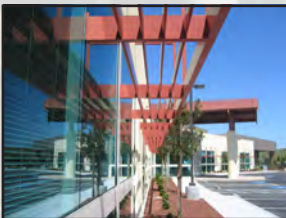




Statement of Qualifications

General





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**

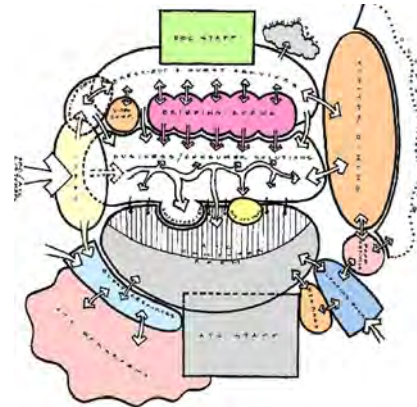
- Tenant Improvement Design
- Programming and Planning Growth
- Finish and Materials Selection and Specification
- Furnishings Selection and Specification
- Artwork Coordination
- Signage Programs
- Custom Millwork Design
- Custom Furniture Design

- **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



Canon USA, Inc.

- **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
- Parcours
- 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 Cloud services and online collaboration 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
Member of ISPE

Gary J. Aquilina, AIA

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

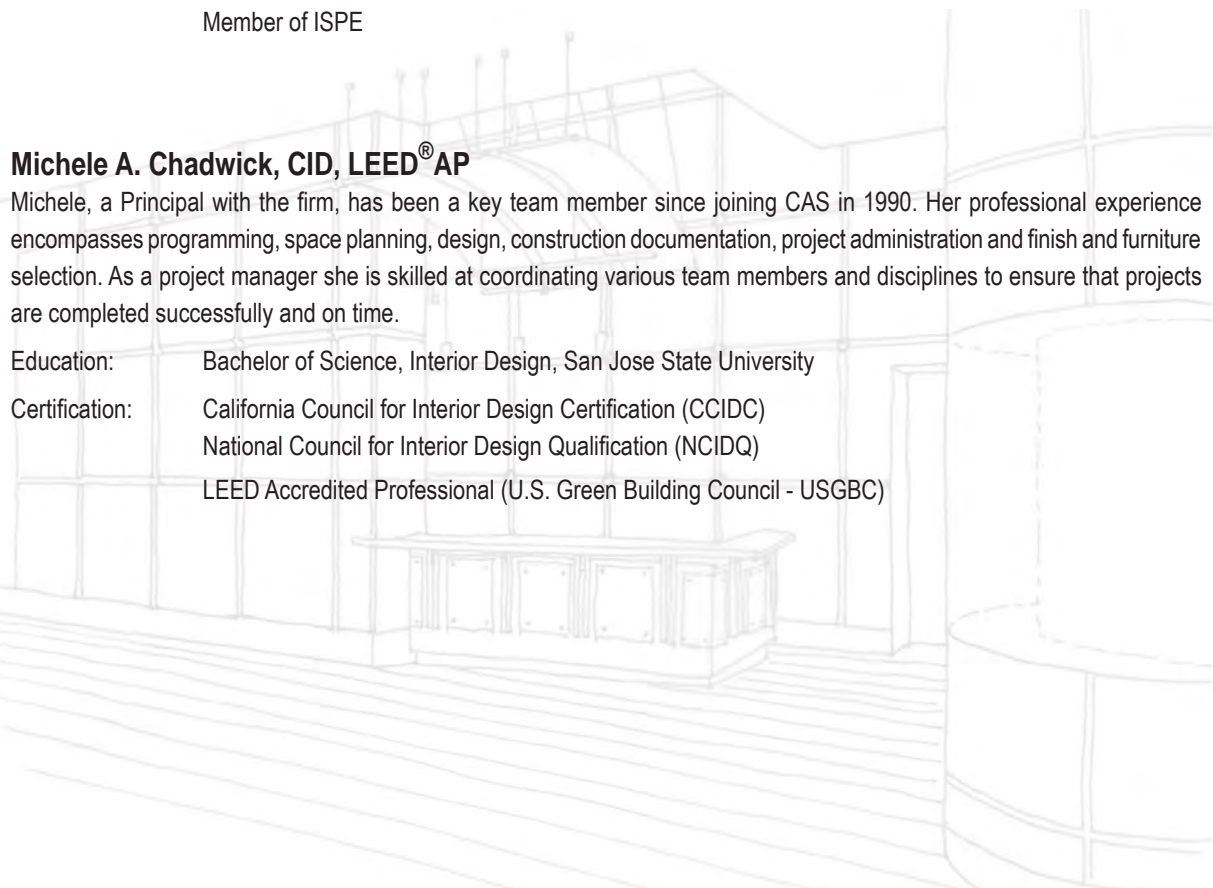
Registration: California, Arizona, Utah, Washington
National Council of Architectural Registration (NCARB)
Member of ISPE

Michele A. Chadwick, CID, LEED® AP

Michele, a Principal 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)





Richard A. Smith, AIA

As a Principal, Richard 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

Brooke L. Simons

As Principal, Brooke leverages her strong organizational skills and commitment to customer service, making her a major asset to every project. Brooke's experience includes designing technical spaces, including lab space planning and equipment coordination, product specifications, 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 retired Founding Partner 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. 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





Stanford University Shriram Center Bioengineering & Chemical Engineering

Educational/University
Laboratory Design
Stanford, CA

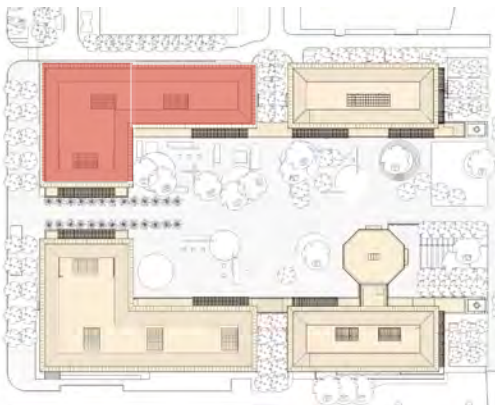
CAS provided the laboratory design for the final building in the \$400 million SEQ2 complex. The five story building houses twenty-eight research laboratories for biology, chemistry, and computational types of research and shared support facilities for imaging, fabrication shop, and specialized equipment. CAS also provided laboratory design services for the other two lab buildings within the complex, Y2E2 and the Spilker Engineering & Applied Sciences Building.

Project Highlights:

- Develop a design that intertwines different types of labs to encourage collaborative learning.
- Light and views from the full-building atriums integrated into the lab design.

Program Elements:

210,000 SF Research Laboratory Building
Biology, Chemistry, & Optics Teaching Labs
Tissue Culture Labs (BSL 1, 2, and 2+)



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Project Experience



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BioMed Reality Trust - Eccles

Life Sciences

Master Planning & Building Design

South San Francisco, CA

Located in the heart of the Bay Area's biotech community, the design is a site development for a 265,000 sf, R&D life sciences campus. The project is currently in the City Planning Approval phase.

Project Highlights:

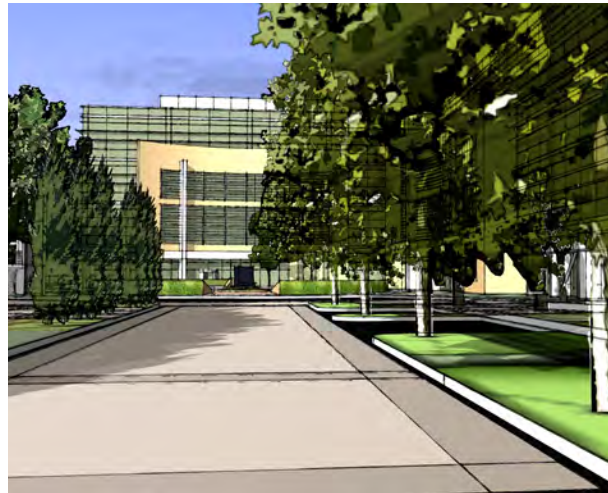
- All buildings are organized around a central, circular plaza with a small court space between the two lab/office buildings.
- The plaza consists of walkways, gardens and a water feature.
- Service operations are located along the site's perimeter road.
- R&D buildings are designed to express the elements housing labs and offices as well as the service and infrastructure components.
- Exterior balconies provide elevated views around the site.

Program Elements:

Two, 4-story Lab and Office Building Shells

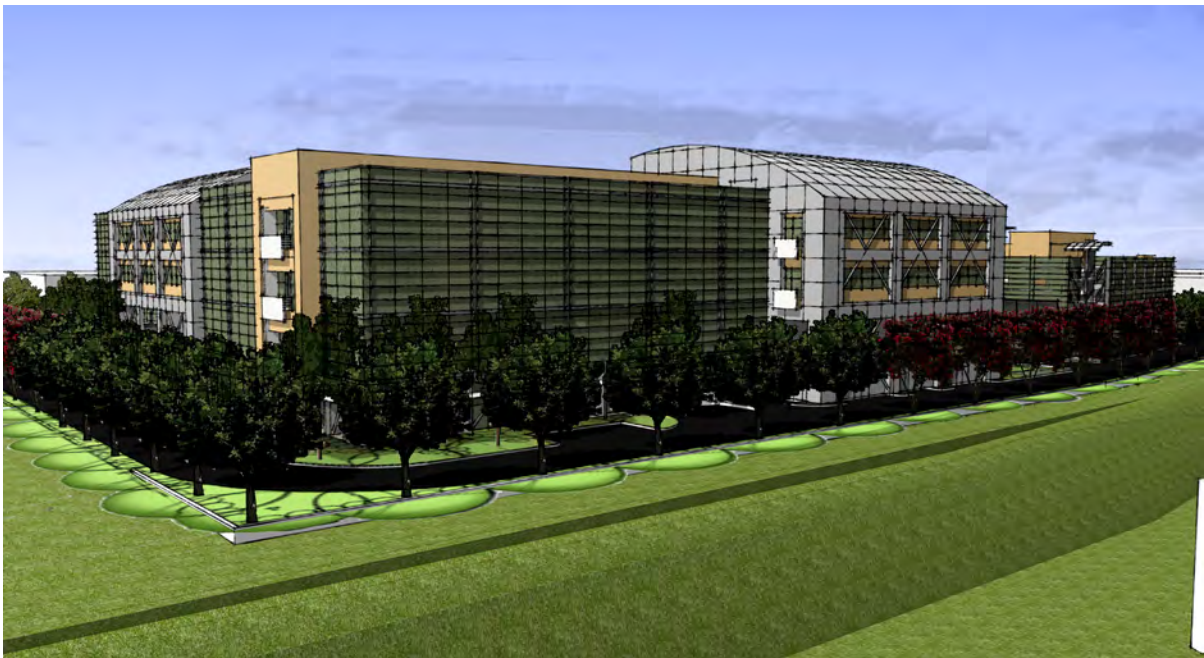
Integral Service Yard

5-story Parking Garage











Cepheid

Life Sciences - Device Technology
Building Renovation and Laboratory Design
Sunnyvale, CA

Based in Sunnyvale, Cepheid is a biotech company developing and assembling fully integrated portable instruments that can be used to quickly detect infectious disease agents, human genes and contaminants. This 75,000 SF R&D Headquarters building was extensively remodeled and is the fifth building CAS has completed for Cepheid.

Project Highlights:

- Introduction of direct and borrowed natural light into labs.
- Multi-functional dining, break-out and presentation space to support various functions.

Program Elements:

Microbiology Suite
Lyo/ Dry Rooms
Development Lab
Detection Lab
Chemical Storage
Office and Office Support



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Confidential Internet Client

Commercial Office
Building Renovation
Mountain View, CA

CAS provided design services to renovate an existing office space into an upscale executive lounge, conference room and private offices.

Project Highlights:

- Create a new open lounge area and meeting rooms for sales executives to present and meet with customers.
- Existing dropped ceilings were removed to create tall volume spaces with exposed building structure.
- Various types of lighting fixtures help define the open spaces including suspended vertical light elements that form a wall lounge and circulation paths.

Program Elements:

Executive Open & Private Lounges
Conference Rooms
Open and Private Offices
Restroom Upgrades





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Project Experience



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FormFactor

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:

Executive Offices
Boardroom
Training/Demonstration Rooms
Data Center
Cafeteria
Fitness Center
R&D Laboratories
Manufacturing Facility



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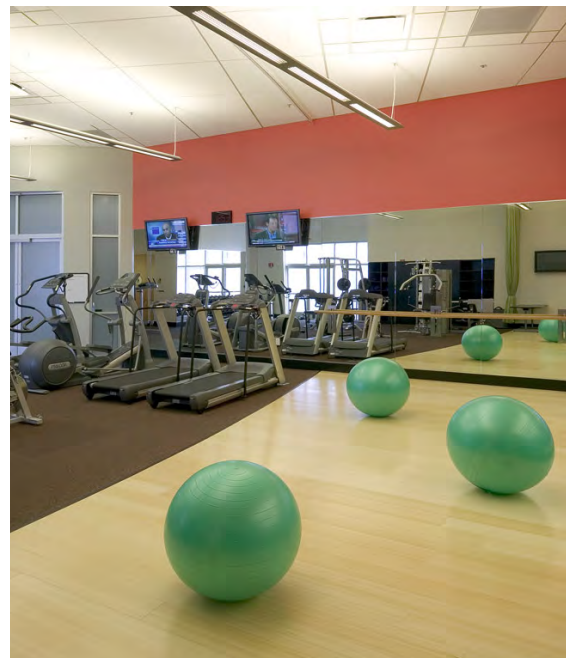


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Project Experience





Global Village Cafe

Restaurant
Building Renovation
Mountain View, CA

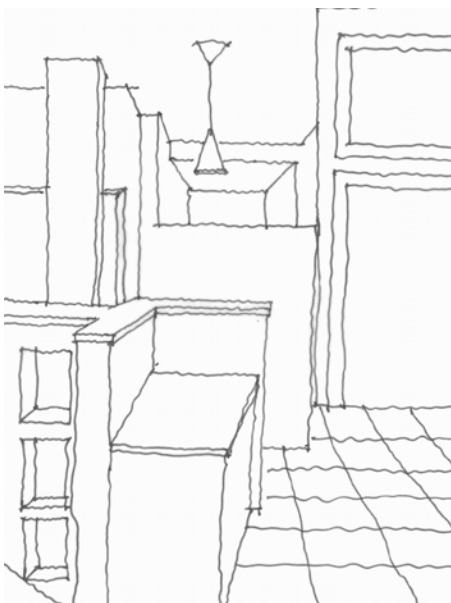
Designed and constructed with a limited budget, this 75-seat cafe offers three dining environments; Asian, European and Middle Eastern within one unified space. Pillow seating as well as table dining is provided along with a full-service bar.

Project Highlights:

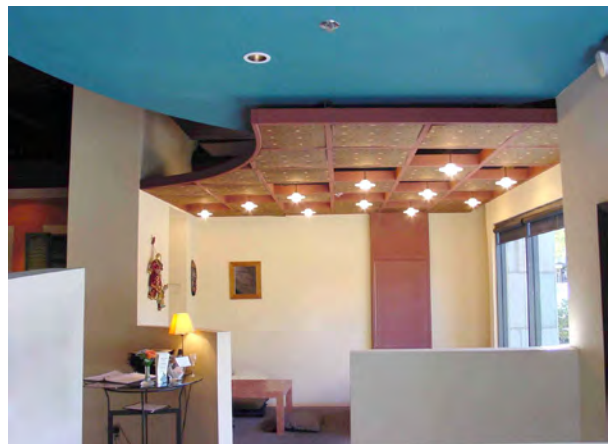
- Various ceiling elements were used to visually separate each unique, dining zone.
- The juxtaposition of features such as low height walls and a raised area for pillow seating further defines each seating environment.
- Wall treatments such as textured paint, faux finishing and trompe- l'oeil were introduced to enhance the brick-faced walls running the length of the restaurant.

Program Elements:

Dining Area
Full Service Bar
Kitchen



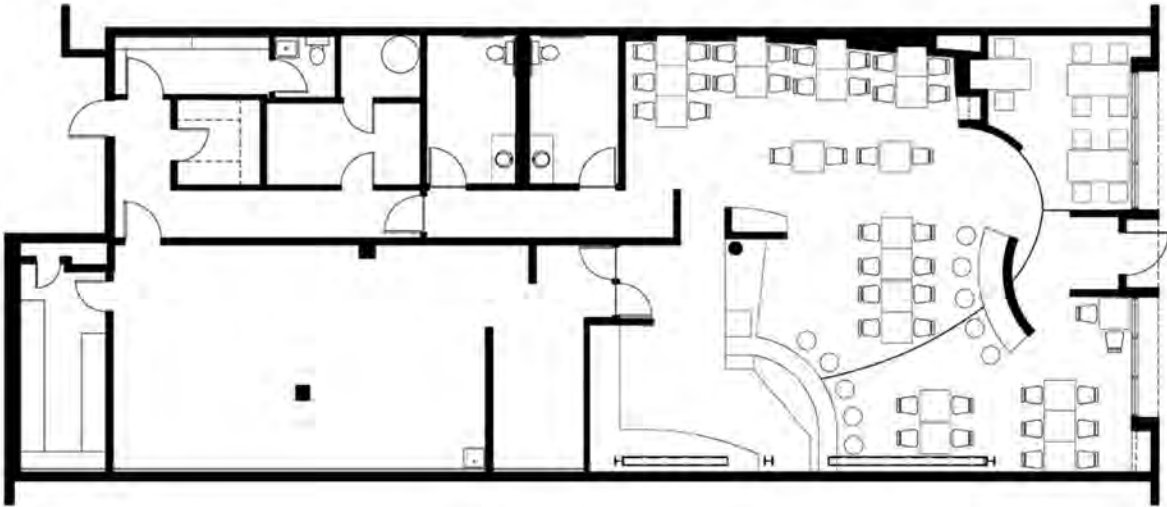
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Infinera

Technical Manufacturing - Microelectronics
Building Renovation
Sunnyvale, CA

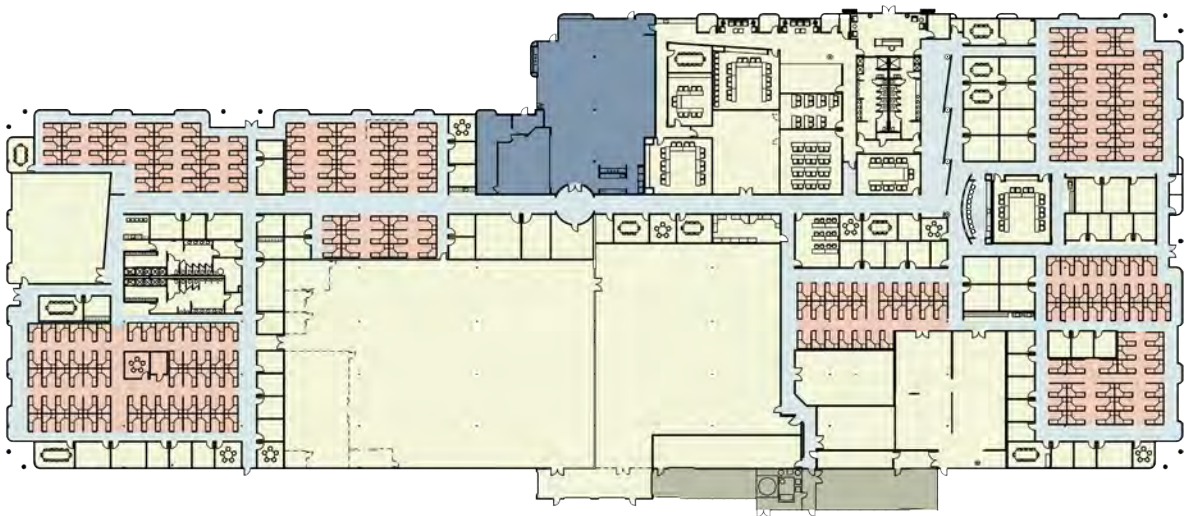
Manufacturers of digital optical networking products, Infinera's corporate headquarters was completely redesigned to better support executive/ customer functions and to unify the various employee spaces by implementing a "main-street" circulation/ interaction route running the entire length of the building.

Project Highlights:

- Exterior facade remodel to expand Lobby and maximize natural light.
- Development of corporate standards for employee and customer environments.
- Designed to equivalent achievement of LEED Certified Level.

Program Elements:

Executive briefing center
Customer demo center
Executive conference room
Offices and support spaces
Fitness center
Training rooms



Project Experience





Local 38 - Joseph P. Mazzola Training Center

Educational/Union
Building Renovation
San Francisco, CA
LEED CI Silver

Local 38 commissioned CAS to convert an existing, multi-tenant office building into a "state of the art" training facility for their apprenticeship program. This 36,000 SF building consists of a basement and two floors.

Project Highlights:

- Complete upgrade of the building envelope, including stucco refacing, exterior windows and redesign of the building entrance.
- Extensive structural upgrades to the building.
- Completely new mechanical, electrical, and AFS systems.
- Exterior rigging structure and crane for certification classes.
- New site landscaping utilizing water efficient plant and irrigation.

Program Elements:

Training Classrooms & Laboratories
Instructional Trade Shops
Instructor Support Spaces
Student Lounge
Administrative Offices



Before

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After

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Project Experience



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Project Experience



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Meyer Appliance

Retail/Mixed Use
Building Renovation
Mountain View, CA

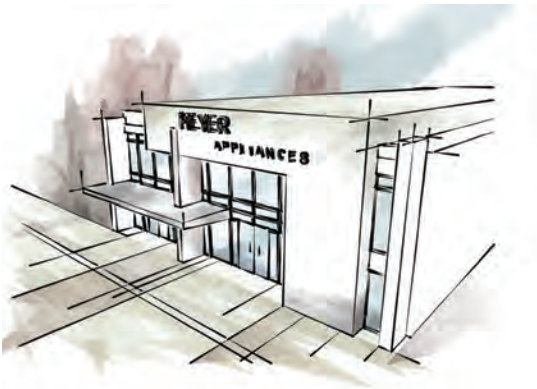
The Meyer Appliance building, dating from the 1940's, is one of the oldest retail stores in downtown Mountain View. Analyzing the building to determine the best use for the existing structure, CAS designed a mixed-use occupancy with retail and office space. The new renovation provides street level space for retail or restaurant uses as well as upper level office space. This conforms to the city's plan of creating a lively pedestrian spine along Castro Street, supporting a diverse and attractive commercial district with a distinctive sense of place.

Project Highlights:

- Variations in material and scale, clear articulation, and richness of detail offer pedestrians an interesting visual experience.
- Retrofitting the structure for seismic compliance was challenging due to the addition of two new escalators, a stairwell, and an elevator.
- A second floor was added into the two-story high space, doubling the leaseable area within the building.

Program Elements:

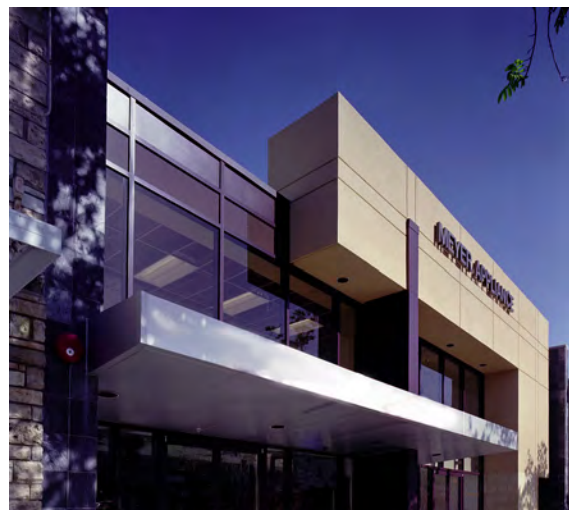
Retail Offices
Retail Showrooms
Multiple Tenant Offices



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Before



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Project Experience



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National Hispanic University

Educational/University
Master Planning & Building Design
San Jose, CA

CAS provided the master plan and site design services for the National Hispanic University 10.5 acre campus in the South San Jose. We also developed the Architectural design for the first 65,000 SF academic building.

Project Highlights:

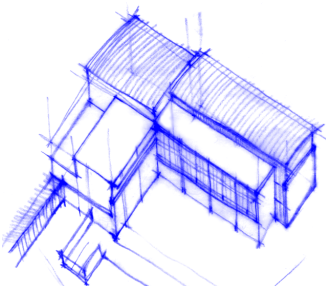
- The building was designed as two separate wings, forming a "L"-shaped structure that segregated the buildings two functions (teaching and administrative).
- The two wings were connected by an internal, three-story central atrium.
- The atrium was positioned on the corner of the site in an axila arrangement linking the main campus gateway with the campus common green.

Campus Elements:

Academic and Administrative Buildings
Main Campus Entry and Gateway
Campus Common Green and Main Plaza
Vehicular Parking Areas

Program Elements:

Teaching Classrooms
Library
Academic Assistance Center
Computer Laboratory
Science Laboratories
Facility and Administrative Offices



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Site Plan copyright © Reed Associates

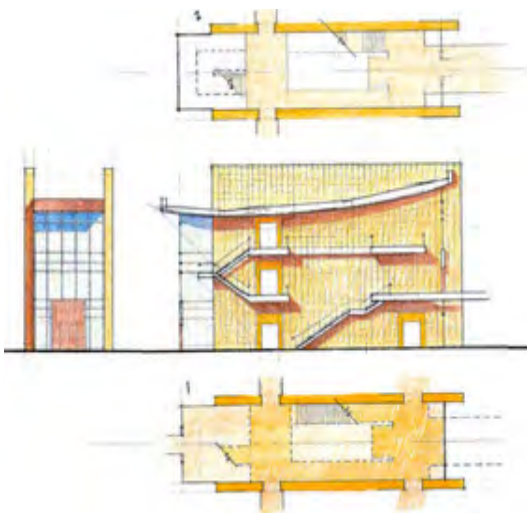


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Project Experience



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Net.com

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

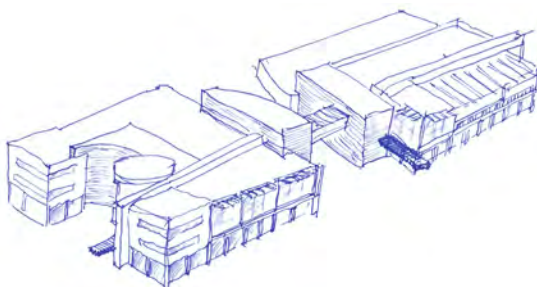
Located on an 8.7 acre site, CAS was commissioned to design net.com's corporate facilities. The buildings were developed to work within the existing office park context but achieved a more contemporary appearance through massing, facade development and material articulation.

Project Highlights:

- 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
Corporate Business Center
Electronic Laboratories
Network System Manufacturing
Fitness Center
Cafeteria with Roof Terrace
Training and Video Conference Room



Project Experience



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Project Experience



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Rudolph & Sletten

Commercial Office
Building Renovation
Redwood City, CA
LEED ID+C

R&S commissioned CAS to design its Corporate Headquarters. The company's previous location was a non-descript office environment lacking architectural character. This condition provided the impetus for R&S's desire for CAS to design an imaginative space that showcases its history in the construction industry while exposing, in a creative, expressive manner, the very same interior finish systems they handle everyday.

Project Highlights:

- Natural light penetrates deep into the space through a series of fully glazed walls.
- Materials were reused and reconfigured to be incorporated into the sustainable design.
- Architectural finishes, such as leather and polished stainless steel, add richness and interest to the space.
- Project team was successful in meeting the fast paced construction schedule.
- This interior environment received certification for LEED ID+C Standards and is a showcase example of sustainable design.

Program Elements:

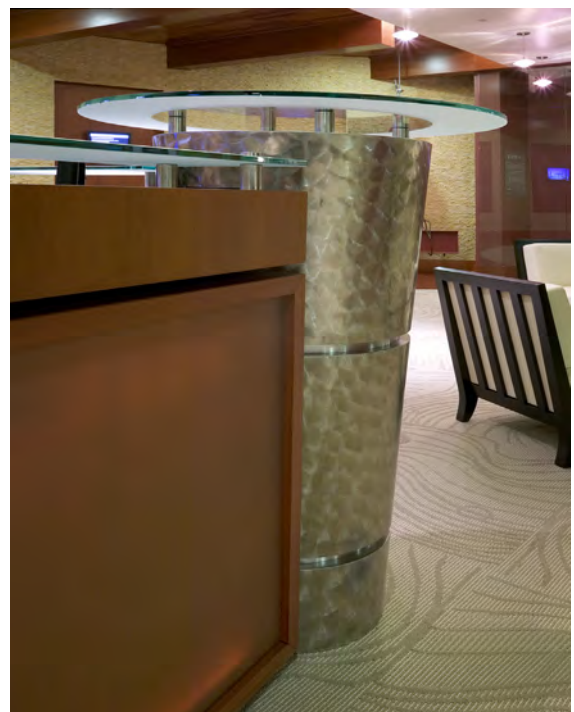
Executive Offices
Conference Rooms
Training Rooms
IT Helpdesk/Server Room
Plan Rooms



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Project Experience





Stanford University Y2E2 Environment + Energy Building

Educational/University
Laboratory Design
Stanford, CA

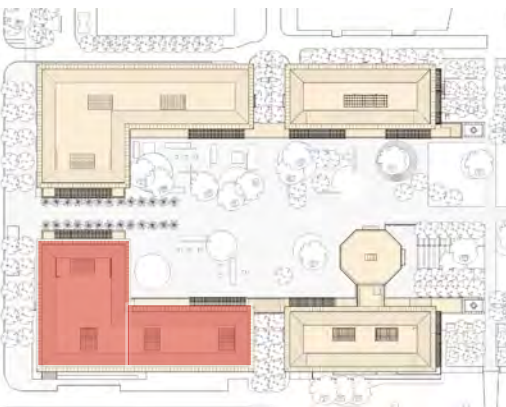
CAS provided the laboratory design for the first of four buildings in the \$200 million SEQ2 complex. Spaces were shaped to accommodate specific program needs that varied from large-scale fluid mechanics to biologically based soil and plant testing facilities, as well as materials testing spaces and traditional wet laboratories.

Project Highlights:

- Three major laboratory environments with different requirements, with space created for each.
- Proximity of labs and different faculties encourages cross-discipline interaction.
- Light and views from the full-building atriums integrated into the lab design.
- Office mezzanines provide workspaces close to the laboratories.

Program Elements:

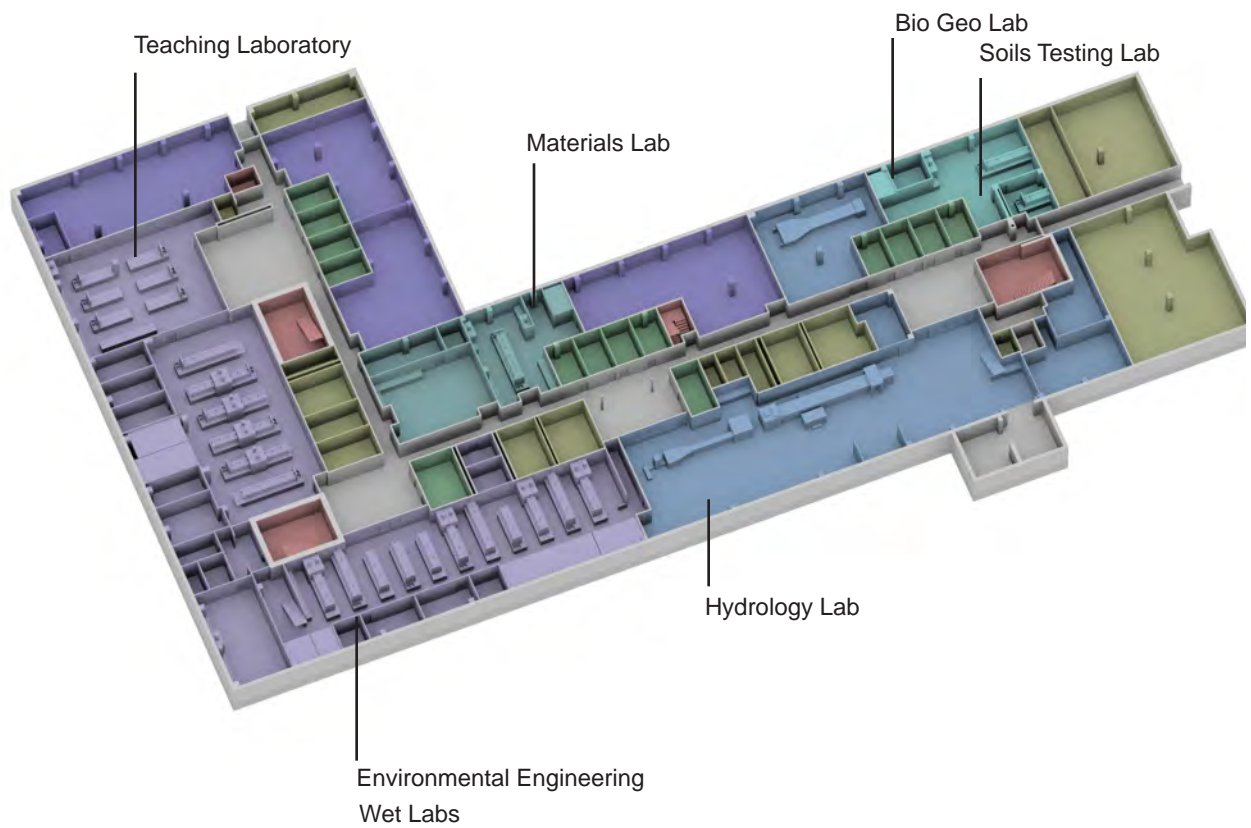
Teaching Laboratories
Hydrology Lab
Wet Lab
Materials Lab
Lab Equipment Rooms





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Star One Credit Union

Financial Institution
Building Renovation
Palo Alto, CA
San Jose, CA
LEED CI Silver

Located in a highly visible area on El Camino Real in Palo Alto, CAS was asked to successfully mesh functional requirements such as customer flow and security protocols with a dynamic layout to create a unique banking experience.

Project Highlights:

- Design of a 8-station teller line.
- Integration of two ATM machines with the existing building facade.
- Development of exterior facade and landscape upgrades

Program Elements:

8-Station Customer Teller Line
Customer Platform Area
ATM/Vault Rooms
Conference Room



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Project Experience



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Project Experience



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Synaptics

Technical Manufacturing
Master Planning & Building Renovation
San Jose, CA

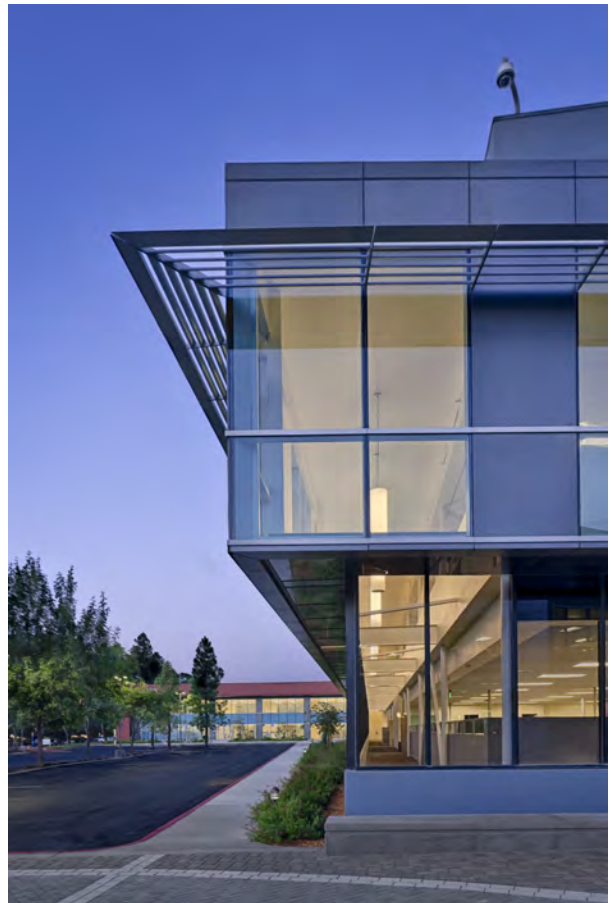
CAS provided design services to move Synaptics into its new 150,000 SF three building campus. The interiors and exteriors of each of the buildings were renovated to reflect the company's corporate culture.

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



Project Experience



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Project Experience





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 impromptu 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







Z Restaurant

Restaurant
Building Renovation
Los Altos, CA

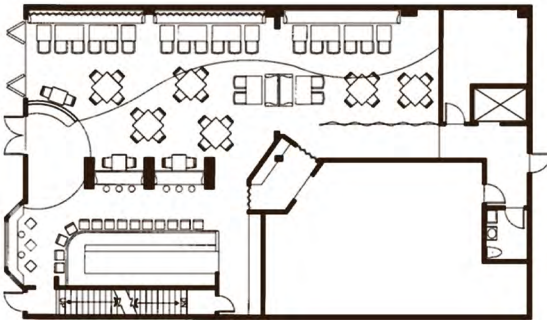
Previously a “bar & grill” style restaurant, this space was designed to capture Z Restaurant’s desire for intimacy and upscaled elegance. Furnishings, fixtures and finishes for seating, bar and banquet areas were designed with a distinct attention to detail.

Project Highlights:

- The vaulted ceiling and walls are draped in a rich black fabric, providing an elegant contrast against the white walls.
- Two balconies are located upstairs with tables overlooking the dining room.
- Along a wall opposite the bar, small seating areas provide a place to enjoy cocktails and private conversation.
- A lavish display case for specialty drinks and wines resides within the bar area.
- Custom furniture and furnishings reinforce the restaurant’s refined, dining ambience.

Program Elements:

Kitchen
Main Dining Area
Balcony
Small Intimate Seating Areas
Bar Area
Outdoor Dining Area



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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.



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CAS Office



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Confidential Client



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Cepheid



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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.



DoubleClick (formerly NetGravity)

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FormFactor

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Komag

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net.com

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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.



Rudolph & Sletten

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CAS Office

Photograph copyright © Image Center



Synaptics

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Cepheid

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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.



CAS Office

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Pain Therapeutics, Inc.

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Rudolph & Sletten

Photograph copyright © Image Center



Western Digital

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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

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Ultratech Stepper

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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



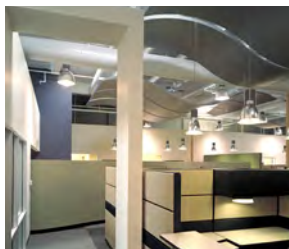
Educational/University
Master Planning & Building Design
Size: 10.5 acres, 65,000 SF Academic Bldg.
Cost: \$10 million

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 Therapeutics
South 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
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





References

Adaptec

Robert Kraiss, Director of Corporate Facilities & Real Estate
408.945.8600

Bloomenergy

Mike Hawkins, Facilities Director
408.543.1603

Canon USA, Inc.

Ellen St. John, Office Director
408.468.2300

FormFactor

Randy Havener, Director of Facilities
925.290.4525

Hathaway Dinwiddie Construction Co.

Rick Arnesen, Senior Project Manager
408.988.4200

Philips Lumileds Lighting Company

Bob Method, Worldwide Facilities Manager
408.964.2743

Pipe Trades Training Center Local 393

Carl Cimino, Director
408.453.6330

Rudolph & Sletten

Martin Sisemore, President & CEO
650.216.3600

Stanford University

Laura Goldstein, Director, Dept. of Project Management
650.725.0569

Star One Credit Union

Gary Rodrigues, Executive Vice President of Finance & Administration
408.543.5050

Western Digital Corporation

Arnie Hendrickson, Facilities Director
408.576.2103



net.com, Fremont

