

Statement of Qualifications





CAS Architects, **Inc.** has been a part of the Silicon Valley since our founding in 1978. We are a 20 person firm, made up of licensed architects and interior designers. We provide comprehensive architectural services to meet the demanding and dynamic needs of our clients, whether for planning and designing corporate campuses, new building shells / build-to-suits, or tenant improvements / interior remodel.

Adding Value Through Design

Beyond fulfilling programmatic demands, well-designed campuses and buildings help companies attract and retain valued employees and customers. CAS produces creative, well-considered designs that enhance the human experience with better environments for research, development, and creating and sharing of ideas. Our designs help articulate our client's values and contribute to establishing a strong, distinct corporate identity. CAS has successfully worked on various projects where there were multiple stakeholders. We understand how to orchestrate a project through a complex design, construction and approval process. It will be our task to participate in a leadership role to involve each of the stakeholders.

As a member of the US Green Building Council, CAS is dedicated to creating buildings that are environmentally responsible and strives to incorporate sustainable design principles into each project. We educate our clients so they can make informed choices on which renewable/recyclable materials and methods of construction will help to achieve efficiency and reduce operations and maintenance costs, so that the facility will be a high performance green building.

Track Record for Total Quality

Through the process of designing complex technical facilities for many of the valley's leading businesses, CAS has found



new ways to deliver through on-going staff education, design pin-ups, and intra-studio drawing reviews. Our firm carries this culture of total quality into every market and every project it serves. CAS embraces constant improvement and is committed to creating an environment in which people ask, "How can we do this better?" Among the results: satisfying, long-term working relationships and well-designed buildings that meet or exceed our client's expectations.





CAS offers complete design services

Architectural Design

Master Planning

Feasibility Studies

Site Evaluation and Selection

Site Development

Programming

Conceptual and Schematic Design

Design Development

Agency Approval Packages

Public Hearing Representatives

Code and Ordinance Compliance Evaluation

Building and Fire Codes, HazMat ordinances

Value Engineering

Cost Estimating

As-Built Field Verification

Facilities Database Development

Equipment Layout and Utilities Matrix

Specialized Materials and Systems Research and Selection

3D Modeling and Animation

ADA Disabled Access Compliance Evaluation

Space Planning and Interior Design

Tenant Improvement Design

Programming and Planning Growth

Finish and Materials Selection and Specification

Furnishings Selection and Specification

Artwork Coordination

Signage Programs

Custom Millwork Design

Custom Furniture Design

Bidding and Contract Documents

Contract Drawings

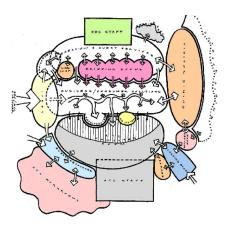
Specifications

Bidding and Award Documents

Construction Administration

Agency Approvals and Permitting

Contractor Submittal Review



Bubble diagrams define interrelationships during programming phase.

On-Site Meetings

Project Close-Out

Record Drawings

Post Occupancy Evaluation

Special Services

Acoustics and Vibration

Archeological Evaluation

Audio Visual Design

Central Plant and Energy Management

Chemical Storage and Distribution

Code Evaluation

Energy Compliance

Environmental Clearance

FDA Validation

Food Services

GMP Consulting

Graphics and Signage

LEED Certification

Hazardous Materials

Manufacturing Equipment Hook-Up

Process Equipment Layout

Rezoning Applications

Waste Treatment





CAS can assemble an experienced full service team:

Land Design and Engineering

Urban Design and Land-Use

Landscape Architect

Civil

Structural

Mechanical

Electrical

Plumbing and Process Piping

Fire Protection

CAS can design any of these types of facilities:

Technical and Industrial Buildings

Semi-conductor R & D and Manufacturing Facilities

Bioscience-Pharmaceutical R & D

Hazardous Material Storage and Distribution Buildings

Data Centers

Medical Device Manufacturing/Assembly



Corporate Operations

Administrative Offices

Sales and Marketing Suites

Executive Suites

Audio Visual, Video and Teleconferencing Facilities

Training and Demonstration Facilities

Corporate Cafeterias, Employee Lounges, and Break Rooms

Commercial

Restaurants

Retail Establishments

Financial Institutions

Urban Revitalization

Recreational Facilities

Amphitheaters

Exercise Rooms

Fitness Centers

Games Courts

Parcourses

Locker and Shower Rooms



Synaptics





José Cotto, AIA

José is the catalyst for an ongoing commitment to design excellence at CAS. In his role as President & Design Principal, José takes the leadership role in defining the company's design direction. He is instrumental in integrating advanced technology, such as the Internet, 3D rendering and animation, with the CAS design process. His clients include high tech, biotech and internet support technology companies.

Education: Bachelor of Architecture, Syracuse University, Syracuse, New York

Registration: California

National Council of Architectural Registration (NCARB)

Member of ISPE

Gary J. Aquilina, AlA

Gary joined the CAS team in 2006, bringing with him more than 20 years experience as an architect and project manager for many of the largest life science companies in the Bay Area. As Principal, Gary utilizes his strength in understanding the clients' needs and translating that into a finished design.

Education: Bachelor of Architecture, University of Oregon

Registration: California, Arizona, Utah, Washington

National Council of Architectural Registration (NCARB)

Member of ISPE

Richard A. Smith, AIA

Richard, a Senior Associate, serves as Project Architect and Project Manager. He is responsible for all phases of a project through its life cycle, from the earliest planning and programming through the final construction administration. Richard helps our clients tackle the complexities of obtaining appropriate approvals from local jurisdictions.

Education: Bachelor of Architecture, California Polytechnic State University, San Luis Obispo

AA Graduate Diploma, Architectural Association School of Architecture,

London, United Kingdom

Registration: California

Teaching: Associate Professor - West Valley College



Michele A. Chadwick, CID, LEED[®]AP

Michele, a Senior Associate with the firm, has been a key team member since joining CAS in 1990. Her professional experience encompasses programming, space planning, design, construction documentation, project administration and finish and furniture selection. As a project manager she is skilled at coordinating various team members and disciplines to ensure that projects are completed successfully and on time.

Education: Bachelor of Science, Interior Design, San Jose State University

Certification: California Council for Interior Design Certification (CCIDC)

National Council for Interior Design Qualification (NCIDQ)

LEED Accredited Professional (U.S. Green Building Council - USGBC)

Brooke L. Simons

Brooke, an Associate, leverages her strong organizational skills and commitment to customer service, making her a major asset to every project. Brooke's experience includes lab space planning and equipment coordination, lab product specifications, laboratory detailing and MEP coordination, working with design teams consisting of consulting engineers and design-build contractors.

Education: Bachelor of Architecture, California Polytechnic State University, San Luis Obispo

Masters of Business Administration, California Polytechnic State University, San Luis Obispo

Ronald V. Ronconi, AIA

As a founding principal of CAS, Ron Ronconi has over 38 years of experience in designing facilities to meet the needs of innovative companies expanding the limits of technology. Even in retirement, Ron will continue to work with CAS as a consultant, lending his experience and knowledge to the CAS team and its clients. He will continue to develop and strengthen the firm's reputation for thoughtful design and commitment to the community.

Education: Bachelor of Architecture, California Polytechnic State University, San Luis Obispo

Registration: California, New Mexico, Colorado

National Council of Architectural Registration (NCARB)

Awards: Recipient of the 2003 Octavius Morgan Distinguished Service Award

from the California Architects Board



AboveNet Communications, Inc.SJ II Internet Exchange Facility

Internet Technology Building Renovation San Jose, CA

An adaptive re-use design of a former shopping mall, the structure accommodates 100,000 s.f. of co-location data center and various customer support functions.

Project Highlights:

- · Glass entry cube functions as a portal into the building, leading into a split-level lobby.
- · High-level security specifications were integrated into the design.
- The co-location facility were engineered to an importance safety factor of 1.5 and includes systems redundancy for electrical and HVAC.

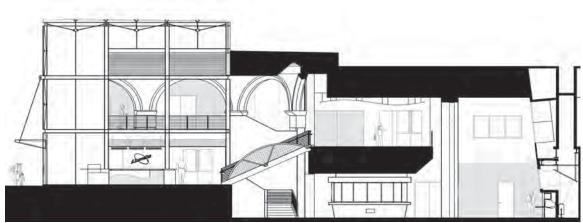
Program Elements:

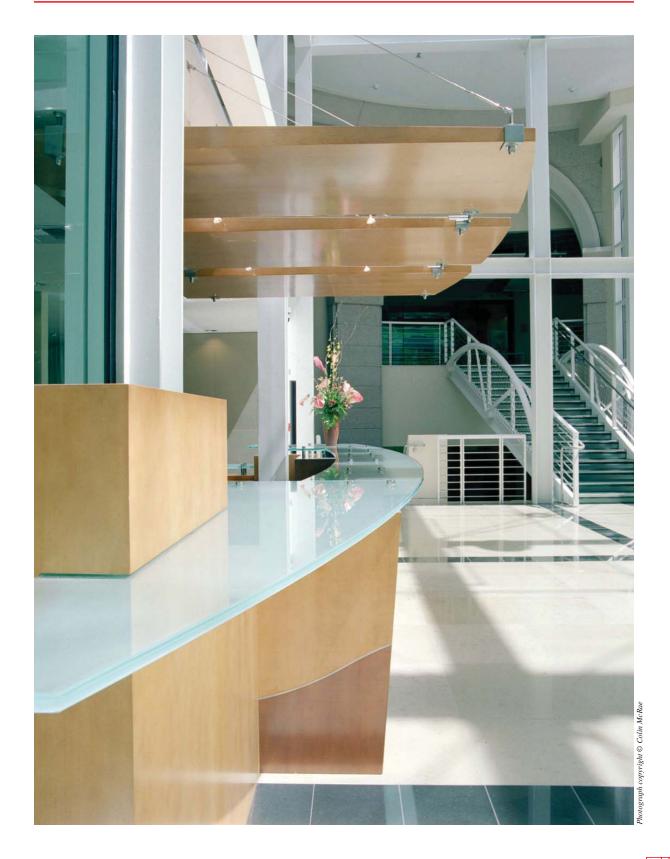
Customer Briefing Center
Demonstration/Training Rooms
Administrative Offices
Display/Demonstration Lobby
Co-Location Data Center
Customer Support Call Center
Network Operations Center





















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Photograph copyright © Colin McRae



Adaptec

Commercial Office **Building Renovation** Milpitas, CA

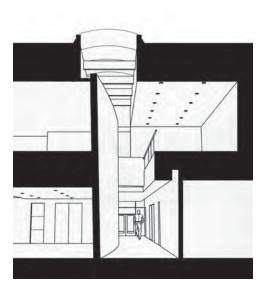
CAS has provided design services for several Adaptec projects including corporate, administrative and technical environments. This project addressed combining common amenity spaces into one building.

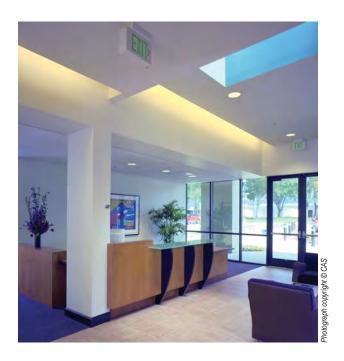
Project Highlights:

- · The skylights occuring two floors above the lobby send light cascading down a curving purple wall.
- In the auditorium, which seats 225 people, ceiling baffles offset noise and provide a counterpoint to the industrial look of exposed crossbeams and bracing.

Program Elements:

Offices Meeting Rooms Fitness Center Corporate Cafeteria Lobby

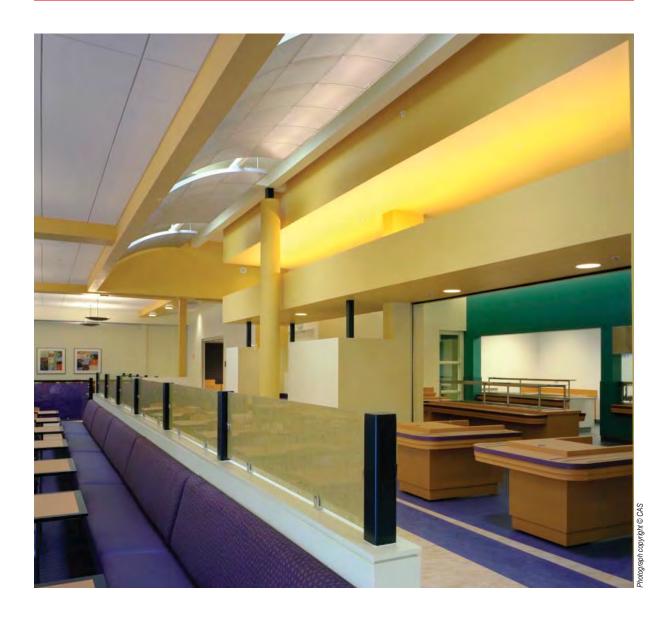


















Agilent Technologies

Technical Manufacturing - Microelectronics Building Renovation San Jose, CA

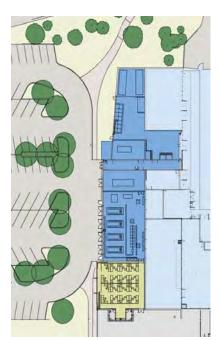
CAS was commissioned to develop a 11,000 SF building to house the main site utility infra-structure systems for Agilent's Trimble road campus. The building operates critical mechanical and electrical systems for the manufacturing facilities housed on the site.

Project Highlights:

- · Naturally ventilated equipment areas.
- · Landscape screen wall designed to act as a security fence.
- Vocabulary for the elements of the building were taken from the existing buildings on the site.

Program Elements:

Open Office Area Boiler Equipment Area Substation and Electrical Distribution Emergency Electrical Generator Hazardous Material Storage Area











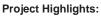




Canon, USA, Inc.

Technical Manufacturing - Microelectronics Master Planning & Building Design San Jose, CA

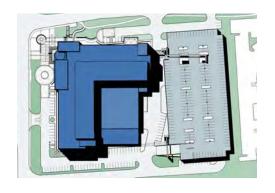
Serving as Canon's Western Regional Corporate Headquarters, this building makes a strong gesture to the urban context by creating a garden plaza at the North First St. and River Oaks corner. A high bay clean room is nested within this three story structure and serves as Canon's training and repair facility.



- Extensive study of public transit, pedestrian and vehicular access due to the site's proximity to light rail.
- Designing custom laser curtains to accommodate class 4 laser operations in the high bay clean room.
- Developing solutions to satisfy flood plain zoning requirements.
- Negotiating with the City of San Jose to increase site density exceeding zoning requirements.

Program Elements:

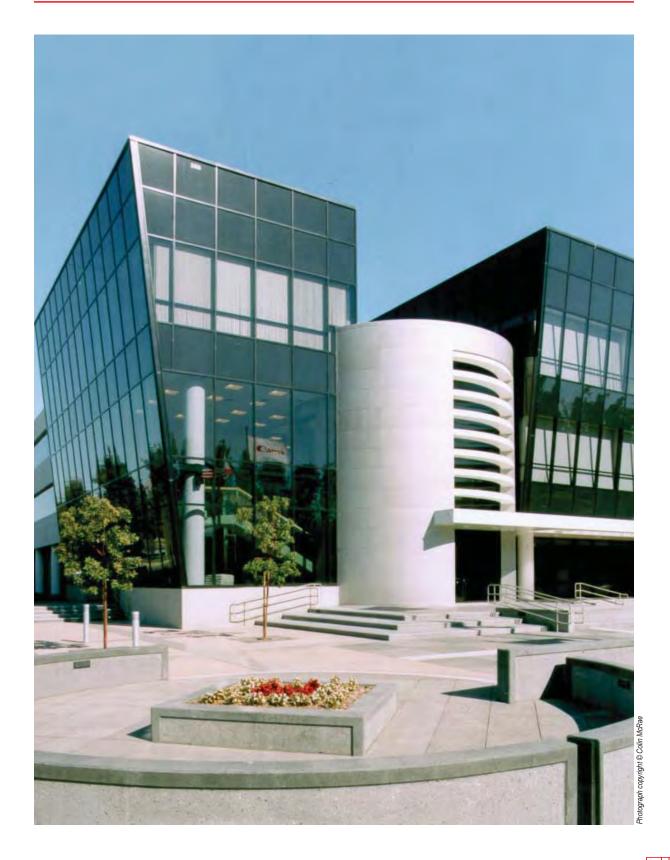
Executive and Administrative Offices Board Room / Meeting Rooms Employee and Visitor Dining Training Classrooms High-Bay Clean Room (Class 100) Two-Story Parking Garage



















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Dupont Fabros

Data Center Master Planning & Building Design Santa Clara, CA

CAS, as the Architect of Record for this project designed by Virginia architecture firm DVA Architects, negotiated code and design issues with the governing agencies to meet the 2007 ICC/CBC code. This building is one of the largest data centers in Santa Clara, a 260,000 SF footprint with a large mechanical mezzanine and several exterior service support yards.



- Designed to meet LEED Gold Certification standards, incorporating a cool roof, triple glazed glass, and fully insulated precast concrete wall panels.
- The site will have its own substation, as a joint venture with Silicon Valley Power.



High Security Data Center Office Space Network Operations Center

















FormFactor Campus - Building 1

Technical Manufacturing - Microelectronics Master Planning & Building Design Livermore, CA

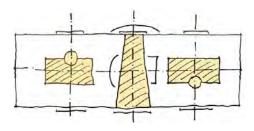
As the corporate headquarters, the building's interior design conveys the company's vision. This four building campus brought multiple work groups, previously housed on separate sites, together for the first time.

Project Highlights:

- · Private and open offices were located around several "gathering" spaces, promoting interaction.
- Skylights were introduced at each node to bring in natural light.

Program Elements:

Main Campus Lobby **Executive Offices** Boardroom Training/Demonstration Rooms Data Center Break Room















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Photograph copyright © Image Center







Photograph copyright © Image Center



FormFactor Campus - Building 2

Technical Manufacturing - Microelectronics Master Planning & Building Design Livermore, CA

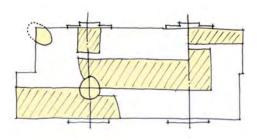
Within the tilt-up concrete shell, CAS designed dynamic spaces with bold colors and textures that are filled with an abundance of natural light creating a stimulating environment.

Project Highlights:

- The floor plan was designed to allow natural light deep into the floor plate with floating ceiling bouncing indirect lighting down to workstations below.
- The cafeteria is a focal point of the building; an interaction space where employees from various buildings can come together.



R&D Offices Cafeteria Fitness Center Outdoor Patio









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Photograph copyright © Image Center





FormFactor Campus - Building 3

Technical Manufacturing - Microelectronics Master Planning & Building Design Livermore, CA

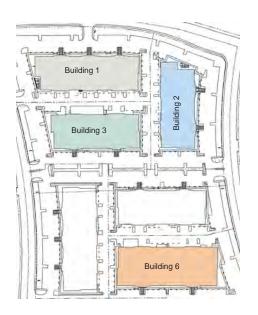
One of our four buildings on a new corporate campus site, this 38,000 square foot building houses research and development activities for the company, including clean room environments and support spaces.

Project Highlights:

- · Glazing was provided to allow visitors views into Class 100 and 1000 clean rooms without having to gown up.
- · The structural system was upgraded to meet a safety factor of 1.25.
- · CAS met extensively with the City of Livermore to solve several planning & occupancy issues that can develop in a project of this complexity.

Program Elements:

Clean Room Environments Support Technical Spaces R&D Offices and Support Spaces













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FormFactor Campus - Building 6

Technical Manufacturing - Microelectronics Master Planning & Building Design Livermore, CA

One of our four buildings on a new corporate campus site, this 49,700 square foot building houses research and development laboratories, including clean room environments, offices, and support spaces.

Project Highlights:

- Glazing was provided to allow visitors views into Class 100 and 1000 clean rooms without having to gown up.
- The structural system was upgraded to meet a safety factor of 1.25.
- A large interstitial space was created to house process piping, air handling units, and electrical to support clean rooms functions.

Program Elements:

Clean Room Environments Support Technical Spaces R&D Labs, Offices, and Support Spaces











Komag, Inc.

Technical Manufacturing - Microelectronics Master Planning & Building Design San Jose, CA

CAS provided master planning and design services for Komag's three-building, corporate campus totaling 492,000 square feet. The campus houses facilities for their corporate headquarters, manufacturing and R&D.

Project Highlights:

- · With a street running through the campus, site elements such as landscape walls, canopies and covered walkways establish the buildings' campus relationship to one another.
- Site amenities include a full-service cafe, a circular grass plaza that hosts corporate events and trade shows and a recreational par-course.

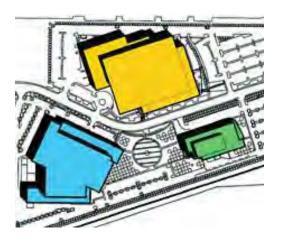
Program Elements:

Clean-Room Production R&D Laboratories & Testing Process Utility Service Yard Corporate Cafeteria Corporate Administration

















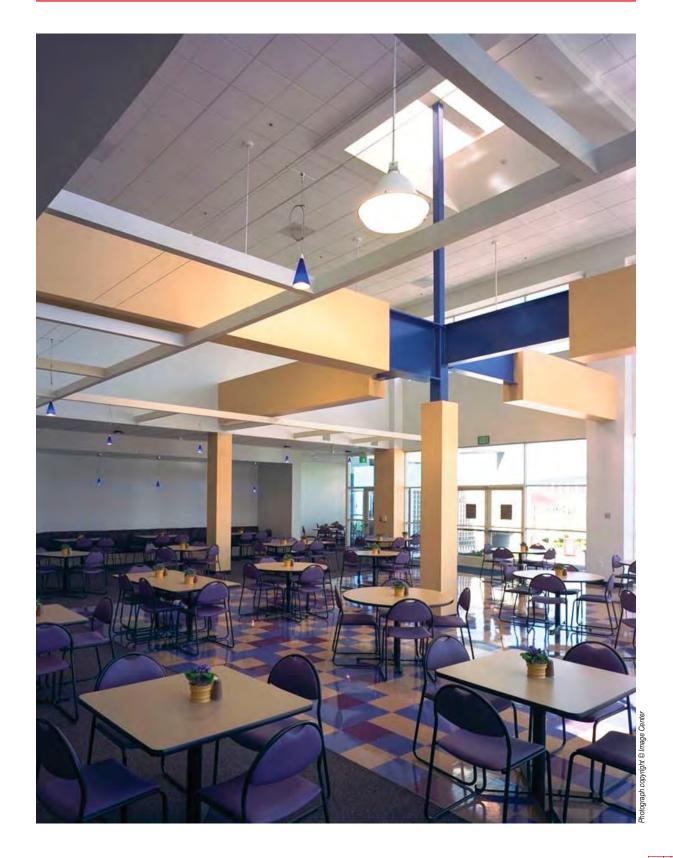
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NanoSolar

Technical Manufacturing - Alternative Energy **Building Renovation** San Jose, CA

This project is an 85,000 square foot initial phase build-out. Following this phase will be several expansion phases that will result in a stateof-the-art 201,000 square foot facility housing manufacturing, research and development, corporate administration and amenity spaces.

Project Highlights:

- · Development of phased construction schedules.
- · Develop strategies for facility renewable energy use.

Program Elements:

Manufacturing R&D Labs **Product Testing** Offices

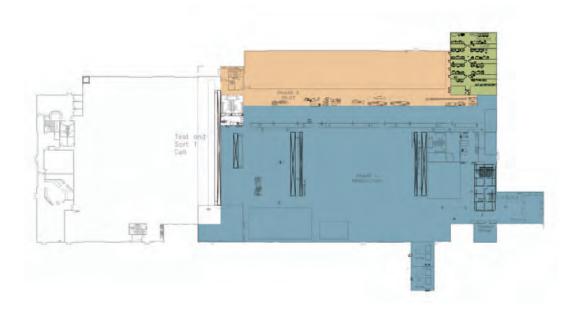






















Net.com

Technical Manufacturing - Microelectronics Master Planning & Building Design Fremont, CA

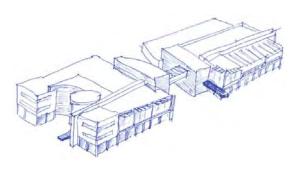
Located on an 8.7 acre site, CAS was commissioned to design net.com's corporate facilities. The buildings were developed to work within the existing office park context but achieved a more contemporary appearance through massing, facade development and material articulation.



- · Maximizing the corner site orientation by developing a "U-shaped" floor plan with a three story entry Lobby.
- · Introduction of natural light deep into the building interior through the use of light wells and expansive, curtainwall windows.
- Design of a tree-lined, landscaped courtyard with central access to site amenities.
- · Utilization of cost-effective walls systems including metal panels, saw-cut & split-face concrete black and EIFS.

Program Elements:

Executive and Administrative Offices Laboratories Coporate Business Center **Electronic Laboratories** Network System Manufacturing Fitness Center Cafeterial with Roof Terrace Training and Video Conference Room



















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Synaptics

Technical Manufacturing Master Planning & Building Renovation San Jose, CA

CAS provided design services to move Synaptics into its new 150,000 SF three building campus. The interiors and exteriors of each of the buildings were renovated to reflect the company's corporate culture.

Project Highlights:

- An open air arcade connects two buildings and continues to the nearest public transit stop across the street
- The dated exterior received a facelift with new finishes and reconfigured entrances to create a better flow into the buildings.
- Skylights were added to provide interiors with natural light and reduce electrical loads

Program Elements:

Executive Briefing Center Lobby Cafeteria Fitness Center R&D Laboratories Board Room Auditorium Site Amenities

























Ultratech Stepper

Technical Manufacturing - Microelectronics **Building Renovation** San Jose, CA

Although serving as Ultratech Stepper's main headquarters, this two-story building also houses approximately 93,000 square feet of Stepper manufacturing space.

Project Highlights:

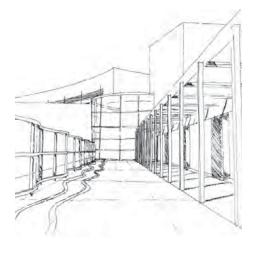
- · Sculptural wall elements provide a sense of utility for the sales/marketing division, while defining the area as separate from the surrounding open office area.
- Color accent bands give scale to the space and create a sense of unity for this department.
- · Yellow glazing along the circulation protects the light sensitive stepper manufacturing process.
- Shrouds were created around the large chambers to conceal services in the Class 10,000 space.

Program Elements:

Lobby **Executive Offices** Sales/Marketing Division Conference Rooms Stepper Manufacturing Facilities

















Underwriters Laboratories

Commercial Office Building Renovation San Jose, CA

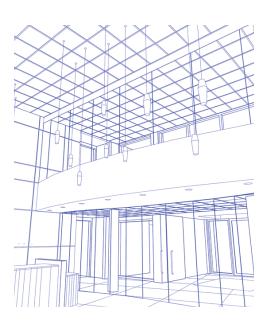
The 1940's facility was completely remodeled to reflect Underwriters Laboratories' need for an updated, corporate environment. Open and interactive work areas with direct and indirect sunlight were designed to invigorate existing dark, windowless spaces.

Project Highlights:

- Implementation of a visitor's area within the two-story lobby to service clients submitting for UL testing.
- Creating a stronger visual connection of the two buildings by introducing a curved glass canopy structure.

Program Elements:

Exterior Entry Facade Upgrade Two-Story Lobby Visitor's Area Open Office and Support Spaces Training Facilities













Photograph copyright



Western Digital

Technical Manufacturing - Microelectronics Building Renovation Mountain View, CA

This building serves as the hub for Western Digital's software engineering group. It is a mix of private offices and cubicles with several informal breakout spaces scattered throughout to accommodate impromtu meetings. Successfully balancing the project's programmatic requirements and Western Digital's redefined corporate culture, CAS created an environment that fosters collaboration, creativity, and a sense of community.

Project Highlights:

- The floor plan was anchored by a central communal flex space where employees can schedule department meetings, eat lunch, or hold brainstorming sessions.
- Various artificial light sources were integrated into the space to counter balance the minimal amount of natural light on the south and west sides of the building.

Program Elements:

Employee & Customer Conference Rooms Breakroom/Game Room Offices Breakout/Collaboration spaces













Boardrooms/Presentation Rooms

Boardrooms are about formality. The ceiling, walls, lighting, furniture, and methods of presentation combine to provide an effective environment, whether for group meetings or presentations to potential clients. Integrating audio/visual equipment in a cost-effective manner is crucial to the success of these spaces.



CAS Office



Confidential Client



Synaptics



Synaptics





Corporate Cafeterias

In addition to providing various levels of food service, Corporate Cafeterias afford opportunities for social events and day-to-day interaction among employees. Views and access to the exterior, natural day light and an architecture that promotes interaction are key aspects to a successful corporate dining facility.





FormFactor







net.com



Corporate Lobbies

A lobby provides insight into a company's corporate culture. It heralds the rest of the building. The location of the reception area, seating and access to the building all give visitors and employees clues about how the building works as a whole.







AboveNet Communications, Inc.



CAS Office



Synaptics





Office Environments

The central issue in workspace design is determining how to provide a mix of private and open workspaces with a complement of conference rooms in varying sizes. The resolution of this issue ultimately becomes the theme for the design of any office space. Introducing natural light and creating informal spaces for employees to meet and exchange ideas is also important in establishing the design.







Rudolph & Sletten



Pain Therapeutics, Inc.



Westeren Digital





Technical Spaces

At CAS, we understand the requirements for development/ testing labs and data centers. We know that issues of adjacency, access and control must be resolved so that the work flow/process of the business is reflected in the design of the facility. Systems Support (back-up power and redundancy) is also a vital factor in maintaining a productive, profitable operation.



Formfactor



Ultratech Stepper



Olympus Technologies America, Inc.



AboveNet Communications, Inc.



Urban Revitalization

CAS provided architectural design services on several buildings for the City of San Jose Redevelopment Agency. The work was part of the Facade Improvement Program (FIP) for the Neighborhood & Industrial Development & Downtown Management Divisions.

In each project, the building designs respond to elements of the adjacent architectural context. CAS has been involved with similar projects in the City of Mountain View's downtown.



Carr, 701 W. Evelyn



Meyer Appliance



Pauline Books & Media



Retail Facade Upgrade





Cepheid Sunnyvale, CA



Life Science
Building Renovation
Size: 50000 SF
Cost: \$ 5,750,000

FormFactor, Inc. Livermore, CA



Technical Manufacturing-Microelectronics Master Planning & Building Design Bldg. 1 - 47,000 SF, \$6 million Bldg. 2 - 38,000 SF, \$5 million Bldg. 3 - 38,000 SF, \$15 million

Bldg. 6 - 50,000 SF, \$17 million

Meyer Appliance Mountain View, CA



Retail/Mixed Use Building Renovation Size: 10,000 SF Cost: \$3 million

National Hispanic University
San Jose, CA



Educational/University
Master Planning & Building Design
Size: 10.5 acres, 65,000 SF Academic Bldg.
Cost: \$10 million

net.com Fremont, CA



Technical Manufacturing-Microelectronics Master Planning & Building Design Size: Bldg.1 - 95,000 SF

Bldg. 2 - 85,000 SF 9-acre, Two Building Campus Cost: \$11.5 million Shell and Site Constr. \$18.5 million Tenant Improvements

Pain TheraputicsSouth San Francisco, CA



Life Sciences-Pharmaceutical Building Renovation Size: 10,000 SF Cost: \$1.25 million

Project Experience

Rudolph & Sletten Redwood City, CA



Commercial Office Building Renovation *LEED CI Gold* Size: 39,400 SF Cost: \$4.6 million

Stanford University

Children's Research Laboratory
Department of Surgery
School of Medicine



Educational/University
Building Design
2002 Merit Award Winner - AIASCV
Size: 12,500 SF

Size: 12,500 SF Cost: \$5.7 million

Stanford University Y2E2

Environment & Energy Building
School of Engineering



Educational/University Laboratory Design

Size: Laboratory Space - 30,000 SF Total Building - 166,500 SF

Cost: \$80 million

Star One Credit Union Northern California



Financial Institution
Building Renovation
Palo Alto Branch - 6,400 SF, \$1.3 million
San Jose Branch - 5,000 SF, \$550,000

Western Digital Mountain View, CA



Commercial Office Building Renovation Size: 40,000 SF

Cost: \$3 million

Z Restaurant Los Altos, CA



Restaurant Building Renovation Size: 7,000 SF Cost: \$ 350,000



Adaptec

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Mike Hawkins, Facilities Director 408.543.1603

Canon USA, Inc.

Ellen St. John, Office Director 408.468.2300

FormFactor

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net.com, Fremont