tate of California.Department of General Services
IVISION OF THE STATE ARCHITECT
515 Clay Street, Suite 1201.Oakland, California 94612
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Addendum, Chang Drawing, Deferred Worksheet and Tra

X New

File # 7-C1 Appl. # 01-112357

Job
Access Control System upgrade at CCCCD

Change Order Number	Addendum Number	Deferred Submittal	Clarifications	Preliminary Change Order	Other
	#2				

List of Material Received:

A. Master Copy
(3) Sets of Originals

B. Copies
1

C. Tracing(s) each | of Sheets(s) Numbers(s)

D. Prints(s) each | of Sheets(s) Numbers(s)

E.

F.

List of Material Approved:

1-27-12 HC

List of Material

To: ☐ Architect ☐ Structural Engineer

Name:

Address:

☐ Sent
☒ Handed
☐ Faxed

Item

Copies

To	From
Co.	No. of Pages
Fax No.	Phone No.

Remaining Require-ments:

☒ None

☐ Corrections Required ☐ Change Order Required

If Corrections are required, please submit the following:
1) Intact marked up check set.
2) This transmittal memo.
3) Two corrected copies of submittal.
4) Calculations and other back-up information.
5) Drawings bearing preliminary approval stamps to avoid re-review whenever possible.

JAN 3[illegible] 2012

Remarks:

Notes for Clerical Use Only:

☐ Please make file copy of: _____ ☐ Other: _____

☐ Extend Pland and specs approval to cover:

☐ Revised Plans and Specs.

☐ Additional: Plans and Specs. Scope increase: _____ Type of Approval: _____

	AC	FLS	SSS
Checked by	☐ Not Required	☒ Not Required	☒ Not Required
Approved by			
Date	JAN 27, 2012		

Form No. SSS 143-1

ADDENDUM #2

PROJECT MANUAL INCLUDING SPECIFICATIONS FOR

Contra Costa College

CONTRA COSTA COMMUNITY COLLEGE DISTRICT

DSA FILE #7-C1 DSA APPL. #01-112357

CCCCD PROJECT #C-523

TEECOM PROJECT #09169

January 27, 2012

APPROVED
DIV OF THE STATE ARCHITECT
ACS FLS SSS
APPL NO. 01-112357 DATE 1-27-2012

Arnel P. Avila E.18352

DIVISION OF THE STATE ARCHITECT STAMP

Contra Costa Community College District

Bid Document Cover Sheet

Contract Documents

For

Access Control System Upgrade

At

Contra Costa College

Contra Costa Community College District

Consist of the following:

ADDENDUM # 2

DSA File #7-C1, DSA Application # 01-112357

CCCCD Project number C-523

TEECOM Project #09169

January 27, 2012

Contra Costa Community College District

CONTRA COSTA COMMUNITY COLLEGE

500 Court St, Martinez, CA 94553

Contra Costa College
C-523 Access Control System Upgrade

ADDENDUM #2

Date: January 27, 2012

NOTICE TO ALL CONTRACTORS SUBMITTING BIDS FOR THIS WORK AND TO ALL PLANHOLDERS:
You are hereby notified of the following changes, clarifications and/or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and/or previous Addenda. This Addendum shall supersede the original Contract Documents and previous Addenda wherein it contradicts the same, and shall take precedence over anything to the contrary therein. All other conditions remain unchanged.

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents dated ***October 30, 2011***. Acknowledge receipt of this Addendum in space provided on the Bid Proposal Form. Failure to acknowledge may subject Bidder to disqualification.

A. Specifications:

Item:

1. Specification Section 13710, 1.2 System Description, after paragraph I.7.
   a. **ADD:**
   J. Addendum #2 - Access Control & Alarm Monitoring System (DVC)
      1. Survey the access control system functionality of existing card reader doors and document the status prior to performing control panel demo work. Confirm and document the state of existing security equipment prior to control panel replacement and provide a list of non-functioning locations to the Owner.
      2. Demo existing ACAMS controller and provide new ACAMS controllers/power supplies that match the campus standard. Utilize existing wireless card readers and security cabling.

3. Utilize host server connected to the Owner's local/wide area network.
4. Provide ACAMS control panels as indicated on project drawings for the ATC building at Diablo Valley College. Panels support up to 16 card readers with locking control outputs and multiple general purpose input/output modules for automation.
5. Utilize existing cabling to devices such as wireless modules and power supplies.
6. Provide battery backup for ACAMS control panels and new power supplies.

B. Drawings:

Sheet Number	Description
AD2 - SY0.01	Symbols List and Drawing Index
AD2 - SY0.13	Block Diagram - ACAMS - DVC
AD2 - SY2.27	Floor Plan - DVC
AD2 - SY4.02	DVC Security Panel Elevation

C. Attachments:

Drawings:
AD2 - SY0.01
AD2 - SY0.13
AD2 - SY2.27
AD2 - SY4.02

Questions or Clarifications regarding this Addendum No. 2 shall be in writing addressed to:

Jovan Esprit – Contracts Manager
Contra Costa Community College District
500 Court St, Martinez, CA 94553

Email: jesprit@4cd.edu.

Any bid received after the scheduled closing time for receipt of bids shall be returned to the bidder unopened. It is each bidder's sole responsibility to ensure its bid is timely delivered and received at the location designated as specified above.

END OF ADDENDUM #2

SECTION 13710

ACCESS CONTROL & ALARM MONITORING SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

A. General: Furnish engineering, labor, materials, apparatus, tools, equipment, transportation, temporary construction and special or occasional services as required to make a complete working Access Control & Alarm Monitoring system installation, as described in these specifications.

B. Section Includes:

1. ACAMS control panels, input/output modules, and card readers
2. ACAMS wireless card reader interface modules
3. ACAMS power supplies

C. Products Installed But Not Supplied Under This Section:

1. Electric feed-through power transfer hinges
2. Electrified locking hardware cable and termination to transfer hinge and security system
3. Wireless card readers with integrated electronically controlled locking hardware

D. Products Furnished and Installed Under another Section:

1. Conduit, junction boxes
2. 120 VAC Power
3. Network connectivity for ACAMS devices via Owner's local/wide area network

E. Alternates:

1. ALT-13710-01: Men's Locker Room
   a. Submit price to provide an ACAMS for the Men's Locker Room, as indicated on the drawings
   b. Provide programming, commissioning, and training for the ACAMS
   c. Furnish engineering, labor, material, apparatus, tools, and equipment required to provide a fully functioning ACAMS.
2. ALT-13710-02: Women's Locker Room
   a. Submit price to provide an ACAMS for the Women's Locker Room, as indicated on the drawings
   b. Provide programming, commissioning, and training for the ACAMS
   c. Furnish engineering, labor, material, apparatus, tools, and equipment required to provide a fully functioning ACAMS.

3. ALT-13710-03: District-wide Access Control System Server

    a. Submit price to provide an ACAMS host server with associated software to support the control panels indicated on the drawings. Locate ACAMS host server at the District Office.

    b. Provide setup, programming, commissioning, and training for the ACAMS server. This shall include the migration of the existing access control database into the new ACAMS server, allowing the system to continue to function.

    c. Furnish engineering, labor, material, apparatus, tools, and equipment required to provide a fully functioning ACAMS host server.

4. ALT-13710-04: ACAMS Security Workstation

    a. Submit price to provide an ACAMS security workstation with associated software to support the ACAMS as indicated on the drawings. Locate ACAMS security workstation in the CCC security office.

    b. Provide setup, programming, commissioning, and training for the ACAMS security workstation

    c. Furnish engineering, labor, material, apparatus, tools, and equipment required to provide a fully functioning ACAMS security workstation.

5. ALT-13710-05: Computer Technology Center, Automotive Technology, and Liberal Arts Building

    a. Submit price to provide wireless card readers for the additional doors, as indicated on the drawings

    b. Provide programming, commissioning, and training for the ACAMS

    c. Furnish engineering, labor, material, apparatus, tools, and equipment required to provide a fully functioning ACAMS.

F. Related Sections:

1. Consult other Divisions, determine the extent and character of related work and properly coordinate work specified herein with that specified elsewhere to produce a complete and operable system.

2. Section 08710 – Door Hardware: for wireless card reader with integrated locking hardware product requirements.

3. Section 13700 – Basic Security Requirements: for submittal formats, warranty, general product requirements, and installation requirements.

4. Section 13770 – Security System Cabling: for cable requirements related to the ACAMS.

5. Section 13780 – Security System Labeling: for device labeling requirements.

6. Section 13790 – Security System Acceptance Testing: for testing requirements.

1.2 SYSTEM DESCRIPTION

A. Overview

1. The ACAMS is a distributed network of control panels connected to and programmed from a host server and client workstation.

2. The ACAMS is utilized for electronically controlling after hours access to student, visitor, delivery personnel, and employee entrances to the buildings.

3. The ACAMS consists of a Software House C-Cure 9000 Server located in the District Office, control panels, card readers, battery powered wireless card readers with integrated locking hardware, and wireless interface modules. The host server communicates with the field panels via the Owner's local/wide area network.

B. Base Bid - Access Control & Alarm Monitoring System

1. Provide a complete and functional ACAMS for the following buildings:
   a. Art
   b. Early Learning Center
   c. Physical Science
   d. John and Jean Knox Center for Performing Arts
   e. Gym Annex
   f. Gym
2. Remove existing ACAMS controller and replace with new ACAMS controllers/power supplies that match campus standard on the following buildings. Utilize existing hardwired and wireless card readers, request-to-exit sensors, and security cabling. Confirm and document state of existing security equipment prior to control panel replacement.
   a. Administrative and Applied Arts
   b. Biological Science
   c. Liberal Arts
   d. Student Services Center
   e. Library and Learning Center
   f. Automotive Technology
   g. Computer Technology Center
   h. Health Science Building
3. Utilize host server included in ALT-13710-03 connected to the Owner's local/wide area network.
4. Provide ACAMS control panels as indicated on project drawings. Panels support up to 16 card readers with locking control outputs and multiple general purpose input/output modules for automation.
5. Provide proximity wireless card readers with integrated locking hardware. Wireless readers are battery powered.
6. Provide wireless interface modules as shown on the project drawings. Field determine the quantity and exact locations of the wireless interface modules for full coverage of wireless card readers.
7. Provide wireless survey kit to verify wireless interface module placements.
8. Provide hardwired card readers and interface to local lock power supplies as shown on the project drawings.
9. Provide alarm contacts on hardwired card reader doors.
10. Provide request-to-exit motion sensor on hardwired card reader doors.

11. Provide interface to hardwired card reader door lock power supplies.
12. Provide battery backup of system headend components and power supplies.
13. Provide control panel outputs to local lock power supplies used on hardwired locking hardware.
14. Provide 500 proximity cards that match the existing district card format.

C. ALT-13710-01: Men's Locker Room

1. Provide a complete and functional ACAMS for the Men's Locker Room.
2. Provide control panels, wireless and hardwired card readers, interface modules, alarm contacts, request-to-exit sensors, power supplies, lock interfaces, and associated programming.

D. ALT-13710-02: Women's Locker Room

1. Provide a complete and functional ACAMS for the Women's Locker Room.
2. Provide control panels, wireless and hardwired card readers, interface modules, alarm contacts, request-to-exit sensors, power supplies, lock interfaces, and associated programming.

E. ALT-13710-03: District-wide Access Control System Server

1. Provide a rack-mounted ACAMS host server with associated software to support the control panels indicated on the drawings.
2. Locate ACAMS host server at the District Office. Coordinate exact location and connection to district-wide network with the District's IT Department.
3. Coordinate network connectivity with the District's IT Department to communicate with ACAMS control panels located at CCC.
4. Include the migration of the existing access control database into the new ACAMS server, allowing the system to continue to function.

F. ALT-13710-04: ACAMS Security Workstation

1. Provide an ACAMS security workstation with associated software to support the ACAMS as indicated on the drawings.
2. Locate ACAMS security workstation in the CCC security office. Coordinate exact location with CCC Police Services and CCC IT Department.
3. Coordinate network connection with CCC IT Department.

G. ALT-13710-05: Computer Technology Center, Automotive Technology, and Liberal Arts Building

1. Provide wireless card readers and associated programming for doors identified on drawings.

H. Tamper Monitoring

1. Provide additional monitor input points for monitoring the following:
   a. Tamper switches located within each security controller/equipment enclosure and wireway (use unsupervised inputs for this purpose).
   b. Supervision of power supplies and batteries (use unsupervised inputs for this purpose).
   c. Tamper switches located within each door junction box.

I. Addendum #1 - Access Control & Alarm Monitoring System (District Office)

1. Survey the access control system functionality of existing card reader doors and document the status prior to performing control panel demo work. Confirm and document the state of existing security equipment prior to control panel replacement and provide a list of non-functioning locations to the Owner.
2. Demo existing ACAMS controller and provide new ACAMS controllers/power supplies that match the campus standard. Utilize existing hardwired and wireless card readers, request-to-exit sensors, and security cabling.
3. Utilize host server connected to the Owner's local/wide area network.
4. Provide ACAMS control panels as indicated on project drawings for the District Office Building. Panels support up to 16 card readers with locking control outputs and multiple general purpose input/output modules for automation.
5. Utilize existing cabling to devices such as wireless modules, door contacts, and lock power supplies.
6. Provide battery backup for ACAMS control panels and new power supplies.
7. Provide control panel outputs to lock power supplies used on existing hardwired locking hardware.

J. Addendum #2 - Access Control & Alarm Monitoring System (DVC)

1. Survey the access control system functionality of existing card reader doors and document the status prior to performing control panel demo work. Confirm and document the state of existing security equipment prior to control panel replacement and provide a list of non-functioning locations to the Owner.
2. Demo existing ACAMS controller and provide new ACAMS controllers/power supplies that match the campus standard. Utilize existing wireless card readers and security cabling.
3. Utilize host server connected to the Owner's local/wide area network.
4. Provide ACAMS control panels as indicated on project drawings for the ATC building at Diablo Valley College. Panels support up to 16 card readers with locking control outputs and multiple general purpose input/output modules for automation.
5. Utilize existing cabling to devices such as wireless modules and power supplies.
6. Provide battery backup for ACAMS control panels and new power supplies.

1.3 SUBMITTALS

A. Contractor Qualifications: Submit certification letters for the manufacturer of the ACAMS.

B. Product Data: Submit product information for components specified herein.

C. Shop Drawings:

1. Device placement on floor plans
2. Point-to-Point Diagrams: Include wiring, points of connection and interconnecting devices between the following:
   a. ACAMS control panel
   b. ACAMS card reader and input/output modules

c. ACAMS power supplies

d. Wireless Card Reader interface modules

e. Interface to electrified door hardware

f. Cable conductors (identify conductors on the point-to-point diagrams with the same tag as the installed conductor)

3. Schedules: Provide schedules for ACAMS control panels that show each point ID with a description of the connected devices.

4. Block Diagram/Riser Diagram: Show the ACAMS components, conduit, wire types, and sizes between them, including cabling interties between termination hardware.

5. Custom mounting details

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Access Control & Alarm Monitoring System

1. Software House (to match campus standard)

2.2 ACAMS CONTROLLERS

A. General

1. An intelligent controller with integrated battery backup, database, and communication ports that supports up to 16 card readers.

2. Supports multiple communication channels to which a variety of devices can connect.

3. Supports hardware modules used for additional memory and/or for future feature enhancements.

4. Functions provided include:

a. Central control for attached devices and addressable modules

b. Makes decisions for access

c. Responds to monitor activity

d. Receives input to control its decision making

e. Reports activity to other devices

B. Features

1. Supports HID proximity, MIFARE, and DESFire card reader formats

2. Supports flash upgrades for firmware updates

3. Utilizes an onboard Ethernet NIC

4. Global input/output and anti-passback functionality

5. Capable of utilizing keypad commands to activate/deactivate events

C. Supports RS-485 connectivity to addressable modules:

1. Input Module: Supports 8 Class A supervised input points

2. Output Module: Supports 8 Form C dry contact relays

D. Manufacturer

1. Software House iSTAR PRO 64MB control panel.

E. Accessories

1. Software House #I8; Input Module
2. Software House #R8; Output Module
3. Schlage PI400-485; Panel Interface Module

2.3 CARD READERS (HARD-WIRED)

A. General

1. Presenting an access card to the reader initiates a single transmission to the ACAMS controller.
2. Rugged, weatherized polycarbonate enclosure, designed to withstand an operating temperatures of -22 to 120 degrees Fahrenheit (-30 to 65 degrees Celsius) and operating humidity of 5-95% non-condensing.
3. Utilizes a Wiegand protocol for communication for compatibility with standard access control systems.
4. Utilizes a multi-color LED and an audible sounder to indicate the status of the door.
5. Utilizes an internal tamper switch that will indicate an alarm condition if an unauthorized attempt is made to disassemble the unit.

B. Manufacturer

1. HID # multiCLASS series
   a. Wall mount: HID # RP40 multi-technology card reader
   b. Mullion style: HID # RP15 multi-technology card reader
2. Schlage Multi-Technology Readers
   a. Wall mount: Schlage # SXF1500 multi-technology card reader
   b. Mullion style: #SXF1100 multi-technology card reader
3. Or Equal

2.4 ACCESS CARDS

A. General

1. Utilizes a graphics quality surface that supports direct-to-card printing.
2. Capable of being produced with holograms, ultra-violet fluorescent inks, or other anti-counterfeiting features.

B. Manufacturer

1. HID # 1386 ISOProx II proximity card, Corporate 1000 Program; verify card format with College in writing prior to ordering.

2.5 WIREWAYS

A. General:

1. Provide screw cover wireway sections with open top assembly as shown on Security drawings.

2. Provide closure plates to secure end of wireway sections.

B. Screw Cover Gutter Wireways

1. Type: NEMA type 1 enclosure
2. Size: 4" x 4" x 48" minimum
3. Finish: ANSI 61 gray polyester powder paint finish inside and out
4. Manufacturer:
   a. Copper B-Line # 4448-G-NK lay-in painted wireway without knockouts
   b. Hoffman # F44T148GVP lay-in painted wireway without knockouts
   c. Or Equal
5. Accessories:
   a. Cooper B-Line # 44-E-NK closure plate without knockouts
   b. Hoffman # A44GCPNK closure plate without knockouts
   c. Or Equal

2.6 ACAMS POWER SUPPLIES

A. General

1. Provides a 120VAC to 12 and 24VDC output, fully supervised power supply to power ACAMS field devices.
2. Utilizes 16 PTC Class 2 rated power limited outputs.
3. Short circuit and thermal overload protection.
4. Integrated charger for sealed lead acid or gel type batteries.
5. Capable of providing a 10 amp supply current.
6. Supports a fire alarm disconnect to relay that individually selects any or all of the 16 outputs.

B. Manufacturer

1. Altronix # AL600ULXPD16 power supply
2. Or Equal

2.7 BATTERIES

A. General:

1. Voltage: 12.00
2. Amps: 12.00
3. Chemistry: SLA or VRLA valve regulated
4. Termination: Spade protected terminals

B. Manufacturer:

1. Yuasa #RE12-12 sealed lead acid 12V 12Ah battery
2. Interstate Batteries #SLA1105 sealed lead acid 12V 12Ah battery
3. Or Equal

2.8 ACAMS SERVER & COMPONENTS - ALT-13710-03

A. ACAMS Server

1. Document the cost of this hardware at time of bid due to price reductions and advancements in technology. Prior to placement of order, provide upgrades to the most current model as requested by the Owner up to the cost of the specified system.
2. Provide complete prepackaged unit containing:
    a. Processor: Dual-core Intel Xeon 5130, 4MB Cache
    b. Memory: 4GB 533MHz (4x1GB), Dual Ranked DIMMs
    c. Hard Drive: Minimum of four 73 GB, SAS 15K RPM hard drives
    d. OS: Windows Server 2003 Standard Edition or latest version compatible with the ACAMS software
    e. 48x IDE CD-RW/DVD ROM drive
    f. Network Adapter: Dual embedded gigabit Ethernet NIC
    g. Chassis Configuration: Rack chassis with sliding rails and cable management arm
3. Manufacturer
    a. Dell # PowerEdge R710 series server
    b. Or Approved Equal
4. ACAMS Software
    a. Include software licenses:
        1) Card reader licenses to support a minimum of 128 card reader capacity
        2) Client software licenses to support 40 concurrent users
        3) Includes 2 ID Badging software clients
        4) IDS integration
5. Manufacturer
    a. Software House C-Cure 9000 bundled system #CC9000B/P-R

B. KVM Console with Integrated LCD Monitor, Keyboard, Mouse

1. Features
    a. 17" LCD monitor, 1280 x 1024 resolution minimum
    b. Trackball or touchpad mouse
    c. Rack mount chassis in a 1U sliding tray
2. Provide cables required for connection to ACAMS and other rack mountable security devices.
3. Manufacturer
    a. Rose Electronics #RV1-CKVT17/U
    b. Or Approved Equal

C. Uninterrupted Power Supply

1. General

a. Suitable for installation within an telecommunications room and for a 19" rack mounted installation

b. Voltage compatibility: 120VAC

c. Sized to support a rack of head-end security equipment located in the DVR Room

d. Refer to Specification Section 28 23 00 Video Surveillance System for specific UPS requirements

2.9 ACAMS SECURITY WORKSTATION & COMPONENTS - ALT-13710-04

A. ACAMS Security Workstation

1. Document the cost of this hardware at time of bid due to price reductions and advancements in technology. Prior to placement of order, provide upgrades to the most current model as requested by the Owner up to the cost of the specified product.

2. Provide complete prepackaged unit containing:

   a. Processor: Intel Core i7 Quad Core 870 2.93GHz, 8M L3Cache

   b. Memory: 4GB, 1333MHz FSB, DDR3 SDRAM, Non-ECC (2 DIMMS)

   c. Video Card: Dual 512MB, dual monitor compatible for support for up to 4 monitors

   d. Monitors: Two 22" widescreen monitors, 1920x1080 resolution, with digital video inputs

   e. Hard Drive: 250GB SATA, 7200 RPM and 8MB DataBurst Cache

   f. OS: Microsoft Windows 7 Professional, or latest OS supported by manufacturer

   g. Optical Drive: 16xDVD-RW

   h. Network Adapter: Gigabit Ethernet NIC

3. Manufacturer

   a. Dell # OptiPlex 980 series workstation

      1) Dell # USB Multimedia Pro keyboard

      2) Dell # USB optical mouse

   b. Or Approved Equal

B. ACAMS Software

1. Include software licenses: Badging software license

2. Manufacturer

   a. Software House # C-Cure 9000 client software

C. UPS:

1. Provide one UPS for each workstation furnished.

2. APC or equal by BEST for backup of one CPU and two monitors. Connect UPS alarm condition output relay to security system. Provide smart software interface with UPS and operating system to facilitate automatic shut-down. Provide a separate UPS for each required workstation.

PART 3 - EXECUTION

3.1 INSTALLATION

A. ACAMS Server - ALT-13710-03

1. Rack mount server in existing District Office equipment rack, located in downtown Martinez, CA. Coordinate exact room and rack location with District's IT Department.
2. Provide extension cords, and line extenders if required, for keyboards, monitors, mice, etc. to connect to rack-mounted console.
3. Install MS Windows Server, SQL database, and necessary client access licenses.
4. Install ACAMS software and setup communication with control panels and workstations.

B. ACAMS Control Panels

1. Place power supply and associated hardware in same location.
2. Power ACAMS Control panels from power supply.
3. Install supervisory and end-of–line (EOL) resistors as required. Refer to Section 13700 – Basic Security Requirements for EOL supervision requirements.
4. Utilize existing 120VAC power at each location when replacing an existing unit. Replace plug-in type cable and receptacle with a hard-wired power connection as indicated on the drawings.
5. Coordinate network connectivity with Owner's IT department prior to installation.
6. Notify the Owner if the control panel interfaces existing devices that do not properly function.

C. Wireless Interface Module

1. Field determine best location for wireless card reader interface module. Locate module above accessible ceiling, whenever possible to avoid damage to units.
2. Connect wireless interface module to ACAMS panel using the RS-485 data bus.

D. Remote Reader Modules

1. Locate remote reader module in accessible ceiling space unless otherwise noted on the project drawings.
2. Power remove reader modules from power supply located at centralized security hub.

E. Card Readers

1. Wire the card reader's multi-color LED to indicate the following status of the door.
   a. Red status indicates the door is secure (locked).
   b. Green status indicates the door is unsecured (unlocked).
   c. Yellow status indicates the card reader is not functioning (off-line/trouble), is processing a read request, or has denied access.
2. The card reader to produce an audible beep tone to indicate to the user:
   a. The card was read and/or access was denied.
   b. Door is being held open and needs to be closed.

F. Door Hardware

1. Setup and conduct a door hardware coordination meeting.

2. Coordinate the installation and termination of the security cable with the installation of the hardwired electric door hardware and transfer hinge.

3. Coordinate connection between wireless interface module and card readers with integrated locking hardware with door hardware installer. Program wireless card readers into the ACAMS.

3.2 PROGRAMMING

A. Prior to the completion of construction, schedule a meeting with the Owner to determine the programming criteria. Discuss the following:

1. Access card levels and door groupings
2. Alarm priority levels
3. Schedules and time codes
4. Holidays and holiday types (priorities)
5. Action/responses from individual input points
6. Standard and custom (expanded) reports
7. Defining alarm messages and standard response messages applicable to site
8. Routing of alarm points to selected pagers
9. Routing of alarm points to operator's workstations, printers, and history files
10. Coordinate implementation of graphics with Owner. Develop sample graphic complete with icons and text. Alarms to appear on building floor plans depicting the nature and location of alarms. Review and revise graphic layout as required by Owner.
11. System data base backup to CD-ROM

B. Document the results of the meeting and perform necessary programming to achieve the Owner's requests. Include assisting the College with setting up authorized users and groups for each building within the project scope.

C. System Operation, Alarm and Reporting Function: Program door control panel tamper switches to immediately reported as a separate "tamper" point to the system resulting in an alarm condition displayed in both text and graphic form on the applicable workstation(s) and an alarm message transmitted to the appropriate pager(s).

D. Receive CAD drawing files of floor plans and perform the following relative to system graphics:

1. Delete non-applicable drawing layers and details to arrive at simple floor plans of the building as built.
2. Convert drawings to a graphic file format compatible with the Owner's access control and alarm monitoring system.
3. Load drawing files into the system.
4. Apply new and predefined icons and other points on each graphic to indicate point and control status.
5. Link graphic images to reader, monitor and control points.

E. Program routing of monitor and control points. Route activations and restore messages to one or more of the following locations as directed by the Owner's Representative:

1. One or more system workstations;

2. One or more system printers;
3. One or more alphanumeric pagers;
4. History files in addition to the above;
5. History files only.

F. Program the system such that reliance on a remote host for routine building operations, such as scheduled door commands and conditional events, are minimized to the greatest extent possible and decisions are made at the local building controller.

G. Program the system in a manner that minimizes the amount of time required for the users to make updates and maintain the system on a daily basis especially updates that impact card holder record updates. Nested programs, such as reader groupings used in access codes shall be used to the greatest extent possible such that single actions are required to update an entire card data population. If there is a question regarding the appropriate approach to programming, given the flexibility of most systems, contact the Engineer prior to any initial programming

H. Complete other programming as required for system operation.

I. Program and setup the system such that no additional programming other than entering new access cards is required. Include setup of available features of the software.

J. Use the point names provided on the system point schedule.

K. Perform 2 full system back-ups at completion of initial programming and deliver one copy to owner with letter of Transmittal explaining information included in back-up and brief description of recovery procedures. Label the second CD-ROM and store onsite. Perform back-ups on a regular bases through the remainder of the project.

L. Customize menus with the assistance of the factory to "gray-out" features not used on project (such as elevator control).

M. Coordinate physical or VPN access to the existing access control server located a the District Office with the College for programming and support.

N. Perform field software changes after the initial programming session to "fine tune" operating parameters and sequence of operations based on revised operating requirements.

3.3 TESTING

A. Commission ACAMS in accordance with Section 13790.

END OF SECTION 13710

SECURITY TITLE SHEET

CONVENTIONS

NOT ALL SYMBOLS MAY BE USED

- E-1 — ELECTRICAL SHEET NOTE
- G-1 — GENERAL CONTRACTOR SHEET NOTE
- M-1 — MECHANICAL CONTRACTOR SHEET NOTE
- S-1 — SECURITY SHEET NOTE
- T-1 — TELCOM SHEET NOTE
- W-1 — OWNER SHEET NOTE
- (1) — CONDUIT IDENTIFICATION TAG.
- [1] — NUMBERED SHEET NOTE (APPLIES TO DRAWING CONTAINING NOTES ONLY).
- (1) — EQUIPMENT IDENTIFICATION TAG.
- ⟨1⟩ — NUMBERED SHEET NOTE (APPLIES TO ALL DRAWINGS).
- D01 — DOOR NUMBER
- C01 — SIGNAL CONDUIT BANK TAG. REFER TO SCHEDULE.
- (1) — PHOTO REFERENCE, SEE PHOTO SECTION OF SPECIFICATIONS FOR PHOTOS.
- 1 / SY1.1 — DETAIL REFERENCE
  - SHEET NUMBER (SY=SECURITY)
  - DETAIL DESIGNATION
- 1 / SY1.1 — ELEVATION REFERENCE
  - SHEET NUMBER (SY=SECURITY)
  - DETAIL DESIGNATION
- CR001 — SECURITY DEVICE ID REFERENCE
  - DEVICE NUMBER
  - DEVICE TYPE
    - CR = CARD READER
    - A = ALARM INPUT
    - R = RELAY OUTPUT
    - IC = INTERCOM STATION
    - K = CCTV CAMERA

PATHWAYS

NOT ALL SYMBOLS MAY BE USED

- UNDERGROUND TELECOMMUNICATION CONDUIT DUCT BANK.
- CONDUIT RUN EXPOSED ON WALL OR CEILING.
- CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND.
- CONDUIT RUN CONCEALED IN WALL OR CEILING.
- CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET.
- FLEXIBLE METALLIC CONDUIT.
- CONDUIT TURNED UP.
- CONDUIT TURNED DOWN.
- MULTI-OUTLET SURFACE RACEWAY; TYPE, OUTLET SPACING AND MOUNTING AS INDICATED BY NUMBERED NOTE.
- "LADDER STYLE" CABLE TRAY SUSPENDED FROM STRUCTURE ABOVE, UON.
- CABLE RUNWAY (LADDER-RACK) SUSPENDED FROM STRUCTURE ABOVE, UON.
- CABLE TRAY WITH SOLID BOTTOM AND SOLID TOP, SUSPENDED FROM STRUCTURE ABOVE, UON.
- "BASKET STYLE" CABLE TRAY, SUSPENDED FROM STRUCTURE ABOVE, UON.
- J — J — MAIN J-HANGER CABLE ROUTING PATHWAY.
- CONDUIT STUB THROUGH WALL OR FLOOR, NUMBERS INDICATE SIZE AND QUANTITY.
- "EZ-PATH" TYPE FIRESTOP ASSEMBLY, NUMBERS INDICATE SIZE AND QUANTITY.

POWER & LIGHTING

NOT ALL SYMBOLS MAY BE USED

- ELECTRICAL PANELBOARD, SURFACE MOUNTED.
- ELECTRICAL PANELBOARD, FLUSH MOUNTED.
- DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON., CONNECTED TO EMERGENCY POWER SYSTEM.
- DOUBLE DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON., CONNECTED TO NORMAL POWER SYSTEM.
- DOUBLE DUPLEX CONVENIENCE OUTLET, WALL MOUNTED, +18" UON., CONNECTED TO EMERGENCY POWER SYSTEM.
- SPECIALY OUTLET, WALL MOUNTED, +18" UON. TYPE AS SPECIFIED BY NUMBERED NOTE.
- DUPLEX CONVENIENCE OUTLET, FLOOR MONUMENT.
- FOURPLEX CONVENIENCE OUTLET, FLOOR MONUMENT.
- FLOOR MOUNTED FOURPLEX POWER RECEPTACLE.
- FLOOR MOUNTED DUPLEX POWER RECEPTACLE.
- FURNITURE POWER OR RACEWAY FEED POINT, WALL MOUNTED +18" AFF.
- FURNITURE POWER FEED POINT, FLUSH MOUNTED FLOOR BOX.
- FURNITURE POWER FEED FLOOR MONUMENT.
- FLOOR MOUNTED JUNCTION BOX.
- JUNCTION BOX, MOUNTED ABOVE ACCESSIBLE CEILING.
- WALL MOUNTED JUNCTION BOX, +18" AFF UON.
- S — SINGLE POLE TOGGLE SWITCH, WALL MOUNTED, +42" UON.
- GND — TELECOMMUNICATIONS GROUNDING BUS, +84 AFF UON.
- POWER POLE WITH SEPARATE POWER AND COMMUNICATION FEEDS.
- FLUORESCENT STRIPLIGHT FIXTURE, SURFACE OR PENDANT MOUNTED.
- SHADING OF ANY FIXTURE INDICATES CONNECTION TO EMERGENCY SYSTEM.

SECURITY

NOT ALL SYMBOLS MAY BE USED

- KP(G,K,L,M,P,W) — CARD READER, MOUNTED +42" AFF UON.
  - G = GLASS MOUNT
  - K = WITH KEYPAD
  - L = LONG RANGE
  - M = MULLION MOUNT
  - P = PEDESTAL MOUNT
  - W = WIRELESS CARD READER
- ELX — ELECTRIC MORTISE LOCK WITH REX
- EL — ELECTRIC MORTISE LOCK
- ES — ELECTRIC STRIKE
- ED — ELECTRIC EXIT DEVICE
- EDX — ELECTRIC EXIT DEVICE WITH REX
- DO — DOOR OPERATOR
- TH(C) — TRANSFER HINGE
  - C = DOOR POSITION & FEED-THROUGH
  - E = ELECTRIC FEED-THROUGH
- RX — REX MOTION DETECTOR, WALL OR CEILING MOUNTED ABOVE DOOR
- PS — POWER SUPPLY
- C(BLANK,WG,W) — MAGNETIC DOOR CONTACT
  - (BLANK) = STANDARD
  - WG = WIDE GAP
  - W = WIRELESS
- SECURITY/CCTV EQUIPMENT CABINET
- SJB — SECURITY DOOR JUNCTION BOX WITH READER MODULE, UON
- LIFE SAFETY SYSTEM INTERFACE RELAY
- WIRELESS PANEL INTERFACE MODULE

GENERAL NOTES

APPLIES TO ALL SHEETS

1. REFER TO WRITTEN SPECIFICATIONS FOR PROJECT SCOPE, GENERAL REQUIREMENTS, PRODUCT SPECS, AND INSTALLATION REQUIREMENTS.
2. DRAWINGS INDICATE APPROXIMATE LOCATIONS OF CEILING MOUNTED DEVICES. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND COORDINATE EXACT LOCATIONS WITH LIGHT FIXTURES AND OTHER DEVICES.
3. MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE. MOUNTING HEIGHTS SHALL BE AS SHOWN ON THE SYMBOLS LIST UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES AND BEAR THEIR LABEL, UON.
5. REPORT TO THE ENGINEER ANY OBSERVATIONS OF CONDITIONS WHICH ARE DISCOVERED IN THE BUILDING WHICH WOULD PREVENT THE CORRECT INSTALLATION OF THE DESIGNED SYSTEM.
6. CONDUIT ROUTING (WHERE SHOWN) IS ESSENTIALLY DIAGRAMMATIC.
7. SEAL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS TO MAINTAIN THE FIRE SEPARATION RATING.
8. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF WALL MOUNTED DEVICES. DRAWINGS INDICATE APPROXIMATE LOCATIONS ONLY.
9. PROVIDE NECESSARY EQUIPMENT AND/OR ACCESSORIES FOR A FULLY FUNCTIONAL SYSTEM THAT MEETS INTENDED DESIGN WHETHER EXPRESSLY SPECIFIED OR NOT.
10. PROVIDE REQUIRED CONDUIT, BACKBOXES, JUNCTION BOXES, AND SECURITY EQUIPMENT ENCLOSURES, WHETHER ON DRAWINGS OR NOT, UON.
11. MAINTAIN A COPY OF THE SPECIFICATIONS ACCOMPANYING DRAWINGS ON THE JOB SITE AT ALL TIMES FOR REFERENCE. BE ABLE TO PRESENT THE SPECIFICATIONS UPON REQUEST.
12. REFERENCE OTHER TRADE'S DRAWINGS AND SPECIFICATIONS (E.G., TELECOM) FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
13. PROVIDE PLASTIC BUSHINGS ON EXPOSED ENDS OF CONDUIT AND SLEEVES.
14. PROVIDE APPROPRIATE NYLON PULL ROPE IN CONDUITS.
15. PROVIDE CONDUIT PLUGS IN ALL OSP SECURITY CONDUITS ACCORDING TO THE CABLE USE AND USE BLANK PLUGS FOR UNUSED CONDUITS.
16. MOUNT EQUIPMENT OR DEVICES, SUCH AS RUNWAY, CONDUITS, J-HANGER, AND PULL BOXES ACCORDING TO STATE AND LOCAL CODES FOR SEISMIC BRACING.
17. LABEL SECURITY CABLES ACCORDING TO SPECIFICATIONS. PROVIDE LABELS AT BOTH ENDS. VERIFY FORMAT AND INFORMATION FIELDS WITH AND RECEIVE APPROVAL FROM OWNER PRIOR TO LABELING.
18. LABEL ALL SECURITY CONDUITS AT EACH END OF THE CONDUIT IDENTIFYING THE DESTINATION AND USE AS "SECURITY". REFER TO ELECTRICAL SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFORMATION.
19. REFER TO SECTION 087100 FOR EXIT DEVICE HARDWARE REQUIRING A LOCAL POWER SUPPLY. INTERCONNECT LOW VOLTAGE CABLES BETWEEN SYSTEM AND LOCKS.
20. SECURITY DOOR HARDWARE TO FAIL SECURE, UON.
21. EXIT DEVICE ELECTRIC HARDWARE TO HAVE MANUFACTURERS POWER SUPPLIES AND BACK-UP BATTERIES WHERE REQUIRED FOR NORMAL AND EMERGENCY OPERATION.
22. EGRESS HARDWARE SHALL BE OPERABLE AT ALL TIMES. SECURITY HARDWARE SHALL NOT PROHIBIT EGRESS.
23. INTERFACE SECURITY CONTROLLED DOOR HARDWARE WITH THE FIRE ALARM SYSTEM AS TO NOT IMPEDE EGRESS UNDER FIRE ALARM CONDITIONS
24. PROVIDE EXPANSION/DEFLECTION FITTING FOR CONDUITS CROSSING EXPANSION JOINTS.

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	ISSUE LOG: ADDENDUM 1	ADDENDUM 2
SY0.01	SYMBOLS LIST AND DRAWING INDEX	X	X
SY0.02	SCHEDULES - DOOR	X	-
SY0.11	BLOCK DIAGRAM - ACAMS - C-523	X	-
SY0.12	BLOCK DIAGRAM - ACAMS - DISTRICT OFFICE	-	X
SY0.13	BLOCK DIAGRAM - ACAMS - DVC	-	-
SY0.14	BLOCK DIAGRAM - ACAMS - LMC	-	-
SY1.01	SITE PLAN	X	-
SY1.02	LMC SITE PLAN	-	-
SY2.01	FLOOR PLAN - ART BUILDING	X	-
SY2.02	FLOOR PLAN - EARLY LEARNING CENTER	X	-
SY2.03	FLOOR PLAN - PHYSICAL SCIENCE BUILDING	X	-
SY2.04	FLOOR PLAN - PHYSICAL SCIENCE BUILDING	X	-
SY2.05	FLOOR PLAN - JOHN AND JEAN KNOX CENTER FOR PERFORMING ARTS	X	-
SY2.06	FLOOR PLAN - GYM ANNEX FIRST FLOOR	X	-
SY2.07	FLOOR PLAN - GYM ANNEX SECOND FLOOR	X	-
SY2.08	FLOOR PLAN - GYM	X	-
SY2.09	FLOOR PLAN - WOMEN'S AND MEN'S LOCKER ROOM	X	-
SY2.10	FLOOR PLAN LEVEL 1 - ADMINISTRATIVE AND APPLIED ARTS	X	-
SY2.11	FLOOR PLAN LEVEL 2 - ADMINISTRATIVE AND APPLIED ARTS	X	-
SY2.12	FLOOR PLAN - BIOLOGICAL SCIENCE	X	-
SY2.13	FLOOR PLAN GROUND LEVEL - LIBERAL ARTS	X	-
SY2.14	FLOOR PLAN LEVEL 1 - LIBERAL ARTS	X	-
SY2.15	FLOOR PLAN LEVEL 2 - LIBERAL ARTS	X	-
SY2.16	FLOOR PLAN - STUDENT SERVICES CENTER	X	-
SY2.17	FLOOR PLAN - LIBRARY AND LEARNING CENTER	X	-
SY2.18	FLOOR PLAN - AUTOMOTIVE TECHNOLOGY	X	-
SY2.19	FLOOR PLAN - COMPUTER TECHNOLOGY CENTER	X	-
SY2.20	FLOOR PLAN - HEALTH SCIENCE	X	-
SY2.21	FLOOR PLAN LEVEL 1 - DISTRICT OFFICE	-	X
SY2.22	FLOOR PLAN LEVEL 2 - DISTRICT OFFICE	-	X
SY2.23	FLOOR PLAN LEVEL 3 - DISTRICT OFFICE	-	X
SY2.24	FLOOR PLAN LEVEL 4 - DISTRICT OFFICE	-	X
SY2.25	FLOOR PLAN LEVEL 5 - DISTRICT OFFICE	-	X
SY2.26	FLOOR PLAN LEVEL 6 - DISTRICT OFFICE	-	X
SY2.27	FLOOR PLAN - DVC	-	-
SY2.28	FLOOR PLAN LEVEL 1 SECTION A - LMC LIBRARY	-	-
SY2.29	FLOOR PLAN LEVEL 1 SECTION B - LMC LIBRARY	-	-
SY2.30	FLOOR PLAN LEVEL 1 - LMC MATH	-	-
SY2.31	FLOOR PLAN LEVEL 2 - LMC MATH	-	-
SY2.32	FLOOR PLAN LEVEL 1 SECTION A - LMC SCIENCE	-	-
SY2.33	FLOOR PLAN LEVEL 1 SECTION B - LMC SCIENCE	-	-
SY2.34	FLOOR PLAN LEVEL 2 SECTION A - LMC SCIENCE	-	-
SY2.35	FLOOR PLAN LEVEL 2 SECTION B - LMC SCIENCE	-	-
SY4.01	DISTRICT OFFICE SECURITY PANEL ELEVATION	-	X
SY4.02	DVC SECURITY PANEL ELEVATION	-	-
SY4.03	LMC SECURITY PANEL ELEVATION	-	-
SY5.01	INSTALLATION DETAILS	X	-

ISSUE LOG KEY:
- ' X ' ISSUED AS PART OF A SET
- ' - ' NOT A PART OF ISSUED SET

DATE: 10/24/11; 01/27/12; 01/27/12

ABBREVIATIONS

NOT ALL ABBREV. MAY BE USED

A	AMPERES
ACAMS	ACCESS CONTROL AND ALARM MONITORING SYSTEM
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
BDF	BUILDING DISTRIBUTION FACILITY
C	CONDUIT
CAT3	CATEGORY 3 TWISTED PAIR UTP CABLE
CAT5E	CATEGORY 5E TWISTED PAIR UTP CABLE
CAT6	CATEGORY 6 TWISTED PAIR UTP CABLE
CATV	COMMUNITY ANTENNA TELEVISION
CEC	CCTV EQUIPMENT CABINET
DIV	DIVISION
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EMS	ELECTRIC MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
(F)	FUTURE
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FO	FIBER OPTIC
GC	GENERAL CONTRACTOR
IDF	INTERMEDIATE DISTRIBUTION FACILITY
IDS	INTRUSION DETECTION SYSTEM
JB	JUNCTION BOX
MDF	MAIN DISTRIBUTION FACILITY
MH	MAINTENANCE HOLE
MM	MULTIMODE FIBER OPTIC CABLE
MPOE	MINIMUM POINT OF ENTRY
MT	EMPTY
N	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OSP	OUTSIDE PLANT
(P)	PROTECTED SIDE OF DOOR
PB	PULL BOX
PNL	PANEL
PR	PAIR (OF COPPER CONDUCTORS)
PVC	POLYVINYL CHLORIDE
REX	REQUEST TO EXIT
SAD	SEE ARCHITECTURAL DRAWINGS
SEC	SECURITY EQUIPMENT CABINET
SM	SINGLEMODE OPTICAL FIBER
SCTP	SCREENED TWISTED PAIR
STR	STRAND(S) OF FIBER
STP	SHEILDED TWISTED PAIR
TBB	TELECOM BONDING BACKBONE
TBC	TELECOM BONDING CONDUCTOR
TGB	TELECOM GROUNDING BUSBAR
TMGB	TELECOM MAIN GROUNDING BUSBAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHEILDED TWISTED PAIR
V	VOLTS
WP	WEATHERPROOF
XFMR	TRANSFORMER

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GENERAL NOTES

CONTRA COSTA COMMUNITY COLLEGE
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AT CONTRA COSTA COLLEGE
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APPROVED
DIV OF THE STATE ARCHITECT
ACS: NTS — SSS
APPL NO. 21-112357 DATE: JAN 27 2012

REVISIONS

ADDENDUM 2	1/27/2012

SHEET TITLE
SYMBOLS LIST AND DRAWING INDEX

ISSUANCE
DSA SUBMITTAL

SCALE
NONE

DRAWN BY
AG

CHECKED BY
AA

PROJECT NO
09169

DATE
10.24.11

SHEET NUMBER
AD2-SY0.01

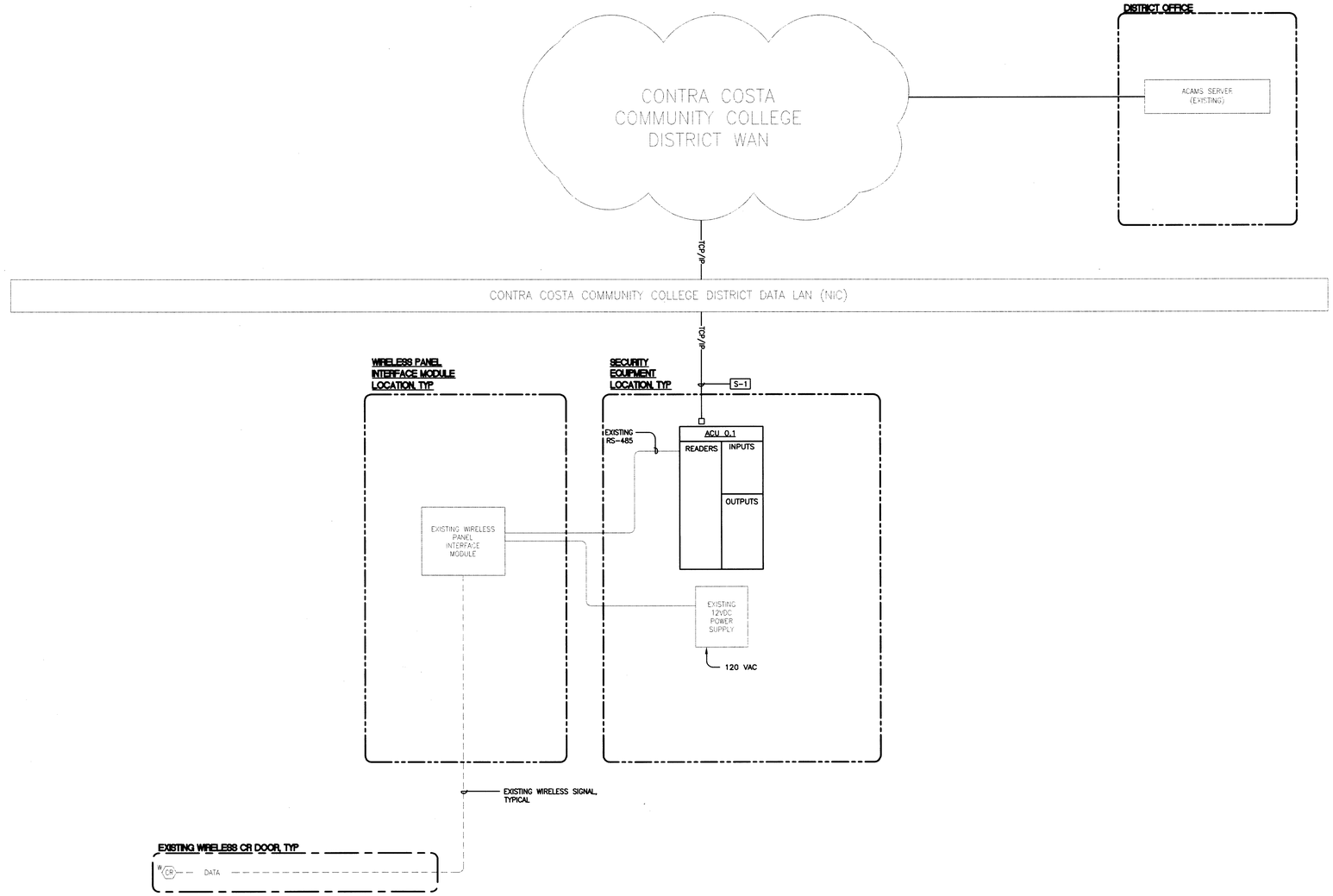
GENERAL SHEET NOTES

1. COORDINATE TCP/IP ADDRESS FOR ACAMS CONTROL PANEL AND SECURITY WORKSTATION WITH COLLEGE IT DEPARTMENT REPRESENTATIVE.
2. ACAMS BLOCK DIAGRAM IS DIAGRAMMATIC ONLY. PROVIDE ACU PANELS AND POWER SUPPLIES TO SUPPORT FILED DEVICES SHOWN ON FLOOR PLANS.
3. REFER TO FLOOR PLANS FOR LOCATION OF EXISTING CONTROL PANEL EQUIPMENT.

NUMBERED SHEET NOTES

SECURITY:

S-1 PROVIDE DATA CABLE TO EXISTING NETWORK EQUIPMENT. COORDINATE TERMINATION AND PORT REQUIREMENTS WITH COLLEGE IT DEPARTMENT.



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APPROVED
DIV OF THE STATE ARCHITECT
ACS W FLS SSS
APPL NO. 02-112357 DATE JAN 27 2012

REVISIONS

2	ADDENDUM 2	1/27/2012

SHEET TITLE
BLOCK DIAGRAM - ACAMS - DVC

ISSUANCE
DSA SUBMITTAL

SCALE
NONE

DRAWN BY
AG

CHECKED BY
AA

PROJECT NO
09169

DATE
10.24.11

SHEET NUMBER
AD2-SY0.13
2

CARD READER LOCATIONS

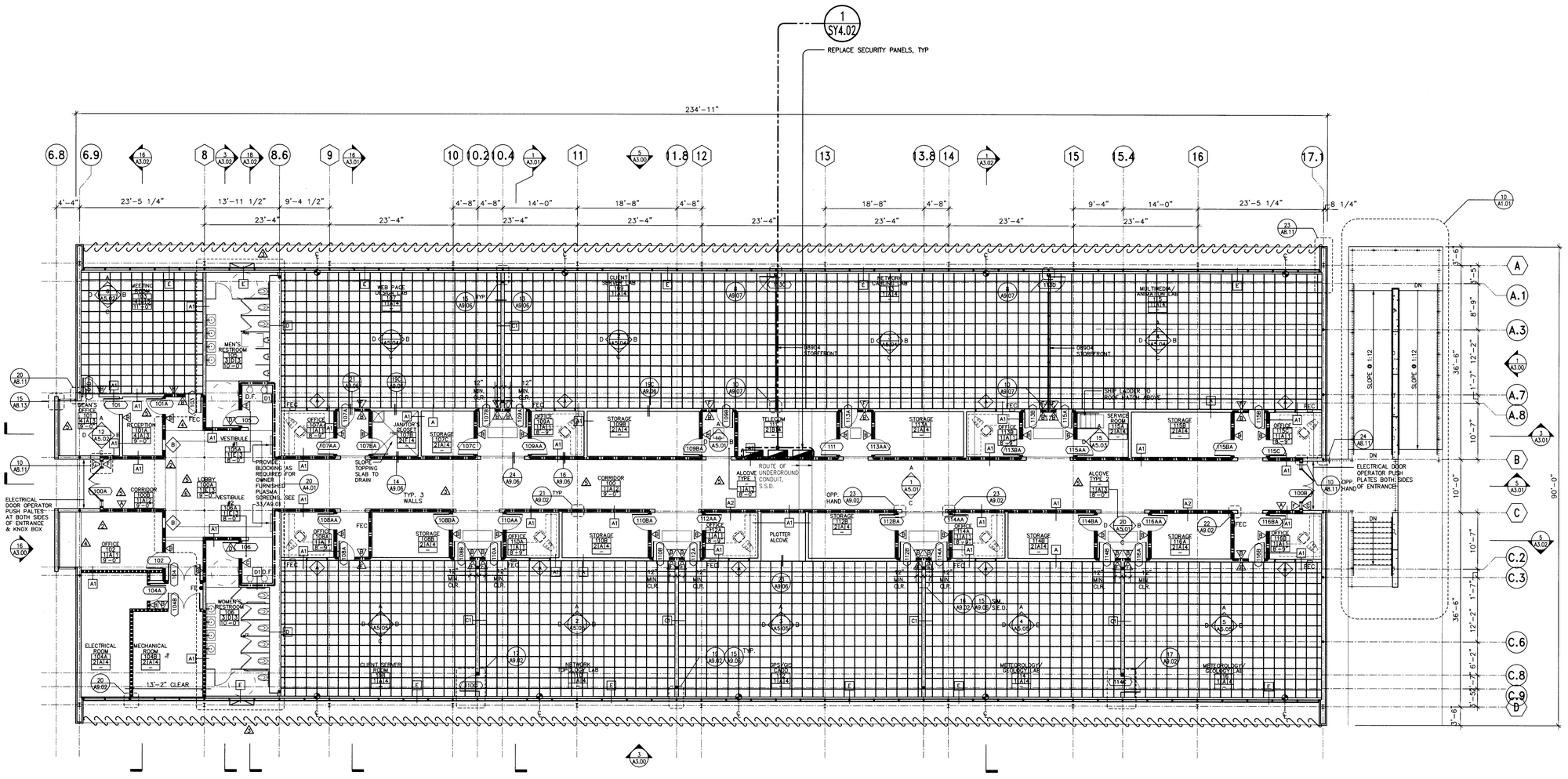
ROOM NAME	DOOR NUMBER	CARD READER TYPE
CORRIDOR 100	100A	WIRELESS
CORRIDOR 100	100B	WIRELESS
DEAN'S OFFICE 101	101	WIRELESS
DEAN'S OFFICE 101	101B	WIRELESS
RECEPTION 101A	101A	WIRELESS
OFFICE 102	102	WIRELESS
MEETING ROOM 103	103	WIRELESS
ELECTRICAL/MECHANICAL VESTIBULE	104	WIRELESS
OFFICE 107A	107AA	WIRELESS
WEB PAGE DESIGN LAB 107	107A	WIRELESS
WEB PAGE DESIGN LAB 107	107B	WIRELESS
JANITOR'S CLOSET 107B	107BA	WIRELESS
STORAGE 107C	107C	WIRELESS
OFFICE 108A	108AA	WIRELESS
CLIENT SERVER ROOM 108	108A	WIRELESS
CLIENT SERVER ROOM 108	108B	WIRELESS
STORAGE 108B	108BA	WIRELESS
OFFICE 109A	109AA	WIRELESS
CLIENT SERVER LAB 109	109A	WIRELESS
CLIENT SERVER LAB 109	109B	WIRELESS
STORAGE 109B	109BA	WIRELESS
OFFICE 110A	110AA	WIRELESS
NETWORK TOPOLOGY LAB 110	110A	WIRELESS
NETWORK TOPOLOGY LAB 110	110B	WIRELESS

CARD READER LOCATIONS

ROOM NAME	DOOR NUMBER	CARD READER TYPE
STORAGE 110B	110BA	WIRELESS
TELECOM 111	111	WIRELESS
OFFICE 112A	112AA	WIRELESS
GPS/GIS CADD 112	112A	WIRELESS
GPS/GIS CADD 112	112B	WIRELESS
STORAGE 112B	112BA	WIRELESS
STORAGE 113A	113AA	WIRELESS
NETWORK CABLING LAB 113	113A	WIRELESS
NETWORK CABLING LAB 113	113B	WIRELESS
OFFICE 113B	113BA	WIRELESS
OFFICE 114A	114AA	WIRELESS
METEOROLOGY/GEOLOGY LAB 114	114A	WIRELESS
METEOROLOGY/GEOLOGY LAB 114	114B	WIRELESS
STORAGE 114B	114BA	WIRELESS
SERVICE ROOM 115A	115AA	WIRELESS
MULTIMEDIA/ANIMATION LAB 115	115A	WIRELESS
MULTIMEDIA/ANIMATION LAB 115	115B	WIRELESS
STORAGE 115B	115BA	WIRELESS
OFFICE 115C	115C	WIRELESS
STORAGE 116A	116AA	WIRELESS
METEOROLOGY/GEOLOGY LAB 116	116A	WIRELESS
METEOROLOGY/GEOLOGY LAB 116	116B	WIRELESS
OFFICE 116B	116BA	WIRELESS

GENERAL SHEET NOTES

1. SECURITY DEVICES SHOWN ON THIS SHEET ARE EXISTING, UON. NO CHANGE TO EXISTING DOORS AND HARDWARE.
2. FIELD DETERMINE EXACT LOCATION OF CARD READERS FOR FINAL PROGRAMMING.



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GENERAL NOTES

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APPROVED
DIV OF THE STATE ARCHITECT
ACS NK FLS — SSS —
APPL NO 04-112357 DATE JAN 27 2012

REVISIONS

2	ADDENDUM 2	1/27/2012

SHEET TITLE
FLOOR PLAN - DVC

ISSUANCE
DSA SUBMITTAL

SCALE
NONE

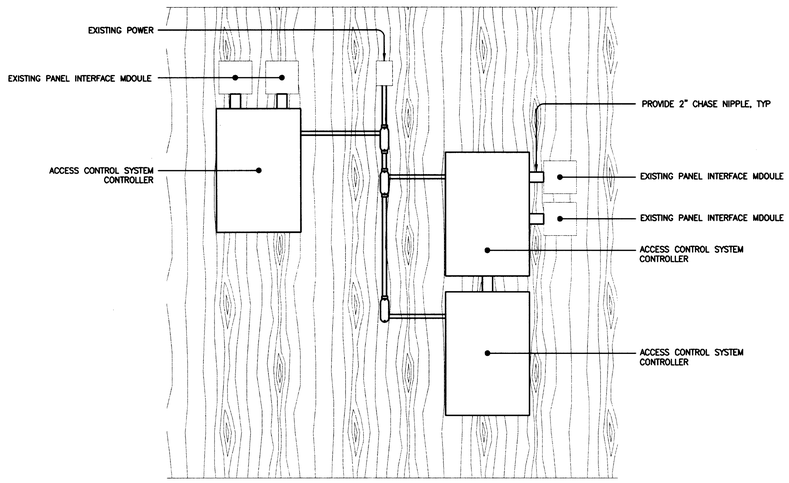
DRAWN BY
AG

CHECKED BY
AA

PROJECT NO
09169

DATE
10.24.11

SHEET NUMBER
AD2-SY2.27
2



SECURITY EQUIPMENT ELEVATION 1

SCALE: 1"=1'-0"

GENERAL SHEET NOTES

1. SECURITY DEVICE ELEVATION DIAGRAMMATIC. PROVIDE ACU'S AND POWER SUPPLIES AS REQUIRED TO HANDLE THE SECURITY FIELD EQUIPMENT SHOWN ON THE FLOOR PLANS.
2. COORDINATE SECURITY EQUIPMENT LAYOUT WITH OWNER.
3. COORDINATE 120VAC POWER CIRCUITS FOR THE SECURITY SYSTEM WITH OWNER.

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APPROVED
DIV OF THE STATE ARCHITECT
ACS W FLS — SSS —
APPL NO. 01-112357 DATE JAN 27 2012

REVISIONS

2	ADDENDUM 2	1.27.2012

SHEET TITLE
DVC SECURITY
PANEL ELEVATION

ISSUANCE
DSA SUBMITTAL

SCALE
NONE

DRAWN BY
AG

CHECKED BY
AA

PROJECT NO
09169

DATE
10.24.11

SHEET NUMBER
AD2-SY4.02
2