

## *About Architect's Security Group, Inc., formerly Steve Keller and Associates*

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Architect's Security Group, Inc. dba/ Steve Keller and Associates, Inc. is the leading security consulting and system design firm in the U.S. working exclusively on projects involving museums and other cultural properties. Located in Ormond Beach, Florida, we serve a worldwide clientele and have over 800 past cultural property and historic site clients. The company employs an architect, an engineer, and a consultant at its design and engineering office in Ormond Beach, Fl. In addition to a support staff.

Past clients include the National Gallery of Art in Washington, the Smithsonian, the American Museum of Natural History, the Los Angeles Museum of Contemporary Art, the San Francisco Museum of Modern Art, the Fine Arts Museums of San Francisco, the Houston Museum of Fine Arts, the Art Institute of Chicago, Harvard University Art Museums, The American Museum of Natural History, New York, and dozens of other museums and galleries. A complete list of past clients can be found on our website as [www.architectssecuritygroup.com](http://www.architectssecuritygroup.com).

In 2009 the company became a fully employee owned enterprise. Alicia Ricci, our staff architect, and Stephen Swen, our engineer, joined Steve Keller as partners. As part of that process the decision was made to re-name the company Architect's Security Group, Inc. but to continue to also do business under the Steve Keller and Associates name because of the worldwide name recognition and reputation of the company. Architect's Security Group/Steve Keller and Associates maintains professional liability insurance in the maximum amount available for security projects and is the only firm with this specialized insurance covering strategy of design for museum projects. Keller is a Certified Protection Professional.

The re-naming of the company was also undertaken as a way of developing a second area of specialization. Prior to 2009 the company engaged only in projects involving cultural institutions. Much of this work was for architects including some of the most prominent in the world. Over the past 20 years the firm became recognized by architects as a security system design firm that understands the design and construction process and one that can meet the unique needs of architects on complex projects of all types. During 2009 the firm is developing a separate team to work for architects on projects involving a variety of institutional and commercial building projects including "green" buildings while the original team continues to serve the needs of cultural institutions.

As independent, non-product affiliated consultants, they are not affiliated with any alarm system, security hardware or equipment manufacturer or dealer. Virginia

clients should know that they are licensed in Virginia as an electronic security business and are the only cultural property specialists so licensed.

## *Some Previous Clients*

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National Gallery of Art, Washington, D.C.; Smithsonian Institution, National Museum of the American Indian; National Sculpture Garden, National Museum of Natural History, National Museum of American History, Arts and Industries Building, Smithsonian Environmental Research Center, Washington, D.C.; Boston Museum of Fine Arts, Boston; Anchorage Museum of Art; Gemological Institute of America, Carlsbad, CA; Contemporary Jewish Museum of San Francisco; Annenberg Library project, Palm Springs; San Francisco Museum of Modern Art, San Francisco; Los Angeles Museum of Contemporary Art; The Temporary Contemporary, Los Angeles; Detroit Institute of Arts, Detroit; Art Institute of Chicago, Chicago; Armand Hammer Museum & Cultural Center, Los Angeles; Seattle Art Museum, Seattle; Bishop Museum, Honolulu; Jewish Museum, New York, N.Y.; Albermerle Carriage Museum, Charlottesville, Va.; Winterthur Museum and Gardens, Winterthur, DE; Peabody Museum, Salem, MA; Western Heritage Museum, Omaha; Children's Museum of Indianapolis; Isabella Stewart Gardner Museum, Boston; Andy Warhol Museum, The Carnegie, Pittsburgh; Riverfront Museum Park, Rockford, Illinois; Heard Museum, Phoenix, AZ; Heard Annex, Surprise, AZ; Arizona State Archives, Pheonix; Orlando Museum of Art, Orlando, Florida; Honolulu Academy of Fine Arts, Honolulu; Musee de Art de Ponce, Ponce, Puerto Rico; Albright Knox Art Gallery, Buffalo; Ft. Lauderdale Discovery Center; Museum of Fine Arts, Houston; P. T. Barnum Museum, Bridgeport, CT; St. Petersburg Museum of Art, St. Petersburg, FL; Philadelphia Museum of Art; Ringling Museum of Art, Sarasota, FL (Fl. State Art Museum); Tennessee State Museum, Nashville, TN; Lannen Museum, Lake Worth, FL; Mint Museum, Charlotte, N.C.; Montgomery Museum of Art, Montgomery, AL; Houston Museum of Contemporary Art; Chicago Museum of Contemporary Art; Milwaukee Public Museum; Deland Museum, Deland, Florida; Danish Immigrant Museum, Elk Horn, Iowa; Barnes Foundation Museum, Philadelphia; Denver Art Museum, Denver; Whitney Museum of American Art, Cody, WY; Buffalo Bill Historical Museum, Cody, WY; Plains Indian Museum, Cody, WY; Winchester Museum, Cody, WY; Brevard Museum, Cocoa, Florida; Corpus Christi Museum, Corpus Christi, TX; Ft. Wayne Museum, Ft. Wayne, IN; The Columbus Museum of Art, Columbus, OH; Jay County Arts Center, Indiana; Toledo Museum of Art, Toledo, Ohio; The Museum of the Aleutians, Unalaska, Alaska; The Mississippi State Museum, Jackson; Montpelier, Home of James Monroe, Orange, VA; The Huntsville Museum of Art, Huntsville, Al.; Field Museum of Natural History, Chicago; Virginia Museum of Fine Art, Richmond, Va.; Munson-Proctor Institute, Utica, NY; McNay Art Museum, San Antonio, TX; The Heinz Center for Architecture, The Carnegie, Pittsburgh; Museum of Southern Decorative Arts, Old Salem, Winston-Salem, S.C.; Washington State Historical Museum, Tacoma, WA; Fernbank Museum,

Atlanta, GA; Asian Art Museum, San Francisco, CA; Montclair Museum of Art, Montclair, N.J.; Department of the Interior Museum, Washington, D.C.; Morris Museum, Augusta, GA; Georgia O'Keeffe Museum, Santa FE; Dayton Art Institute; Columbia Museum of Art; Cincinnati Museum Center (Cincinnati History Museum/Cincinnati Museum of Natural History); Museum of Jewish Heritage/Holocaust Memorial, NY; Frye Museum of Art, Seattle; Wadsworth Athenaeum, Hartford; Morse Museum, Winter Park, FL; J. Paul Getty Museum, Los Angeles; Santa Barbara Museum of Art; USS Constitution Museum, Boston; Tampa Museum of Art; D-Day Museum, Springfield Museum of Art, Springfield, OH; San Jose Museum of Art; Palm Springs Desert Museum; Norton Simon Museum, Pasadena; Headley-Whitney Museum, Louisville; Mexican Museum, San Francisco; American Museum of Natural History, NY; Buffalo Science Center; DuSable Museum, Chicago; SFMOMA Garage and Sculpture Court; National Sculpture Garden, Mall, Washington, D.C.; Frist Visual Arts Center, Nashville; Jamestown-Yorktown Museum, Virginia; Mobile Museum of Art, Historical Society of Pennsylvania, Philadelphia; Academy of Fine Arts, Philadelphia; Orange County History Center, Orlando; Brooklyn Historical Society; Ohr-O'Keeffe Museum, Biloxi, International Glass Museum, Tacoma, New York State Museum, Albany ; the Museums of Walt Disney World, Orlando; The Disney Family Museum, San Francisco; Crocker Museum, Sacramento; National World War II Museum, New Orleans, The Phillips collection, Washington, D.C., Schisler Gallery of Wildlife Art, Taubman Museum of Art, Roanoke, Va. and others.

#### Libraries and Archives:

Library of Congress (Main Reading Room, Manuscript Reading Room, LaFollette Reading Room; Science Reading Room; Prints and Photographs Reading Room & Stacks; Serials and Government Publications Reading Room; Law Library Reading Room; Law Rare Books; Colonnade Reading Room and Offices); Walpole Library, Yale University; The Huntington Library, Art Gallery and Botanical Gardens, San Marino, CA.; The Art Institute of Chicago Libraries; The Alabama State Archives, Montgomery, AL; The Boston Athenaeum, Boston; The Wilson Library, U. of N.C., Chapel Hill; Baseball Hall of Fame Library and Archive; The Carnegie, Pittsburgh, Duke University Special Collections library; Columbia University Avery Rare Book Library; New York Society Library; New York State Library and Archive, Albany. Kroch Rare Book Library at Cornell University, and others.

#### Historic Sites

The Statue of Liberty and Liberty Island; Ellis Island National Historic Site; Mount Vernon National Historic Site, Va; Hanford Mills, N.Y.; Sagamore Hill, Oyster Bay, N.Y.; Theodore Roosevelt's Birthplace, Manhattan; Graue Mill, Illinois; Shelburne Museum, Vt. (42 buildings and a ship); Mary Moody Northen House, Galveston; Miles Brewton House, Charleston, S.C.; Hearst Castle, San Simeon,

CA; Ogden Museum of Southern Art Telfair Academy, Savannah; Owens Thomas House, Savannah; Rochelle Plantation, Georgetown, S.C.; The Hermitage, Nashville; Church of the Advent, Boston; Olana, Albany, N.Y.; Musee Toulouse Lautrec, Albi, France; Private Residence Restoration, Charleston, S.C.; The Breakers; The Hunter House; Kingscote; Chateau-Sur-Mer; Marble House; The Elms; Rosecliff; Green Animals Topiary; The Warren House all of Newport, Rhode Island; The Confederate Museum, Richmond; The White House of the Confederacy, Richmond; Ca d'Zan (Ringling Home), Sarasota; Baltimore City Life Museum, Penneman House, Cape Cod; Fullerton House, Charleston, S.C.; Bayou Bend Historic Site, Houston; Springfield Arsenal, MA; Longfellow Home, Cambridge; John Quincy Adams Home, Quincy, MA; FDR Home and Vanderbilt Mansion National Historic Site, Hyde Park, NY; Geo. Washington Headquarters, Morristown, NY; Customs House Restoration, Key West, FL; San Francisco Old Mint Restoration; Fruitlands Museum, Harvard, MA; Rienzi, Houston; Doris Duke Residence, Newport; Bayou Bend, Houston; Iolani Palace, Honolulu, Marsh Rockefeller House NHS, Vermont, and others.

### College Galleries

Loeb Art Center; Vassar College; Yale University Art Museum; Yale Center for British Art; Harvard University (numerous projects); Snite Museum at the University of Notre Dame; Ackland Museum, University of North Carolina; Harn Museum, University of Florida; Oberlin College; University of Chicago; School of the Art Institute of Chicago; College of DuPage; Miami of Ohio; Smith College; Dickinson College; State University College of Buffalo; Indiana University; Bard College Art Center; Fowler Museum, UCLA; LSU Art Museum; Auburn University Art Museum; Ohio University Art Museum; University of Georgia Art Museum; Rhode Island School of Design Art Museum; Grinnell College Art Museum; Meadows Museum at Southern Methodist University; Loeb Art Museum at Stanford University; Cornell University Art Museum, Wolfsonian Museum, Miami, University of Oregon Museum of Art, Tibbals Learning Center, Sarasota; Berkeley Art Museum and Film Archive, Berkeley; Chazen Museum, University of Wisconsin; Yale University Campus Central Station, and others.

### Other Cultural Institutions:

Baseball Hall of Fame Museum and Library, Cooperstown, NY; U.S. Golf Association Museum, Far Hills, NJ; The National Cowboy Hall of Fame Museum, Oklahoma City, Symphony Hall, Chicago Symphony Orchestra; Catherine the Great U.S. Tour 1991-92; The French Impressionists on Tour in Japan ; American Impressionists on Tour in Europe; Vatican Art Collection on Tour in the U.S.; Ramesses II (part of tour); The Search for Alexander; The French Impressionists: A Day in the Country ; Edward Hopper, Treasures of Tod'ai Ji, The Works of Toulouse Lautrec; 5000 Years of Korean Art ; The National Sculpture Garden, Washington, D.C; Baltimore Museum of Art Sculpture Garden;

Houston Museum of Art Sculpture Garden;, Columbus Museum of Art Sculpture Garden; Steamship Ticonderoga; Statue of Liberty; T-Rex (Sue) Restoration Project; U.S. Ambassador's Residence (art collection); Gated Community, Palm Coast, Florida; Gated Community, Orlando; Gated Community, Bahamas; corporate art collection, Lexington, MA; corporate headquarters, Heathrow, FL; numerous collections in transit; numerous private residences with art collections.

## About Steve Keller, CPP

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Steve Keller is a Certified Protection Professional, President and Managing partner of Architect's Security Group, Inc./Steve Keller and Associates. He has served in this capacity since formation of the company in 1986. Prior to that time he has held a variety of positions in the security field including Executive Director of Protection Services and Construction Projects Advisor for the Art Institute of Chicago. Before working in security, he was with the Washington, D.C. Metropolitan Police Department as a Detective and later with the Federal Reserve Board in Washington (the central bank of the U.S.) as Special Agent then Assistant Director of Security for the agency.

Steve holds a B.A. from American University in Washington, D.C. and has attended a large number of professional development programs in technology. He has taught museum burglar and fire alarm design at New York University and was a regular member of the faculty at the Smithsonian Institution's National Conference on Cultural Property Protection since 1980.

Steve's articles have been published 22 times to date in national and international publications such as "Security Management" "Construction Specifier", "Building Design and Construction", "Security", "Security Technology", and others. He has contributed to several books and wrote security sections of the *Encarta Encyclopedia* for Microsoft and the *Encyclopedia of Security*. He wrote a widely used software program for managing a museum's security operation and a policy manual template used by hundreds of museums and galleries. His video training programs, nearly 40 in all, are used by more museums to train security officers than all other packaged training programs combined. He has been interviewed by "60 Minutes", National Public Radio, all major networks, and many local TV stations and newspapers on the subject of museum protection. He recently turned down an invitation to appear on "Good Morning America" and "Nightline" after a major art theft because he will not discuss specific museum thefts with the press. He is the recipient of the ASIS "President's Award of Merit", the ASIS "Distinguished Achievement Award", Security Magazine's "Executive Achievement Award", and awards from Smithsonian Institute and the IAPSC.

In May 2006 Steve Keller was honored as an inductee to the Centennial Honor Roll of AAM. The Centennial Honor Roll identified the 100 most influential individuals in the museum profession for the past 100 years.

Steve has served as Chairman of the American Society for Industrial Security's Cultural Property Committee and as a member of the AAM's standing committee on museum security and has been a continuous member of these committees

since 1979. Steve Keller is the primary author of “The Suggested Guidelines for Museum Security” the prevailing standard for security and security systems in North America and he is widely recognized as a leading authority on museum security with a specialty in historic preservation.

## *Alicia Ramirez-Ricci, Architect*

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Alicia Ramirez-Ricci, Vice President and Secretary of the company is a native of Venezuela and practiced architecture for several years before becoming involved in the construction trade as a building inspector. She is a proficient AutoCAD operator and serves as our primary liaison with architects. Well versed in all of the equipment and practices in security, she works closely with architects to minimize the visual intrusion of detectors, cameras and other equipment in landmark and historic buildings. Alicia is in charge of the CAD operation and is also responsible for all of the construction details, elevations, and other drawings required on a project. She designs consoles and maximizes the use of space in security closets, a coordination nightmare. Alicia is trained in system design and checks work of others. She holds a degree in Architecture from the University of Zulia in Maracaibo. While we do not practice architecture, Alicia’s education and training is very valuable to the architects we work with and on projects involving historic restorations, etc.

## *Steve Swen, Engineer*

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Steve Swen, Vice president and Treasurer of the company also serves as our Manager of Advanced Technology who came to us after a career with a number of engineering firms. His specialty is computer networks and computer security, a valuable skill in an era when advanced security systems are computer network based. He is an accomplished CAD drafter and electronics engineer. He teaches advanced digital CCTV system design for a number of programs and is currently developing a tech blog for the firm which he will moderate. For his last hobby project he built his own home computer. He and Steve Keller are computer security experts and develop countermeasures for client security networks.

## *Some Representative Major Projects*

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### **Mount Vernon**

(Entire Complex plus Orientation Center and Education Center)  
Mount Vernon, Virginia

After designing a security system for the entire campus of Mount Vernon we designed the expansion of that system into the two new buildings . The project involved exhibit case alarms, building alarms, access control systems, and CCTV systems Work also included a re-design of the security control room.

### **Jamestown Yorktown Foundation exhibition buildings**

Williamsburg, Virginia

On a fast track schedule prior to the 400<sup>th</sup> anniversary of the settling of Jamestown, the Foundation undertook the construction of three buildings and three separate exhibition areas under the design of four separate architects/exhibit designers. We worked on all of the projects. Work involved development of a master plan, a new security control center, and expansion of the new alarm, access control and CCTV system into each of the three buildings. As buildings were completed and exhibition designs were developed we worked with the various exhibit designers on the alarms for exhibit cases in three major exhibit areas including the permanent collection, the temporary exhibition area, and the "World of 1607" galleries.

### **Houston Museum of Fine Arts**

Houston, Texas

We have performed various projects for this client including security surveys for main (Law) building, Bayou Bend historic site, downtown (Tenneco) exhibition site, Rosine Conservation Center, Fannon Service Center, Administration Building and the Rienze house museum. We designed the security system for the new Beck Building and Fannon Building (the old building was demolished) and we designed the security control room that will serve the entire site. We also designed security systems for the Rosnie and Rienze sites, Bayou Bend, and Tenneco. The Beck Building system was one of the largest and most complex systems we have designed as it will eventually serve every building. We recently prepared bid documents and a system design for the auditorium renovation and the library renovation projects. These are out to bid. We are currently on hold in the design of the security system upgrade for the main building, having prepared a design that is in owner review. The Museum of Fine Arts, Houston, is a retainer client, having purchased a three year retainer under our pre-paid plan. Therefore, they have unlimited phone consultation which they use extensively. All

projects for this client included project management. In July 2007 we were added to the design team of the Bayou Bend Visitor. We are also working on an off site collection storage building for the MFAH.

### **National World War II Museum** New Orleans

The National World War II Museum is a seven phase project to expand the National D-Day Museum into the National world War II Museum. It is currently under construction. It will include nine separate structures and a "parade ground" plus macro exhibits, micro exhibits, a library and archive, an "Four Dimensional" theater, historic USO Cabaret, and other facilities. Our work includes alarms, access control systems and CCTV systems and will conclude with exhibit case alarms when the interiors are fully designed.

### **Smithsonian Institution** Washington, D.C.

Various projects including the security system design for the National Museum of the American Indian Collection Resource Center and the programming phase for the NMAI Museum on the Mall in Washington. Projects also included a security survey at the Hirshhorn Museum Sculpture Garden, the historic buildings report for the Arts and Industries Building on the Mall, the SERC Lab renovation projects, the National Museum of Natural History and National Museum of American History renovation projects and other projects over the past 20 years.

### **Fine Arts Museums of San Francisco** **deYoung Museum** San Francisco, CA

We designed the alarm, access control and CCTV systems for the new deYoung Museum in Golden Gate Park, San Francisco. A Herzog and deMeuron projects, this project had major challenges which were overcome.

### **Norton Simon Museum of Art** Pasadena, California

Several years ago I conducted a security survey at the Norton Simon Museum. When they did their recent expansion, they did not use my services to prepare bid documents, since they have a knowledgeable building manager on board who wanted to do this himself. I reviewed his work and offered advice that did not always agree with his opinions. During the project's installation phase, problems developed that would have been avoided had I been involved in a more traditional way. Wayne and his superiors brought me in for consultation and I assisted in the resolution of issues with their vendor. The museum subsequently purchased a three year retainer under our pre-paid plan and I conducted the

acceptance testing of their new security system and prepared a punch list. This has been a difficult and complex project in that I have had to serve as diplomat, representing the Director of Security in resolving issues with their contractor, without making anyone in the museum look like they had made a bad decision in pursuing the security design project without professional design assistance. This client has made extensive use of their free phone consultation over the past several years. This client takes security very seriously and has an excellent security program, among the best in the country.

### **Montpelier, Home of President James Madison**

Orange, Virginia

Work was recently completed on the restoration of Montpelier, the home of one of our most interesting Presidents. We worked closely with the architectural team to design an alarm, access control and CCTV system that minimized damage to historic fabric and facilitated the telling of the story of President Madison. Work included a Visitor Center and gallery area with exhibits and public accommodations.

### **Bancroft Doe Library, UC Berkeley Seismic Upgrade Project**

Berkeley, CA

This work involved a total renovation of this very large library building. The facility houses the university's rare book collection as well as special collections such as the works and personal papers of Mark Twain. Our role involved conducting an initial needs assessment, interfacing with the university Campus Police Department, and determining a secure way of transmitting alarms from the facility to the university's central station in a manner immune from hacking. The project also involved expanding the central station monitoring stations at Campus Police, designing and specifying a Software House C-Cure 8000 point monitoring and access control system, Intellex DVR based digital CCTV system, and integrating both analog and network cameras into one system using power over Ethernet technology and unshielded twisted pair cabling. The system designed uses extensive proximity card access with carefully engineered CCTV monitoring of Reading Room and other areas of the building.

### **Washington State Historical Museum**

Tacoma, Washington

The project involved the restoration of a railroad station to serve as a history museum. We designed the alarm, a complex access control system, and a CCTV system.

## **The Heard Museum**

Phoenix, AZ

Several years ago I conducted a security survey for this client. When they doubled the size of their building but could not increase their security staff, they called on me to design a complex security system on a limited budget for the new facility. This has been among the most challenging projects I have ever done. We have provided project management and during the final acceptance testing procedure which is extensive and thorough, we detected an irregularity and stopped the test. I questioned the contractor's representatives on site and suspected that they had manipulated the test to make it appear that the system was performing perfectly when it was not properly programmed or installed. We stopped the test and I called in the president of the alarm company that was responsible, a major national firm. One of their sub-contractors had been manipulating the test. It was my staff's expertise that detected and uncovered this problem which some might consider a fraud perpetuated against my client. We are on a fixed fee but we have continued to work on an almost daily basis to review the work of the contractor to make sure that they correct the problem. This includes weekly conference calls, technical reviews, and project updates at no cost to our client. This client can speak to the extent we will go to honor our fixed fee agreements and to assure that projects we design are properly installed and working before we sign off. Since this project we have done several others for them including Heard North Annex, Heard West Annex, Heard Store Gallery project, and the CCTV system upgrade project.

## **The Menil Collection**

Houston, TX

The Menil Collection consists of one main landmark Renzo Piano designed building, four other museum buildings, and eleven additional buildings used for various purposes, all within a mile of each other. The museum used a first generation computer based alarm and access control systems which is now obsolete and outdated. Nearly every device and camera is concealed, and no changes can be made to the building's appearance due to its status as a Renzo Piano building. Piano is one of the all time greatest architects. We were commissioned to design a security system that would replace and upgrade the existing system and to expand it to all buildings via an underground fiber optic network we were to design. The project has been designed and went to bid. Two bidders were within \$65 of our estimate and one qualified bidder was substantially lower. Work is now completed on that project. Since then we prepared a master plan report for the long term upgrade of CCTV systems to full digital.

## **The Jewish Museum of New York**

New York, NY

I designed the security system for the Jewish Museum when it was renovated and expanded some years ago. This included designing an access control and CCTV system. This museum has purchased out Pre-Paid Plan for the past five years and we have had an ongoing relationship with them. We have assisted with the upgrade of their window glazing and blast resistance system, their CCTV system from analog to digital, their exhibit alarm system, their access control system, and other projects. When they had a theft, we were called and I responded to advise them on how to proceed. Since they are a likely target of terrorism, we have consulted many times on this subject.

## **Experience Music Project and Science Fiction Museum**

Seattle, WA

I first did work with Tim Bonow when he was Assistant Director of Security at the Seattle Art Museum. I then did a project with him when he was Director of Security at the Huntington Library in San Marino, CA. I recently completed a project with him at the Experience Music project/Sci Fi Museum in Seattle. His museum director Josi Callen also worked with me when she was at the San Jose Museum of Art. EMP/SciFi is a Frank Gehry building donated in full by Microsoft co-founder Paul Allen at a cost of \$325 million. The museum is now planning major changes to its control room and CCTV system in an upgrade to digital. We have completed the master plan and are awaiting owner response and direction. Steve Keller also worked on the security system designs for Paul Allen's private residence.

## **Contemporary Art Center of Virginia**

Virginia Beach, VA

When the Virginia CAC was designated by the city and the state as the host venue for a Magna Carta exhibition as part of the 400<sup>th</sup> anniversary of the founding of Jamestown, it was apparent that the museum was not ready for this magnitude of special exhibition without immediate and drastic changes. We did a study and recommended alarm, CCTV and control room upgrades and upgraded staffing levels. We also recommended added training for guards. Terrorism considerations also were a concern. When the exhibition approached and it was apparent that the museum lacked the resources to properly secure the exhibit, we waived our fees and donated all of our services in an effort to get the work completed. We also donated the world's most advanced high tech object alarm system for use on five major exhibit cases and we sent technicians to install them when objects were installed. We worked with police and local agencies to make the facility ready for the exhibit, which was a subsequent success for the museum.

## **Polly Rosenbaum Arizona State Archives**

Phoenix, AZ

This project involved designing and specifying a state of the art point monitoring and access control system and a digital CCTV system for this Capitol Hill based depository. Special electronics were designed for exterior areas and parking lots and interior systems provided close surveillance of reading room activity. This project involved expanding the owner's existing General Electric Infographics access system, their existing DVR based CCTV system, and other special systems. A security control room was also designed.

## **Yale University Cultural Property Central Station**

Yale University has seventeen major cultural properties in need of special alarm and CCTV system monitoring. When cultural property system are monitored from a common Campus Police central station they can be vulnerable by something as simple as a policeman in trouble call which redirects all of the resources of the department away from alarm monitoring and to street level activity. The solution was to design an dedicated central station that serves only cultural institutions. Entities included in this program are the Yale Center for British Art, the Yale University Art Gallery, the Beineke Rare Book Library, and other institutions.

This project involved an initial study which recommended establishing a dedicated, highly secure central station staffed by a detail of campus police especially trained on the geography and operations of all of the monitored facilities. Further, the study involved studying the technology in use in all of the properties and recommending a campus cultural property standard and developing an action plan for converting the 17 entities to that standard. Finally, the work involved designing a fully engineered central station for the exclusive monitoring of cultural properties and defining procedures for staff dispatchers to follow while working there. The Lenel point monitoring and access control system, the Intellex DVR based CCTV system, and the Sensicast object protection system were specified. All racks and equipment within the central station were open source and standards compliant. Our work included fully engineered drawings.

## **Library of Congress**

Washington, D.C.

This project involved conducting a master plan study of the special collections libraries at the Library of Congress. These included the Main Reading Room, Manuscript Reading Room and stacks, LaFollette Reading Room; Science Reading Room; Prints and Photographs Reading Room & Stacks; Serials and Government Publications Reading Room; Law Library Reading Room and

stacks; Law Rare Books; Colonnade Reading Room and Offices. A report was issued for Congress that resulted in funding of projects.

### **The Magna Carta**

When the Magna Carta traveled to Virginia in celebration of the 400<sup>th</sup> anniversary of the founding of Jamestown we were asked to design security for the exhibit and its exhibit cases.

### **Disney Family Museum Walt Disney Family Foundation San Francisco, CA**

This project involved designing a burglar alarm, access control and digital CCTV system as well as an object protection system for the personal collections of the Disney family members. The museum is located in an historic building within the Presidio, San Francisco.

### **The Wilson Library University of North Carolina Wilson Library Chapel Hill, NC**

This project involved a feasibility study for upgrading the library's alarm, access control and CCTV system and expanding it.

### **National Gallery of Art Washington, D.C.**

We have performed various projects for the National Gallery including a master plan survey, a master plan security system design, a master plan security control room design, a manpower survey and a White Paper to Congress, with successful funding request for \$995,000, We also designed the security systems for the National Sculpture Garden on the Mall, performed other smaller projects. All projects for this client included project management.

We also designed exhibit case alarms for the Emancipation Proclamation, Dunlop Broadside of the Declaration of independence, the first draft of the U.S. Constitution, the Guttenberg Bible, the Gettysburg Address, and the Dead Sea Scrolls. We've protected life works and papers of Mark Twain, the Salem Witch Trial papers, and many other precious and rare cultural assets.

We've done projects in concert halls and performing arts centers as well. We designed the alarm, access control and CCTV systems for the Miami-Dade Performing Arts Center for Cesar Pelli Architects and did projects at the Lincoln Center, New York, the Detroit Symphony Hall, Detroit, the Chicago Symphony, Chicago, and other smaller facilities.

Outdoor sculpture garden projects included the Hirschhorn on the Mall in Washington, the National Sculpture Garden on the Mall in Washington, the Nasher Center, Dallas, the Houston MFA Sculpture Garden, Houston, Sunnylands Estate, Palm Springs, and the Aga Khan Museum Sculpture Garden in Toronto.

High security storage facility work included the Manhattan, Southampton, and Newark storage facilities for Crozier Fine Arts, the off site storage facilities for the Art Institute of Chicago, two off site facilities for the Houston MFA, the Smithsonian National Museum of the American Indian storage facility, Suitland, Md., and others.

We have designed security systems for the following history museums: Washington State History Museum, Tacoma; the Orange County History Center, Orlando; the New York State History Museum, Albany; the Anchorage Museum, Anchorage; Iolani Palace, Honolulu; the National World War II Museum, New Orleans; The Smithsonian's National Museum of American History; the Detroit History Museum, Detroit; the Florida State History Museum, Tallahassee; Jamestown-Yorktown History Center; Pennsylvania Historical Society Museum, Philadelphia; Tennessee State History Center (survey only); Confederate Museum, Richmond (survey only); and many other historic sites, National Park Service sites, and historic house museum visitor centers.