



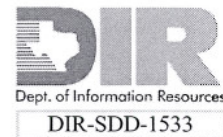
MCA Communications, Inc.
 525 Northville St.
 Houston, Texas 77037
 Phone: (281) 591-2434 X140
 Fax: (832) 565-9995
 Web: www.mcacom.com
 E-mail: jadame@mcacom.com

Professional AV System Quote

Date: 6/7/2012
 Estimate #: 7880

Client
 Fort Bend County
 500 LibertyRoom 212
 Richmond, Texas 77469
 Attn: Charles King

Ship To
 Fort Bend County
 JP 1-2
 Pct-1 Building 1517
 Eugene Heimann Circle,
 Suite 100



Item	Description	Qty	Total
PCT-1 COURTROOM AUDIO VIDEO SYSTEM {FLAT PANEL SOLUTION}			
LS5700	- MAIN COURT ROOM AUDIENCE MONITORS LG LED LCD SMART TV Series, 1080p, 120Hz, Edge LED, 5M:1 DCR, 4HDMI, WiFi Smart Share	2	5,400.00T
PCMU	CHIEF UNIVERSAL CEILING MOUNT Flat Panel Ceiling Mount (42-71" Displays)	2	791.91T
CMA110	CHIEF CMA-110 FLAT CEILING PLATE	2	117.18T
CMS0305	CHIEF ADJ. PIPE 36" TO 60" (BLACK)	2	220.48T
HARDWARE	Micelleneous Hardware, Cables, Connectors, Etc. - JUDGE PERSONAL MONITOR	2	135.00T
IPS235V-BN	LG LED Monitor, IPS LCD panel, LED-backlit, D-sub, DVI, HDMI, Energy Star 5.1. Super Energy Saving, Dual Package for easy configuration of a second display, 1920x1080 Res, 250cd/m2 brightness, 5,000,000:1 contrast ratio and 5ms response time. - MONITOR INTERCONNECT CABLES	1	315.90T
E-HDM-M-08	LIBERTY CABLE MOLDED HDMI CL2 CBL 8 METERS	1	51.45T
P-HDM-M-03	LIBERTY CABLE PLENUM HDMI INTERCONNECT	3	153.45T
PDR2000B	MONITOR FOR JURY STAND CHIEF LARGE DUAL ARM W/O INTERFACE Note: Monitor Articulating Arm Extends Up to 37" From the Wall.	1	641.66T
42LK450	LG 42" 1080P LCD TV/MONITOR	1	717.53T
HARDWARE	Micelleneous Hardware, Cables, Connectors, Etc.	1	101.25T
CONTROL SYSTEM/AMPLIFIER			
DMPS-300-C	Crestron DigitalMedia™ Presentation System 300	1	4,725.00T
DM-TX-200-C-2G-B-T	Crestron Wall Plate DigitalMedia 8G+™ Transmitter 200, Black Textured; includes PW-2407WUL	2	1,890.00T
PWE-4803RU	Crestron PoE Injector, universal 100-250 Volts AC INPUT VGA-3,5/HDMI PLATE WITH CABLES OR BALUM	1	67.50T
TPS-6	Crestron Isys™ 5.7" Tilt Touchpanel, Gloss Black; includes TPS-6X-IMCW, PW-2407WU, TPS-6X-FP (w/default engraving) & TPS-6X-FP-NB	1	2,160.00T
DM-RMC-SCALER-C	Crestron DigitalMedia 8G+™ Receiver & Room Controller w/Scaler	2	1,890.00T
1T-DA-654	TV One 1T-DA-654 HDMI Distribution Amplifier	1	391.50T
DM-CBL-D-P-SP500	Crestron DigitalMedia™ D Cable - (1) High-bandwidth/low-crosstalk shielded 4-twisted pair, plenum, 500 ft spool	2	1,377.00T
MICROPHONES			
Judge, Witness Stand, Defendant Podium (3ea.)			
MX418D/C	Shure 18" Desktop Gooseneck Condenser Microphone, Attached 10' XLR Cable, Logic Functions, Programmable Switch and LED Indicator, Attached Desktop Base Lawyer Tables	3	850.50T
MX890	Wireless Desktop Base with Integrated Wireless Transmitter, Programmable Mute for use with MX405/MX410 Gooseneck Microphones. Requires SLX4 or SLX4L Receiver	3	1,210.95T
MX415/S	Shure MX415/S supercardiod-18" Gooseneck Condenser Microphone	3	939.60T
SLX4L-	Shure Diversity Receiver with TTL Logic Output, PS21 Power Supply, 1/4 Wave Antenna, and Rack Mounting Hardware. For use with MX690 and MX890	3	1,048.95T

Designed & Proposed By:
 John Adame
 MCA Sr. AV Sales Engineer
 Cell: (214) 412-5658



Delivering integrated communications is a complex undertaking...MCA Communications has the technology, partners, and skill to deliver a successful highly integrated communications solution...And we will make it simple for YOU with a Single Vendor for all of your low-voltage technology requirements...



TOTAL \$46,355.75



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Item	Description	Qty	Total
SLX14/84- UA844SWB	Judge Wireless Lavalier Mic Shure Includes SLX1 and WL184 Microflex® Supercardioid Lavalier Microphone Shure Wideband UHF Four-Way Active Antenna Splitter and Power Distribution System for SLX	1 1	635.85T 471.15T
ACCESSORIES	and ULX. 120V External Power Supply. Includes Power and Antenna Cables, 470-952 MHz SYSTEM ACCESSORIES: Rechargeable Dual AA Battery Packs (2ea.) NOTE: This pack includes: One charger for AA/AAA NiMH batteries Four - AAA 850 mAh NiMH batteries Eight - AA 2500 mAh NiMH batteries	2	180.00T
FAP-62T CX-302V 18-2C-PSH-BLK	SPEAKERS/SPEAKER CABLE(S) Atlas FAP62T 6" Two Way Ceiling Speaker QSC CX-302V 70Volt Professional Power Amplifier LIBERTY CABLE 18AWG 2 CONDUCTOR SPEAKER CABLE, PLENUM (SPECIFY COLOR)	18 1 1	1,750.82T 1,393.20T 182.25T
DWR-18-22 EB1-CP12 VT1-CP12 PD-915R	<EQUIPMENT RACK> 18 SPACE (31 1/2") SECTIONAL WALL RACK, FITS 20" DEEP EQUIP., BLACK FINISH MIDDLE ATLANTIC 12 PC. EB1 CONTRACTOR PACK, PANELS IN PLAIN POLY BAGS 12 PC. VT1 CONTRACTOR PACK, PANELS IN PLAIN POLY BAGS 9 OUTLET, SINGLE 15 AMP CIRCUIT, SURGE/SPIKE PROTECTED RACKMOUNT POWER DISTRIBUTION W/9' CORD, BLACK POWDERCOAT FINISH	1 1 1 1	599.23T 86.77T 138.63T 94.00T
HW100 D2 MICS-CABLES	MIDDLE ATLANTIC 100 PC. PHILLIPS 10/32 CAPTIVE CUP WASHER RACK SCREWS MIDDLE ATLANTIC 2 SPACE (3 1/2") RACK DRAWER, BLACK BRUSHED FINISH MISCELLANEOUS CABLES, PARTS, ADAPTERS NOTE: RACK CONFIGUATION MAY CHANGE DUE TO LOCATION. BEST LOCATION WOULD BE NEAR WALL BEHIND BENCH AREA.	1 1	24.15T 133.48T
HARDWARE E-MVGAM-AM-M-12 P-HDM-10 DM-CBL-D-P-SP500	DIGITAL MEDIA/CABLES VIDEO CABLES Miscellaneous Hardware, Cables, Connectors, Etc. LIBERTY CABLE 12' VGA W/AUDIO 3.5MM LIBERTY 10 METER 33FT PLENUM HDMI CABLE (M/M) Crestron DigitalMedia™ D Cable - (1) High-bandwidth/low-crosstalk shielded 4-twisted pair, plenum, 500 ft spool	2 4 3 1	472.50T 129.06T 402.98T 688.50T
G-2V2A-C3-35 PC-G1795-E-P-C	LIBERTY PLN VGA+3.5+CV+2RCA 35FT JMPR PANEL CRAFTERS VGA W/3.5MM, HDMI INPUT PLATE	2 2	287.93T 97.47T
LS-02-072-01*	<ASSISTIVE LISTENING> Listen Technologies Basic Listen FM System (72MHz) (North America) NOTE: Includes 4ea. Receivers Sets	1	1,167.47T
SHOP SUPPLIES INSTALLATION PROGRAMMING	<INSTALLATION/PROGRAMMING> MISC SHOP SUPPLIES, HARDWARE, CONNECTORS PROFESSIONAL SYSTEM INSTALLATION, SYSTEM CALIBRATION PROFESSIONAL SYSTEM PROGRAMMING & CALLIBRATION (AMX, CRESTRON, DSP)		770.00T 8,250.00 2,640.00
Freight	Equipment Freight		423.50T

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TOTAL \$46,355.75



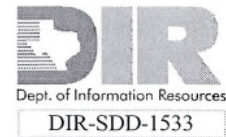
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Item	Description	Qty	Total
	<p>SYSTEM PROPOSAL NOTES:</p> <p>This proposal is valid for Thirty (30) days from the date shown. After that time, MCA must be contacted to insure that all labor, materials, and construction intervals are still valid. Normal Business Hours of Operation for MCA employees and/or subcontractors is from 7:00 a.m. to 5:00 p.m., Monday through Friday, (except for Holidays which are billed at premium time rates.) Work requested outside of normal business hours may be provided, but will result in additional charges.</p> <p>This is a complete terminated, and programmed commercial audio visual system. This system is a custom design system and is the property of MCA Communications.</p> <p>MCA shall supply all 'AS-BUILT' System drawing(s) on paper and in digital form. MCA shall also supply the Crestron Control System Source Code, for any future reference.</p> <p>MCA WORKMANSHIP WARRANTY: ONE YEAR (This Warranty excludes any and all existing equipment, connectors, wires, terminations, and programming enhancements etc.)</p> <p>SYSTEM EQUIPMENT MANUFACTURER WARRANTIES:</p> <p>LG EQUIPMENT FLAT PANELS - 1 Year Parts & Labor</p> <p>Includes: LG 60LS5700 60" 1080p LCD TV LG 42LK0450 42" 1080p LCD TV LG IPS235V-BN 23" Monitor</p> <p>CRESTRON WARRANTY</p> <p>The Crestron warranty is applicable to Crestron products, excluding Crestron Lighting Control Systems. Crestron warrants its products for a period of three (3) years from the date of purchase from Crestron. Disk drives and any other moving or rotating mechanical parts, pan/tilt heads and power supplies are covered for a period of one (1) year. Touchscreen displays and overlay components are covered for ninety (90) days. Batteries and incandescent lamps are not covered. This warranty extends to products purchased directly from Crestron or an authorized Crestron dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.</p> <p>SHURE PRODUCTS WARRANTY</p> <p>Every Shure® product comes with a Limited Warranty that in normal use the product will be free of any defects in materials or workmanship for a period of one or two years from its original date of purchase. Every Shure® product comes with a Limited Warranty that in normal use the product will be free of any defects in materials or workmanship for a period of one or two years from its original date of purchase.</p> <p>QSC AMPLIFIER(S) CX-302V POWER AMPLIFIER 3-YEAR WARRANTY Sales Tax</p>		0.00

Designed & Proposed By:
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TOTAL \$46,355.75



MCA Communications, Inc.
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 525 Northville St.
 Houston, Tx 77037

System Estimate

Date 4/5/2012 Estimate # 7881

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Item	Description	Qty	Total
	PORTABLE 70" INTERACTIVE SMART BOARD		
SBID8070i-SMP	SMART Technologies SMART Board 70" Interactive Display with SMART Meeting Pro	1	10,049.85T
FSSBID	SMART TECHNOLOGIES MOBLE STAND FOR INTERACTIVE DISPLAYS	1	4,529.85T
CABLES	Attached		156.25T
INSTALLATION	PROFESSIONAL SYSTEM INSTALLATION, SYSTEM CALIBRATION		595.20
Freight	Equipment Freight		186.25T
	Sales Tax		0.00

Prepared By:
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 jadame@mcacom.com



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TOTAL: \$15,517.40



Fort Bend County AV System Upgrade Installation Summary

The AV System addition(s) for the Fort Bend County Precinct -1 entails the addition of 60" monitors facing the Audience. These Monitors will be mounted from the ceiling, for maximum support utilizing a 10"x10" steel flange, dropping down with 1-1/2" Pipe extensions to the actual Monitor Mount. A dual receptacle 120VAC Electrical outlets are requested to the owner, to power each monitor location. These outlets can be placed on the wall behind the monitor. There will also be a grommet plate taking the Cat-5 signal to the Crestron DMS Scaler, which transcodes the input signal to HDMI.

The 42" Jury Monitor shall be mounted on the wall on a 37" extension articulating mount. This will be near the corner just to the left of the Jury Box. A dual receptacle 120VAC Power, off a 20 amp circuit shall need to be installed. The signal will be an HDMI Signal coming from the HDMI Distribution Amplifier.

The Rack will be located in Storage Room #144. A 4'x8' sheet of plywood is requested to be installed and anchored to the metal studs. The Middle Atlantic DWR 18 Space Rack shall be mounted atop the plywood, for a secure attachment. One Isolated and Insulated 120VAC Circuit is requested to be installed to power the Equipment Rack. The quad box receptacle can be installed within the plywood, or above the plywood, as deemed sufficient, to power the rack equipment. 2ea. Circuits would be a great idea as well.

Cables from the Lawyer tables shall be installed from the existing wall plate locations. One Cat-5/6 shall be replaced. The Crestron Digital Media Plates will be installed to one side or the other of the existing network plates. See Equipment Specs for input plates. All the microphones for the lawyer tables are all wireless, thus no cables will need to be pulled for this equipment.

Pulling cables to and from the island bench area may be a bit of a stretch. We need to pull cables to and from the Bench area, utilizing Cat-5/6 Cables, VGA Cables, Mic Cables, Etc. There seems to be an opportunity to access two available conduit boxes.

There may be a need to access down the wall, in the hallway behind the bench area, to under the raised floor, then pull up the cables under the judges desk area. These cables are an essential part of the AV system. More on this shall be determined upon further area investigation. We would like to request a conduit riser for the bench area, on how conduits route to and from the bench area. Are there any junction Nema box locations to access?

The speaker system shall be installed in two separate zones. Zone 1 (front), Zone 2 (Audience).

All cables shall be Plenum (Fire) Rated. Thus no conduit shall be deemed necessary; for any new cables that we are to install.

Please see attached drawing(s) for further information and locations.

By: John Adame
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KEYED NOTES

- ① MIDDLE ATLANTIC DWR SECTIONAL WALL MOUNT RACK WITH 3/4" PLYWOOD BACKING
- ② PDR SERIES LARGE FLAT PANEL SWING ARM WITH 37" EXTENSION MOUNTED 78" AFF TO BOTTOM OF 42" MONITOR
- ③ 60" FLAT SCREEN MONITOR

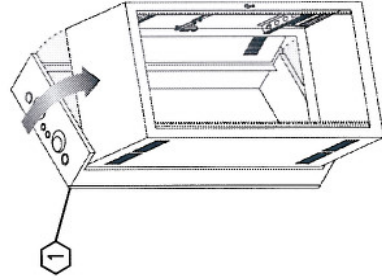
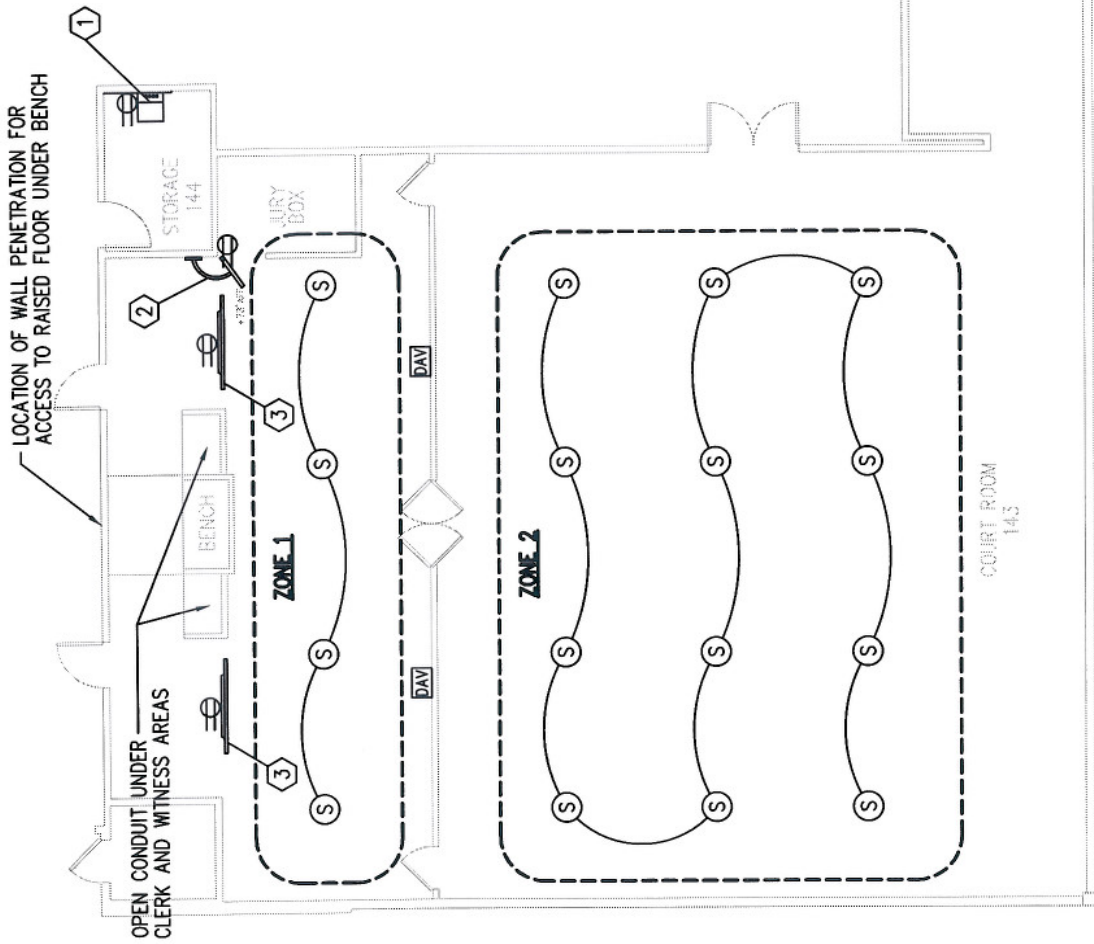
DIGITAL AUDIO VISUAL INTERFACE PLATE

LEGEND

- DAV DIGITAL AUDIO VISUAL INTERFACE PLATE
CONDUIT STUB UP TO CEILING FOR CABLING ACCESS
- S CEILING MOUNTED SPEAKER
- ⊖ DUAL RECEPTACLE 120VAC 20A COORDINATE WITH ELECTRICAL CONTRACTOR TO DETERMINE LOCATION

GENERAL NOTES

- 1. ALL CABLE INSTALLED WILL BE PLENUM RATED



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PROJECT
**FORT BEND COUNTY
JUSTICE OF THE PEACE COURT #1**
EUGENE HEIMANN CIRCLE SUITE 100
RICHMOND TX 77469



BY	MT
REV	JA
DATE	05.16.12
QUOTE #	

SHEET ID
AV2.01