

ARCHITECTURE & PLANNING

2649 3748

➔ **Miralles Associates, Inc.**

March 10, 1983

Southern California Rapid Transit District
Purchasing Agent
124 West Fourth Street
Los Angeles, California 90013

RE: REQUEST FOR LETTERS OF INTEREST AND STATEMENTS OF QUALIFICATION FOR
METRO RAIL CONTINUING PRELIMINARY ENGINEERING, SOUTHERN CALIFORNIA
RAPID TRANSIT DISTRICT

Gentlemen:

Miralles Associates Inc. is pleased to respond to your RFIQ and make offer of its professional services for design of a Metro Rail Station. The firm is especially interested in the Phase I Stations because of their location in hispanic areas and because of the firm's professional and civic involvement in this segment of Los Angeles.

Both the principals and key staff have worked on important projects in the area, including transportation planning.

The location of the firm's offices only minutes from downtown Los Angeles, a highly qualified staff, and previous experience with the Southern California Rapid Transit District, constitute some major assets of the firm. It is, however, the uniqueness of our combined team and of the proposed approach to this project that the firm would like to emphasize.

Miralles Associates would combine its design qualifications with:

- > Hunt and Company, consulting Architects and Engineers, experts in rapid transit station design to provide civil, structural, mechanical and electrical engineering and consultation on station design. Their involvement in the design of seven of the BART stations and three related feasibility studies will provide the team with the best possible support for this project.
- > Dora De Larios, the renown Los Angeles artist, as the proposed creator of a distinctive image of local flavor by means of her murals and art.
- > EDC, a Company with vast urban landscape design experience.



Southern California Rapid Transit District
Purchasing Agent
March 10, 1983
Page 2

The firm's approach to this project would be to take the District's pre-established elements and, with the aid of the consulting firms, create a highly functional but very exclusive environment. The stations will be with us for many decades and should reflect the District's willingness to incorporate the fine arts in the design of its public facilities. This must be achieved as an integral part of the design process, respecting functional, economical and maintenance concerns, but treating each element as a part of the total product in order to create the distinctive character intended for each particular station. It is understood that such efforts would be achieved in accordance with established District guidelines.

Miralles Associates, Inc. is confident that its own competence, the international artistic stature of Dora De Larios and the extensive rapid transit station experience of our consulting architects and engineers, Hunt and Company, will guarantee an outstanding design.

Sincerely,

MIRALLES ASSOCIATES, INC.

By



Adolfo E. Miralles, AIA, President

AEM/rk

The Project
Design Team

The Design Team is composed of two firms with large areas of responsibility. Miralles Associates, Inc., as prime contractor for the team, would provide overall project management and architectural design and production. Hunt and Company, a San Francisco based architectural and engineering firm, with offices in Irvine, California, would provide consulting architectural services relevant to transit facilities and all engineering services.

MIRALLES ASSOCIATES, INC. was founded in 1972 for the purpose of providing complete Architectural and Planning Services. The firm has performed these services for both private and governmental clients, placing emphasis on good design scheduling, quality and cost control. The Principals and Staff take pride in providing a superior service with sensitivity to the client's needs and environmental concerns.

MIRALLES ASSOC., INC.
Project Management
Architecture
Planning

The firm's staff has developed civic, educational and commercial designs, the largest of which are the programming for a ten million dollar Student Health Facility for the University of California at Los Angeles and a twenty million dollar special Medical High School for the Los Angeles Unified School District.

Services offered by the firm include: urban planning, master planning, space planning, energy and life cycle cost analysis, value engineering, fast tracking, construction management and turn-key capabilities.

Miralles Associates, Inc. is a certified Minority Business Enterprise and employs an average of fifteen employees including eight architects. Previous projects exhibit a variety of design expressions chosen to complement their environment and provide an appropriate aesthetic expression of the building's function.

Miralles Associates, Inc. brings to the project a unique combination of public and private project experience, direct community involvement in the hispanic areas of the City, and a proven track record of competent project management skills.

HUNT AND COMPANY
Consulting Architect
Mechanical, Civil &
Electrical Engineering

HUNT AND COMPANY, ARCHITECTS is a multidisciplinary firm with main offices in San Francisco, California. Successor to the firm of Kitchen and Hunt, Hunt and Company has provided professional design services to private industry, institutional and government clients for over thirty years.

Transit architecture differs from other types of architectural practice because in a transit project, there are a large range of design disciplines involved. Hunt and Company utilizes architectural personnel in a coordinating role to effectively manage the multidisciplinary team.

The firm's largest projects have included seven BART transit stations, the United Airlines Maintenance Operations Center, Eastman Kodak's Distribution Center, and facilities for the U.S. Navy, the U.S. Department of Energy, and NASA. Hunt and Company is a division of Kennedy/Jenks Engineers, a firm well known for work on large water and wastewater projects. After a successful association of twenty years, the firms merged in 1975.

Hunt and Company's role, in addition to detailed design, has included master planning, operations planning, work flow studies, space programming, systems engineering, and traffic studies.

Hunt and Company, Architects brings to the project the unique experience of having completed seven stations for the BART system and would provide design consultation services for architectural design and all engineering services.

The transit stations designed by Hunt and Company include both subway and elevated configurations. Their personnel is experienced in all critical aspects of station design, including conveyance systems, traffic flow and control, emergency exit provisions, ventilation, fire protection and lighting. Their previous station designs included a number of different finishes and materials.

ENVIRONMENTAL DESIGN CONSULTANTS is a Land Planning and Design organization specializing in Site Development Master Planning and Landscape Architectural Design.

ENVIRONMENTAL
LANDSCAPE ARCHITECT

With a team of professional landscape architects plus supporting architects and engineers, EDC has designed and supervised the construction of numerous governmental facilities, community and regional parks, hotels and recreational resorts, schools and college campuses, community civic centers and civic beautifications, and a wide variety of housing developments.

While the primary emphasis of services has been in the areas of physical master planning and facility design, EDC has increasingly entered related fields of endeavor, including the following: environmental impact reports, water conservation, rehabilitation projects, ecological studies, and maintenance programming.

As is proposed for this project, EDC oftentimes joins forces with other firms and individuals with specific areas of expertise to form a consortium tailored to meet the program needs.

One of the most important aspects of the design of an important public facility is the inclusion of appropriate art work as an integral part of the facility. The unique character of each neighborhood may be reflected in the commission of incorporated art works.

DORA DE LARIOS is one of the leading contemporary American clay artists. For twenty-five years, she has continued relentlessly to explore and develop her techniques and aesthetic achievements, resulting in an impressive list of accomplishments that range from architectural murals (up to 164 feet), industrial designs, figurative sculptures to dinnerware (Dora was one of 14 ceramists selected from the United States to make twelve place-settings for the White House in 1977.)

DORA DE LARIOS
Fine Arts

She has taught at the University of Southern California and the University of California at Los Angeles and at the same time has been actively engaged as an independent studio artist with an extensive list of one-person shows, invitational exhibitions, lectures and workshops to her credit.

In addition to the honor bestowed upon her by the White House, Los Angeles has also paid tribute to her work by making a gift of a De Larios ceramic tile wall to our sister-city, Nagoya, Japan.

**H.J. BRUNNIER ASSOC.
Structural Engineering**

H.J. BRUNNIER ASSOCIATES is the successor to the engineering office of H.J. Brunnier and has been in practice since 1903. All principals are licensed Civil and Structural Engineers.

The firm has an impressive history of imaginative, successful structural designs for a large variety of structures and building types, including two rapid transit stations for BART, several auditoriums and exhibit halls, parking structures, high-rise buildings, educational, industrial, commercial and airline facilities. These projects have been of a very diverse nature using different building materials best suited to the structure and the location, and have ranged from one-story wood office buildings to the 52-story Bank of America World Headquarters in San Francisco.

Underground structures include the Metropolitan Life Insurance Building, Sandia Laboratory, and the Masonic Temple with six floors below grade. Hunt and Company, Architects has worked with H.J. Brunnier Associates for over thirty years.

Team
Experience

ARCHITECTURE
& PLANNING

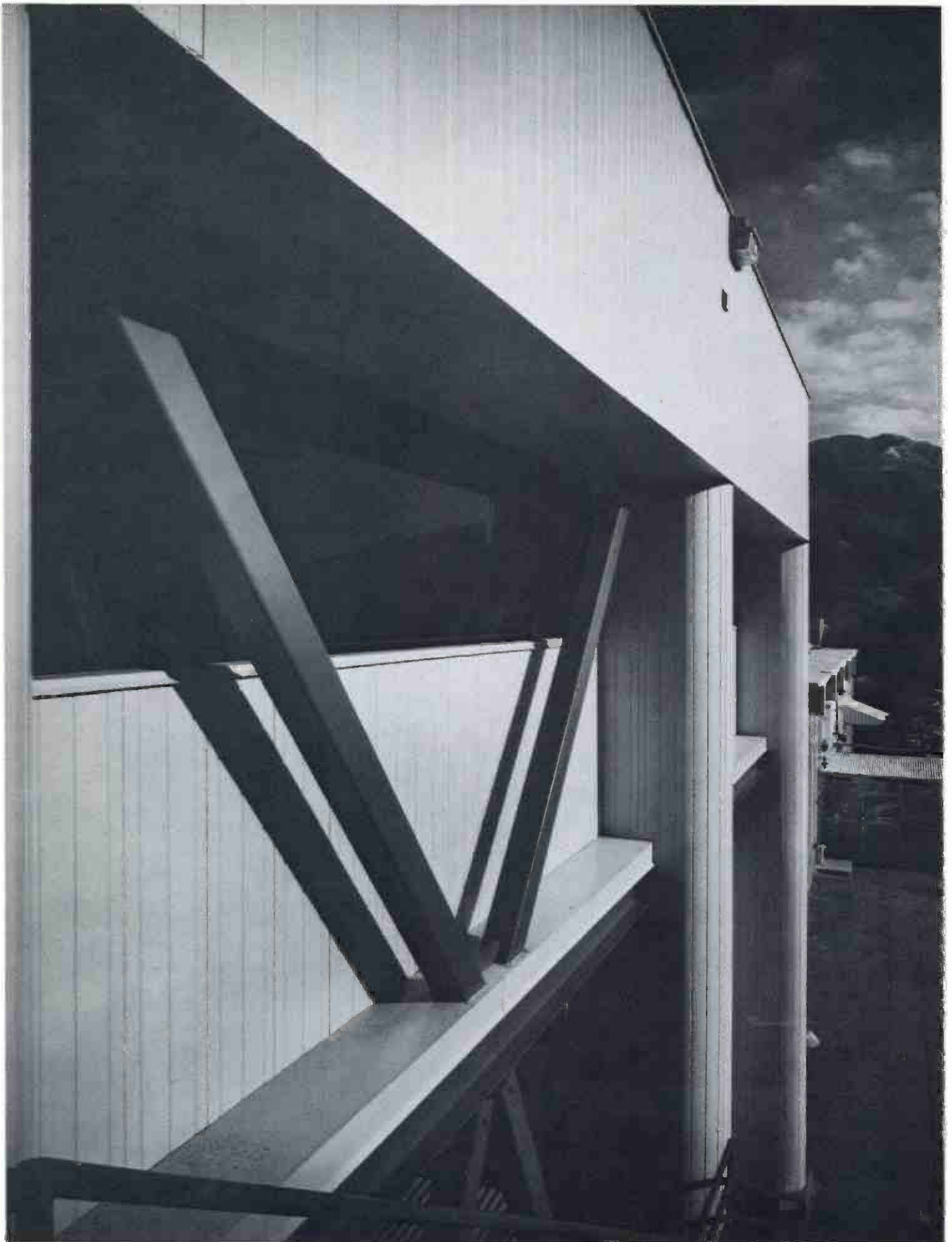
Miralles Associates, Inc.

729 West Woodbury Road, Altadena, California 91001

Telephone (213) 791-7691



MEDICAL/HEALTH PROFESSIONS MAGNET CENTER LOS ANGELES, CALIFORNIA



FUEL CONVERSION LABORATORY, JET PROPULSION LAB (JPL), PASADENA, CALIFORNIA



PALMS PARK COMMUNITY BUILDING AND LIBRARY LOBBY, LAKEWOOD, CALIFORNIA

STANDARD FORM (SF) 254

Architect-Engineer and Related Services Questionnaire

1. Firm Name / Business Address:
 MIRALLES ASSOCIATES, INC.
 729 West Woodbury Road
 Altadena, California 91001

1a. Submittal is for Parent Company Branch Office

2. Year Present Firm Established:
 1972

3. Date Prepared:
 January 1, 1983

4. Type of Ownership:
 4a. Minority Owned yes no

5. Name of Parent Company, if any:

5a. Former Firm Name(s), if any, and Year(s) Established:

6. Names of not more than Two Principals to Contact: Title / Telephone

1) Adolfo E. Miralles, AIA, President (213) 791-7691
 2) Marcia L. Miralles, CSI, AWA, Vice President (213) 791-7691

7. Present Offices: City / State / Telephone / No. Personnel Each Office

729 West Woodbury Road
 Altadena, California 91001

7a. Total Personnel 18

8. Personnel by Discipline:

<u>2</u> Administrative	<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Oceanographers	<u>1</u> Field Researcher/Writer
<u>8</u> Architects	<input type="checkbox"/> Estimators	<u>1</u> Planners: Urban/Regional	<u>1</u> Business Administrator
<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Geologists	<input type="checkbox"/> Sanitary Engineers	<u>1</u> Administrative Assistant
<input type="checkbox"/> Civil Engineers	<input type="checkbox"/> Hydrologists	<u>1</u> Soils Engineers	
<input type="checkbox"/> Construction Inspectors	<u>1</u> Interior Designers	<input type="checkbox"/> Specification Writers	
<u>2</u> Draftsmen	<input type="checkbox"/> Landscape Architects	<input type="checkbox"/> Structural Engineers	
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Surveyors	
<input type="checkbox"/> Economists	<input type="checkbox"/> Mining Engineers	<input type="checkbox"/> Transportation Engineers	

9. Summary of Professional Services Fees Received: (insert index number)

	Last 5 Years (most recent year first)				
	19 81	19 80	19 79	19 78	19 77
Direct Federal contract work, including overseas	<u>3</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>
All other domestic work	<u>3</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>
All other foreign work*					

*Firms interested in foreign work, but without such experience, check here:

- Ranges of Professional Services Fees INDEX
1. Less than \$100,000
 2. \$100,000 to \$250,000
 3. \$250,000 to \$500,000
 4. \$500,000 to \$1 million
 5. \$1 million to \$2 million
 6. \$2 million to \$5 million
 7. \$5 million to \$10 million
 8. \$10 million or greater

10. Profile of Firm's Project Experience, Last 5 Years

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 001	1	45	11) 039	4	600	21) 083	2	65
2) 006	2	44	12) 044	1	25	22) 088	7	307
3) 008	2	120	13) 048	2	66	23) 089	7	80
4) 016	2	178	14) 050	3	75	24) 098	6	350
5) 017	5	106	15) 052	5	170	25) 110	3	36
6) 027	4	350	16) 058	1	35	26) 116	1	25
7) 029	3	261	17) 059	5	350	27) 117	3	48
8) 032	7	480	18) 060	3	120	28) 201	4	64
9) 033	1	30	19) 072	5	170	29) 202	5	24
10) 035	4	243	20) 078	3	46	30) 203	2	95
						31) 204	1	185

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "E"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
001	P	¹ 254 Family Housing Units Fort Irwin, California Planning & Preliminary Design	Covington Technologies 2451 East Orangethorpe Avenue Fullerton, California 92631	20,000	1983
005	P	² JPL Alternate Fuel Conversion and Laser Research Laboratory, Pasadena, California	JPL 4800 Oak Grove Drive Pasadena, California	1,000	1980
005	P	³ Middle East Military Airbase Saudi Arabia Planning	United Industries Group, Inc. 567 San Nicolas Drive Newport Beach, California 92660	20,000	1984
005	P	⁴ Environmental Impact Statement Torrance Municipal Airport Torrance, California	Federal Aviation Administration 15000 Aviation Boulevard Hawthorne, California 90250	500	1983
006	P	⁵ NASA F-15 Flight Simulator Edwards, California	NASA Hugh L. Dryden Flight Research Center P. O. Box 273 Edwards, California 93523	500	1980
006	P	⁶ American Airlines Terminal Remodelings Los Angeles International Airport Los Angeles, California	American Airlines P. O. Box 8777, Airport Station San Francisco, California 94178	480	1981
010	P	⁷ Student Housing - Planning Los Angeles, California	Covington Technologies 2451 East Orangethorpe Avenue Fullerton, California 90032	5,000	1983

088	P	8 Meadowbrook Park Recreational Facility and Swimming Pool, San Bernardino, CA	City of San Bernardino 300 North "D" Street San Bernardino, California 92418	1,500	1980
089	P	9 Design of Seven (7) Projects Edwards, California	United States Air Force AFTC/PHBS Stop 130 Edwards, California 93523	750	1980
201	P	10 Yuha Way Station El Centro, California	Bureau of Land Management Denver Service Center Building 50 D420, Denver, Colorado 80225	800	1982
201	P	11 National Parks Service Visitor's Center in Arizona, California, Colorado and New Mexico	National Parks Service Harper's Ferry Center Harper's Ferry, West Virginia	500	1983
202	P	12 NASA Preliminary Engineering Reports	NASA Hugh L. Dryden Flight Research Center P.O. Box 273, Edwards CA 93523	3,000	1980- 1982
204	P	13 Small Arms Range Camp Pendleton, CA	Department of the Navy, Western Division Naval Facilities-Engineering Command P.O. Box 727, San Bruno, CA 94066	4,000	1983
029	P	14 Master Plan for the Medical/Health Facilities Magnet High School Los Angeles, CA	Los Angeles Unified School District 1425 S. San Pedro Street Los Angeles, CA 90015	21,000	NA
019	P	15 ADAL KC-10 Flight Simulator Trainer Facility March AFB, CA	U.S. Army Corps of Engineers Sacramento District 650 Capitol Mall, Sacramento, CA 95814	3,000	1984
082	P	16 United States Post Office Wagner Branch, Los Angeles, CA 90047	U.S. Postal Service Western Regional Office San Bruno, CA 94099	2,200	1984
072	P	17 Division 12 Transportation Building Long Beach, CA	So. California Rapid Transit District 425 South Main Street Los Angeles, CA 90013	500	1982
		18			
		19			

12

019	P	20 NASA Simulation and Remotely Piloted Vehicle Research Laboratory Edwards, California	NASA Hugh L. Dryden Flight Research Center P. O. Box 273 Edwards, California 93523	350	1982
039	P	21 Operational Trainer Facility Tustin, California	Department of the Navy, Western Division Naval Facilities Engineering Command P. O. Box 727 San Bruno, California 94066	1,000	1982
039	P	22 Vehicle Maintenance Facility El Toro, California	Department of the Navy, Western Division Naval Facilities Engineering Command P. O. Box 727 San Bruno, California 94066	5,000	1983
039	P	23 Orange County Transit District Tire Shop Garden Grove, California	Orange County Transit District 11222 Acacia Parkway P. O. Box 3005 Garden Grove, California 92642	56	1980
039	P	24 Automotive Maintenance Shop Port Hueneme, California	Department of the Navy, Western Division Naval Facilities Engineering Command P. O. Box 727 San Bruno, California 94066	450	1981
039	P	25 JPL Alternate Fuel Conversion and Laser Research Laboratory Pasadena, California	JPL 4800 Oak Grove Drive Pasadena, California 91103	1,000	1980
046	P	26 NASA Microwave Scanning Beam Landing System Edwards, California	NASA Hugh L. Dryden Flight Research Center P. O. Box 273 Edwards, California 93523	1,000	1978- 1982
044	JV	27 Student Health Services Facility Planning University of California, Los Angeles Los Angeles, California	University Of California, Los Angeles 601 Westwood Plaza Los Angeles, California 90024	10,000	1982
060	JV	28 Weingart Library and Palms Park Multi-Use Center Lakewood, California	City of Lakewood 5050 Clark Avenue Lakewood, California 90714	1,200	1979
		29			
		30			

12. The foregoing is a statement of facts

Signature: *Maria L. Miralles*

Maria L. Miralles, CSI,

Typed Name and Title: Vice President

Date:

February 22, 1983

REFERENCES FOR MIRALLES ASSOCIATES, INC.

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT
Warren Fu, Supervising Engineer
(213) 972-6590

LOS ANGELES UNIFIED SCHOOL DISTRICT
Samuel Moore, AIA, Director A/E Branch
(213) 742-7601

UNIVERSITY OF CALIFORNIA LOS ANGELES
Wayne Twedell, AIA, Director Office of A/E
(213) 825-2760

CITY OF PASADENA
Lyle Ericson, Administrator Public Facilities
(213) 577-4397

CITY OF RIALTO
Gloria Shanks, Director of Planning Department
(714) 875-3410

FEDERAL AVIATION ADMINISTRATION
Stan Walsh, Project Manager
(213) 536-6420

DEPARTMENT OF THE NAVY, WESTERN DIVISION
Richard Dong, Director of Architecture
(415) 877-7409

U.S. ARMY CORP. OF ENGINEERS
Lavelle Tyler, Project Manager
(916) 440-3569

HUNT&COMPANY ARCHITECTS
20 Hawthorne Street, San Francisco, CA 94105

STANDARD FORM (SF) 254
 Architect-Engineer and Related Services Questionnaire

1. Firm Name / Business Address:
 HUNT AND COMPANY, ARCHITECTS
 20 Hawthorne Street
 San Francisco, CA 94105

1a. Submittal is for Parent Company Branch Office

2. Year Present Firm Established:
 1963

3. Date Prepared:
 May 7, 1982

4. Type of Ownership:
4a. Minority Owned Small Business yes no x no

5. Name of Parent Company, if any:
 KENNEDY/JENKS ENGINEERS, INC.
 Established 1917

5a. Former Firm Name(s), if any, and Year(s) Established:
 Kitchen & Hunt
 Established 1948

6. Names of not more than Two Principals to Contact: Title / Telephone

1; Frank B. Hunt, FAIA, Vice President, Architecture (415) 362-7812
 2; John G. Wells, AIA, Director (415) 362-7812

7. Present Offices: City / State / Telephone / No. Personnel Each Office

657 Howard Street, San Francisco, California 94105	(415) 362-6065	206*
543 Byron Street, Palo Alto, California 94301	(415) 326-2570	127
4109 Bridgeport Way West, Tacoma, Washington 98466	(206) 565-5450	37
1264 Bishop Street, Honolulu, Hawaii 96813	(808) 524-0594	15
2041 Business Center Drive, Irvine, California 92715	(714) 752-5555	18
3030 Explorer Drive, Sacramento, California 95827	(916) 362-3251	6
		3

*Of the total personnel, those in Hunt and Company, Architects, the independent architectural division of Kennedy/Jenks Engineers are: 9 architects, 2 draftspersons, 1 administrative, 1 typist. Other personnel are providing shared administrative services and back-up functions.

8. Personnel by Discipline:

* <u>35</u> Administrative	<u>7</u> Electrical Engineers	___ Oceanographers	<u>1</u> Air Quality Specialists
* <u>9</u> Architects	___ Estimators	___ Planners: Urban/Regional	<u>3</u> Bacto/Bio/Chemists
<u>2</u> Chemical Engineers	___ Geologists	<u>42</u> Sanitary Engineers	<u>3</u> Chem Tech/Lab Tech
<u>43</u> Civil Engineers	___ Hydrologists	___ Soils Engineers	<u>3</u> Graphic Designers
<u>8</u> Construction Inspectors	___ Interior Designers	___ Specification Writers	<u>1</u> Indust. Waste Specialist
* <u>31</u> Draftsmen	___ Landscape Architects	<u>6</u> Structural Engineers	<u>2</u> Rate/Financial Specialist
___ Ecologists	<u>7</u> Mechanical Engineers	___ Surveyors	<u>2</u> Tech. Writer
___ Economists	___ Mining Engineers	___ Transportation Engineers	<u>1</u> Librarian

9. Summary of Professional Services Fees Received: (Insert index number)

	Last 5 Years (most recent year first)				
	19 81	19 80	19 79	19 78	19 77
Direct Federal contract work, including overseas	5	4	2	2	2
All other domestic work	8	8	7	7	7
All other foreign work*	1	1	1	1	1

*Firms interested in foreign work, but without such experience, check here:

Ranges of Professional Services Fees INDEX

1. Less than \$100,000
2. \$100,000 to \$250,000
3. \$250,000 to \$500,000
4. \$500,000 to \$1 million
5. \$1 million to \$2 million
6. \$2 million to \$5 million
7. \$5 million to \$10 million
8. \$10 million or greater

14

BAY AREA RAPID TRANSIT DISTRICT

Oakland, California



North Berkeley Station

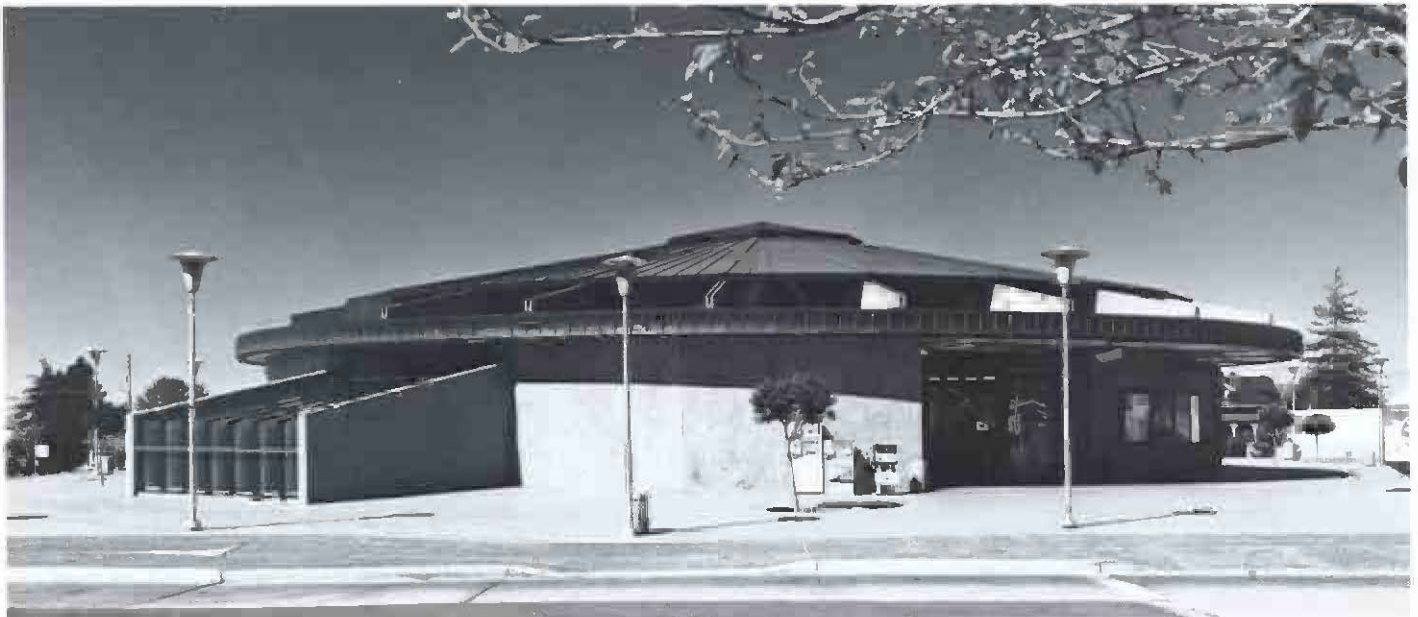
NORTH BERKELEY STATION

The North Berkeley subway station meets the technical requirements of the BART system and provides for a future medium high-rise housing development, planned to share its 9 acre site. Working closely with BART and the City of Berkeley, our firm established design parameters that would allow maximum flexibility in the design of the proposed housing complex and minimize disruption to the BART station when the housing is eventually constructed.

A circular form was selected for the above grade portion of the station to serve as a transitional

element between the underground BART lines running diagonally through the site and the rectangular grid imposed on the site at street level. In addition, the circular form will contrast with the future housing development, visually distinguishing the station from the housing.

Throughout the station, finish materials were selected for appearance, economy and ease of maintenance. The dramatic circular roof is formed from tapered precast concrete frames radiating from a large central skylight having open louvered sides for ventilation.



UNION CITY STATION

The Union City BART aerial station combines textured concrete and exposed structural steel to create a bold, forthright community transportation facility. Open on three sides at ground level, the station's louvered and solar-glazed upper walls furnish rain, sun and wind protection for the free and paid areas inside. Roll down grills located between textured concrete columns at ground level provide security closure when needed. At platform level, windscreens of solarglass and a metal roof canopy protect patrons waiting for arriving trains. The metal roof above the free and paid areas is supported by

large exposed steel Vierendeel trusses. These trusses rely on rigid frame action of horizontal and vertical members for stability rather than diagonal members used in conventional trusses. When used in an exposed installation, their strong pattern of verticals and horizontals creates a simple but interesting effect.



FACILITIES FOR BART



South Hayward Station

Stations

North Berkeley Station
Union City Station
Oakland West Station
Fremont Station
South Hayward Station

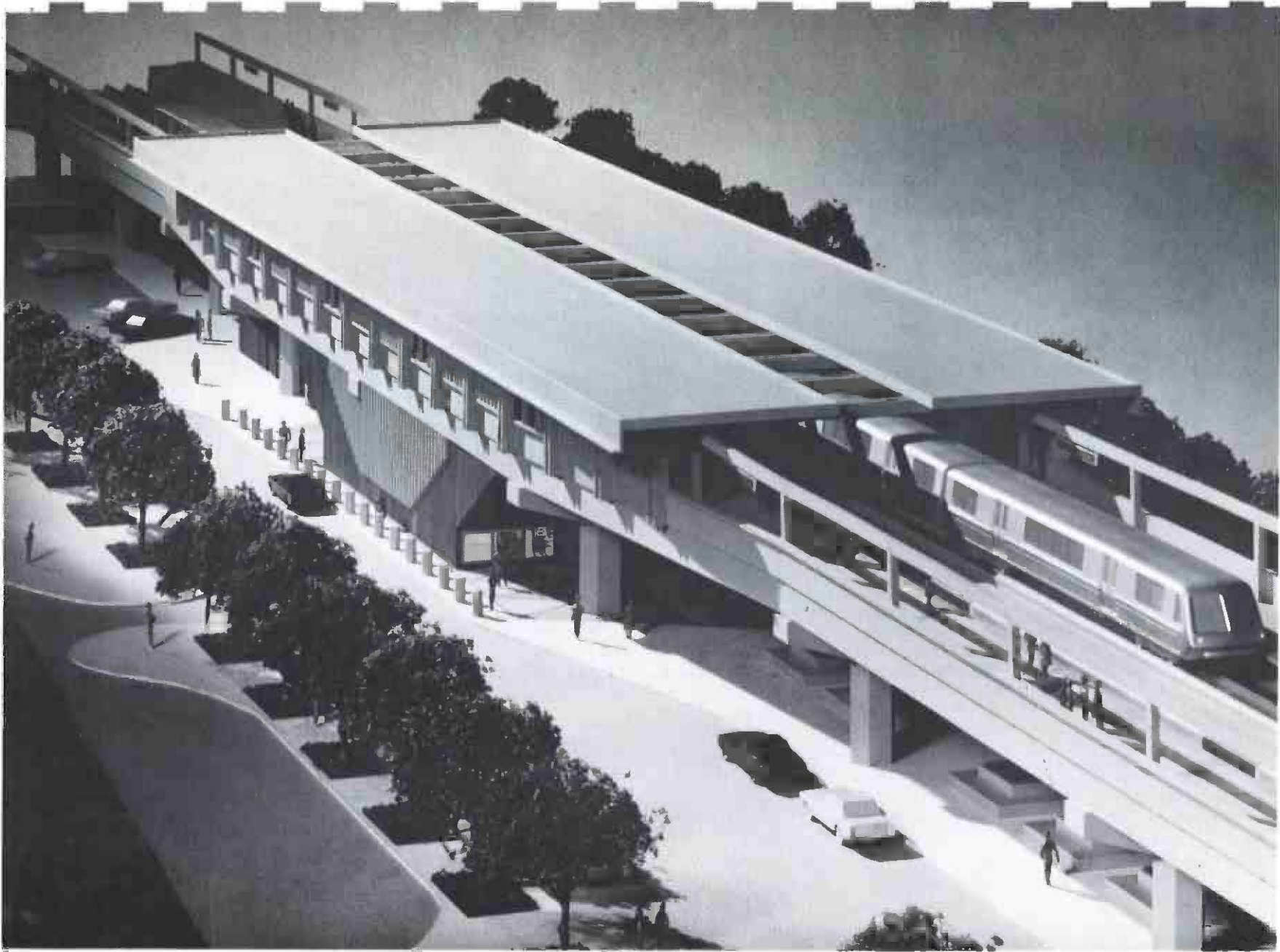
Studies

San Francisco Airport Access Project
San Mateo County Transit Development Project

Landscaping

South Hayward Line
South Hayward Station & Parking
West Oakland Line
Union City - Fremont Line
Union City Station & Parking
Fremont Station & Parking
Oakland West Station & Parking

Hunt and Company, project architects for Parsons
Brinckerhoff-Tudor-Bechtel



SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT
EL CERRITO PLAZA & EL CERRITO DEL NORTE STATIONS

CLIENTS

Eastman Kodak Company

Mr. James H. Fox 415-828-7000
 Manager of Administrative Services
 Pacific Northern Region
 9100 Alcosta Boulevard
 San Ramon, CA 94583

Mr. A. W. Horst 800-862-4987
 (Former Distribution Manager, Pacific Northern
 Region, Eastman Kodak Company)
 Basic American Foods
 P. O. Box 599
 Vacaville, CA 95688

United Air Lines

(Hunt and Company, Architects, consulting architects
 to H. J. Brunnier Associates, Structural Engineers)
 Mr. Don Stevens 415-876-3123
 SFOFQ Facilities Project Manager
 Maintenance Operations Center
 San Francisco International Airport
 San Francisco, CA 94128

H. L. Lyell 415-781-0370
 President
 H. J. Brunnier Associates, Structural Engineers
 55 New Montgomery Street
 San Francisco, CA 94105

Sandia Laboratories

Mr. R. P. May 415-422-2210
 Project Engineer, Plant Engineering Division 8254
 Sandia Laboratories
 P. O. Box 969
 Livermore, CA 94550

University of California

Mr. Jerry Nelson 415-486-5913
 Physicist, Ten Meter Telescope
 Lawrence Berkeley Laboratory
 Building 50, Room 351
 Berkeley, CA 94720

Mr. Steve Fujioka 415-642-6336
 Project Architect

Mrs. Florence Baldwin 415-642-7332
 Senior Architect

Mr. Tony Master 415-642-2651
 Construction Inspector
 Office of Architects and Engineers
 Department of Facilities Management
 University of California
 Berkeley, CA 94720

Mr. Vishwas D. More 415-486-6469
 Mechanical Engineering Section Leader
 Lawrence Berkeley Laboratory
 1 Cyclotron Road
 Berkeley, CA 94720

California State Universities and Colleges

Mr. Harry Harmon, F.A.I.A. 213-590-5512
 Executive Vice Chancellor

Mr. Raymond Yusi 213-590-5647
 Construction Engineer
 400 Golden Shore
 Long Beach, CA 90802

Dr. John R. Cox 916-454-6186
 Associate Vice President for Administration and Busi-
 ness Affairs
 California State University, Sacramento
 6000 J Street
 Sacramento, CA 95819

Mountain View Cemetery Association

Mr. J. A. Owens 415-658-2588
 Vice President

Mr. J. R. Fisher, Jr. 415-658-2588
 General Manager
 5000 Piedmont Avenue
 Oakland, CA 94611

CONTRACTORS

Dinwiddie Construction Company

Mr. Curtis E. Smith, Jr. 415-986-2718
 President
 Crocker Plaza
 San Francisco, CA 94104

Swinerton and Walberg

Mr. Bennett L. Raffin 415-421-2980
 Executive Vice President
 100 Pine Street
 San Francisco, CA 94111

Mayta and Jensen

Mr. Anthony Mayta 415-822-2200
 Vice President
 101 Williams Avenue
 San Francisco, CA 94124

ENVIRONMENTAL DESIGN CONSULTANTS

STANDARD FORM (SF) 254 Architect-Engineer and Related Services Questionnaire	1. Firm Name / Business Address: ENVIRONMENTAL DESIGN CONSULTANTS INTERNATIONAL	2. Year Present Firm Established: 1969	3. Date Prepared: Jan. 1, 1981																																
	1a. Submittal is for <input checked="" type="checkbox"/> Parent Company <input type="checkbox"/> Branch Office	4. Type of Ownership: 4a. Minority Owned <input type="checkbox"/> yes <input checked="" type="checkbox"/> no																																	
5. Name of Parent Company, if any: ENVIRONMENTAL DESIGN CONSULTANTS INTERNATIONAL	5a. Former Firm Name(s), if any, and Year(s) Established: L. KEN SMITH, LANDSCAPE ARCHITECT - 1954 ROY H. SEIFERT & ASSOCIATES - 1956																																		
6. Names of not more than Two Principals to Contact: Title / Telephone 1) L. KEN SMITH, PRINCIPAL (805) 498-6151 2) ROY H. SEIFERT, PRINCIPAL (714) 239-4646																																			
7. Present Offices: City / State / Telephone / No. Personnel Each Office 320 West Cedar St. San Diego, CA 92101 (714) 239-4646 Personnel: seven 253 Beech Road Newbury Park, CA 91320 (805) 498-6151 Personnel: three		7a. Total Personnel <u>10</u>																																	
8. Personnel by Discipline: <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> Administrative</td> <td><input type="checkbox"/> Electrical Engineers</td> <td><input type="checkbox"/> Oceanographers</td> <td>_____</td> </tr> <tr> <td><input checked="" type="checkbox"/> 2 Architects</td> <td><input type="checkbox"/> Estimators</td> <td><input checked="" type="checkbox"/> 1 Planners: Urban/Regional</td> <td>_____</td> </tr> <tr> <td><input type="checkbox"/> Chemical Engineers</td> <td><input type="checkbox"/> Geologists</td> <td><input type="checkbox"/> Sanitary Engineers</td> <td>_____</td> </tr> <tr> <td><input checked="" type="checkbox"/> 1 Civil Engineers</td> <td><input type="checkbox"/> Hydrologists</td> <td><input type="checkbox"/> Soils Engineers</td> <td>_____</td> </tr> <tr> <td><input type="checkbox"/> Construction Inspectors</td> <td><input type="checkbox"/> Interior Designers</td> <td><input type="checkbox"/> Specification Writers</td> <td>_____</td> </tr> <tr> <td><input checked="" type="checkbox"/> 2 Draftsmen</td> <td><input checked="" type="checkbox"/> 3 Landscape Architects</td> <td><input type="checkbox"/> Structural Engineers</td> <td>_____</td> </tr> <tr> <td><input checked="" type="checkbox"/> 1 Ecologists</td> <td><input type="checkbox"/> Mechanical Engineers</td> <td><input type="checkbox"/> Surveyors</td> <td>_____</td> </tr> <tr> <td><input type="checkbox"/> Economists</td> <td><input type="checkbox"/> Mining Engineers</td> <td><input type="checkbox"/> Transportation Engineers</td> <td>_____</td> </tr> </table>				<input type="checkbox"/> Administrative	<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Oceanographers	_____	<input checked="" type="checkbox"/> 2 Architects	<input type="checkbox"/> Estimators	<input checked="" type="checkbox"/> 1 Planners: Urban/Regional	_____	<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Geologists	<input type="checkbox"/> Sanitary Engineers	_____	<input checked="" type="checkbox"/> 1 Civil Engineers	<input type="checkbox"/> Hydrologists	<input type="checkbox"/> Soils Engineers	_____	<input type="checkbox"/> Construction Inspectors	<input type="checkbox"/> Interior Designers	<input type="checkbox"/> Specification Writers	_____	<input checked="" type="checkbox"/> 2 Draftsmen	<input checked="" type="checkbox"/> 3 Landscape Architects	<input type="checkbox"/> Structural Engineers	_____	<input checked="" type="checkbox"/> 1 Ecologists	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Surveyors	_____	<input type="checkbox"/> Economists	<input type="checkbox"/> Mining Engineers	<input type="checkbox"/> Transportation Engineers	_____
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	19 80	19 79	19 78	19 77	19 76																														
Direct Federal contract work, including overseas	1	1	1	1	1																														
All other domestic work	2	2	1	2	1																														
All other foreign work*	1	1	2	1	1																														
*Firms interested in foreign work, but without such experience, check here: <input type="checkbox"/>																																			

21

Dona Teodoro

3914 HARLOW
Culver City 90230
Telephone: 213-838-9118

RESUME

DORA DE LARIOS

EDUCATION: B.F.A., University of Southern California
Los Angeles, California – 1957

STUDIO: 4023 Irving Place
Culver City, California
Telephone: (213) 836-6422
Established studio – 1957

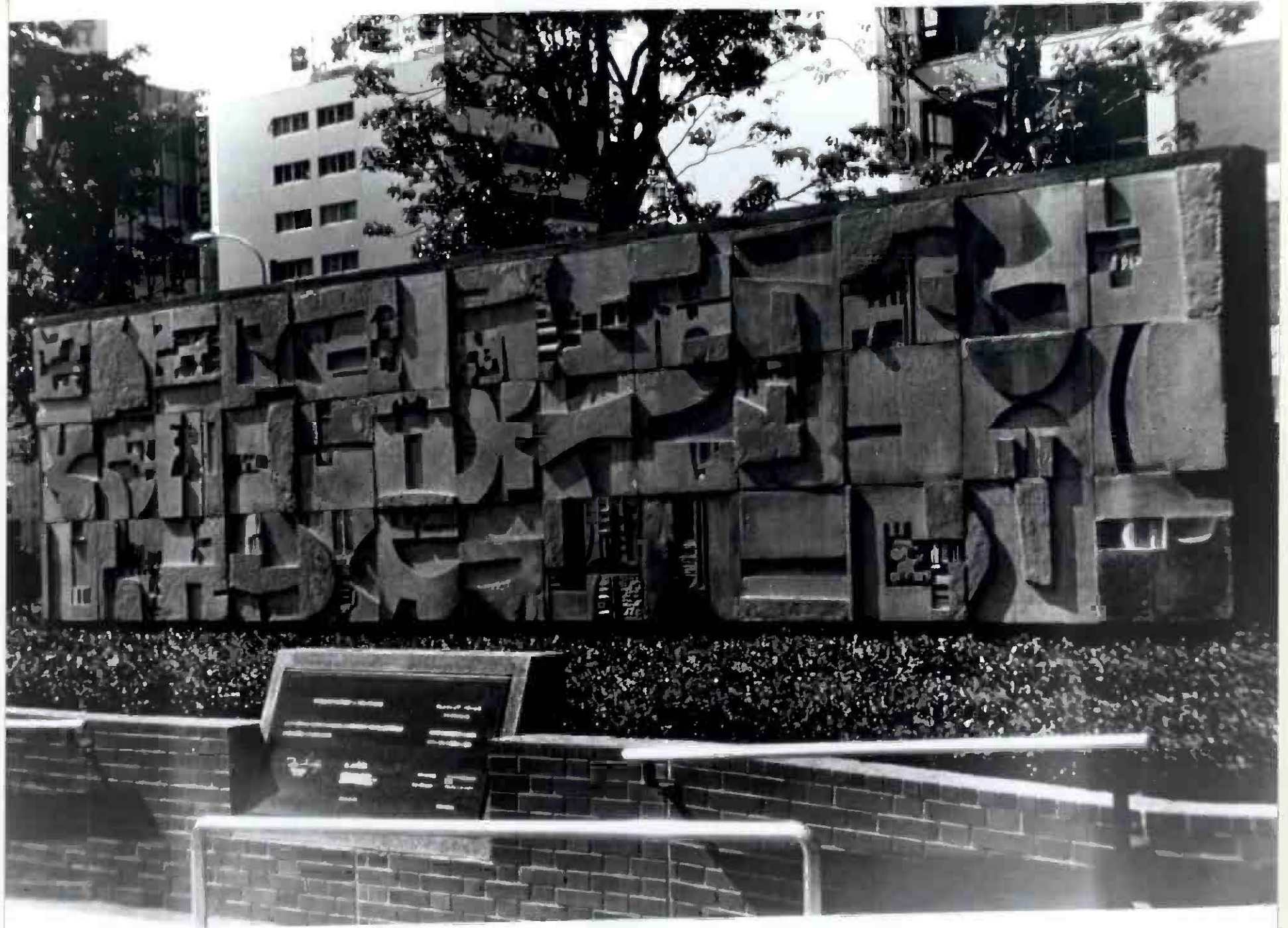
ARCHITECTURAL COMMISSIONS:

- 1966: International Pipe and Ceramic Corporation
Percypany, New Jersey
Scale: 35' x 35' Ceramic Mural
- 1969: Scientific Surgical Corporation
Headquarters – Century City, Beverly Hills, California
Scale: 10' x 26' Ceramic Mural
- 1970: Contemporary Hotel
Disney World, Orlando, Florida
Lead artist in charge of design for six ceramic murals
18,000 square feet
Scale: 6 murals 36' x 90'
- 1971: Kona Surf Hotel
Kona Coast, Hawaii
Ceramic Mural – Scale: 8' x 24'
Koa and Bronze Sculpture – Scale: 7' x 12'
Cement Sculpture – Scale: 9' x 3'
Ceramic Plaques (3 in each room) – Scale: 1' x 1', 1,500 square feet
- 1973: Tetiaroa, Tahiti, French Polynesia
Concrete panels around bar area of resort
Scale: 6 panels 4' x 6'
- 1974: Compton County Library Mural
Compton, California
Ceramic Mural – Scale: 8' x 40'
- 1977: Lynwood County Library
Lynwood, California
Ceramic Mural – Scale: 2' x 164'

ARCHITECTURAL COMMISSIONS (Continued)

- 1977: Norwood, El Monte County Library
El Monte, California
Ceramic Mural – Scale: 14' x 16'
- 1977: Camarillo City Hall
Camarillo, California
2 Ceramic Panels – Scale: 3' x 6'
- 1978: Security Pacific Bank
Pomona Branch
Pomona, California
Concrete Wall – Scale: 8' x 10'
- 1978: Rowland Heights County Library
Rowland Heights, California
Plaster Veneer Mural – Scale: 10' x 30'
- 1978: Hawaiian Gardens Civic Center
Hawaiian Gardens, California
Council Chamber Mural – Plaster Veneer – Scale: 10' x 20'
Fountain Wall – Stoneware – Scale: 7½ x 9½
- 1979: Nagoya, Japan
Central Park Development
"Friendship Patterns" Cement Mural – Scale: 6' x 26'
- 1979: Oahu, Hawaii
Makaha Inn Resort
Ceramic Mural – Scale: 5' x 20'
2 Ceramic Panels – Scale: 3' x 6'
- 1980–1981 Long Beach Community Hospital
Long Beach, California
2 Donor Murals – Stoneware – Scale: 5' x 20'





H. J. BRUNNIER ASSOCIATES
STRUCTURAL ENGINEERS

55 NEW MONTGOMERY STREET • SUITE 508 • SAN FRANCISCO, CALIFORNIA 94105-3470 • (415) 781-0370/(415) 781-0385

STANDARD FORM (SF) 254

Architect-Engineer and Related Services Questionnaire

1. Firm Name / Business Address:
 H. J. BRUNNIER ASSOCIATES
 55 New Montgomery St., Suite 608
 San Francisco, CA 94105

2. Year Present Firm Established:
 1963.

3. Date Prepared:
 3-9-83

1a. Submittal is for Parent Company Branch Office

4. Type of Ownership: Corporation
 4a. Minority Owned yes no

5. Name of Parent Company, if any:

5a. Former Firm Name(s), if any, and Year(s) Established:
 H. J. Brunnier 1908 - 1963

6. Names of not more than Two Principals to Contact: Title / Telephone

- 1) H. L. Lyell, President 415/781-0370
- 2) S. E. Telxelra, Vice President 415/781-0370

7. Present Offices: City / State / Telephone / No. Personnel Each Office

7a. Total Personnel 13

H. J. Brunnier Associates / San Francisco / California / (415)781-0370

8. Personnel by Discipline:

- | | | | |
|--|---|---|-------|
| <input type="checkbox"/> 1. Administrative | <input type="checkbox"/> Electrical Engineers | <input type="checkbox"/> Oceanographers | _____ |
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| <input checked="" type="checkbox"/> 4. Draftsmen | <input type="checkbox"/> Landscape Architects | <input checked="" type="checkbox"/> 6. Structural Engineers | _____ |
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All other foreign work*					

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- 6. \$2 million to \$5 million
- 7. \$5 million to \$10 million
- 8. \$10 million or greater

Personnel
Qualifications

Ms. Miralles is a graduate in Architecture from the University of California at Berkeley, a member of the Association of Women in Architecture, and of the Construction Specifications Institute. As co-founder of Miralles Associates, Inc. in 1972, she has been involved in management, client contact, coordination, production and design. Her experience includes programming, planning and design of educational, commercial and residential structures as well as community facilities.

MARIA L. MIRALLES,
AWA, CSI
Project Manager

Ms. Miralles is fluent in five languages and has worked on construction specifications in Spanish for a project in Mexico. She is also active in coordinating community meetings and hearings to obtain programming criteria for city and county projects. As project manager she oversees production, writes specifications, estimates costs and determines finishes and colors.

Licensed in the State of California in 1961 and NCARB certified, Mr. Miralles graduated in Architecture from the University of California at Berkeley in 1957. He was affiliated with several major architectural firms in Southern California before he opened his own office in 1972.

ADOLFO E. MIRALLES,
AIA
Design
Cost & Quality Control

His experience includes large scale planning, high-rise office buildings, laboratories, institutional buildings, community facilities, housing and Department of Defense contracts of diverse nature.

Under his direction Miralles Associates, Inc. has grown to an average staff of fifteen and is organized in several teams, each of which follow a project through all stages from initial client contact to completion. Mr. Miralles personally oversees cost and quality control of each project and is especially concerned with excellence in design.

Best known for his many Urban and University Master Plans, Mr. Alexander joined Miralles Associates, Inc. in 1972 and presently is Staff Consultant for Planning.

ROBERT E. ALEXANDER
FAIA
Planner

As principal of his own firm, R.E. Alexander, FAIA and Associates, he has had many large projects to his credit and received more than thirty awards for design. Among his numerous achievements are the Master Plans for the University of San Diego, the Claremont Colleges, the California Institute of Technology and Orange Coast College. The design of the Bunker Hill Towers, the United States Embassy in Pakistan and many other significant projects have made him internationally known. Robert E. Alexander, FAIA and Adolfo E. Miralles, AIA, have enjoyed a close professional relationship since 1958.

KEMPER NOMLAND, AIA
Assistant Project
Manager

Mr. Nomland is a Senior Associate in the firm. After graduating from the University of Southern California in 1941, he worked for a number of Southern California architectural firms as Designer and Project Manager. His extensive experience encompasses medical, educational, industrial, commercial and residential facilities. His special contribution to Miralles Associates, Inc. is the application of his experience to oversee design and production and insure quality control. Mr. Nomland has worked on Department of Defense and other government projects, medical facilities, schools, housing and master planning.

RICHARD SARTHOU
Architect

Richard Sarthou received his degree of Bachelor of Science in Architecture from the University of Santo Tomas in Manila, the Phillipines, in 1972. His background includes architectural design, project administration, construction administration, coordination and extensive knowledge of structural detailing. Mr. Sarthou has a special talent for organization, budgeting, and scheduling. Among his many assets are the ability to direct the design team effectively and bring each project within the budget.

Some of the projects that Mr. Sarthou has worked on for Miralles Associates, Inc. are a Postal Facility for the City of Inglewood, a Flight Simulator for the U.S. Army Corps of Engineers at March Air Force Base, a 680 unit Condominium Project for Covington Technologies, a Library Renovation at Vandenberg Air Force Base, and an RTD Ticket Office in downtown Los Angeles.

Mr. Hunt has been a principal in the firm since he opened his architectural practice in 1948 when the firm was known as Kitchen and Hunt. He provides overview of the design process and is responsible for strategic planning and policy for Hunt and Company. He is a Vice President and Director of Kennedy/Jenks Engineers.

FRANK B. HUNT, FAIA
Project Advisor

He has designed and directed many of the firm's projects including facilities for the Bay Area Rapid Transit, Eastman Kodak Company, Stauffer Chemical Co., the University of California at Berkeley and at Davis, the California State University at Hayward, and the Lawrence Livermore and Berkeley National Laboratories.

He was responsible for the direction of his firm's sponsoring role in the joint venture of architects and engineers that designed the facilities for the VIII Olympic Winter Games at Squaw Valley.

He has managed and designed a large number of projects having unique and complex technological requirements including five passenger stations for the Bay Area Rapid Transit District, facilities for the San Francisco Maintenance Operations Center for United Airlines, and Route Extension Studies for BART.

Mr. Wells is Director of Architecture for Hunt and Company and Vice President of Kennedy/Jenks Engineers. He is responsible for architectural operations.

JOHN G. WELLS, AIA
Technical
Design
Cost & Quality Control

Since joining Hunt and Company in 1975 he has directed architectural services on a number of the firm's projects including: Wheeler Hall Code Corrections, International House Auditorium Rehabilitation, and the International Food Market for the University of California, Berkeley; a computer facility addition for Sandia National Laboratories, Livermore; preliminary design studies for buildings to house the University of California Ten Meter Telescope, and for Ames Research Center's Numerical Aerodynamic Simulator.

Prior to joining Hunt and Company, he was a principal in the firm of DeMars and Wells. Many of the firm's projects on which he had a major role have received design awards of professional recognition.

Mr. Wells was project manager for the design of two El Cerrito BART stations.

EDWARD J. BENNETT, AIA
Production
Cost Control

Mr. Bennett is experienced in all phases of architectural services: programming, site planning, conceptual and preliminary design, construction drawings and specifications, construction cost estimating, and service during construction.

He has been fully involved in architectural practice since his graduation in 1956. During that time, he has had progressively responsible positions on projects of increasing scope.

Prior to joining Hunt and Company, he was an Associate with DeMars and Wells. In that firm he had substantial responsibilities on a number of projects: BART Stations, El Cerrito; Grattan Elementary School, San Francisco; Zellerbach Hall for the Performing Arts and Wheeler Auditorium Renovation, University of California, Berkeley; and the Mt. Angel Abbey Library, Mt. Angel, Oregon.

At Hunt and Company, he has directed or participated in the following projects: International Food Market, University of California, Berkeley; Computer Facility Addition, Sandia National Laboratories, Livermore; Computer Facility, United Airlines, San Francisco Maintenance Operations Center.

W. PHILIP GARDNER, AIA
Transit Station Design

Mr. Gardner has more than eighteen years of experience in providing architecture and planning services for many building types in a variety of geographical locations. His work includes industrial and transportation facilities, medical clinics and hospitals.

Prior to joining Hunt and Company, Mr. Gardner was employed by DeMars and Wells, and served on the design team for the El Cerrito BART Stations.

Mr. Gardner was project architect for the recent computer expansion projects and their support facilities for the United Airlines Maintenance Operations Center, San Francisco, California, and headed the design team for the newly completed employee cafeteria. Administrative office,

laboratory, and shop facilities experience include: Reno-Sparks Joint Water Pollution Control Project, Sparks, Nevada; Novato Sanitary District wastewater facilities project, Novato, California; and the Honolulu Medical Group Office Building, Honolulu, Hawaii.

Robert W. James was educated in both architecture and engineering at Illinois Institute of Technology. As a registered architect in numerous states, he worked for both small and large firms, first in Chicago and later in Joplin, Missouri. As a private practitioner, he performed all architectural and engineering services.

ROBERT W. JAMES, AIA
Project Manager
Hunt and Company

He served as project architect for the B-767 maintenance hangar at United Airlines Maintenance Operations Center at SFO. His detailed understanding of the complex mechanical, electrical and structural requirements for maintenance activities is a definite contribution to the design team.

Carolyn Olsen has broad management and engineering experience. She received a BS in Civil Engineering from the University of Wyoming and an MS in Environmental Engineering from Southern Illinois University. She is a registered civil engineer in California.

CAROLYN H. OLSEN

Ms. Olsen, prior to joining Kennedy/Jenks Engineers, parent company to Hunt and Company, was a civil engineer for the Los Angeles County Sanitation District.

Since joining Kennedy/Jenks Engineers, she has been project manager/engineer on various infrastructure projects which have required extensive planning and coordination of the activities of the different in-house engineering disciplines and subconsultants.

Currently, Ms. Olsen is the project manager/engineer for the San Francisco Redevelopment Agency's Rincon Point-South Beach infrastructure Master Plan Project, which includes the "system" evaluation and design of streets, railroads, parks, utilities, sewers, and drainage facilities for the project area along the proposed realignment of the Embarcadero.

ROBERT W. PHILLIPS
Mechanical Engineer

As Chief Mechanical Engineer, Mr. Phillips is responsible for design of piping, mechanical equipment, boiler, refrigeration, heating, ventilation and air conditioning systems on all our projects. Many of these projects have been for governmental or public clients.

Mr. Phillips has been responsible for the mechanical features of all types of existing and new military, commercial, industrial, and municipal facilities and buildings, including entire water and wastewater treatment plants, computer centers, remote recreational and military buildings, hospitals, laboratories, university student housing, cafeteria and research centers, aircraft hangars, low and medium rise buildings, process control centers, and fire protection systems.

NICHOLAS J. PEROS
Electrical Engineer

As the firm's chief electrical engineer, Mr. Peros is responsible for the electrical design and construction support work on all of our projects.

He has prepared plans and specifications for electric services; uninterruptible power supplies and closed circuit television; and fire alarm, intrusion detection, intercommunications, telemetry systems, and adjustable speed motor controls for both new and existing facilities.

Mr. Peros has specialized experience in low and medium voltage power distribution and in the development of process control systems, including redundant programmable controllers, minicomputers, and distributed digital control.

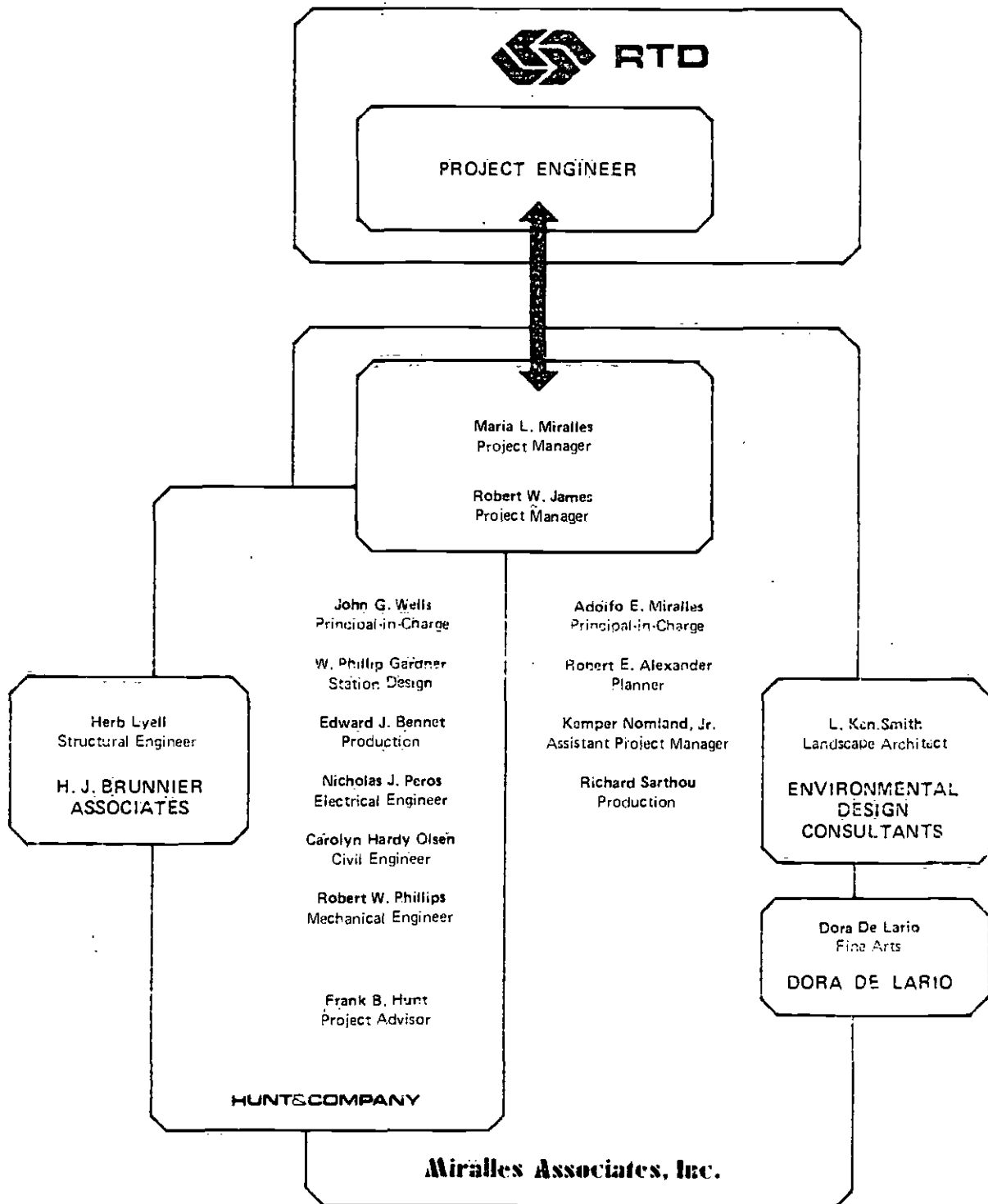
L. KEN SMITH, AILA
Landscape Architect

More than twenty years experience in Landscape Architecture and Land Planning for governmental agencies and private corporations.

Experience includes Master Plan Reports and facility design of neighborhood, community, regional and national parks. Overseas projects in Guam, Taiwan, Singapore, Borneo and West Malaysia.

Resident of Ventura County since 1964. Was a member of Ventura County Tree Advisory Committee and City of Thousand Oaks Landscape Committee. Past president Los Angeles chapter of American Institute of Landscape Architects. Charter member of Sunset Magazine Southern California garden panel and consultant for their Water-Use Research Facility. Author of three books on residential landscape design.

Project
Organization
&
Mangement Plan



ORGANIZATION

The project requires a highly structured, responsive design team operating within an organizational context which allows for responsive action. The organizational chart on the preceding page represents a clear and concise assignment of both technical responsibilities and management functions.

Miralles Associates, Inc. is the prime design contractor for the team. The consulting firms have designated principals who will be responsible to Miralles, Inc.

Each of the participating firms is represented by Principals-in-Charge, whose responsibilities include assurance of corporate commitment to the project and the assignment of resources to the project.

Most of the design challenges encompasses at least three and as many as six technical disciplines. It is critical from both the standpoint of solution and schedule control that these issues be properly assessed for overall project impact and for technical input. The project manager concept is the key to successful and efficient problem solving in multi-disciplinary efforts.

PROJECT MANAGER

Maria Miralles is well qualified to fill the role of Project Manager. She would be the primary point of contact between the Design Team and the LAEC. She is a principal in the lead firm, has provided services to the SCRTD, and is well known in the communities surrounding the station locations.

The Design Team proposes to form a Control Group composed of key personnel from the firms with major design responsibilities. This group would provide overall guidance and a cohesive leadership for all firms in delegating responsibilities, coordinating work schedules, establishing communications procedures, and reviewing all work.

The architectural design of stations would be accomplished primarily by Miralles Associates, Inc. under the direction of Adolfo Miralles. Technical input to the design process would be provided by Hunt and Company, with John G. Wells, Director of Architecture, providing leadership for that firm's architectural and engineering staff.

ARCHITECTURE

It is contemplated that Hunt and Company would develop specific performance criteria for the station design utilizing the District's pre-established elements and technical criteria. These performance criteria would include design parameters for all major systems. Miralles Associates, Inc. would then prepare a series of sketch designs for review by the Control Group, with specific input from both the landscape architect and fine arts consultant. In this manner, designs will be produced which are responsive to all relevant technical, aesthetic, and environmental concerns.

Cost Control procedures would include early establishment of cost parameters for each major system or component along with relative impacts of each element to both other elements and to the job as a whole. In this manner, the initial design will be responsive to the inherent cost factors affecting the project.

COST CONTROL

Cost Estimating would be performed by each participating firm, with control coordination by Adolfo Miralles.

Edward J. Bennett, Hunt and Company, would prepare estimates for all special building features unique to transit stations and would coordinate the estimates for engineered systems prepared by other Hunt and Company personnel.

Robert W. James, architect, would serve as Project Manager for all services provided by Hunt and Company. He is a California registered architect, was educated in engineering at Illinois Institute of Technology, and has performed engineering services for numerous projects.

TECHNICAL COORDINATION

Production of contract documents and specifications would be performed by firms according to their individual expertise. Production of most architectural documents would be provided by Miralles Associates, Inc.,

PRODUCTION

with Merrill Anderson in charge. Hunt and Company would prepare documents pertinent to specific technical systems and would be available to provide support to the production staff at Miralles Associates. W. Philip Gardner would lead the production effort at Hunt and Company.

In order to assist our Project Manager in planning, organizing, directing, and monitoring the technical production effort, the team will utilize proven management tools that have been successfully developed and refined during projects completed over the years.

MANAGEMENT TOOLS

Project Pre-Planning

A project of this scope and complexity requires a programmed process for completion and the ability to monitor progress toward each stated goal. A control document based on a synthesis of CPM AND PERT approaches will be developed. The document may or may not be computerized depending on its complexity and the frequency of necessary correction.

Staff Communications

Weekly Design Team meetings will be held to exchange information, identify potential problems, and discuss resolution of various project issues. These meetings have proven to be effective on projects such as yours which require a multidiscipline approach to design solutions and for which the possibility of overlaps in responsibility exist.

Client Coordination

Formal progress reports and documentation will be provided to SCRTD/GAEC at monthly intervals during the course of the project. In addition, we suggest a weekly briefing by the Project Manager to you on progress, key events and issues, and anticipated milestones. This informal meeting has proven to be an excellent method of communicating on other projects and has resulted in expediting the program.

Priority
Interest

Miralles Associates, Inc. has for many years been resident to the hispanic areas of Los Angeles. The principals' civic commitment is evidenced by participation in the architectural committee of the Los Angeles City Care Group, a northeast Los Angeles crime prevention group, and numerous hispanic community groups.

PRIORITY INTEREST

The firm has an intimate knowledge of the hispanic community, an established rapport with its citizens, and a vested interest in its environment.

For these reasons, the projects of highest priority are those transit stations serving the hispanic community.

CONTRACT PREFERENCE LIST

<u>PHASE I</u>	<u>CONTRACT</u>	<u>Phase I Numerical Preference</u>
A-140	Tunnel segment between Union Station & 7th/Flower Station, including Civic Center & 5th /Hill Stations	
A-165	7th/Flower Station	1
A-170	Tunnel segment from 7th/Flower to Wilshire/Vermont, including the Station at Wilshire/Alvarado	
A-195	Wilshire/Vermont Station	2
<u>PHASE II</u>	<u>CONTRACT</u>	<u>Phase II Numerical Preference</u>
A-220	Tunnel segment between Wilshire/Vermont & Wilshire/LaBrea, including the Wilshire/Normandie & Wilshire/Western Stations.	
A-245	Wilshire/LaBrea Station and Pocket Track	2
A-250	Tunnel segment from Wilshire/LaBrea to Fairfax/Beverly, including the Wilshire/Fairfax Station	
A-275	Fairfax/Beverly Station	3
A-310	Tunnel segment from Fairfax/Beverly to Hollywood/Cahuenga, including the Fairfax/Santa Monica & LaBrea/Sunset Stations	
A-350	Hollywood/Cahuenga Station and Pocket Track	4
A-410	Tunnel segment from Hollywood/Cahuenga to Universal City Station	
A-425	Universal City Station	5
A-430	Tunnel segment between Universal City Station & North Hollywood Station	
A-445	North Hollywood Station & End Line Storage Track	1

MBE/WBE
Commitment Data

MBE/WBE PARTICIPATION

The lead firm for the Design Team, Miralles Associates, Inc., is a minority business enterprise. Their project role includes overall project management, architectural design, production, and construction phase services (when required). Approximately three-fourths of the architectural and project management services will be provided by Miralles Associates, Inc.

Hunt and Company, Architects, although not a minority business enterprise, subscribes to and exceeds the goals of Affirmative Action policies. The firm's professional staff includes approximately thirty percent minorities and women.

Dora De Larios, the Fine Arts Consultant, will provide design input to the architectural team and will design art works to be included in the project.

In summary, the Design Team exceeds the Transit District's provisional goals for MBE/WBE participation. Although it is difficult to establish exact percentages of participation, we estimate that MBE participation will exceed 40% and that WBE participation will be approximately 3%.

The capacity of the lead firm to provide services is evidenced by recent project experience for the Transit District and by pertinent financial data included herein.



CROCKER NATIONAL BANK

BRAND-GLENOAKS #392
1000 NORTH BRAND BOULEVARD, GLENDALE, CALIFORNIA 91202

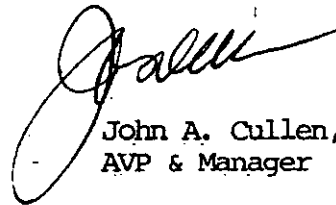
March 9, 1983

Adolfo Miralles, President
Miralles Associates
729 W. Woodbury Road
Altadena, Ca. 91001

Dear Adolfo:

Regarding The Southern California Rapid Transit District Metro Rail Continuing Engineering Project, this office would have no reservations in granting you a line of credit, as needed, should you obtain the indicated contract.

Sincerely,



John A. Cullen,
AVP & Manager

JAC:gs