



# 1. COMPANY OVERVIEW

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## COMPANY OVERVIEW

VectorUSA is one of America's premiere technology companies, designing, building and maintaining voice, data and video networks. With over 30 years of experience and more than 350 employees (including service technicians and network professionals), we work closely with our technical partners to provide customized solutions for public and private K12 and higher education schools, ports and terminals, hospitals, large and small commercial enterprises, and state, local, and federal agencies.

Vector Resources, Inc. dba VectorUSA is a C corporation and is privately held. Our successful record fulfilling large implementation projects combined with our position as a privately owned, financially sound company enables us to bond projects up to \$125 million. Thanks in part to our size, experience, and educated staff, we have highly-trained resources that can both mobilize and scale quickly to accommodate the City's needs.

Never having filed for bankruptcy in our 30-year history, our financial health is very strong (D&B # 19-536-8774). Our successful record fulfilling large implementation projects combined with our position as a privately owned, financially sound company enables us to maintain an "A" corporate rating. Thanks in part to our size, experience, and educated staff, we have highly trained resources that can both mobilize and scale quickly to accommodate the Client's needs.

VectorUSA brings to the City of Gardena a proven capability to execute mission-critical Information Technology projects on time and on budget. Vector's certifications and partnerships allow us to serve as a full-service technology solution provider. We maintain a C7 (low voltage), C10 (electrical), and a General Contractor "B" license. Our business partners include Crestron, Christie Digital, AMP (one of the largest ND&I contractors in the country), Extron, Avaya, Cisco, HP Networking, Hirsch, and other world class solution vendors.

VectorUSA is also associated with InfoComm International, the association representing the best practices of professional audiovisual and information communications industries worldwide. Vector's InfoComm certified individuals adhere to the CTS Code of Ethics and Conduct with maintaining their status through continued manufacture education classes. In addition, our audio-visual technicians are certified and trained in the following equipment and systems: Polycom, Cisco (Tandberg), Extron EAVA, Extron ECA, Extron XTP-E, Crestron DMCD, and Crestron DMC-E.

One of the byproducts of an established resume within the public sector space is that we have acquired a unique understanding of labor compliance laws and regulations. We have detailed experience with prevailing wage shift differential and certified payroll. We have not only successfully passed several audits at the state level with zero findings, we have a Federal Government sales team that also deals with the Davis Bacon Wage Act. Needless to say, we have a topnotch labor compliance department that operates under the sole charter of protecting both you and us in terms of payroll compliance.

The breadth of our services and the depth of our expertise give us exceptional abilities to deliver the best network solutions for our customers. As VectorUSA expands our range of services, we continue to deliver smart technology solutions including Audio Visual Solution, Unified Communications and Collaboration, Innovative Infrastructure, Intelligent Surveillance, and Managed Solutions, helping businesses operate more securely and efficiently. No other network integration company performs for its customers with the speed, agility and responsiveness of VectorUSA - providing our customers with the power to connect people to information and the world.



## **2. SCOPE OF WORK**

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## SCOPE OF WORK

VectorUSA is pleased to present the following proposal to the City of Gardena, located in the City of Gardena, California for the Nakaoka Center Upgrade.

The proposed scope of work (SOW) is based on client information gathered from conversations, onsite meeting, RFP SOW, and our experience with similar types of projects. The Area of concern will be designed to accommodate and provide the requested audio-visual equipment needs as specified pre-SOW only, please review Scope of Work (SOW) and Bill of Materials (BOM). No other services or items will be provided beyond this proposal.

**Note:**

-VectorUSA will provide and installed the following qualified items for each room written in the RFP SOW. Vector has provided a detailed scope of work which comprehends the system needs and corresponds to the RFP SOW to the best of VectorUSA knowledge.

-VectorUSA has provide a BOM that is equal or exact to product specified on the provided BOM, some structural items or style of product have been changes due to onsite challenges but then again still maintaining system functional that is required by the client.

The proposal includes the furnishing of all misc. materials, labor, transportation, tools, permits, fees, utilities and incidentals necessary for the complete installation of all work specified within this document.

Please note that the necessary onsite Audio-Visual training will be held after the complete installation of equipment and programming. The training will cover any areas of concern, system functionality and standard use.

### **PROJECTOR AND SCREEN:**

-The Nakaoka Center will be outfitted with one (1) new wall mounted style electrical screen within the main area (Stage side/front side), which will be replacing an existing wall mounted screen (noted location). The new screen will be a 16x10 wide format with a diagonal measurement of 164" (87"Hx139"W) with a dual vision screen surface material for a rear projection image.

-VectorUSA will provide and install a new laser projector to accommodate the projected images. The new projector will have WUXGA resolution (with 4K read technology) with laser light technology with a lumen count of 8K. The projector will be wall mounted on the stage area in a rear projection positioned (back stage wall).

1. One (1) WUXGA 8K lumen laser projector (4k ready)
2. One (1) projector short throw lens
3. One (1) projector wall mount
4. One (1) Tensioned Electrical Screen, 16x10, 164" (87"Hx139"W) with a dual vision screen surface

**DISPLAYS:**

-Within the Nakaoka Center, the rear room within in the center (divisible space) will also be outfitted with one (1) large LCD/LED 4k UHD 86" wall mounted displays, which will be mounted on the south wall near the entryway doors. The 86" display will be mounted on to a swing-out articulating wall mount area as requested.

-As requested, outside of the Nakaoka Center (welcoming area/overflow) will receive one (1) large LCD/LED 4k UHD 70" display. This display will also me mounted on to a swing-out articulating wall mount.

-Both displays will have the ability to mirrored content/presentation shown on the main projector within center, via the new control panel mentioned below.

System Elements

1. One (1) LCD/LED 4k UHD 86" (within the center)
2. One (1) LCD/LED 4k UHD 70" (outside the center)
3. Two (2) Swing-out articulating wall mount

**MATRIX SWITCHING:**

-The new Modular 8x8 Matrix Switcher will be designed and implemented for the Nakaoka center only. The Matrix Switcher will also consist of a variety of digital inputs/output cards that will be select for the connected media provided.

-Modular 8x8 Matrix Switcher can be expandable up to 8 total inputs and outputs

-The proper extended receiver boxes will be selected for the appropriate design and system functionality to extend the video signals to the new projector and each display.

The presentation source will consist of one (1) Auxiliary with HDMI at the Stage area, one (1) Blu-ray player, one (1) OFE PC and one (1) wireless collaboration.

System Elements

1. One (1) 8x8 Matrix Switcher
2. Three (3) HDBaseT 4k Receivers
3. Three (4) Digital Inputs Cards
4. Three (3) Digital Outputs Cards
5. One (1) HDBaseT 4k HDMI Transmitter plate

**WIRELESS COLLABORATION:**

-As requested, one (1) BOYD devices will be added for system for Wireless presentation through the existing client wireless access points, Crestron AirMedia technology allows for wireless presentation of content from a laptop, smartphone, or tablet device via a Wi-Fi wireless network.

Note: Client will need to provide a LAN connection for this device and will have to Leverage the existing Wi-Fi networks.

System Elements:

1. One (1) Crestron wireless presentation system (AirMedia)

**SPEAKERS:**

-The new speaker system will consist of two (2) wall mounted line-array column speakers for media sound reinforcement for the MPR area only. New speakers will be wall mounted to the left and right of the existing stage.

-The two front wall mounted line-array speakers mentioned above will receive one (1) each low end extension speaker to accommodate low-end frequency, which will increase the quality of sound.

-In addition, two (2) more wall mounted line-array column speakers will be mounted wall mounted to support the rear part of the center (divisible space). The rear speakers will be designed to support the rear area in a combine mode or standalone environment as requested.

-All speaker locations will be positioned and place to maintain accurate sound pressure and coverage throughout the front and rear of Center floor.

-All speakers will be powered with two (2) new high wattage audio power amplifiers to produce the necessary power and sound for the new audio system.

System Elements

1. Four (4) 8ohm Line-Array high power column speakers
2. Two (2) 8ohm Extension line-array column speakers
3. One (1) 2-channel 800 High powered audio amplifiers
4. One (1) 4-channel 600 High powered audio amplifiers (bridged)

**AUDIO SYSTEM:**

-The systems inputs will include four (4) 1-channel wireless microphone systems, with the intent to repurposed three (3) existing XLR microphone wall plate connection located on the stage area.

-The wireless system will include four (4) handhelds and four (4) lavalier microphones transmitters. Note: the wireless system can only use up to four (4) transmitters at once “4 total” but will be capable to mix and/or match transmitters units.

-All the audio inputs and outputs will be configured and program through one (1) new digital audio sound processing system for the necessary routing, mixing of sound and feedback compression.

#### System Elements

1. Four (4) Wireless microphone system (W/ Handheld and Lavalier)
2. One (1) 12x8 Digital sound processor "mixer"

#### **CONTROL:**

-The Nakaoka Center will have (1) one 10" wired wall mounted color touch panel, with (1) one Integrated system control processor.

-The touch panel will be installed within the new wall mounted rack for security and safety purposes.

-All custom programming will be designed and programmed to customer's approval and system abilities.

Other programming functions will include:

- Video switching with audio (up to 4 sources)
- Overflow content control
- Divisible control (rear room only)
- Media volume up/down for Media
- Microphone controls w/mute
- Display controls
- Confirmation page for on/off
- System Power
- 4-5 GUI custom pages

#### System Elements

1. One (1) 10" Wired rack mounted color touch panel
2. One (1) integrated system control processor

#### **RACK AND ACCESSORIES:**

VectorUSA will provide the necessary hardware to accommodate one (1) new wall mounted 26 space A/V rack with lockable front door.

The rack will be mounted within the stage area "right side" where an existing rack will be removed to accommodate new system components.

#### System Elements

1. One (1) 26RU wall mounted rack

2. One (1) Rack door
3. One (1) 9 port rack mounted power strip
4. Rack Accessories

**AUDIO VISUAL CONDUIT:**

Vector will design and install the necessary surface mounted conduit for all A/V cabling to the needed areas specified within the RFP only. Please note the below areas which will all home run back to the new AV wall mounted rack.

1. Projector (stage area)
2. Rear display (divisible space)
3. Overflow display (welcome area)
4. Screen control (stage area)
5. Speakers

**ELECTRICAL (PROVIDING):**

Vector will provide the necessary 110/120v electrical outlets for the new Ceiling mounted Projection system and rear new display only, all electrical power will be taking form an existing convenience outlet within the room only...No new circuits will be provided. Power will be supply within in conduit, adaptors and one (1) single gang electrical outlet.

If power is not available, Vector will recommend a solution to the client in a form of a change order.

**EXISTING ITEMS:**

Vector assumes that others are responsible for any and all audio/visual Existing items are in working condition and have the necessary connection points to accommodate new functionality for the Audio System.

**LEAD TIMES:**

Audio Visual Equipment Standard lead time is 3-4 weeks after receipt of the purchase order.  
Audio Visual Furniture lead time is 4-6 weeks after receipt of the purchase order





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**WARRANTY:**

The warranty coverage includes all custom designed equipment and the overall AV systems installation. The warranty shall cover any issues with the new system due to workmanship for **one (1) year**.

- Issues found during a service call that are found not to be workmanship related shall be subject to a service charge on a time and materials basis.

Within the period of the Warranty coverage, individual manufacturers' equipment warranties shall apply to all purchased equipment.

Phone Response time for Warranty service work shall be no longer than eight (8) business hours,

On-site response time for Warranty work shall be no longer than two (2) days from the time of request-for-service is submitted to the Contractor by the City.



# **3. FORM A**

# **COST PROPOSAL**

**FORM A  
 COST PROPOSAL**

Material Description	Manufacturer	Part Number	Units	Unit Price	Material	Labor	Total
<b>Projector Area</b>							
3-chip LCD, WUXGA, 4K ready, 8k Lumen, Laser projector	Epson	V11H733920	1	\$ 8,263.54	\$ 8,263.54	\$ 71.25	\$ 8,334.79
Middle-Throw Zoom Lens #1 (ELPLM08)	Epson	V12H004M0B	1	\$ 1,062.00	\$ 1,062.00	\$ 23.75	\$ 1,085.75
Heavy Duty Wall Mount Accessory, Dual Stud	Chief	WMA2S	1	\$ 198.24	\$ 198.24	\$ 142.50	\$ 340.74
6 IN to 9 IN Adjustable Height Extension 1.5 IN Pipe	Premier Mounts	APP-0609	1	\$ 50.15	\$ 50.15	\$ 23.75	\$ 73.90
RPA Projector Security Mount (Lock A)	Chief	RPAA1	1	\$ 229.40	\$ 229.40	\$ 23.75	\$ 253.15
Tensioned Contour Electrol 87"x139" or 164" Diagonal with Dual Vision Fabric	Da-Lite	37621L	1	\$ 3,048.65	\$ 3,048.65	\$ 760.00	\$ 3,808.65
		<b>Sub-Total</b>			<b>\$ 12,851.98</b>	<b>\$ 1,045.00</b>	<b>\$ 13,896.98</b>
<b>Display Areas</b>							
86" 4K-Ultra High Display, Edge Lit LED backlighting	Sharp	PN-UH861	1	\$ 4,633.86	\$ 4,633.86	\$ 71.25	\$ 4,705.11
70" 4K-Ultra High Display, Edge Lit LED backlighting	SHarp	PN-UH701	1	\$ 1,453.76	\$ 1,453.76	\$ 71.25	\$ 1,525.01
Swingout Mount - 300 Lb Rating	Premier Mounts	AM300-B	2	\$ 406.51	\$ 813.02	\$ 285.00	\$ 1,098.02
		<b>Sub-Total</b>			<b>\$ 6,900.64</b>	<b>\$ 427.50</b>	<b>\$ 7,328.14</b>
<b>Switching</b>							
8x8 DigitalMedia™ Switcher	Crestron	DM-MD8X8	1	\$ 2,156.45	\$ 2,156.45	\$ 95.00	\$ 2,251.45
HDMI 4K60 4:4:4 HDR Input Card for DM Switchers	Crestron	DMC-4KZ-HD	3	\$ 401.20	\$ 1,203.60	\$ 47.50	\$ 1,251.10
2-Channel DigitalMedia 8G+ 4K60 4:4:4 HDR Output	Crestron	DMC-4KZ-CO-HD	2	\$ 651.95	\$ 1,303.90	\$ 31.67	\$ 1,335.57
2-Channel 4K Scaling HDMI Output Card for DM Switchers	Crestron	DMC-4K-HDO	1	\$ 902.70	\$ 902.70	\$ 15.83	\$ 918.53
Wall Plate 4K Digital Media 8G Transmitter	Crestron	DM-TX-4K-100-C-1G-B-T	1	\$ 351.05	\$ 351.05	\$ 15.83	\$ 366.88
Receiver & Room Controller W/Scaler	Crestron	DM-RMC-4K-SCALER-C	3	\$ 902.70	\$ 2,708.10	\$ 47.50	\$ 2,755.60
Professional Blu-ray Disc and Media Player 1RU	Denon	DN-500BDMKII	1	\$ 470.82	\$ 470.82	\$ 71.25	\$ 542.07
AirMedia® Presentation System 200	Crestron	AM-200	1	\$ 902.70	\$ 902.70	\$ 71.25	\$ 973.95
		<b>Sub-Total</b>			<b>\$ 9,999.32</b>	<b>\$ 395.83</b>	<b>\$ 10,395.15</b>
<b>Audio System</b>							
DSP 12 Analog Input - TesiraFORTE AI	Biaimp	TesiraFORTE AI	1	\$ 1,532.82	\$ 1,532.82	\$ 95.00	\$ 1,627.82
Single-Channel True Diversity Receiver with B60 Bodypack Transmitter, ADX10 Lavalier Microphone, and H60 OM2 Handheld Microphone Transmitter (522 to 586 MHz)	Audix	AP610M2L10	4	\$ 761.10	\$ 3,044.40	\$ 190.00	\$ 3,234.40
Rackmount for two R41 or R61 receivers into 1RU rack space	Audix	RMT241	2	\$ 21.24	\$ 42.48	\$ 285.00	\$ 327.48
Denon DN-200BR Bluetooth Audio Receiver	Denon	DN-200BR	1	\$ 116.82	\$ 116.82	\$ 142.50	\$ 259.32
		<b>Sub-Total</b>			<b>\$ 4,736.52</b>	<b>\$ 712.50</b>	<b>\$ 5,449.02</b>

FORM A  
 COST PROPOSAL

Material Description	Manufacturer	Part Number	Units	Unit Price	Material	Labor	Total
<b>Speaker System</b>							
Passive Column Array Loudspeaker with 15 Drivers and FAST Dispersion Control for Installation Applications (EN 54-24 Certified)	Tannoy	VLS 15 (EN 54)	2	\$ 519.20	\$ 1,038.40	\$ 285.00	\$ 1,323.40
Passive Column Array Loudspeaker with 7 Full Range Drivers and FAST Dispersion Control for Installation Applications (EN 54-24 Certified)	Tannoy	VLS 7 (EN 54)	2	\$ 389.40	\$ 778.80	\$ 285.00	\$ 1,063.80
4-Channel Power Amplifier, 600W/Ch.	Crestron	AMP-4600	1	\$ 1,755.25	\$ 1,755.25	\$ 71.25	\$ 1,826.50
2-Channel Power Amplifier, 800W/Ch.	Crestron	AMP-2800	1	\$ 1,504.50	\$ 1,504.50	\$ 71.25	\$ 1,575.75
		<b>Sub-Total</b>			\$ 5,076.95	\$ 712.50	\$ 5,789.45
<b>Control</b>							
3 Series Control System	Crestron	CP3	1	\$ 902.70	\$ 902.70	\$ 47.50	\$ 950.20
10.1" Touch Screen, Black Smooth	Crestron	TSW-1060-B-S	1	\$ 1,203.60	\$ 1,203.60	\$ 47.50	\$ 1,251.10
Rack Mount Kit for TSW-1060	Crestron	TSW-1060-RMK-2	1	\$ 100.30	\$ 100.30	\$ 47.50	\$ 147.80
Crestron 5-port gigabit Ethernet switch with PoE on four ports	Crestron	CEN-SW-POE-5	1	\$ 110.33	\$ 110.33	\$ 47.50	\$ 157.83
		<b>Sub-Total</b>			\$ 2,316.93	\$ 190.00	\$ 2,506.93
<b>Rack Equipment</b>							
<b>Power</b>							
Rack Mount Power Strip - 9 Outlet	Middle Atlantic	PD-915R	1	\$ 94.40	\$ 94.40	\$ 71.25	\$ 165.65
<b>Scerws</b>							
Rack Screw - 25 Pack	Middle Atlantic	HPS	2	\$ 5.90	\$ 11.80	\$ 15.83	\$ 27.63
<b>Blanks</b>							
EB1 Blanks	Middle Atlantic	EB1	5	\$ 6.79	\$ 33.95	\$ 39.58	\$ 73.53
EB2 Blanks	Middle Atlantic	EB2	5	\$ 9.09	\$ 45.45	\$ 39.58	\$ 85.03
<b>Rack Shelf</b>							
2U Vented Rach Shelves	Middle Atlantic	U2V	1	\$ 43.66	\$ 43.66	\$ 15.83	\$ 59.49
<b>Fan</b>							
FAN KIT, 190 CFM, CWR SERIES	Middle Atlantic	CWR-FKIT	1	\$ 126.26	\$ 126.26	\$ 95.00	\$ 221.26
<b>Rack</b>							
CWR Series Rack	Middle Atlantic	CWR-26-26PD	1	\$ 711.54	\$ 711.54	\$ 760.00	\$ 1,471.54
		<b>Sub-Total</b>			\$ 1,067.06	\$ 1,037.08	\$ 2,104.14
<b>Cables, Wires &amp; Connectors</b>							
<b>CATe Cable</b>							
DigitalMedia Ultra Cable, Non-Plenum 500 ft spool	Crestron	DM-CBL-ULTRA-NP-SP500	1	\$ 240.72	\$ 240.72	\$ 760.00	\$ 1,000.72
DM-CBL DigitalMedia™ Cable & DM-CBL-ULTRA DigitalMedia Ultra Cable, 20-Pack	Crestron	DM-CONN-20	1	\$ 260.78	\$ 260.78	\$ 47.50	\$ 308.28
Cat5e Shielded Blue Cable- Non Plenum	Covid	C5EF-BLU	20	\$ 0.46	\$ 9.20	\$ 17.42	\$ 26.62

FORM A  
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Material Description	Manufacturer	Part Number	Units	Unit Price	Material	Labor	Total
RJ45 Shielded Connector Audio	Covid	RJ45-0124	4	\$ 3.03	\$ 12.12	\$ 63.33	\$ 75.45
16/2 Cable Speaker Cable Non Plenum	Covid	CVA0200-16	800	\$ 0.32	\$ 256.00	\$ 696.67	\$ 952.67
22 AWG Shielded Twisted Pair - Non-Plenum	Covid	CSP1200-22	20	\$ 0.13	\$ 2.60	\$ 17.42	\$ 20.02
(2) 22 AWG Individually Shielded Twisted Pairs - Non-Plenum	Covid	CSP1400-22	20	\$ 0.22	\$ 4.40	\$ 17.42	\$ 21.82
<b>VGA &amp; HDMI Cables</b>							
HDMI Cable, High Speed 3'	Covid	HD28-03M	2	\$ 7.20	\$ 14.40	\$ 15.83	\$ 30.23
HDMI Cable, high Speed with Ethernet, 6ft	Covid	EC-HD28-06M	3	\$ 7.20	\$ 21.60	\$ 23.75	\$ 45.35
HDMI Cable, high Speed with Ethernet,15ft	Covid	EC-HD28-15M	3	\$ 7.23	\$ 21.69	\$ 23.75	\$ 45.44
			<b>Sub-Total</b>		<b>\$ 843.51</b>	<b>\$ 1,683.08</b>	<b>\$ 2,526.59</b>
<b>Misc. Installation Materials</b>							
RS233 Male Kit							
DB9 Male, Hood and 9 Pins	Zack Electronics	DB9MALEKIT	3	\$ 4.55	\$ 13.65	\$ 23.75	\$ 37.40
RS233 Female Kit							
DB9 Female, Hood and 9 Pins	Zack Electronics	DB9FEMALEKIT	3	\$ 8.03	\$ 24.09	\$ 23.75	\$ 47.84
Plate							
5-gang Custom stage plate	Covid	QT-0093483	1	\$ 72.99	\$ 72.99	\$ 15.83	\$ 88.82
Misc. Installation Materials							
Misc. Installation Materials	Misc. Installation Materials		1	\$ 466.10	\$ 466.10	\$ 1,140.00	\$ 1,606.10
			<b>Sub-Total</b>		<b>\$ 576.83</b>	<b>\$ 1,203.33</b>	<b>\$ 1,780.16</b>
<b>Scissor Lift</b>							
Scissor Lift (one Week)	Scissor Lift		1	\$ 575.00	\$ 575.00	\$ -	\$ 575.00
			<b>Sub-Total</b>		<b>\$ 575.00</b>	<b>\$ -</b>	<b>\$ 575.00</b>
<b>Freight</b>							
Freight	Freight		1	\$ 820.10	\$ 820.10	\$ -	\$ 820.10
			<b>Sub-Total</b>		<b>\$ 820.10</b>	<b>\$ -</b>	<b>\$ 820.10</b>
<b>Labor</b>							
Design & Engineering	Labor		1	\$ -	\$ -	\$ 2,400.00	\$ 2,400.00
Documentation	Labor		1	\$ 88.50	\$ 88.50	\$ 780.00	\$ 868.50
Demo Labor	Labor		1	\$ -	\$ -	\$ 588.00	\$ 588.00
Conduit Labor	Labor		200	\$ 2.66	\$ 532.00	\$ 5,000.00	\$ 5,532.00
Electrical Labor	Labor		40	\$ 17.70	\$ 708.00	\$ 1,166.67	\$ 1,874.67
Project Management	Labor		1	\$ -	\$ -	\$ 2,760.00	\$ 2,760.00
Programming (Crestron)	Labor		1	\$ -	\$ -	\$ 4,000.00	\$ 4,000.00
Systems Commissioning	Labor		1	\$ -	\$ -	\$ 1,760.00	\$ 1,760.00
Training	Labor		1	\$ -	\$ -	\$ 220.00	\$ 220.00

FORM A  
 COST PROPOSAL

Material Description	Manufacturer	Part Number	Units	Unit Price	Material	Labor	Total
Mobilization	Labor		1	\$ -	\$ -	\$ 570.00	\$ 570.00
		Sub-Total			\$ 1,328.50	\$ 19,244.67	\$ 20,573.17
		PROJECT SUB-TOTAL			\$ 47,093.34	\$ 26,651.50	\$ 73,744.84
		SALES TAX					\$ 4,465.46
		PROJECT TOTAL					\$ 78,210.30

Staff Hourly Rates

Resources	Hourly Rate
AV Technician	\$95.00/hr.
AV Engineer	\$120.00/hr.
AV Programmer	\$125.00/hr.
CAD Technician	\$65.00/hr.
Electrician	\$125.00/hr.
Project Manager	\$115.00/hr.



# **4. FORM B BUSINESS QUESTIONNAIRE**

FORM B  
BUSINESS QUESTIONNAIRE

1. Name of Proposed Contractor ("Business", herein): Vector Resources, Inc.

Doing Business As: VectorUSA  
Other business name, if applicable)

EIN# 95-4154511

2. Business Mailing Address: 3530 Voyager Street  
Street Address

Torrance CA 90503  
City State Zip Code

3. Business Telephone Number: (909) 303-7732 Fax Number: 844 269-9739

E-mail address: sshiffer@vectorusa.com

4. Business Type:  Individual  Corporation  Partnership  Joint Venture

5. Number of Years in Business: 31

6. Annual Gross Revenue: (M represents Millions)

\$1M or less  \$1M-\$5M  \$5M-\$10M  \$10M-\$16M  \$16M or Over

7. Number of Employees:

Less than 50  50-100\*  101-750  751-1,000  1,001 or over

8. Is Business Owned by Minority Ethnicity?  Yes  No

9. Ethnic Group:  African American  Hispanic American  Native American  
 Asian Pacific American  Subcontinent Asian American  Caucasian  
 Other (Please Specify) \_\_\_\_\_

10. Female Owned Business?  Male Owned Business?

11. Type of Work Performed:  Construction  Wholesale/Distributor  Manufacturing  
 Professional Service  General/Technical Service  Retail

12. Please provide a brief description of your materials and/or services:

IT service company. We design, build and maintain efficient, effective and secure data, voice and video networks

13. Is the Business a subsidiary of another entity?  Yes  No

14. Has the Business, or any officer or partner thereof, failed to complete a contract?  Yes  No

15. Is any litigation pending against the Business?  Yes  No

16. Has the Business ever been declared "not responsible"?  Yes  No

17. Has the Business been debarred, suspended, proposed for debarment, declared ineligible, voluntarily excluded or otherwise disqualified from bidding, proposing or contracting?  Yes  No



18. Has the Business been a defaulter, as principal, surety or otherwise?  Yes  No
19. Has the government or other public entity requested or required enforcement of any of its rights under a surety agreement on the basis of a default or in lieu of declaring the Business in default?  Yes  No
20. Is the Business in arrears upon a contract or debt?  Yes  No
21. Are there any proceedings pending relating to the Business' responsibility, debarment, suspension, voluntary exclusion or qualification to receive a public contract?  Yes  No
22. Have liquidated damages or penalty provisions been assessed against the Business for failure to complete the work on time or for any other reason?  Yes  No
23. If a "yes" response is given under questions 15 through 22, please provide a detailed explanation including dates, references to contract information, contacts, etc. (attach additional pages as necessary). City reserves the right to inquire further with respect thereto.

24. Name of principal financial institution for financial responsibility reference.

Name of Bank: Community Bank

Address: 28470 Avenue Sanford, Suite 110

City and State: Santa Clarita, CA 91355

Officer familiar with bidders account: Cal Nauls

Federal Taxpayer I.D. number: 95-4154511

27. Please check all classifications that apply to your business:

DBE  WBE  MBE  SBE  SBRA  LSAF

28. How were you notified of this solicitation? (Check all that apply—your response to this will help improve our outreach efforts.)

Newspaper  City Website  Direct Mail  
 E-mail  City Outreach  Telephone  
 Networking Event  Other (Identify) \_\_\_\_\_

I, individually and on behalf of the business named above, do by my signature below certify that the information provided in this questionnaire is true and correct. I understand that if the information provided herein contains any false statements or any misrepresentations: 1) City will have the grounds to terminate any or all contracts which City has or may have with the business; 2) City may disqualify the business named above from consideration for contracts and may remove the business from City's bidders list; or/and 3) City may have grounds for initiating legal action under federal, state or local law.

**Note: This questionnaire is also a certification form; the information requested will be used to determine small business status as per 13 CFR Part 121. Additionally, this information will allow City to report the amount of subcontracting activity with all businesses that offer the commodities and services used by City.**

Printed Name: Jeffrey Zukerman Title Executive Vice President

Signature of City: \_\_\_\_\_ Date: March 19, 2019

(City CEO, President, Majority Stockholder or Designated Representative)



**5. FORM C**

**LIST OF SIMILAR**

**CONTRACT/REFERENCES**

FORM C  
LIST OF SIMILAR CONTRACTS/REFERENCES

*All references shall be reachable and willing to furnish information by telephone conversation or email*

1. Project: Fleet AV Upgrades for Multiple Rooms at Lemoore NAS  
Contract Amount: \$ 167,871.77  
Completion Date/Status: Pending completion - Mid April Completion  
Contact Person: Celia Padilla  
Company Name: Liona Enterprises, Inc.  
Telephone Number: (619) 302-3138  
E-mail Address: cpadilla@lionaenterprises.com
  
2. Project: Boardroom AV Upgrade  
Contract Amount: \$67,328.01  
Completion Date/Status: April 6, 2017  
Contact Person: Dale Badore  
Company Name: Rancho California Water District  
Telephone Number: (951) 296-6900  
E-mail Address: dale@ranchowater.com
  
3. Project: RUHS Jurupa AV 10 Rooms Project  
Contract Amount: \$167,515.52  
Completion Date/Status: Pending Completion - Mid April Completion  
Contact Person: Joaquin Lara  
Company Name: Riverside County Information Technology  
Telephone Number: (951) 955-7855  
E-mail Address: jlara@riversidecountyIT.org
  
4. Project: Executive Boardroom AV System Upgrade  
Contract Amount: \$150,166.01  
Completion Date/Status: 2/2/2017 - Project Complete  
Contact Person: Daniel Leung  
Company Name: Screen Actors Guild - Producers  
Telephone Number: (818) 953-2534  
E-mail Address: dkleung@sagph.org

  
\_\_\_\_\_  
Signature of Authorized Person

Jeffrey Zukerman  
Name

C-Corporation  
Type of Entity

Executive Vice President  
Title and/or Position



## FORM C CONTINUED

### LIST OF SIMILAR CONTRACTS/REFERENCES

**1. CONTINUED FROM FORM C**

**Project Owner: Liona Enterprises, Inc.**

**Name of Project: Fleet AV Upgrades for Multipipe Rooms at Lemoore NAS**

**Project Overview**

Vector to provide proper cable management hardware for displays, rack area and table connection (floor track). New video extender to be added to share content with VGA/HDMI, which will be installed under the table. Vector will also provide a Cisco SmartNet for the existing Cisco VTC unit. All items to be tested and to remain in place and few adjustment cable managements. All controls will be through devices remote controls. VectorUSA will also outfit the Auditorium area with two (2) large LCD/LED 1080P 80” wall mount display, all-in-one Matrix Switcher, three (3) HDBaseT Receivers, three (3) HDBaseT Wall plate transmitter and one (1) wired lectern mounted colored touch panel.

**2. CONTINUED FROM FORM C**

**Project Owner: Rancho California Water District**

**Name of Project: Boardroom AV Upgrade**

**Project Overview**

VectorUSA was engaged to upgrade Rancho California Water District’s current boardroom with a new A/V system. The project required VectorUSA to repurpose OFE equipment such as (2) 80” LCD/LED displays which display any presentation content that is presented through the new system, speakers, amplifiers and seventeen (17) table top gooseneck microphones.

The system design involved a new 60” LCD/LED display that was mounted at the rear of the boardroom for previewing presentation for the Board members, one (1) Extron Seamless 4K Scaling presentation matrix switcher which allowed for content to simultaneously display on all 3 displays in the boardroom, one (1) wireless content share device for BYOD (bring your own devices), one (1) ceiling mounted camera installed as additional feature, two (2) digital audio processing unit were provided with the system to support the necessary audio connection and sound configuration for all sound reinforcement and media audio, and one (1) new wireless combo microphone was added to the system. VectorUSA completed the design, engineering, installation and programing, on time and on budget.

**3. CONTINUED FROM FORM C**

**Project Owner: Riverside County Information Technology**

**Name of Project: RUHS Jurupa AV 10 Room Project**

**Project Overview**

VectorUSA has or will install and Audio-Visual system across 10 rooms at the Jurupa MOB. Install includes Newline displays, input plates, and touch panels with programming.

**4. CONTINUED FROM FORM C**

**Project Owner: Screen Actors Guild - Producers**

**Name of Project: Executive Boardroom AV System Upgrade**

**Project Overview**

VectorUSA upgraded the entire Audio-Visual system in the existing Executive Boardroom. Install included 1080P HD Lumen Projector, screen, Matrix Switcher, Video Conference teleconference with two (2) PTZ Camera, eighteen (18) new 70Volt ceiling mounted speakers, six (6) 3-channel audio amplifiers, Digital Audio Sound Processor, and sixteen (16) 6" OFE permanent Shotgun ceiling microphones. System Controls consisted of a Crestron control processor which will be programmed to perform all necessary controls for all related A/V devices and accommodated two (2) 9" Wireless color touch panel, which is the main universal controller. All programming was designed to accommodate simple and easy uses of controls. Vector also added an X-Panel and App control for redundant back-up.

- 5. Project Owner: Riverside County Information Technology**  
Contact Person: Mike Corona  
Phone/Email: (951) 955-7712 / [mcorona@rivco.org](mailto:mcorona@rivco.org)  
Address: 2724 Gateway Drive, Riverside, CA 92507

**Name of Project: AV for 3 Rooms – Buildout**

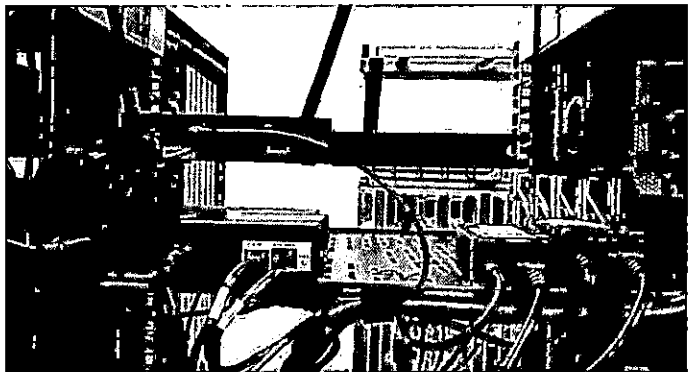
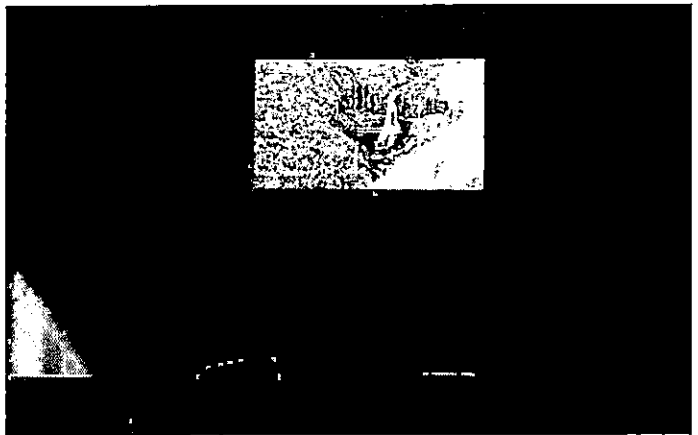
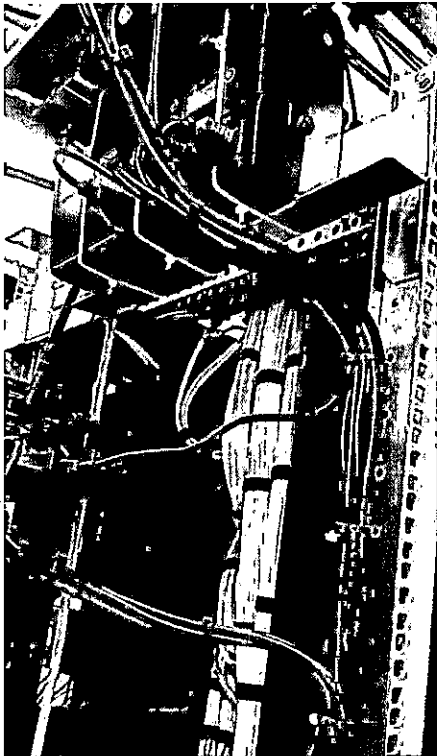
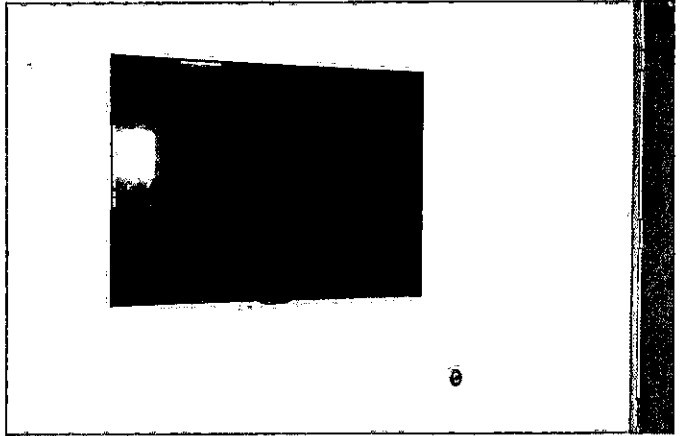
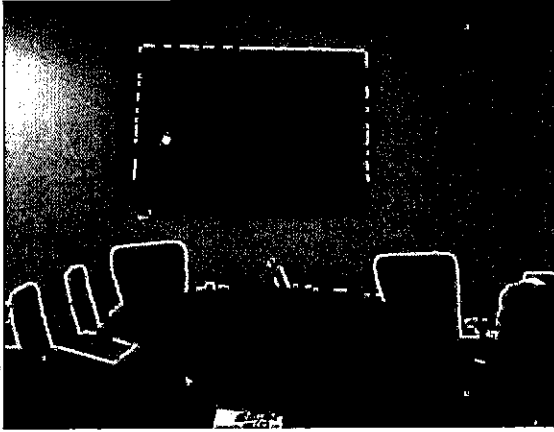
Contract Value: \$ \$44,975.56

Period of Performance: January 9, 2019 – February 22, 2019

**Project Overview**

VectorUSA installed displays and AV components for the lobby areas, conference rooms (with single display) and training room.





- 6. **Project Owner:** East Whittier City Elementary School District
- Contact Person:** Jason Zahariades
- Phone/Email:** (562) 907-5944 / [jzahariades@ewcsd.org](mailto:jzahariades@ewcsd.org)
- Address:** 14535 E. Whittier Blvd., Whittier, CA 90605

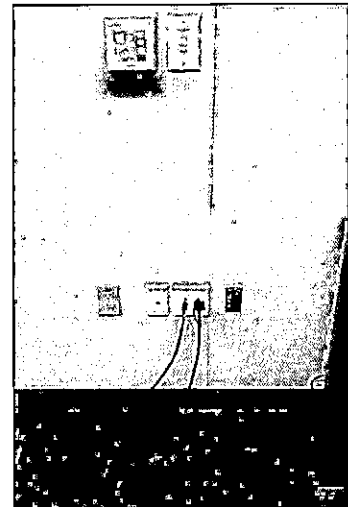
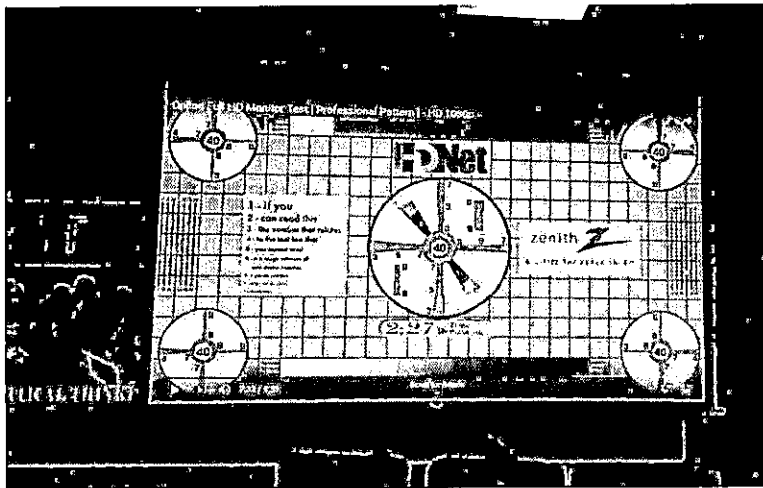
**Name of Project:** AV Upgrade

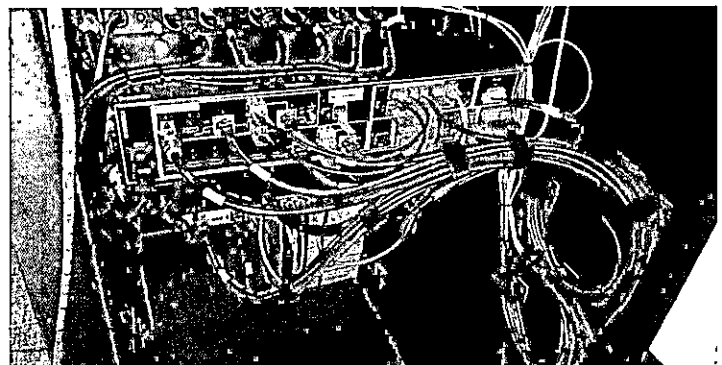
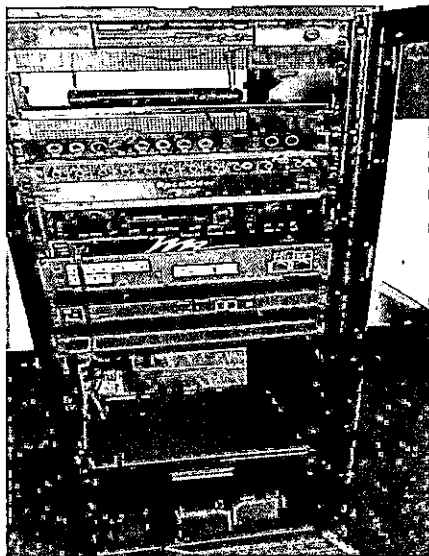
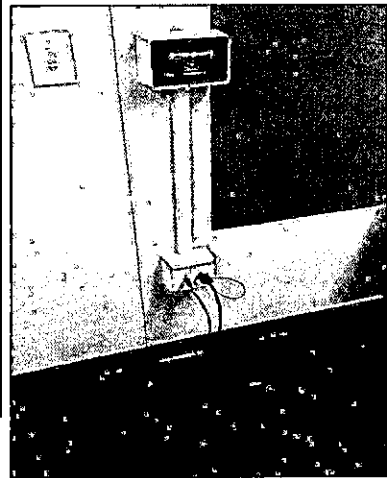
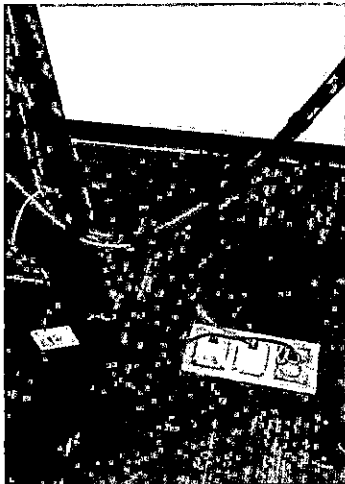
Contract Value: \$ 39,738.69

Period of Performance: July 23, 2018 – November 28, 2018

**Project Overview**

VectorUSA upgraded the Boardroom Divisible Room. Removed the existing projectors and installed new projectors on new ceiling mounts. Added LV controls to the Existing Screens and set new limits based on the new projector images. Ran all new cables to the rack in the corner and installed an Extron Switcher and amp. The system is being controlled by a TLP 520M and an eBus panel. VectorUSA setup a Wi-Fi router to add iPad control over the system. The system was programmed to work in a Divisible environment and dialed in all the audio levels.







**7. Project Owner:** Victor Valley Community College District  
**Contact Person:** Tim Isbell  
**Phone/Email:** (760) 245-4271 x2488  
**Address:** 18422 Bear Valley Road, Victorville, CA 92392

**Name of Project:** AV Upgrade Building 54, Rooms 211, 212 & 213

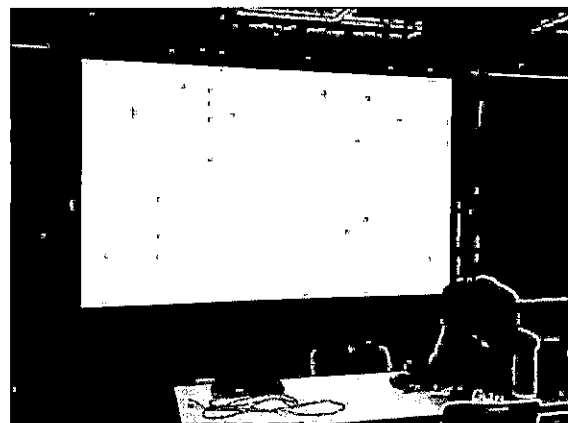
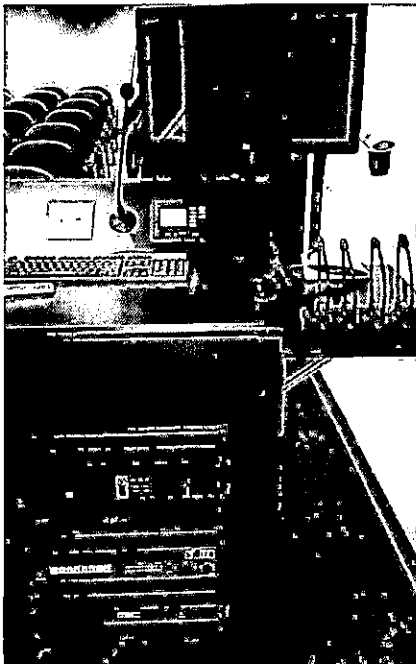
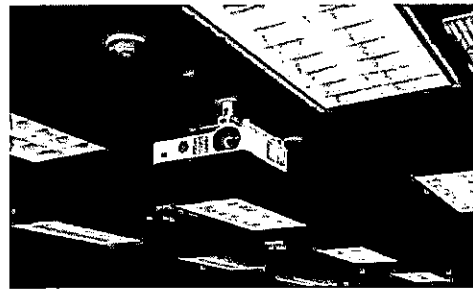
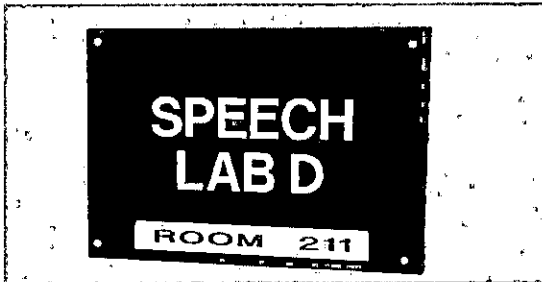
**Contract Value:** \$ 89,263.91

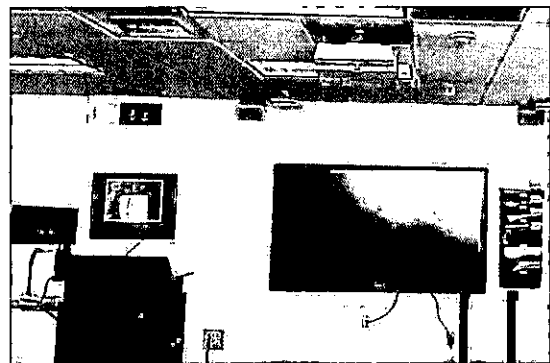
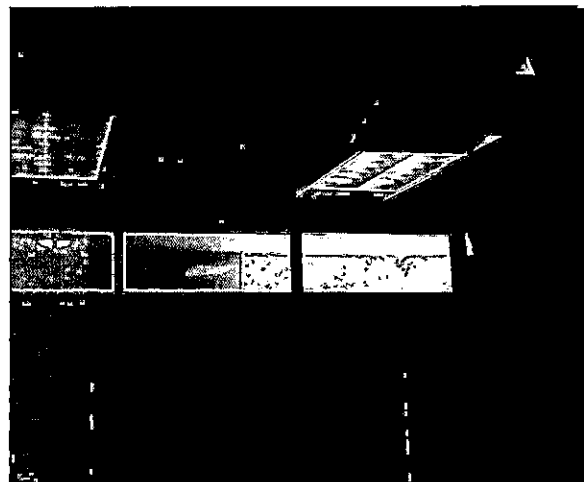
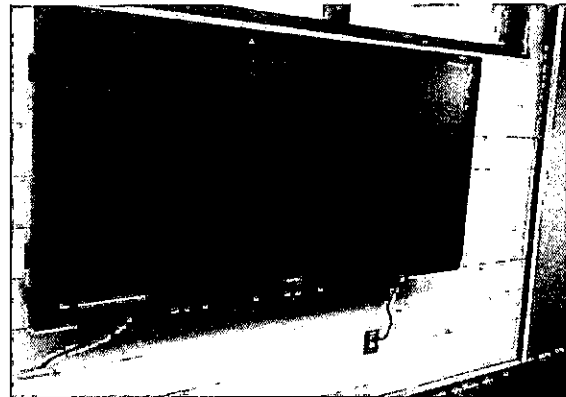
**Period of Performance:** March 22, 2018 – June 14, 2018

**Project Overview**

VectorUSA installed three (3) new lectern AV systems in Rooms 211, 212, and 213, in Building 54. VectorUSA installed a NEC projector with screen in Room 211 and x2 86” Newline monitors in rooms 212 and 213. Each room also had a Lectern installed with an Extron Switcher/Processor which was used to switch between a client provided PC, a Blu Ray Player, a Doc Camera, and an HDMI/VGA connection for laptops.

There was also a client provided monitor that was mounted to the lectern on a swing arm mount. A Touch Panel was installed, programmed, and tested to control all AV equipment installed. Each room has a microphone installed for voice lift and 2 pairs of speakers. The system was fully tested and verified functional.





**6. FORM D**  
**DESIGNATION OF**  
**SUBCONTRACTORS**

**FORM D  
DESIGNATION OF SUBCONTRACTORS**

To comply with the requirements of the California subletting and Subcontracting Fair Practices Act the Bidder shall submit with the Bid the names and business addresses of each subcontractor who will perform work under the contract in excess of ½ of 1 percent of the amount of the total Bid and shall list the portion of the work to be performed by each subcontractor if applicable.

Attach additional copies of this form if more space is needed.

Name and Address	License Number	DIR Registration #	DBE <small>(Included in CUCP List)</small> (Yes / No)	Description of Work/Services	Estimated Dollar Amount
*VectorUSA will not be utilizing the services of a subcontractor for this project.					



**7. FORM E**

**CERTIFICATIONS OF PAYMENT**

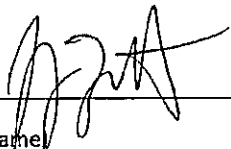
**WAGE SCALE**

FORM E  
CERTIFICATE OF PAYMENT OF PREVAILING WAGE SCALE  
(To be submitted with Proposal Form)

On behalf of the Proposer, the undersigned certifies that the Prevailing Wage Scale, as determined by the Director of Industrial Relations of the State of California, in force on the day this proposal was announced, will be the minimum paid to all craftsmen and laborers working on this project.

It is understood that it is the responsibility of the Proposer to determine the correct scale. The City will keep a copy of the wage scale in the City Clerk's office for the convenience of Proposers. Any errors or defects in the materials in the City Clerk's office will not excuse a Proposer's failure to comply with the actual scale then in force.

PROPOSER

By:  \_\_\_\_\_  
(Name) Jeffrey Zukerman

Executive Vice President  
\_\_\_\_\_  
(Title)

March 19, 2019  
\_\_\_\_\_  
(Date)



## **8. PROJECT TEAM - EXPERIENCE AND CERTIFICATIONS**

**Employee Name:** Jesse Flores, CTS

**Current Position:** Audio Visual Program Manager

---

**Education:**

ITT Technical Institute, West Covina	1998-2000
Associate of Science Electronic Technology	
InfoComm Academy	2002
Managing the Services & Installation Department as a Profit Center	
InfoComm Academy	2004
Lead Installation Technician Course	
Dale Carnegie	2006
Leadership Training for Managers	

**Training and Certifications:**

Extron Control Professional	Tandberg (TCTA)
Extron AV Associate	InFocus ASP
Extron XTP Systems Engineer (XTP-E)	Christie Projectors
Extron XTP Systems Technician (XTP-T)	AMX Install Support
Extron Control Associate	AMX Program 1
Extron Control Specialist	Media Matrix
Crestron DM Certified Engineer-4K (DMC-E-4K)	ClearOne
Crestron DM Certified Designer-4K (DMC-D-4K)	Panja TP Design
Crestron DM Certified Technician-4K (DMC-T-4K)	Toshiba America
Crestron Commercial System Design (CTI-CSD)	Hughes JVC
Clarity Video Walls	Sharp Electronics
Tandberg (TCTA)	

**Memberships:**

InfoComm International  
CTS, Certified Technology Specialist 2004 – Present

**VectorUSA Start Date:** December 2011

**Core Competencies:**

- Pre-Sales / Engineering / Hardware Design
- Project Management / Onsite Integration & Commissioning
- DSP Programming
- System Control Programming
- Video Conferencing
- AutoCAD / Infrastructure
- Team Training & Mentoring

**Current Responsibilities:**

Subject Matter Expert for A/V solutions and services to clients and internal staff/operations. Provide technical writing of scope of work and complete bill of materials for all A/V VectorUSA projects and solutions. Perform QA/QC for deliverables; provide project support,



troubleshooting, consulting, implementation, control system programming and coordination. Prospecting new product lines for future Audio Visual design and applications to achieve client needs.

**Professional Experience:**

- 9/15 – Present      **Vector Resources, Inc. dba VectorUSA**, Rancho Cucamonga, CA  
Audio Visual Program Manager  
Act as Subject Matter Expert for A/V solutions and services to clients and internal staff. Prospecting new product lines for future Audio Video design and applications to achieve client needs. Work with VectorUSA sales team to provide technical support, develop A/V system solutions, interface with clients and internal company staff, review client RFP/RFQ/SOW, floor plans, and design documents to create system design to fulfill customer requirements. Prepare comprehensive design/solution, bill of materials, SOW, floor plans and system design documents. Perform QA/QC for deliverables; provide project support, troubleshooting, consulting, implementation and coordination.
- 12/11 – 9/15      A/V Senior Design Engineer  
Work with VectorUSA sales team to provide technical support, develop A/V system solutions, interface with clients and internal company staff, review client RFP/RFQ/SOW, floor plans, and design documents to create system design to fulfill customer requirements. Prepare comprehensive design/solution, bill of materials, SOW, floor plans and system design documents. Perform QA/QC for deliverables; provide project support, troubleshooting, consulting, implementation and coordination.
- 2/07 – 10/11      **AV-InSource (AVIS)**, Rancho Santa Margarita, CA  
Owner/Senior Engineer  
Management of AVIS's daily operations as well as providing system designs/engineering and technical consulting to clients. AVIS goal was to support client's needs with internal technical assets and strive to produce a positive end result on every project.
- As Vice President of AVIS, assisted organization to fully support integration companies in need of any technical requirements, from Sales/Design to onsite support
  - Managed AVIS daily operation with overseeing 4-7 employees
  - Manufacture training and mentoring of employees
  - Providing systems designs and engineering
  - Coordinating installation, services and programming
  - Assisted integrators with written scope of work and generation of a functional material list
  - Assisted with associated labor cost for projects and provided an AVIS proposal for labor
- 2/04 – 2/07      **Spinitar**, La Mirada, CA  
Senior Engineer/AutoCAD Supervisor  
Management of daily operations of AutoCAD department, as well as providing system designs/engineering and technical help to our sales staff. Implemented ICIA InfoComm standards with rack build and field support.
- Managed daily AutoCAD operation with overseeing 2-3 employees
  - Guide and Develop Jr. Engineers

- Manufacturer training and mentoring of employees
- Provided systems designs, engineering and design reviews
- Provided AV infrastructure, when required
- Assist Project Manager to produce project end result
- Helped to carry out ICIA InfoComm standards
- Provided sales support with needs and analysis

2/02 – 2/04

Service Supervisor

Managed the daily operations of the Technical Service Department, supporting all company clients and service contracts.

- Managed daily service operation with overseeing 4-5 employees
- Ensured productivity and quality standards were met
- Managed service database and presented data on generated work performed
- Helped generate proper billing codes to capture correct GP
- Ensured and assigned technical repairs for completion.
- Arranged proper technical training and mentoring of staff
- Assisted and provided technical repairs where needed
- Helped to carry out ICIA InfoComm standards
- Provided needs and analysis for service contracts

2/00 – 2/02

**Presentation Products, Inc. (PPI), Santa Fe Springs, CA**

Project Manager

Project management of the daily operations of new projects assigned, and coordinated schedule timelines with the engineering staff and clients to produce the end result.

- Managed daily operation of various projects
- Ensured productivity and quality standards were met with installation team
- Helped to carry out ICIA InfoComm standards
- Ensured projects were completed on time
- Facilitated installation schedule and weekly or daily update to clients
- Assisted with engineering and designs
- Ensured infrastructure was in place for AV product installation

2/97 – 2/00

Field Technician

Supported the daily operations of depot and/or field repairs for all company clients and service contracts, along with installing assigned AV design at various locations.

- Assigned to complete various projector and printer repairs
- Assigned to complete onsite AV installations projects
- Helped to carry out ICIA InfoComm standards
- Complete fabrication of in-house rack builds
- Onsite cable pulls and onsite fabrication
- Completed certified technical courses for a variety projector manufacturers



This certifies that

JESSE FLORES

has successfully completed

the requirements of the Crestron DigitalMedia™  
certification program and is hereby awarded the title  
of DigitalMedia Certified Technician 4K

02/15/2017

*S. Baranovsky*

Date

Authorized Signature



This certifies that

Jesse Flores

has successfully completed

**DM Certified Designer – 4K (DMC-D-4K)**

2/8/2017

Date

*S. Baranovsky*

Authorized Signature



This certifies that

JESSE FLORES

has successfully completed

the requirements of the Crestron DigitalMedia™  
certification program and is hereby awarded the title  
of DigitalMedia Certified Technician 4K

02/15/2017

*S. Baranovsky*

Date

Authorized Signature



This certifies that  
**JESSE FLORES**

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has successfully completed  
**CRESTRON STUDIO®, FOR RESIDENTIAL**

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05/09/2017

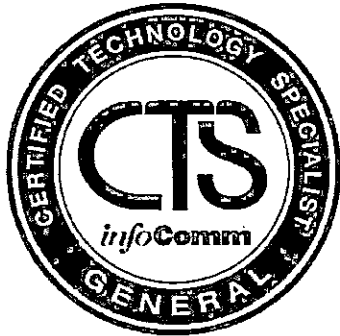
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Date

A handwritten signature in black ink, appearing to read "Baramkewdy".

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Authorized Signature



# Certified Technology Specialist

## *Jesse J. Flores*

has been examined and has demonstrated competence in all technical aspects of a Certified Technology Specialist™, has met the requirements of the InfoComm independent Certification Committee necessary for professional competency, is in good standing in the Directory of Certified Technology Specialists, has agreed to abide by the CTS Code of Ethics and Conduct, and is therefore entitled to use the name Certified Technology Specialist and the CTS® designation.

Effective Date  
**February 11, 2004**

Date of Expiration  
**March 31, 2019**

Certification Number  
**1041751**

Jeremy Caldera, CTS-D, CTS-I  
Chair, InfoComm independent  
Certification Committee



**infoComm**  
INTERNATIONAL®



The InfoComm Certified Technology Specialist certification is accredited by the American National Standards Institute (ANSI) under the International Standard ISO/IEC 17024:2012 Standard General Requirements for Bodies Operating Certification Schemes of Persons program.

**Employee Name: Mynor Castillo**

**Current Position: AV Engineer**

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**Training and Certifications:**

- Infocomm CTS
- Extron XTP-E
- Extron Configuration of Extron Systems
- Extron Control Systems
- Crestron DMC-E-4K
- Crestron Advanced System Design
- Crestron Programming Level One (Ongoing)
- Biamp Audia, DaVinci
- Biamp Tesira, Canvass
- Peavey NION, Media Matrix
- BSS / Harman Advanced Programing, Audio Architecture
- Polycom VTC, Sound Structure DSP
- Clear One DSP
- Cisco VTC

**VectorUSA Start Date:** December 4, 2017

**VectorUSA Current Responsibilities:**

Completing site surveys with the clients to assess their needs and developing scopes and designs to meet their needs and budgets. Post PO, providing detail engineering and producing construction documents. Technically supporting the PM, Programmer and Installers, often hands-on. Commissioning the systems and completing the As-Built drawings and user guides as well as training the end users. Building support structures, cutting and patching holes in walls, tables and floors. Leveling all plates, projectors and screens. Detailed installation; neat, clean and logical rack fabrication, soldering multi-pin connectors, terminating fiber, testing all cables prior to commissioning.

**Past Professional Experience:**

- **Digital Networks Group**  
Field Engineer/Commissioning 2015-2017  
Provide complete field engineering and project management for multiple high end projects simultaneously. Provide DSP programming on multiple platforms, Crestron and AMX program, troubleshooting, commissioning of entire audio visual system(s) including VTC setup, DSP, USB setup. Collaborate with Sales person and In-House Design Engineer to achieve successful projects and meet Client's expectations.
- **Pinnacle AVL, Glendale CA**  
Senior Project Engineer. 2010-2015  
Provide complete field engineering and project management for multiple high end projects simultaneously. Provide DSP programming on multiple platforms, Crestron and AMX program, troubleshooting, commissioning of entire audio visual system(s) including VTC setup, DSP, USB setup, and Smart FFT equalization. Utilize exceptional



relationship skills to manage all company and client relationships on behalf of the company. Train and obtain final sign off from client.

- **Castillo Audio Video** 2008-2010  
Designed, managed installation team, commissioned and troubleshot large scale projects, such as multiple Westfield Shopping Town Centers. Programmed and performed all engineering for multi-source, multi-zoned Network based audio systems throughout the centers.
- **Hoffman Video Systems, Glendale, CA** 2006-2008  
Senior Project Engineer.  
Responsible of managing multiple projects simultaneously while assuring that the installations were done with the highest standards and completed on time and within the budget. Provided assistance to the Engineering Department in the design of very large scale projects. Provided assistance on cost estimation of projects.
- **Markus Audio and Lighting, Sun Valley, CA** 1999-2006  
Responsible for managing and field engineering multimillion dollar projects such as Casinos, Theme Parks, and Performing Arts Centers etc. In charge of programming all DSP files on various platforms for all of the projects. Provided AutoCad assistance in the development of the AV shop drawings and as-builts.

#### **Major Projects Completed**

- Agoura Hills - Council Chamber AV System Upgrade
- Los Angeles County - Public Information Records Boardroom AV System Upgrade
- Pasadena City - Council Chamber AV and Voting System.
- Downey District USD - Boardroom AV Upgrade
- Los Angeles County Bar Association Training and Boardroom - AV Systems Upgrade
- Duarte Senior Center - Multi-Purpose Room AV System Upgrade
- Pasadena City Hall Conference Center - AV System
- Goodwill - LA Auditorium - AV System
- VA Loma Linda Healthcare - System Auditorium AV System
- Naval Dental Center Camp Pendleton - Training and Conference Room AV Systems.



This Certifies That

**MYNOR CASTILLO**

Has Successfully Completed

**CTI-P101 FOUNDATIONS OF CRESTRON PROGRAMMING**

01/10/2014

Date

A handwritten signature in black ink, appearing to read "Mark E. J.", written over a horizontal line.

Authorized Signature



Crestron Training awarded to



**MYNOR CASTILLO**

for successfully completing

**CRESTRON COMMERCIAL SYSTEM DESIGN**

September 24, 2010  
Date

*By Mynor Castillo*  
Authorized Signature



Crestron Training awarded to



**MYNOR CASTILLO**

for successfully completing

**CONFIGURATION OF CRESTRON SYSTEMS**

11/12/10  
Date

*[Signature]*  
Authorized Signature



This certifies that  
MYNOR CASTILLO

has successfully completed

the requirements of the Crestron DigitalMedia™  
certification program and is hereby awarded the title  
of DigitalMedia Certified Engineer 4K

03/11/2017

Date

*S. Baranovsky*

Authorized Signature



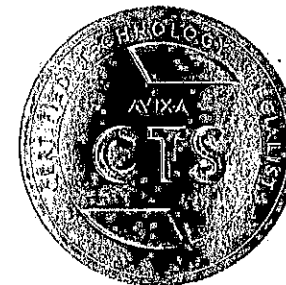
# CERTIFIED TECHNOLOGY SPECIALIST

## Mynor Castillo

has been examined and has demonstrated competence in all technical aspects of a Certified Technology Specialist™, has met the requirements of the AVIXA independent Certification Committee necessary for professional competency, is in good standing in the Directory of Certified Technology Specialists, has agreed to abide by the CTS Code of Ethics and Conduct, and is therefore entitled to use the name Certified Technology Specialist and the CTS® designation.

Effective Date  
**November 18, 2014**  
Date of Expiration  
**November 30, 2020**  
Certification Number  
**1331669**

Jeremy Caldera, CTS-D, CTS-I  
Chair, AVIXA independent  
Certification Committee



The AVIXA Certified Technology Specialist certification is accredited by the American National Standards Institute (ANSI) under the International Standard ISO/IEC 17024:2012 Standard General Requirements for Bodies Operating Certification Schemes of Persons program.

## Resume

**Employee Name: Anthony Huerta**

**Current Position: Superintendent**

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### **Certifications:**

- Extron Audio/Video Associate
- OSHA 10 Hour Safety
- Shure Microflex Advanced
- Biamp TesiraForte Certified
- Biamp VoIP I Certified
- Harman Audio Associate
- Dante I and II
- Crestron DMC-D-4K
- Harman Control Associate
- Infocomm CTS General
- Shure Wireless Technical

### **Education:**

**2012**                      **Bachelor of Science: Electronics and Communication Engineering Technology**  
**ITT Technical Institute – San Dimas, Ca**

**2008**                      **Associate of Science: Computer and Electronics Engineering Technology**  
**ITT Technical Institute – West Covina, Ca**

**VectorUSA Start Date: October 23, 2017**

### **Current Responsibilities:**

- As an AV Superintendent it is my job to manage projects from start to finish in the field.
- This includes but not limited to
  - Proper time management to ensure jobs are completed on time.
  - Commissioning of systems to ensure they are fully tested and functional before handing off to client.
  - Expert in installing and troubleshooting all different types of AV gear. (Cisco, Polycom, Biamp, Crestron, Extron, AMX, etc...)
  - Setup DSP audio systems to dial in mic audio, program audio, and speaker setups to give the client the best possible sound.
  - Expert in the setup of video and audio conferencing systems.
  - Work with onsite and offsite client networking teams to ensure all gear is setup properly and secure in multiple network configurations.
  - White glove treatment, treat every job as if it is my own. Ensure jobsite stays clean during and after any work being performed.
  - Infocomm CTS Certified.
  - Have over 10+ industry specific Certifications for multiple products lines and equipment.
  - OSHA 10 Hr safety Certification.

### **Professional Experience:**

Oct 2015 to Oct 2017

**Integrated Systems and Audio/Visual Sr. Field Engineer  
Strategic Products and Services (SPS) – San Clemente, Ca**

**Integrated Systems**

- Work with AV Flows in order to build fully functional Video Conferencing Systems in a commercial environment.
- Expert in the installation of speakers, microphones, video cameras, control systems, and all other technology necessary for a fully functioning video conferencing system.
- Installation and configuration of Digital Sound Processors, Crestron Switchers and CPUs, Polycom and Cisco Call Systems, Extron Scalers, Tx/Rx, 70V/100V Audio Systems, Sound Masking Systems, Automated Control Systems, and also an expert with the Cisco IX5200.
- Skilled in setting up Biamp or Sound Structure DSP systems to dial in perfect audio in any environment. (Building file, dialing in all audio levels, EQ, etc...)
- Work closely with Project Managers and Design Engineers to ensure all projects stay on time, stay under budget, and are properly field engineered to client's needs and expectations.
- Work closely with Network Engineers to ensure their new systems are properly configured on secured and unsecured networks.

May 2015 to Oct 2015

**Expert Field Technician  
VACT Inc. – South El Monte, Ca**

**Audio/Video Systems**

- Design, troubleshoot, and installation of all types of surround sound and video systems based on customers need and available technology (Multizone, 7.1, 5.1, Outdoor, 70V Systems, etc...)
- Custom speaker placement installation for best possible sound experience in a residential environment
- Setup and customer education of all types of home theater amplifiers and devices
- Installation and programming of all types of universal remote controls and touchpads sold by URC

**CCTV and Telephone Systems**

- Design, troubleshoot, and installation of all types of CCTV and DVR systems
- Familiar with IP and Analog camera technology using 12VDC, 24VAC, POE and Wireless
- Setup of Port Forwarding on different systems to provide remote viewing and control
- Design, troubleshoot, and installation of all types of Telephone, PBX, Home Cell phone and VOIP technologies

**Networking**



- Installation, Firmware upgrade, Configuration of all types of Routers, Switches, WAPs, and other networking technology
- Familiar with Cat6 punch down panel installation and troubleshooting
- Installation of different types of wall plates and modulators based on customers need
- Experience wiring up punch panels for custom networking solutions

**June 2006 to Apr 2015 Field Service Specialist III**

**Dish Network – South El Monte, Ca**

- Install and troubleshoot new and existing satellite installations
- Offer every customer “Best in Class” products to improve their TV experience
- Wild Blue / Viasat Internet Certified Technician
- Hughes Net Internet Certified Technician
- Commercial Installation Certified Technician
- Certified “On the Job” trainer of top-level technicians
- Top rated Customer Review Score

**Projects Completed:**

- Most of my experience is in the private sector installing custom boardrooms and huddle spaces for large companies such as Pacific Dental, Illumina, SAG, City National Bank, etc...
- Largest system built was a 10 way divisible training room system.
- Camp Pendleton
  - Setup 2 conference rooms for the Dental Brigade.
  - Currently working on upgrading and fixing 5 court room systems for the Legal Services Dept.
    - Highly detailed reports documenting currently installed systems in order to provide the best possible service.
    - Troubleshooting and fixing issues found in all the courtrooms. Client commented that the rooms have never sounded as good as the way I left them.
- Naval Hospital in San Diego
  - 4 training labs, 2 classrooms, and a conference room.
  - Troubleshooting issues and updating client on issues and fixes.
  - Getting them back up and running so the client can train Navy Dr’s and Surgeons
- High Schools
  - Simple projector room systems
  - Install and service



This certifies that

Anthony Huerta

has successfully completed

DM Certified Designer – 4K (DMC-D-4K)

5/15/2017

Date

S. Baranovsky

Authorized Signature

D-4K-000-170515-2461



This certifies that

Anthony Huerta

has successfully completed

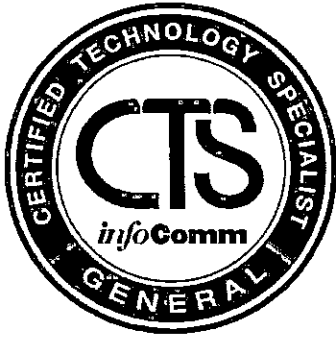
Crestron RL 101

5/15/2017

Date

S. Baranovsky

Authorized Signature



# Certified Technology Specialist

## *Anthony Huerta*

has been examined and has demonstrated competence in all technical aspects of a Certified Technology Specialist™, has met the requirements of the InfoComm independent Certification Committee necessary for professional competency, is in good standing in the Directory of Certified Technology Specialists, has agreed to abide by the CTS Code of Ethics and Conduct, and is therefore entitled to use the name Certified Technology Specialist and the CTS® designation.

Effective Date  
**May 18, 2017**  
Date of Expiration  
**May 31, 2020**  
Certification Number  
**1339941**

Jeremy Caldera, CTS-D, CTS-I  
Chair, InfoComm independent  
Certification Committee



**infoComm**  
INTERNATIONAL®



The InfoComm Certified Technology Specialist certification is accredited by the American National Standards Institute (ANSI) under the International Standard ISO/IEC 17024:2012 Standard General Requirements for Bodies Operating Certification Schemes of Persons program.



# CERTIFIED TECHNOLOGY SPECIALIST

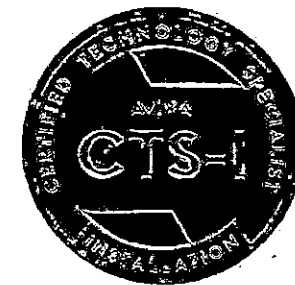
## Installation

### Anthony Huerta

has been examined and has demonstrated competence in all technical aspects of a Certified Technology Specialist™-Installation, has met the requirements of the AVIXA independent Certification Committee necessary for professional competency, is in good standing in the Directory of Certified Technology Specialists, has agreed to abide by the CTS Code of Ethics and Conduct, and is therefore entitled to use the name Certified Technology Specialist-Installation and the CTS®-I designation.

Effective Date  
**July 24, 2018**  
Date of Expiration  
**July 31, 2021**  
Certification Number  
**3344567**

Jeremy Caldera, CTS-D, CTS-I  
Chair, AVIXA independent  
Certification Committee



The AVIXA Certified Technology Specialist certification is accredited by the American National Standards Institute (ANSI) under the International Standard ISO/IEC 17024:2012 Standard General Requirements for Bodies Operating Certification Schemes of Persons program.



Hello, CTS® holders!

We're so proud to have you in our community of professionals who are dedicated to high standards for the AV industry.

Now, as you might have heard: This is an exciting time for our association. InfoComm International® is now the Audiovisual and Integrated Experience Association™ (AVIXA).

By adopting the name AVIXA, the industry association, which operates as both a trade organization representing companies and as a professional society representing individuals, reflects what its members do (AV) and what they create (integrated experience or IX) for customers. As someone who has already taken the extra step to show your commitment to the AV industry, this connection to the experience of AV cuts right to the heart of what you care about: end results for the people using AV.

What does the name change mean for CTS holders? First, the CTS program remains unchanged. But you are getting a refresh of what the CTS brand looks like. That means, you get some new stuff!

Enclosed you will find your new:

- CTS certificate
- Wallet card
- Lapel pin
- Best use and suggestions sheet to assist you with proper use and marketing of your credential

If you have any questions or if your contact information changes, please reach out to us at [certification@avixa.org](mailto:certification@avixa.org) or at +1.703.273.7200.

Sincerely,

Adrienne Knick  
Director of Certification, AVIXA

Jeremy Caldera CTS-D, CTS-I,  
Chair, AVIXA Independent  
Certification Committee

**CERTIFIED TECHNOLOGY SPECIALIST**  
Installation

	<p>Name: <b>Anthony Huerta</b>          Designation: <b>CTS-I</b>          Effective Date: <b>July 24, 2018</b>          Expiration Date: <b>July 31, 2021</b>          Certification #: <b>3344567</b></p>
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**AVIXA Independent Certification Committee**



Audiovisual and Integrated Experience Association

**Employee Name: Edgar Ochoa**

**Current Position:** Electrical Supervisor

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**Education:** United States Navy; Japan, Puerto Rico, Saudi Arabia 1989 – 1996  
Electrical Theory Certification  
Electrical Distribution Certification  
Motors and Control Certification  
Blue Print Reading Certification

While in the United States Navy, Edgar performed high voltage electrical work in a variety of environments that include hospitals, runways and landing strips, storage facilities for artillery tanks and airport hangers. This work mainly involved underground electrical, pole top distribution, interior wiring and electrical generators.

**Training and Certifications:**

EPA 165.5 training course for the Hazwoper 40 hour certification course  
Certified Journeyman Electrician, State of CA  
16 Hour O&M Asbestos Training Course Certification & Continuing Education  
Lead-Related Construction 24 Hour Worker Course Certification & CE  
Lead-Related Construction Supervisor/Project Monitor Supplement Course  
Federal OSHA 30-hour Certification Course  
OSHA 10-hour Course in Construction Safety and Health  
CPR and First Aid

**Vector Resources Start Date:** November 19, 2001

**Project Experience:**

**Client:** Los Angeles Unified School District (LAUSD)  
**Responsibility:** Electrical Superintendent April 2001 – Present

**Scope of Work:** Responsible for the installation of Type II electrical to support the LAN/WAN being installed in the project. Oversees a crew of site technicians in the design, engineering, installation and data documentation phases of work.

RFP 1082 LAN Mod Program July 2012 – Present  
14 schools

2012 LAN Mod Program July 2012 – Present  
60 schools

2011 LAN Mod Program September 2011 – Present  
57 schools

2009 LAN Mod Program Sept 2010 – September 2012  
54 schools

2008 LAN Mod Program 90 schools	July 2008 – September 2012
2007 PK 2 LAN Mod Program 33 schools	July 2009 – September 2012
2007 PK 4 LAN Mod Program 35 schools	October 2007 – Sept 2010
2006 LAN Refresh Program 81 schools	November 2006 – May 2009
2005 LAN Refresh Program 88 schools	October 2005 – June 2007
Year 6 E-Rate Program 103 schools	October 2003 – October 2005
Year 4.5 E-Rate Program 44 schools	September 2002 – Sept 2003



DEPARTMENT OF INDUSTRIAL RELATIONS  
Division of Labor Standards Enforcement — Electrician Certification Unit  
P.O. Box 420603  
San Francisco, CA 94142-0603  
(510) 286-3900



To whom it may concern:

The Electrician Certification Unit verifies that according to transactions recorded as of September 4, 2018, the below named Electrician is registered as either a Certified Electrician or an Electrician Trainee with the State of California with the status listed below.

<b>Name</b>	<b>Zip Code</b>	<b>Classification</b>	<b>Status</b>	<b>Exp. Date</b>	<b>Number</b>
Ochoa, Edgar	90046	General Electrician	Certified	05-19-2020	E110242G

If you have any questions please contact the Electrician Certification Unit of the Division of Labor Standards Enforcement.

A handwritten signature in cursive script, appearing to read "Luisa Martinez".

Luisa Martinez  
Electrician Certification Manager



## **9. GENERAL CONTRACTOR INFORMATION**



January 10, 2019

To Whom it May Concern

**SUBJECT: DEALER AUTHORIZATION LETTER**

This letter will certify that Vector Resources, Inc. dba VectorUSA is an authorized CRESTRON Dealer for the CRESTRON product line.

As an authorized CRESTRON Dealer, VectorUSA may represent themselves as such and is entitled to supply, install and service our products and have full warranty privileges.

If you have any questions, please contact us at our corporate office.

Sincerely,

A handwritten signature in cursive script that reads "Elizabeth Malleo".

Elizabeth Malleo  
Administrative Support  
Crestron Electronics Inc.

Crestron Electronics, Inc.  
15 Volvo Drive  
Rockleigh, NJ 07647  
Tel: 800.237.2041/201.767.3400  
Fax: 201.767.1903

NEW YORK LOS ANGELES ATLANTA DALLAS CHICAGO FLORIDA TORONTO  
MEXICO CITY BRUSSELS MUNICH LONDON PARIS HONG KONG BEIJING SINGAPORE  
TAIWAN

Legal Name	Registration Number	County	City	License Type/Number(s)	Current Status	Registration Date	Expiration Date
VECTOR RESOURCES, INC. DBA VECTORUSA	1000002893	LOS ANGELES	TORRANCE	CSLB:654046	Active	05/08/2018	06/30/2019

State of California  
**Department of Industrial Relations**

[Labor Law](#)
[Cal/OSHA - Safety & Health](#)
[Workers' Comp](#)
[Self Insurance](#)
[Apprenticeship](#)
[Director's Office](#)
[Boards](#)

Public Works | Public Works Contractor (PWC) Registration Search

### Public Works Contractor (PWC) Registration Search

Enter at least one search criteria to display registered public works contractor(s) matching your selections.

Note: Search results will display all of the public works contractor registrations, both current and expired.

Make sure the proper registration fiscal year is selected when performing a search.

Registration Fiscal Year:

PWC Registration Number:

Contractor Legal Name:

License Number:  [Contractor License Lookup](#)

County:

This is a listing of PWC registrations pursuant to Division 2, Part 7, Chapter 1 (commencing with section 1720 of the California Labor Code.)

Export as: [Excel](#) | [PDF](#)

**Search Results**  
 One registered contractor found. 1

Details	Legal Name	Registration Number	County	City	License Type/Number(s)	Current Status	Registration Date	Expiration Date
<a href="#">View</a>	VECTOR RESOURCES, INC. DBA VECTORUSA	1000002893	LOS ANGELES	TORRANCE	CSLB:654046	Active	05/08/2018	06/30/2019

v2.20171120

STATE OF CALIFORNIA

Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code and the Rules and Regulations of the Contractors State License Board, the Registrar of Contractors does hereby issue this license to:

VECTOR RESOURCES INC



CONTRACTORS STATE LICENSE BOARD ACTIVE LICENSE



License Number 654046

Entity CORP

Business Name VECTOR RESOURCES INC DBA VECTORUSA

Classification(s) C-7 C10 B C61/D56

Expiration Date 09/30/2020

www.cslb.ca.gov



License Number 654046

to engage in the business or act in the capacity of a contractor in the following classification(s):

- C-7 - LOW VOLTAGE SYSTEMS
- C10 - ELECTRICAL
- B - GENERAL BUILDING CONTRACTOR
- D56 - TRENCHING (ONLY)

Witness my hand and seal this day,

December 7, 2012

Issued September 11, 1992

*James Miller*

James Miller  
Board Chair

*Stephen P. Sands*

Stephen P. Sands  
Registrar of Contractors

This license is the property of the Registrar of Contractors, is not transferrable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason. It becomes void if not renewed.



VECTRES-01

PERKOVICH C

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
10/31/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> License # 0E67768 IOA Insurance Services 130 Vantis Suite 250 Aliso Viejo, CA 92656	<b>CONTACT</b> James Barth NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No): (310) 792-7416
E-MAIL ADDRESS: Jamie.Barth@ioausa.com		
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A:</b> Travelers Property Casualty Company of America		25674
<b>INSURED</b>  Vector Resources, Inc. 3530 Voyager Street Torrance, CA 90503	<b>INSURER B:</b>	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES**                      **CERTIFICATE NUMBER:**                      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			6306H947178	11/01/2018	11/01/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY <small>Comp/Colli Ded \$1,000</small>			BA0L893865	11/01/2018	11/01/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$			CUP9J207638	11/01/2018	11/01/2019	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	UB0L239923	11/01/2018	11/01/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Deductible \$2500			6306H947178	11/01/2018	11/01/2019	Installation Floater \$ 2,000,000
A	Deductible \$2500			6306H947178	11/01/2018	11/01/2019	Property In Transit \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Professional Liability Aggregate Limit: \$10,000,000, Deductible: \$25,000. Policy #ZPL21N80907, Travelers Property Casualty Company of America, 11/01/2018 - 11/01/2019.

Pollution Liability Aggregate Limit: \$10,000,000, Deductible: \$10,000. Policy #PPK1900265, Tokio Marine Specialty Insurance Company, 11/01/2018 - 11/01/2020.

<b>CERTIFICATE HOLDER</b>  [FOR PROOF PURPOSES ONLY]	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>James F. Barth</i>



# City of Gardena City Council Meeting

## AGENDA REPORT SUMMARY

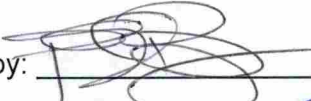

Agenda Item No. 8. B. ( 1 )  
Department: COMMUNITY DEVELOPMENT  
Meeting Date: 5/14/2019  
Ordinance No. 1804

TO: THE HONORABLE MAYOR AND CITY COUNCIL MEMBERS

AGENDA TITLE: PUBLIC HEARING: ORDINANCE No. 1804:

Adoption of Zone Code Amendment #1-19

APPLICANT: City of Gardena

<p><u>COUNCIL ACTION REQUIRED:</u></p> <ul style="list-style-type: none"> <li>▪ Conduct a public hearing on the Zone Code Amendment #1-19</li> <li>▪ Receive testimony from the public</li> <li>▪ Introduce Ordinance No. 1804 approving the Zone Code Amendment</li> </ul>	<p><u>Action Taken</u></p>
<p><u>RECOMMENDATION AND STAFF SUMMARY:</u></p> <p>Staff respectfully recommends that the City Council conduct a public hearing and introduce Ord. No. 1804.</p> <p>On April 16, 2019, the Planning Commission conducted a public hearing regarding the proposed Zone Code Amendment #1-19 after which it voted unanimously to recommend that the City Council adopt the California Environmental Quality Act (CEQA) exemption and approve the Zone Code Amendment with recommended changes to Section 18.42.070 A with regard to fencing. Other minor changes were also made after the Planning Commission hearing to make further clarifications to the language and to eliminate inconsistencies.</p> <p>The primary purpose of the Zone Code Amendment is to align the Zoning Code with modern residential development methods that were not in use when the code was written or last updated. The updates provide for more flexibility in meeting development standards and reflects the types of developments that are popular in infill residential settings. The subject amendment also cleans up obsolete language and introduces newer terminology.</p> <p>Attached is the staff report that went to the Planning Commission, the Commission's Resolution of Recommendation, and a summary of changes. Also attached are two versions of the ordinance: the first explains the changes below each section; the second shows the changes but does not include the explanations. Language amended since the time of the Commission meeting is highlighted in yellow. The different colors of redlining have no significance – it just reflects changes made on different computers.</p> <p>The project will not have a significant effect on the environment and is therefore exempt from the California Environmental Quality Act (CEQA) pursuant to the common sense exemption found in Section 15061.b.3 of the CEQA Guidelines.</p>	
<p><u>FINANCIAL IMPACT/COST:</u> None</p>	
<p><u>ATTACHMENTS:</u></p> <ul style="list-style-type: none"> <li>• Planning Commission Staff Report and PC Resolution No. PC 7-19</li> <li>• Summary of Changes</li> <li>• Ordinance No. 1804 (with staff justification for changes)</li> <li>• Ordinance No. 1804 (without justification)</li> <li>• Letter of Support from Mitchell Wade Gardner, G3Urban, received on May 8, 2019</li> </ul>	
<p>Submitted by:  Raymond Barragan, Community Development Manager Date: 05/08/2019</p> <p>Submitted by:  Edward Medrano, City Manager Date: 05/08/2019</p>	

**Planning Commission Staff Report and  
PC Resolution No. PC 7-19**



CITY OF GARDENA  
PLANNING AND ENVIRONMENTAL QUALITY COMMISSION

STAFF REPORT  
RESOLUTION NO. PC 7-19  
ZCA # 1 – 19  
AGENDA ITEM #5

DATE: April 16, 2019

TO: Chair Jackson and Members of the Planning and Environmental Quality Commission

FROM: Edward Medrano, Director  
Community Development Department

CASE PLANNER: John F. Signo, AICP, Senior Planner

APPLICANT: City of Gardena

LOCATION: Citywide

REQUEST: Zoning Amendment to Residential Provisions of the Code

Staff has determined that these changes would not have the possibility of having any significant impact and therefore the ordinance qualifies for a Notice of Exemption.

BACKGROUND

During the past months, staff has had a chance to process several housing projects from various developers. Working with the Zoning Code in relation to these projects, as well as receiving comments and requests from developers, has led staff to the realization that a Code amendment is needed.

The Planning Commission is being asked to recommend approval of Zoning Code Amendment #1-19 to the City Council.

ZONE CHANGE ANALYSIS

Gardena Municipal Code Section 18.52.010 provides that whenever the public necessity, convenience, general welfare, or good land use and zoning practices require, the council may amend, supplement or change the zoning regulations in accordance with the procedures of the California Government Code, as supplemented by the provisions of the GMC.

An annotated copy of the Ordinance is attached hereto which sets forth the reasoning behind the changes. The reasoning demonstrates that the requirements of Section 18.52.010 have been satisfied.

### ENVIRONMENTAL REVIEW

This Ordinance is categorically exempt from CEQA pursuant to the common sense exemption set forth in Guidelines section 15061(b)(3) that CEQA only applies to projects which have the potential for causing a significant effect on the environment and where it can be seen with certainty that there is no possibility that the activity will have a significant effect, the activity is not subject to CEQA. None of the changes to the development standards and definitions set forth above would change the density, intensity, or allowed uses or would have other effects on the environment. The changes are primarily a reorganization and clarification of the existing code and practices relating to residential development standards. For these same reasons, the Ordinance also qualifies for an exemption under CEQA Guidelines section 15305 (Class 5) for minor alterations in land use limitations in areas with an average slope of less than 20%. No part of Gardena has a slope in excess of 20%. The changes are not for any specific project and therefore will not impact any environmental resource of hazardous or critical concern, will not create cumulative impacts, or impacts to scenic highways, hazardous waste sites, or historical resources. Because this is an ordinance pertaining to citywide development standards there will not be any significant effects on the environment due to unusual circumstances.

### NOTICE

As a zoning ordinance, a public hearing is required. Because the Ordinance created city-wide changes, notice was given by way of a 1/8 page advertisement on April 4, 2019.

### RECOMMENDATION

Staff recommends the Planning Commission adopt Resolution No. PC 7-19 which recommends that the City Council adopt the zoning ordinance as presented or with any changes that the Planning Commission feels should be made after discussing the matter.

### ATTACHMENTS

Annotated Zoning Ordinance  
Resolution No. PC 7-19

- Exhibit A – Draft Ordinance

**RESOLUTION NO. PC 7-19**

**A RESOLUTION OF THE PLANNING AND ENVIRONMENTAL QUALITY COMMISSION OF THE CITY OF GARDENA, CALIFORNIA RECOMMENDING THAT THE CITY COUNCIL APPROVE ORDINANCE NO. XXX MAKING CHANGES TO TITLE 18, ZONING, OF THE GARDENA MUNICIPAL CODE RELATING PRIMARILY TO RESIDENTIAL DEVELOPMENT**

**WHEREAS**, City staff initiated zone text amendments to update Title 18 of the Gardena Municipal Code, primarily related to residential development; and

**WHEREAS**, on April 16, 2019, the Planning Commission of the City of Gardena held a duly noticed public hearing on the draft Ordinance at which time it considered all evidence, both written and oral;

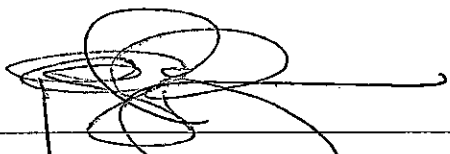
**NOW, THEREFORE, THE PLANNING AND ENVIRONMENTAL QUALITY CONTROL COMMISSION OF THE CITY OF GARDENA DOES HEREBY RESOLVE AS FOLLOWS:**

The Planning Commission hereby recommends that the City Council adopt the Ordinance attached hereto as Exhibit A making changes to Title 18 of the Gardena Municipal Code, primarily related to residential development. For all of the reasons set forth in the reasoning provided by staff, the Planning Commission believes that these changes represent good land use practices which are required by public necessity, convenience and the general welfare.

PASSED, APPROVED, AND ADOPTED this 16<sup>th</sup> day of April 2019.

  
BREND A JACKSON, CHAIR  
PLANNING AND ENVIRONMENTAL  
QUALITY COMMISSION

ATTEST:

  
RAYMOND BARRAGAN, SECRETARY  
PLANNING AND ENVIRONMENTAL QUALITY COMMISSION  
STATE OF CALIFORNIA  
COUNTY OF LOS ANGELES  
CITY OF GARDENA

I, Raymond Barragan, Planning and Environmental Quality Commission Secretary of the City of Gardena, do hereby certify that the foregoing Resolution was duly adopted by the Planning and Environmental Quality Commission of the City of Gardena at a regular meeting thereof, held the 16<sup>th</sup> day of April 2019, by the following vote:

AYES: HENDERSON, PIERCE, SHERMAN, JACKSON  
NOES:  
ABSENT: LANGLEY

Attachments:

Exhibit A – Draft Ordinance

# **Summary of Changes**

## Primary Changes on Zoning Ordinance

### Definitions

- **Accessory Building:** Separated into two definitions: Accessory Building and Accessory Use
- **Accessory Living Quarters:** Deleted because it does not appear elsewhere in Code
- **Accessory Use:** Previously included in Accessory Building; now has its own definition
- **Building Height:** Clearer way to define height
- **Cluster Development:** New definition to address newer development
- **Density:** Never previously defined which caused confusion as to how it is calculated
- **Floor Area Ratio:** Cleared up exceptions to FAR
- **Freeway:** Deleted because it is not used elsewhere in Code
- **Hospital:** Updated and simplified language
- **Open Space:** Never previously defined which caused confusion as to what areas were counted
- **Parking Space, Automobile:** Deleted regulatory provisions from definition which were already included elsewhere
- **Site Plan:** Clarified that review is the job of Director, not Building Official
- **Front Yard:** Clarification to correctly reference all of Title 18 (Zoning)
- **Rear Yard:** Clarification to correctly reference all of Title 18 (Zoning)
- **Side Yard:** Clarification to correctly reference all of Title 18 (Zoning)

### Open Space

Zone	Prior	As Revised
R-2	<ul style="list-style-type: none"> <li>• 600 sf minimum per unit</li> <li>• 25% (150 sf) minimum private and accessible from ground floor living room, kitchen, or den</li> <li>• 75% private or common</li> <li>• 10% can be enclosed area</li> <li>• Minimum dimension of 10' x 15'</li> <li>• Balconies, patios – minimum area of 60 s.f. and no dimension less than 4'</li> </ul>	<ul style="list-style-type: none"> <li>• 600 sf minimum per unit</li> <li>• 25% (150 sf) minimum private and accessible from unit</li> <li>• 75% private or common</li> <li>• 10% can be enclosed area</li> <li>• Minimum area of 150 sf and no dimension less than 8'</li> <li>• Balconies, patios, decks – minimum area of 40 sf and no dimension less than 4'</li> </ul>
R-3/R-4	<ul style="list-style-type: none"> <li>• 600 sf minimum per unit</li> </ul>	<ul style="list-style-type: none"> <li>• 600 sf minimum per unit</li> <li>• 25% (150 sf) private and accessible from unit</li> </ul>

	<ul style="list-style-type: none"> <li>• 25% (150 sf) private and accessible from ground floor living room, family room or kitchen</li> <li>• If 15+ units - 33% (200 sf) common</li> <li>• 10% can be enclosed area</li> <li>• Minimum dimension - 10' x 15'</li> <li>• Balconies, patios – minimum area of 60 sf and no dimension less than 4'</li> </ul>	<ul style="list-style-type: none"> <li>• If 15+units – 33% (200 sf) common</li> <li>• 10% can be enclosed area</li> <li>• Minimum area of 150 sf and no dimension less than 8'</li> <li>• Balconies, patios, decks – minimum area of 40 sf and no dimension less than 4'</li> </ul>
MUO	<ul style="list-style-type: none"> <li>• 150 sf minimum per unit</li> <li>• 70 sf minimum private</li> <li>• 50 sf minimum common</li> <li>• Remainder can be private or common</li> <li>• Minimum dimension 7' for private in any direction</li> <li>• Minimum dimension 20' for common in any direction</li> <li>• Private open space directly accessible from the living area of the unit</li> </ul>	<ul style="list-style-type: none"> <li>• 150 sf minimum per unit</li> <li>• 70 sf minimum private</li> <li>• No minimum for common</li> <li>• Remainder can be private or common</li> <li>• 10% can be enclosed area</li> <li>• No dimension less than 8' for private or common</li> <li>• Private open space directly accessible from the unit</li> <li>• Private balconies, patios, decks – minimum area of 40 sf and no dimension less than 4'</li> </ul>
MUO – live/work	<ul style="list-style-type: none"> <li>• 100 sf minimum common or private per unit</li> <li>• Minimum dimension 7' for private in any direction</li> <li>• Minimum dimension 20' for common in any direction</li> <li>• Private open space directly accessible from the living area of the unit</li> </ul>	<ul style="list-style-type: none"> <li>• 100 sf minimum common or private per unit</li> <li>• No dimension less than 8' for private or common</li> <li>• Private open space directly accessible from the living area</li> <li>• Private balconies, patios, decks – minimum area of 40 sf and no dimension less than 4'</li> <li>• 10% can be enclosed area</li> </ul>
Commercial-Residential	<ul style="list-style-type: none"> <li>• 150 sf minimum per unit</li> <li>• 50 sf minimum private</li> <li>• 75 sf minimum common</li> <li>• 25 sf can be private or common</li> <li>• Minimum dimension 4' for private in any direction</li> </ul>	<ul style="list-style-type: none"> <li>• 150 sf minimum per unit</li> <li>• 50 sf minimum private</li> <li>• 75 sf minimum common</li> <li>• 25 sf private or common</li> <li>• No dimension less than 8' private or common</li> <li>• Min. dimension 4' for balconies, patios, decks</li> </ul>

	<ul style="list-style-type: none"> <li>• Minimum dimension: 20' for common in any direction</li> <li>• Private open space directly accessible from the living area of the unit</li> </ul>	<ul style="list-style-type: none"> <li>• Private open space directly accessible from the living area</li> <li>• 10% can be enclosed area</li> </ul>
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### Open Space

Open space requirements were not uniform throughout the various zones as to things such as dimensions or even what counted as open space. The individual square foot requirements have been left in each zone, but a new section has been created which places all of the other requirements in one place.

- Minimum dimension for open space of 10' x 15' (150 sf area) has been changed. Still require 150 sf, but minimum dimension can be 8'
- Balconies may now be a minimum area of 40' instead of 60', minimum of 4' uniformly, and balcony dimensions now apply to all zones
- 10% of common area that can be enclosed (i.e., a rec room) applies to all zones
- Revised to provide that private open space just has to be directly accessible from the unit, not from any specific room in the unit

### R-4

Height of 35' may be increased to allow building elements to go to 40'

### MUO

Side setback – set at 5'. Was 10' if adjacent to residential, industrial or side street and 0' if adjacent to anything else

Rear setback – set at 10'. Was 20' if adjacent to residential or industrial and 10' if adjacent to commercial

Off-street parking – 50% can be tandem in residential units

### Fences

Allows fences in the front yard setback in cluster development if they are made of iron or steel and interspersed with other materials. Must still have 5 feet of landscaping.



**Ordinance No. 1804**  
**(With Staff Justification for Changes)**

**ORDINANCE NO. 1804**

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF GARDENA, CALIFORNIA, MAKING CHANGES TO TITLE 18, ZONING, OF THE GARDENA MUNICIPAL CODE RELATING PRIMARILY TO RESIDENTIAL DEVELOPMENT**

**WHEREAS**, the Gardena's Zoning Law has not had a review and update in many years; and

**WHEREAS**, staff has made a determination that many changes are needed to modernize the City's Zoning Law; and;

**WHEREAS**, staff has determined that it is in the best interests to process these changes in phases so that the more simple changes can be quickly implemented; and

**WHEREAS**, the Planning Commission held a duly noticed public hearing on this Ordinance on April 16, 2019 at which time it considered all evidence presented, both written and oral; and

**WHEREAS**, at the close of the public hearing the Planning Commission adopted Resolution No. PC 7-19 recommending approval of this Ordinance; and

**WHEREAS**, the City Council held a duly noticed public hearing on this Ordinance on May 14, 2019 at which time it considered all evidence presented, both written and oral;

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF GARDENA, CALIFORNIA, DOES HEREBY ORDAIN AS FOLLOWS:**

**SECTION 1. FINDINGS.**

A. The City Council finds that adopting the changes set forth in this Ordinance represents good planning practices for the following reasons: it modernizes the City's Zoning Law; it makes the Municipal Code easier to use; it makes sense to have different development regulations in the medium and high density residential zones.

B. The City Council further finds that this Ordinance is consistent with the City's General Plan.

**SECTION 2.** The following definitions contained in Chapter 18.04 of the Gardena Municipal Code are hereby added, deleted, or amended to read as follows:

A. Section 18.04.010, "Accessory building," is hereby amended to read as follows:

“Accessory building” means a building, part of a building, or structure which is detached from and subordinate to, and the use of which is incidental to, that of the main building, structure, or use on the same lot. Where an accessory building is a part of or joined to the main building, such accessory building shall be counted as part of the main building. ~~“Accessory use” means a use incidental, appropriate, subordinate and devoted exclusively to the main use of the lot or building on such lot.~~

**Reason for change:** *This definition actually contained two separate definitions.*

B. Section 18.04.015, “Accessory living quarters,” is hereby deleted:

~~“Accessory living quarters” means living quarters within an accessory building located on the same premises with the main building, such quarters having no kitchen facilities and not rented or otherwise used as separate dwelling.~~

**Reason for change:** *This term does not appear elsewhere in the Code.*

C. A new Section 18.04.015 is hereby added to read as follows:

“Accessory use” means a use ancillary, incidental, appropriate, subordinate and devoted exclusively to the main use of the lot or building on such lot.

**Reason for change:** *Adds definition that was previously included with “Accessory building.”*

D. Section 18.04.080, “Building height,” is hereby amended to read as follows:

“Building height” means the vertical distance measured from the lowest portion of the building that is above ground to the highest point of the roof average level of the finished grade at the front of the building to the highest point of the structure, exclusive of the exceptions to building height permitted by this title.

**Reason for change:** *Clearer way to define height.*

E. Section 18.04.112, “Cluster development,” is hereby added to read as follows:

“Cluster development” means a multi-family development of three or more buildings or separate units which are enclosed within a gated community or which have non-traditional orientations away from the public street, such as buildings facing each other with interior courtyards.

**Reason for change:** *Added new term to deal with more recent type of developments.*

F. Section 18.04.143 is hereby added to read as follows:

“Density” means the number of units per acre based on gross acreage.

***Reason for addition: Density was never defined before which led to a confusion for developers and staff as to how it was to be calculated.***

G. Section 18.04.190, “Floor area ratio,” is hereby amended to read as follows:

“Floor area ratio” means the numerical value obtained by dividing the total floor area of all buildings located on a lot or parcel of land by the total area of such lot or parcel of land. In calculating the floor area ratio, the measurements for all structures shall be from outside wall to outside wall, using the gross square footage; provided, that for multifamily dwellings and condominiums any garage area, private street, private access way, uncovered patio, porch, or balcony, and any uncovered common recreation area including swimming pools shall be excluded from the FAR calculation. In calculating the total land area, no portion of any street, alley or right of way dedication/easement shall be included.

***Reason for change: These items do not belong in a floor area ratio calculation.***

H. Section 18.04.195, “Freeway,” is hereby deleted:

~~“Freeway” means a main highway in respect to which the owners of abutting lands have no right to easement or access to or from their abutting lands, or in respect to which such owners have only limited or restricted easement or access, and which is declared to be such in compliance with the Streets and Highways Code of the state.~~

***Reason for change: This term does not appear elsewhere in the Zoning Code.***

I. Section 18.04.235, “Hospital,” is hereby amended to read as follows:

“Hospital” means an establishment primarily engaged in providing diagnostic services, medical treatment including surgical services, and other inpatient medical services. Such establishment has an organized medical staff, inpatient beds, and equipment and facilities to provide health care. “Hospital” includes but is not limited to ~~a mental hospital except for the mentally retarded~~, psychiatric hospital, ~~alcoholism~~-rehabilitation hospital, cancer hospital, children’s hospital, chronic disease hospital, ~~drug addiction rehabilitation hospital~~, maternity hospital, and orthopedic hospital.

***Reason for change: Updating and simplifying language.***



J. Section 18.04.373, "Open space," is hereby added to read as follows:

"Open space" means an unobstructed portion of a lot which is usable for active or passive recreational and leisure use.

***Reason for addition: This term was not previously defined and has led to some confusion as to what areas are to be counted for open space calculations.***

K. Section 18.04.380, "Parking space, automobile," is hereby amended to read as follows:

"Automobile parking space" means a space within a building or public parking area for the temporary parking or storage of one automobile, exclusive of streets, alleys, driveways, aisles and the area of ingress or egress. ~~Such parking space, when enclosed within a building, shall consist of an area not less than nine feet wide and twenty feet deep having access at all times to a public street or alley. All open parking spaces shall consist of an area not less than nine feet wide and twenty feet deep having access at all times to a public street or alley.~~

***Reason for change: Regulatory provisions are already included in Chapter 18.40 and do not belong in definitions.***

L. Section 18.04.420, "Site Plan," is hereby amended to read as follows:

"Site plan" means a plan, prepared to scale, showing all of the uses proposed for a specific property. The plan shall show clearly and with full dimensioning all buildings, building heights, spaces between buildings, off-street parking and loading spaces, points of ingress and egress, walls, fences, landscaping features, and any additional information which may be deemed necessary by the ~~building official~~ Community Development Director to clearly define the intended use of the property and determine its conformity with the provisions of this chapter and any conditions imposed in connection with a variance or conditional use permit.

***Reason for change: Clarification – this is job of Director, not building official.***

M. Section 18.04.485, "Yard, front," is hereby amended to read as follows:

"Front yard" means a yard extending across the full width of the lot, the depth of which is the minimum horizontal distance between the front lot line or planned street line and the closest permissible point on a building on the lot, excepting the limited projections permitted in this ~~chapter~~ Title.

***Reason for change: Clarification, the correct reference is to all of Title 18 on zoning.***

N. Section 18.04.490, "Yard, rear," is hereby amended to read as follows:

“Rear yard” means a yard contiguous to the rear line of a lot and extending from side lot line to side lot line, the depth of which is the minimum horizontal distance between the rear lot line and the closest permissible point on a building on the lot, excepting the limited projections permitted in this [chapter Title](#). On a corner lot the rear yard shall extend from the interior side lot line to the side yard on the street side.

**Reason for change: Clarification, the correct reference is to all of Title 18 on zoning.**

O. Section 18.04.500, Yard, side,” is hereby amended to read as follows:

“Side yard” means a yard contiguous to the side lot line, extending from the front yard, or front lot line where no front yard is required, to the rear yard, or rear lot line where no rear yard is required, the width of which side yard is the minimum horizontal distance between the side lot line and the closest permissible point on a building on the lot, excepting the limited projections permitted in this [chapter Title](#).

**Reason for change: Clarification, the correct reference is to all of Title 18 on zoning.**

**SECTION 3.** Section 18.12.050.D of the Gardena Municipal Code, relating to development standards in the R-1 zone, is amended to read as follows; all other sections remain the same:

D. Density: A maximum of one dwelling unit per lot, except for [a secondan accessory](#) dwelling unit.

**Reason for change: The term “second dwelling unit” was revised by State to “accessory dwelling unit.”**

**SECTION 4.** Sections 18.14.050 D and J of the Gardena Municipal Code, relating to development standards in the R-2 zone are hereby amended to read as follows; all other sections remain the same:

D. Density: a maximum of [two dwelling units per lot, but no more than 17 units/acre. one dwelling per two thousand five hundred sixty two and four tenths square feet of lot area \(seventeen units/acre\), provided no lot shall contain more than two units. When the application of such density standards results in a fraction of a dwelling unit, such fraction, if below the five tenths breakpoint, shall be rounded downward to the nearest whole number, and, if such fraction is at or above the five tenths breakpoint, it shall be rounded upward to the nearest whole number;](#)

**Reason for change: Eliminates superfluous language.**

J. Useable open space: a minimum of six hundred square feet of useable open space, [both private and common](#), shall be provided for each unit for the



recreational and leisure use of the residents of all multiple-family dwellings and condominiums in accordance with the requirements of Section 18.42.075. ~~subject to the following provisions:~~

1. A minimum of twenty-five percent of the required useable open space shall be private and directly accessible from the ground floor living room, ~~kitchen or den of the~~ individual dwelling unit.

2. The remaining seventy-five percent may be private or common open space.

~~2. Useable open space, except private balconies, and patios and decks, shall have a minimum dimension of ten feet by fifteen feet.~~

~~3. Private balconies, and patios, and decks to qualify as useable open space shall have a minimum area of sixty square feet and any one dimension not less than four feet.~~

~~4. All useable open space, excluding private balconies, patios, decks, designated common game areas, and fenced swimming pool areas shall be landscaped.~~

~~5. Enclosed areas properly improved and designated for the leisure and recreational use of all the residents may contribute to a maximum of ten percent of the useable open space requirement.~~

~~6. Specifically excluded as useable open space are all open and enclosed parking areas, garages, driveways, automobile turning aisles, storage areas, refuse storage areas, roof decks, and any area fenced or otherwise inaccessible to the residents;~~

***Reason for change: Cross-reference to new section on Open Space requirements and clarifies that all open space could be private.***

**SECTION 5.** Sections 18.16.050D, F, G, and J of the Gardena Municipal Code relating to development standards in the R-3 zone are hereby amended to read as follows; all other sections remain the same:

D. Density: a maximum of 17 units/acre one dwelling unit per two thousand five hundred sixty two and four tenths square feet of lot area (Seventeen units/acre). However, when the application of such density standard results in a fraction of a dwelling unit, such fraction, if below the five-tenths breakpoint, shall be rounded downward to the nearest whole number, and, if such fraction is at or above the five-tenths breakpoint, it shall be rounded upward to the nearest whole number;

***Reason for change: Eliminates superfluous language.***

F. Building height: the maximum building height shall not exceed thirty-five feet and shall consist of no more than three stories;