Football Stadium Audio System Proposal



## El Camino Real Charter High School

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Presented By  
**Sonic Fidelity**

Presented On  
**Mar 18, 2024**

Version  
**1**

# Project Overview

This proposal covers the Football Stadium Audio System for the El Camino Real Charter High School Project.

Included in this proposal is the following:

- L-Acoustics recommended Audio System deployment for the space
  - Qty 4 L-Acoustics Soka Full Range Loudspeakers with hardware for post-mounted application.
  - Qty 16 L-Acoustics 5XT Compact Loudspeaker with hardware for post-mounted application.
  - Qty 4 L-Acoustics L-Acoustics KS2i Subwoofer with hardware for floor-mounted application.
  - Qty 4 L-Acoustics LA2Xi Amplifiers.
    - Compared to the original system design by L-Acoustics, with this system design revision, Head-end equipment is to be separated between Home and Visitor sides to alleviate issues with restrictions on cabling across the field. Additionally larger subwoofers to be placed under bleachers to provide a more powerful lower-frequency experience, and avoid issues with weight-support concerns and limited speaker cabling ability to speaker posts.
- Qty 2 Steel, Weatherized Equipment Rack Enclosure for housing associated system equipment, with solid locking door. Includes necessary rack accessories such as fans, shelves and cover plates.
- Qty 2 Panamax 20amp IP-Controlled Power Conditioner and Surge Protector. Includes app-based reboots to allow for fast system reboots and remote-troubleshooting.
- Qty 2 Araknis 8-port Gigabit Managed Network Switch to provide for network connectivity for associated components. Please Note: This system will require a hardwired network connection provided by the facility.
- Qty 4 Balanced Audio Extenders to send audio from Control Booth to amplifier locations in Rack Enclosures, over existing Category-Type Cabling.
- All necessary cabling, connectors and converters required by the above components.
- L-Acoustics On-site calibration and training for this system.
- Qty 4 Metal stands for Visitor side equipment rack and subwoofers to raise off the ground, preventing environmental damage. A concrete pad will be required to secure stands for safety and theft prevention.
- OPTIONAL Conduit work for speaker cabling runs is included. This work is necessary, but can be provided by another contractor if so desired.

Please Note:

- Proposed installation time is assuming unimpeded access to the space during standard business hours of 8am-5pm Mon-Fri. Restrictions on access, or requests for off-hours install may incur additional installation costs.
- Access to a personnel lift, with ability to reach installation locations, will be required for this installation. Lift rental costs are not included in this proposal, and if equipment rental is necessary, costs will be included in final balance billing.
- Post-Mounted Speaker installation was specified by L-Acoustics in this system design, and assumes proper support for weight load at each post location. L-Acoustics representative informed us this was verified in original walk-through. If proper support can not be found, additional sub-contractor work may be required for support reinforcement. Our team will not install in unsafe or questionable circumstances.







## About Us

Sonic Fidelity and Security Alarm Specialists specialize in System Integration of high-end residential and commercial systems, using Industry leading platforms such as Control4, Sonos, Josh AI, Access Networks, Araknis Networks, Lutron, Honeywell and Qolsys Security. We help bring the ideas of Smart Automation into reality by working very closely with energy efficient systems to manage your audio/video, security systems, data, communications, lighting control, shades and HVAC (air conditioning and heating).

Sonic Fidelity's main focus is in high-end audio/video systems and Smart System Integration. Our team of qualified experts designs and installs high quality systems in new and existing construction. We can build the home theater of your dreams, provide the newest in WiFi Networks, and seamlessly integrate your multi-zone and audio/video systems in your home or business. Whether it be standard remotes, app-based control, or voice control platforms, we can help find the right solution for your needs. Our team handles every phase of each discipline that we offer, from pure concept to finished project. We can make it real, and we can make it really simple!

## Locations

### Equipment Head-End - Home Side

ITEM		QTY	UNIT PRICE	TOTAL
	<b>4-Channel Passive Balanced Audio Extender over Category Cable (Female)</b>	2	\$216.67	\$433.34
	<b>4-Channel Passive Balanced Audio Extender over Category Cable (Male)</b>	1	\$216.67	\$216.67
	<b>Altelix HN-0005</b> Keyed Lock Set with Keys for NS/NX/NFC Series Enclosures	1	\$14.99	\$14.99
	<b>Altelix NS322416VFA1R2C-R8U</b> Altelix 32x24x16 Steel Weatherproof NEMA Enclosure with Heavy Duty 19" Wide 8U Rack Frame, Dual Cooling Fans, Single 120 VAC Duplex Outlet and Power Cord	1	\$1,573.99	\$1,573.99
	<b>Araknis Networks AN-310-SW-F-8</b> 310 Managed Switch w/ Front Ports	1	\$391.03	\$391.03
	<b>CleanBox ART-CLEANBOXPRO</b> Pro Dual Channel Level Converter	1	\$64.95	\$64.95



Hosa Technology CMK-003AU

6

\$20.00

\$120.00

HOSA EDGE MIC CBL XLR M-F 3'



L-Acoustics LA2Xi US

2

\$4,970.00

\$9,940.00

Install-Specific Amplified Controller 4 x 640 W / 4 Ohms, US Version



Panamax M4320-PRO

1

\$1,094.95

\$1,094.95

1 RU 20 AMP 8 BlueBOLT Programmable Outlets with Auto Reset, 10feet IEC Cord



Strong SR-LACEBAR-H

1

\$38.59

\$38.59

Rack Horizontal Lacing L Bar - Pack of 5



Strong SR-VENT-1U

4

\$22.83

\$91.32

Rack Vented Panel | 1U



Wirepath WP-PC-C6TR-5-BLK


4

\$7.42

\$29.68

CAT6 ThinRun Ethernet Patch Cable - 5ft, Black

## Equipment Head-End - Visitor's Side

ITEM	QTY	UNIT PRICE	TOTAL
 <p>4-Channel Passive Balanced Audio Extender over Category Cable (Male)</p>	1	\$216.67	\$216.67



<b>Altelix HN-0005</b>	1	\$14.99	\$14.99
Keyed Lock Set with Keys for NS/NX/NFC Series Enclosures			



<b>Altelix NS322416VFA1R2C-R8U</b>	1	\$1,573.99	\$1,573.99
Altelix 32x24x16 Steel Weatherproof NEMA Enclosure with Heavy Duty 19" Wide 8U Rack Frame, Dual Cooling Fans, Single 120 VAC Duplex Outlet and Power Cord			



<b>Araknis Networks AN-310-SW-F-8</b>	1	\$391.03	\$391.03
310 Managed Switch w/ Front Ports			



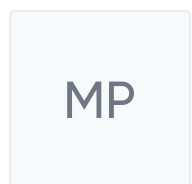
<b>CleanBox ART-CLEANBOXPRO</b>	1	\$64.95	\$64.95
Pro Dual Channel Level Converter			



<b>Hosa Technology CMK-003AU</b>	2	\$20.00	\$40.00
HOSA EDGE MIC CBL XLR M-F 3'			




<b>L-Acoustics LA2Xi US</b>	2	\$4,970.00	\$9,940.00
Install-Specific Amplified Controller 4 x 640 W / 4 Ohms, US Version			







<b>Metal Platform 24"Wx 18"Hx 18"D, 18" deck height, Rust-Resistant</b>	1	\$412.00	\$412.00
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<b>Panamax M4320-PRO</b>	1	\$1,094.95	\$1,094.95
1 RU 20 AMP 8 BlueBOLT Programmable Outlets with Auto Reset, 10feet IEC Cord			








	<b>Strong SR-LACEBAR-H</b> Rack Horizontal Lacing L Bar - Pack of 5	1	\$38.59	\$38.59
	<b>Strong SR-VENT-1U</b> Rack Vented Panel   1U	4	\$22.83	\$91.32
	<b>Wirepath WP-PC-C6TR-5-BLK</b> CAT6 ThinRun Ethernet Patch Cable - 5ft, Black	4	\$7.42	\$29.68

## Stadium - Home Side

ITEM		QTY	UNIT PRICE	TOTAL
	<b>Conduit with Installation</b> <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">OPTIONAL</span>	1	\$750.00	\$750.00
	Includes conduit and all necessary parts, with physical installation included. Does not include trenching.			<span style="background-color: #28a745; color: white; padding: 2px 5px; border-radius: 3px;">APPLIED</span>
	<b>L-Acoustics 5XT</b> 2-Way Passive Coaxial Enclosure 5" LF+ 1" HF Diaphragm	8	\$950.00	\$7,600.00
	<b>L-Acoustics 5XT-SEALPLATE</b> 5XT connector sealing plate	8	\$76.00	\$608.00
	<b>L-Acoustics Ai-FIXBRACKET</b> Fastening Bracket For A15i, A10i And KS21i	2	\$105.00	\$210.00

	<b>L-Acoustics ETR5</b> Adjustable U-bracket 5XT	8	\$50.00	\$400.00
	<b>L-Acoustics KS21i</b> High Power Subwoofer, 21"	2	\$4,540.00	\$9,080.00
	<b>L-Acoustics SOKA</b> 2-Way Passive Colinear Enclosure 9 x 3.5" LF + 3 x 1" HF Diaphragm	2	\$3,940.00	\$7,880.00
	<b>L-Acoustics Soka-onW</b> On-Wall Mounting Accessory With Silent Blocks For Soka	2	\$332.00	\$664.00
	<b>Metal Platform 36"Wx 18"Hx 24"D,</b> 18" deck height, Rust-Resistant	2	\$492.00	\$984.00
	<b>Speaker Cabling</b>	1	\$300.00	\$300.00
	<b>Subwoofer Cabling</b>	2	\$275.00	\$550.00

## Stadium - Visitor's Side

ITEM	QTY	UNIT PRICE	TOTAL	
	<b>Conduit with Installation</b> <span style="background-color: #007bff; color: white; padding: 2px 5px; border-radius: 3px;">OPTIONAL</span>	1	\$500.00	\$500.00
<p>Includes conduit and all necessary parts, with physical installation included. Does not include trenching.</p>				
	<b>L-Acoustics 5XT</b> 2-Way Passive Coaxial Enclosure 5" LF+ 1" HF Diaphragm	8	\$950.00	\$7,600.00
	<b>L-Acoustics 5XT-SEALPLATE</b> 5XT connector sealing plate	8	\$76.00	\$608.00
	<b>L-Acoustics Ai-FIXBRACKET</b> Fastening Bracket For A15i, A10i And KS21i	2	\$105.00	\$210.00
	<b>L-Acoustics ETR5</b> Adjustable U-bracket 5XT	8	\$50.00	\$400.00
	<b>L-Acoustics KS21i</b> High Power Subwoofer, 21"	2	\$4,540.00	\$9,080.00
	<b>L-Acoustics SOKA</b> 2-Way Passive Colinear Enclosure 9 x 3.5" LF + 3 x 1" HF Diaphragm	2	\$3,940.00	\$7,880.00





<b>L-Acoustics Soka-onW</b>	<b>2</b>	<b>\$332.00</b>	<b>\$664.00</b>
On-Wall Mounting Accessory With Silent Blocks For Soka			



<b>Metal Platform 36"Wx 18"Hx 24"D, 18" deck height, Rust-Resistant</b>	<b>2</b>	<b>\$492.00</b>	<b>\$984.00</b>
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<b>Speaker Cabling</b>	<b>1</b>	<b>\$300.00</b>	<b>\$300.00</b>
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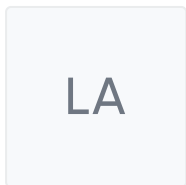
<b>Subwoofer Cabling</b>	<b>2</b>	<b>\$275.00</b>	<b>\$550.00</b>
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## Other

ITEM	QTY	UNIT PRICE	TOTAL
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<b>Design, Management and Consultation</b>	<b>1</b>	<b>\$8,651.97</b>	<b>\$8,651.97</b>
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<b>L-Acoustics SYSTEM HANDOVER</b>	<b>1</b>	<b>\$800.00</b>	<b>\$800.00</b>
System calibration (1/2 day) + complimentary system training (1/2 day)			

# Summary

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Product \$95,171.65

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Labor \$33,817.50

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**Subtotal** **\$128,989.15**

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Tax \$8,162.37

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**Total Price** **\$137,151.52**

## Proposal Terms

A. The general project description is contained in the attached document and related documents from herein referred to as the "Proposal".

B. The specific work to be performed by Contractor is the installation of the specified system as outlined in the Proposal.

C. The total amount to be paid by the owner for the performance (subject to additions and deductions by written change order)

D. Progress payments will be made according to the payment schedule below. Equipment will not be ordered until the equipment deposit has been submitted. These times are subject to the timing of the construction and the lead times required for the ordered equipment to be delivered.

E. Payment is due immediately after invoicing. Unpaid balance beyond 10 days after invoicing of completed tasks as outlined in item D shall bear interest payable to Contractor at a rate of 1.5% per month simple interest.

F. This Proposal expires 30 days following the date stated on the top of this agreement. No work will be scheduled without a deposit plus a signed copy of this agreement. All drawings and specifications contingent on agreement and retainer.

G. Contractor reserves the right to replace proposed models in the case of obsolescence, discontinuation or unavailability with a comparable model of equal or greater value upon customer approval. Contractor will not be held responsible or liable in any way for any said product's obsolescence, discontinuation or unavailability.


## Payment Terms

Billing Date

Due Date

Amount

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	Deposit (75%)		\$102,863.64
	Upon Completion (25%)		\$34,287.88

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## Contract

1 **INSTALLATION OF THE SYSTEM:** You will permit us to install the System during our normal business hours and you will give us uninterrupted access to your home or business premises, as the case may be. If the System includes an exterior audible bell, horn or siren, it is designed to shut off after sounding for not more than 15 minutes. You will provide electrical outlets for the System's transformers. We are not responsible if the installation is delayed because of bad weather, labor disputes, acts of God or other reasons beyond our control. You have approved the locations where the control panel, audible devices and all protective devices will be installed. You must inform us, prior to beginning the installation, of every location at your home or premises where we should not (because of any concealed obstruction or hazard, such as pipes, wires or asbestos) enter or drill holes. We will take reasonable precautions to avoid concealed obstructions, but we have no means of determining with certainty if they exist; therefore we take no responsibility for costs incurred to repair pipes, wires or other obstructions, and any resulting damaged walls, ceiling, floors or furnishings, which shall be your sole responsibility and expense. We will try to conceal all wires, but limited attic or crawl spaces or other construction problems may require that some of the wiring be exposed. If asbestos or any other health hazardous material is encountered during installation, we will cease work until you have, at your sole expense, obtained clearance from a licensed asbestos or hazardous material removal firm that continuation of work will not pose any danger. We will not be liable under any circumstances for the discovery or exposure of hidden asbestos or hazardous material. After we complete the System, you and our representative will inspect it together. If something is missing or not properly installed, you will tell us within five (5) days, otherwise you will have accepted the System as properly installed.

2 **AFTER WARRANTY SERVICE:** At the end of our one year limited warranty, we will continue to repair the System at your request from time to time, on a time and materials basis. You will pay our standard parts and labor charges for all repair calls. There will be a one-hour minimum visit charge for each repair call.

3 **LAWSUITS - LIMITATIONS, COSTS AND FEES:** Both the Company and Client agree that no lawsuit or any other legal proceeding connected with this Agreement shall be brought or filed more than one year after the incident occurred which gave rise to the claim. If a dispute arises regarding or to enforce the terms of this Agreement, the prevailing party will be entitled to, and shall, recover its reasonable attorney's fees and costs of investigation and collection, whether or not a lawsuit is filed.

4 **ENTIRE AGREEMENT:** The entire and only agreement between you and us with respect to purchase and installation of the System is written in this Agreement. It replaces any earlier oral or written understandings or agreements. It may only be changed by a written agreement signed by you and us. If you have given or ever give us a purchase order for the System or service which provides for different terms than this Agreement, this Agreement will govern and be controlling. If any provision of this Agreement is found to be invalid or illegal by a court, the balance of the Agreement shall remain in force. You agree that this Agreement shall be governed by the laws of the State of California.

5 **LICENSE INFORMATION:** Alarm company operators are licensed and regulated by the Bureau of Security and Investigative Services, Department of Consumer Affairs, Sacramento, CA 95814. Contractors are required by law to be licensed and regulated by the Contractors State License Board, which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four years of the date of the alleged violation. A complaint regarding a latent act or omission pertaining to structural defects must be filed within 10 years of the date of the alleged violation. Any questions concerning the contractor may be referred to the Registrar, Contractors State License Board, Post Office Box 26000, Sacramento, CA 95826.

#### 6 **NOTICES:**

Workers' Compensation Requirements:

Security Alarm Specialists carries workers' compensation insurance for all employees.

Note about Extra Work and Change Orders: Extra Work and Change Orders become part of the contract once the order is prepared in writing and signed by the parties prior to the commencement of any work covered by the new change order. The order must describe the scope of the extra work or change, the cost to be added or subtracted from the contract, and the effect the order will have on the schedule of progress payments. The Company's failure to comply with the requirements of this paragraph does not preclude the recovery of compensation for work performed based upon legal or equitable remedies to prevent unjust enrichment.

# Signature

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Signature

Date