



Central New York Chapter / American Institute of Architects
P.O. Box 6214 Syracuse, NY 13217 / (315) 437-0043

October 2, 1989

Maria Murray, Honorary AIA
Director, Awards Program
The American Institute of Architects
1735 New York Avenue, NW
Washington, D.C. 20006

Re: FAIA Nomination
Kermit J. Lee Jr., AIA

Dear Maria,

The Central New York Chapter AIA is proud to nominate Kermit J. Lee Jr., AIA for Fellowship. Enclosed you will find the required three copies of the three-ring binder submission, eight copies of Section 1A Digest of Achievements, and seven copies of the outstanding Reference Letter.

Kermit Lee's unique approach to the "real world of Architecture" has a positive, eternal impression on each person he has contact with, from student to fellow professionals to Joe citizen.

As an individual, he has had a direct impact on the profession, both in education and practice. His educational beliefs have created an expertise in research and technology. He directs the present and future of architects thru his roles as educator and board memberships.

Kermit Lee's activities extend well beyond his profession and can briefly be summarized as follows:

SERVICE TO THE AIA

- Active local member
- Conducts IDP, Exam seminars and lectures
- Educational Liason with Syracuse University
- State and National presentations

EDUCATOR

- Leaves a positive, lifetime impression on his students
- Gives direction to the future of architecture
- Teaches the "process of thinking" and problem solving
- "Walking architectural resource"
- Numerous publications, competitions, awards and honors
- Visiting critic

PRACTICE

Maintains Firm practice
Projects reflect his philosophies of Design and the Environment
Worldwide experieces are used as Tools
Masterplanning and Design abilities are well recognized

SERVICE TO THE PROFESSION

NCARB - Writer and Grader of the A.R.E.
NYS Board for Architecture - Chairman and two, five year terms
NYS Association of Architects - Design Awards committee

CITIZEN ARCHITECT

Leadership and coordination of Minority Organizations
City Planning and Code committees
NYS Governor's committee on Times Square Redevelopment
Syracuse University Public liason

ENVIRONMENTAL ADVOCATE

Professionally and as a citizen
International Energy symposiums
Solid-waste to Energy research and implementation
Pollution prevention programs
Turns a waste problem into a positive energy resource

EXPERIENCED RESEARCHER

Excellent knowledge of Architectural precedents
Historical database to know what works and what won't
Technology knowledge - past, present, and future
Implementation of this knowledge thru his projects

Kermit Lee has personally directed my future and my goals thru relationships in education, practice and the AIA. As with many others before me, he has helped me understand and love our profession, to want to participate, give direction, and to make a difference.

We feel Kermit exemplifies the high standards of Fellowship and is a clear role-model for us all, as Architects and Citizens.

Should you have any questions, please call me at (315) 422-0201.
We are looking forward to a successful nomination.

Respectfully submitted,



Steven L. Busa, AIA
1989 CNY-AIA President
Fellowship Sponsor

SECTION 1: DIGEST OF ACHIEVEMENTS

While not mandatory, nomination categories should be limited to a maximum of two. The limit is strongly recommended to focus more clearly on the nominee's most outstanding categories of expertise. Do not exceed 150 words for each category.

PART A. DIGEST OF ACHIEVEMENTS

Kermit J. Lee Jr., AIA Central New York March 27, 1934
(Name of nominee) (Chapter) (Date of birth)

104 Berkeley Drive

Syracuse, New York 13210
(Full address and ZIP code)

Nominated by Central New York Chapter AIA for Achievements in
(Indicate "Chapter" or "Individuals")

Education and Research
(Category/ies; must conform to page 3) (Nomination year)

Sponsor: Steven L. Busa, AIA President
(Name and full address)

DAL POS ASSOCIATES-ARCHITECTS
4 Clinton Square • Suite 206
Syracuse, New York 13202

CATEGORY #1 Education

In addition to a full load in Design Studio and in lecture classes for twenty-two years, Kermit has developed a series of organization/programming methods that have increased the interactive relationships in students' understanding of roles of client, user and designer; manual workbooks for self-instruction in HVAC, lighting, water supply, vertical transportation, and integration of systems and building envelopes as design responsibilities rather than technical gestures. The strong relationships between design necessity and market/socioeconomic reality have been the cornerstones of his teaching and influence on several generations of students who have gone from several institutions as practitioners and teachers and continue to consult with and ask his advice in architectural and professional matters. His group of advisees annually exceeds the normal assignment, particularly in minority and women students who utilize his approach to information, to education, and to the variety in the "real world of Architecture".

CATEGORY #2 Research

Growing from early commissions in Solid Waste to Energy Facilities, Kermit Lee continues research and investigation in areas of wastes disposal, energy production and environmental enhancement using architectural methods and sophisticated technology. The nature and impact of Closed Loop Industrial Process; or those techniques to reduce waste, make energy, and provide useful products occupies his research activity. The formal facilities, relationship to building, siting and social technologies and parameters have led to patents, to proven problem solving techniques that advance the Scope of Architectural Services beyond form giving as applique, to form giving as an essential improvement to process, to safety, to occupancy, and to physical/visual environment. This research activity has shown innovative ways in which the programmatic, reiterative and critical criteria in Architecture may be applied to resolving problems in energy and the immediate environment, raising formerly held perceptions of industrial building to high art.

SECTION 1: DIGEST OF ACHIEVEMENTS

PART B. REFERENCES *

Name of Nominee Kermit J. Lee, Jr., AIA

- | | Name | Full Address & ZIP | Area Code & Phone Number |
|----|-------------------------------------|-------------------------------------|---|
| 1. | Robert T. Coles, FAIA | | Buffalo, NY 14203 716-842-2280 (o) |
| 2. | Jeh V. Johnson, FAIA | | Wappingers Falls, NY 12540 914-297-5524 (o) |
| 3. | Donald Ryder, FAIA | | NY, NY 10019 212-315-1010 (o) |
| 4. | Michael H. Spector, FAIA | 3111 New Hyde Park Rd. | 516-365-4240 (o) |
| | The Spector Group | North Hills, New York 11140 | |
| 5. | Sidney Shelov, AIA | One Stuyvesant Oval | 718-636-3405 (o) |
| | | New York, New York 10009 | 685-3754 |
| 6. | Dean Werner Seligmann, AIA | School of Architecture - Slocum 103 | 315-443-2256 (o) |
| | | Syracuse University | |
| | | Syracuse, New York 13244-1250 | |
| 7. | Sylvester Fletcher, | | 201-383-6111 (o) |
| | Soil Scientist/CEO | Newton, New Jersey 07860 | |
| | Energenesis Development Corporation | | |

* Of the seven references, a maximum of two may be other than AIA members.

SECTION 2: NOMINATION

1. Kermit J. Lee Jr., AIA of the Central New York Chapter AIA
(Name of nominee) (Chapter assignment)

and member of the AIA since 1968 is nominated for Fellowship for notable
(Election date)

contribution to the advancement of the profession of architecture in _____

Education and Research

(Category/ies; see Principles Underlying Advancement to Fellowship for a complete listing)

The nomination is made by: (check and sign either A or B)

A. Vote of governing board of Central New York Chapter AIA
(Name of component organization)

Arthur C. Friedel

Oct. 3, 1988

(Signature and title of chapter president or secretary)

(Date)

Arthur C. Friedel, AIA President CNY-AIA

B. Individual members and/or Fellows as follows:

Written Signature and Date

Typed Signature and Chapter

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

2. The nominators designate the following member to be the sponsor of the nomination:

Name Steven L. Busa, AIA CNY-AIA Phone (315) 422-0201

Address Dal Pos Associates, Architects-AIA, 4 Clinton Sq., Syracuse NY 13202

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SECTION 2: NOMINATION

1. Kermit J. Lee Jr., AIA of the Central New York Chapter
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The nomination is made by: (check and sign either A or B)

A. Vote of governing board of Central New York Chapter AIA
(Name of component organization)

Steven L. Busa, AIA President
(Signature and title of Chapter president or secretary)

007. 2, 1989
(Date)

Steven L. Busa AIA , President

B. Individual members and/or Fellows as follows:

Written Signature and Date

Typed Signature and Chapter

2. The nominators designate the following member to be the sponsor of the nomination:

Name Steven L. Busa, AIA Phone (315) 422-0201

Address Dal Pos Associates, Architects-AIA, 4 Clinton Sq., Syracuse NY 13202

SECTION 3: PROFILE

(Additional sheets may be inserted, but please be concise.)

TYPEWRITING ONLY

1. Nominee's name Kermit J. Lee, Jr., A.I.A.
2. Nominee's mailing address 104 Berkeley Drive, Syracuse, New York 13210
3. Nominee's firm name and address Skoler & Lee Architects, P.C.
1004 University Bldg., Syracuse, NY 13202 Phone (315) 422-2191
~~and Syracuse University School of Architecture, Syracuse, New York 13244~~
4. Nominee is registered or licensed to practice architecture in the states or territories of
Massachusetts, New York, Germany (Niedersaxony), Switzerland (Zurich); NCARB Certificate
5. Nominee is engaged in the profession of architecture as Architect / Educator
6. Nominee's date of birth March 27, 1934
7. Place of birth Springfield, Massachusetts
8. Nominee's education

- A. High school, college or university, postgraduate school, etc.
(in chronological order from earliest to most recent):

Name/Location	No. of Years	Year of Graduation	Degree
Technical High School Springfield, Massachusetts	3	1951	Honors
Syracuse University Syracuse, New York	5	1957	B. Arch Magna Cum Laude
Techn. Hochschule, Braunschweig, Germany	1.5	1959	Certificate State Dept.

B. Scholarships received by nominee:

9. Other data concerning nominee's record:



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SECTION 3 PROFILE (continued)

4A

9. AWARDS/BACKGROUND:

Student Medal, AIA	1957
Alpha Rho Chi Medal	1957
New York Society of Architects (AIA) Medal	1957
Class Marshall, College of Fine Arts	1957
Dean's List, 5 years	1952-1957
Syracuse Society of Architects (AIA) Sketch Award	1955, 1956
Phi Kappa Phi Honorary	1956
Gargoyle Society	1955
Tau Sigma Delta Fine Arts Honorary	1955
Sigma Upsilon Alpha Architecture Honorary	1953

PUBLICATIONS:

- a. Cover Design: Funnel, May 1959, Magazine of Fulbright Comm. in Germany
- b. Article with sketches: Funnel (see above), July 1959
- c. Sketches: Accompany article, SBB Bahnhof, Werk Magazine, 2/64
- d. Photographs: Accompany article, SBB Bahnhof Dachconstruction, Schweizerische Bauzeitung, Feb. 1964
- e. Essay, "Historicism and Morphology of City Form", in Essays Presented to D.K. Sargent; publ. by Syracuse University School of Architecture, 1971.
- f. Essay, "Form and Pattern in American Cities" prepared for First International Symposium in Housing Problems; Wayne University; Detroit, Michigan, 1974.

COMPETITION AWARDS:

- a. Kermit J. Lee, Jr., Urban Designer: City Center Urban Design of Rendsburg, Germany; First prize, 1958.
- b. Nordweststadt Frankfurt, Germany; with A. Finger and W. Seligmann; Honorable Mention, 1958.
- c. Railroad Station for Swiss National Exposition, Lausanne, Switzerland; First prize with P. Zoelly, Zurich, 1963.
- d. Parish House, Thalwil, Switzerland, with P. Zoelly; Purchase Prize, 1963.
- e. Moleson-Gruyere Planned Community; with P. Zoelly; Second prize, 1965.

ORGANIZATIONS:

- a. American Institute of Architects
- b. Central New York Chapter AIA
- c. National Organization of Minority Architects
- d. New York Coalition of Black Architects
- e. American Association of University Professors
- f. Fulbright Alumni Association



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SECTION 3 PROFILE (continued)

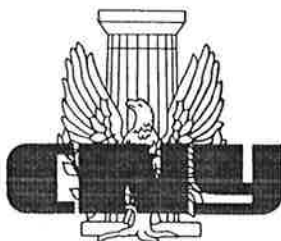
4B

AFFILIATIONS:

- a. Swiss Overseas Architects and Consulting Engineers
- b. Multi Transa CV - Bandung, Indonesia
- c. Who's Who in America
- d. "American Heritage" Bicentennial Resource Listing
- e. Who's Who Among Black Americans

PUBLIC SERVICE/PROFESSIONAL SERVICE

- a. Chancellors Committee for Minority Community Relations; Syracuse University, Syracuse, NY 1970
- b. Chancellors Committee for Academic Innovation, Syracuse University, Syracuse, NY 1971
- c. City Charter Revision Committee, City of Syracuse 1972
- d. Building Code Board of Appeals, City of Syracuse 1970-
- e. Design Committee, American Institute of Architects 1973-1975
- f. Steering Committee for Conference on Design Issues AIA; Snowmass, Col. 1975
- g. Moderator; Energy Symposium; jointly sponsored by Syracuse University Institute for Energy Research, CNY/AIA 1975
- h. Radio Interview, "Architects Are People Too", WCNY FM 93.1, for CNY/AIA 1976
- i. Graphic Exhibit: Energy Fair - N.Y. State Energy Office, South Mall (Concourse) Albany, NY 1977
- j. Appointed New York State Board for Architecture by New York State Board of Regents 1979
- k. Television Panel: Newsprobe, Channel 3, Syracuse, NY - Solid Waste and Energy 1978
- l. Technical Consultant to Onondaga County Citizens Energy Committee 1979
- m. Testimony "Waste to Energy Development Plan", U.S. Department of Energy Public Hearing Rule Making, Phoenix, Arizona (invited) 1980
- n. Juror, NYSAA/AIA Annual Awards Program 1982
- o. Television Appearance: Art Goodwin Show, Channel 5, in observance of Architects Week, NYSAA/AIA 1982
- p. Reappointment, Second Term, NY State Board of Architecture 1984
- q. Appointment by Gov. Mario Cuomo, to Cultural Advisory Committee for the Times Square Redevelopment Project 1985



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SECTION 3 PROFILE (continued)

4C

10. PROFESSIONAL EXPERIENCE

- a. Elroy Webber, Arch., Springfield, MA Summer, 1953
- b. Alderman & MacNeish, West Springfield, MA Summer, 1954,
1955, 1956
- c. Draftsman/Designer
Coletti Brothers; Boston, MA 5/57 - 10/57
- d. Designer
C.H. Erickson, Lexington, MA 10/57 - 8/58
- e. Goderitz and May, Stadebau
(City Planners); Braunschweig, Germany 9/58 - 10/59
- f. Sargent, Webster, Crenshaw & Folley
Arch., Eng., Planners; Syracuse, NY 3/60 - 8/60
- g. Facilities Designer GS-11
Chief Architect GS-12
Headquarters 7480 Sup. Gp.
AFEX (Civilian) Wiesbaden, Germany 8/60 - 3/63
- h. Office Chief (Burochef), Chief Designer
Pierre Zolley, AIA, BSA
Zurich, Switzerland 3/63 - 6/66
- i. Chief Architect
Witt and Van Keusen
Syracuse, NY 6/66 - 9/68
- j. Kermit J. Lee, Jr., AIA
Architecture and Urban Design 9/68 - 1/70
- k. Architects Partnership/Lee, Scarbrough, Skoler 1/69 - 1/72
- l. Skoler and Lee, Architects, PC
Syracuse, NY 1/72 - present
- m. Initial Appointment to Faculty,
Syracuse University School of Architecture 6/66
Assistant Professor 6/66 - 6/67
Associate Professor 6/67 - 6/73
Tenure 6/73
Professor of Architecture and Urban Design 6/73 - present
Faculty Associate, Syracuse University
Institute for Energy Research 1979 - present
Visiting Professor of Architecture;
Cornell University, Ithaca, NY 1987 - present

SECTION 4: EDUCATION

Type each numbered item on a separate sheet.

1. List the educational positions held by the nominee and period each was held:

Position	From	To
-----------------	-------------	-----------

2. Describe the nominee's achievements in education that are considered notable contributions to the advancement of the profession:

3. List the significant awards, honors, and recognition accorded by the Institute and other professional, governmental, or civic organizations for the nominee's work in education.
[List various types of awards together, i.e., AIA awards (national, regional, local), community service awards, etc.]

4. List the books or articles written by or about the nominee in connection with education:

Author	Title of Book or Article	Publication Date	Publisher
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SECTION 4 EDUCATION

7A

1. EDUCATIONAL POSITIONS HELD:	(FROM - TO)
Lecturer, Boston Architectural Center	9/57 - 6/58
Asst. Prof., Syracuse University School of Arch.	9/66 - 6/67
Assoc. Prof., Syracuse University School of Arch. (Tenure received)	9/67 - 6/73
Lecturer, Core Program, Fine Arts (Visiting) Colgate University; Hamilton, NY	9/68 - 6/64
Lecturer (Visiting) Design; Orange County Community College	10/73
Adjunct Assoc. Prof. of Arch., Columbia University Graduate School of Architecture and Planning	9/73 - 6/74
Visiting Critic: B.E.S.T. Program (Black Environmental Studies Team), Yale University	9/73 - 6/74
Prof. of Architecture and Urban Design, Syracuse University School of Architecture	9/74 - present
Visiting Professor of Architecture, Cornell University College of Arch., Art and Planning	9/87 - present



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SECTION 4 EDUCATION

7B

2. Nominee's Achievements In Education...

Lee, only the second black student to receive his degree from Syracuse University (1957) returned to his Alma Mater and Faculty in 1966, to pursue a career in education and the profession. For the ensuing twenty-two years, he has advanced to his present position as Senior Faculty/Tenured Professor at Syracuse University while contributing to the academic programs at several other institutions; participating on juries (Yale, Cornell, Harvard, MIT, Boston Arch. Center, Columbia, Institute for Urban Studies); participated in various roles as a spokesman for Architecture to the public; continued his research in waste, energy, and form and maintained a practice in architecture covering a full range of projects from single family homes to institutional buildings, urban studies, and large recreation and convention facilities.

Most notable among his contributions to the academic climate and program for teaching architects have been:

1. Development of a series of "work books" and methodological models (Open Response System, Lattice/Semi Lattice, Anthropysical Form Model) to correlate the mental activity of critique and iteration with the relative knowledges required by the Program and by Client/User Values: the combination of Physicality and Habitation that is Architecture.
2. Organization and publication (in-house) of self-teach manuals in: HVAC, Lighting and Electricity, Water Supply and Treatment, Vertical Transportation, which introduces students to the design decision opportunities as well as the scientific and rational basis in Environmental Control Systems.
3. Concentrated teaching activities in the real analysis and resolution of problems; use of current case studies; analogous materials relating professional and real world models to academic theory.
4. Annually maintains advising schedules with considerably more than assigned advisee load; particularly among minority and female students; foreign students (graduate and undergraduate). Advice and consultation is precise and comprehensive and continues through school and into professional life, with an unusually large number of "Alumni Practitioners" maintaining regular correspondence and inquiry for research, practical, and professional advice.



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SECTION 4 EDUCATION

7C

5. Represented Syracuse University School of Architecture while serving as Member, Vice-Chairman, and Chairman of New York State Board for Architecture over two terms. His area of concentration included: equivalency studies for foreign degrees in architecture; annual Dean's conference; participation in grading of NCARB/ARE (10); participation in writing of DIV. "C", A.R.E.
6. His service continues on Governor Cuomo's Citizen's Cultural Advisory Committee for Times Square Redevelopment Project. Currently underway through joint efforts of State Urban Development Corporation and City of New York, the Governor's Committee critiques, recommends and directs the socio-cultural and physical design situations of what will be the seminal opportunity in Civic Design and Urban Design (as far as New York City is concerned) for the most important "intersection" in the world today. Kermit is the only member of this active and influential committee from outside the New York City Area.



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SECTION 4 EDUCATION

7D

3. SIGNIFICANT AWARDS, HONORS, AND RECOGNITIONS...

Awards:

AIA (National):

- a. Student Medal, American Institute of Architects 1957
- b. Medary Fellowship, AIA 1960
- c. Design Committee, AIA 1972 - 1974

AIA (Local):

- a. Director, CNY/AIA 1970
- b. Delegate, National Convention 1972
- c. Certificate, Guest Author "Architecture", CNY/AIA 1987
- d. Chairman, Education Committee, CNY/AIA 1987

Government:

- a. Fulbright Fellowship, Braunschweig, Germany; U.S. State Department/U.S./German Fulbright Commission 1958
- b. Diplome, Swiss National Exposition; Lausanne, Switzerland 1964
- c. Grant, National Endowment for the Arts Design in Arts Program 1980- 1982

Civic:

- a. Juror, NAACP Olympics of the Mind Competition, Syracuse Chapter NAACP 1988
- b. Mentor, NAACP Olympics of the Mind Advising Committee - Science, Architecture) 1988
- c. Pioneer Award, Syracuse Black Leadership Council 1986

Other:

- a. Marquis' Who's Who in America current issue
- b. American Heritage, Bicentennial Resource Listing
- c. Who's Who Among Black Americans

University:

- a. Speaker/Panelist; Futures Convocation, Metropolis 2000 Syracuse University 1976
- b. Chancellor's Select Committee for Academic Innovation, Syracuse University 1972
- c. Senior Steering Committee for Mid-Atlantic States Accreditation of University 1987 - 1988
- d. Graduation Marshal current



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SECTION 4 EDUCATION

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4. BOOKS/ARTICLES...

AUTHOR	TITLE	PUBL. DATE	PUBLISHER
K. Lee	"Form and Pattern in American Cities"	Not Published	Wayne St. University
K. Lee	"Comments on the Environment for the Mentally Retarded..."	1972	Syracuse Law Review
K. Lee	"Historicism and the Morphology of City Form" (<u>Essays presented to D.K. Sargent</u>)	1971	S.U. School of Architecture
J. Hrominik	"Cities of the Future"	Fall, 1976	S.U. Alumni News
K. Lee	"Perspectives: Waste Not, Want Not"	May 3, 1984	S.U. <u>Record</u>
K. Lee	"Future of Licensing in the State of New York"	1987	CNY/AIA

SECTION 4: RESEARCH

Type each numbered item on a separate sheet.

1. List the projects in research undertaken by the nominee:

Project

Year

2. Describe the nominee's achievements in research that are considered notable contributions to the advancement of the profession:

3. List the significant awards, honors, and recognition accorded by the Institute and other professional, governmental, or civic organizations for the nominee's work in research.
[List various types of awards together, i.e., AIA awards (national, regional, local), community service awards, etc.]

4. List the books or articles written by or about the nominee in connection with research:

Author

Title of Book or Article

Publication Date

Publisher



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SECTION 4 RESEARCH

12A

1. PROJECTS COMPLETED

PROJECTS	YEAR
a. "Open Response Models in Justification of Architectural Form"	1969 - present
b. "Anthrophysical Form Models in Relation to Morphological Analysis"	1985 - present
c. Low-Growth Planning and Simulation: University of Avila, Caracas, Venezuela Case Study	1972
d. Urban Renewal Processes for the American Dependent Settlements; Heidelberg, W. Germany; with D. Lyon, USAREUR	1973
e. Solid Waste - Biomass Conversion; for S.U. Institute for Energy Research (European Plant Technology)	1976
f. "Construction of Iconic Model of Solid Waste Component in Comprehensive Energy Planning", Technical Assistance Grant; S.U. Institute for Energy Research	1977, 1978
g. Energy Recovery Through Pyrolysis: The Systems and The Buildings	1976
h. Resource Recovery: Low-Tech Means and The Building Types	1977
i. Formal Studies in Facilities for Alternate Energy Production; on-going	1979 - present



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SECTION 4 RESEARCH

12B

2. NOTABLE ACHIEVEMENTS...

Lee made conclusions in the relationship between observation, simulation, and iterative judgements necessary to resolve program variables at the time, between 1964 - 1970, when theoretical work in General Systems Theory was impacting on Architectural Design Methodology. For his lecturing and research, he found that most methodologies fell short in that very little acknowledgement of culture, historicism, physicality, and style actually came forward.

Concurrently, and as a result of participating in waste-to-energy and industrial commissions in Switzerland (1963-1966), he developed ideas for close-loop or continuous processing of waste to energy and cogeneration of useful by-products without polluting the environment.

Using the General Systems approach to recognize and associate various conditions, parameters, contexts, and knowledge, the research grew from rather simplistic and direct problem-solving to a circular research system where the simple postulate of What If...? became paramount to organizing every scale of response.

Generally, this suggests a scientific or philosophically complex base in physical chemistry and the scientific method, but the natural process of Architecture: Program, Process, Present; establishes an equally ordered base for dealing with energy, waste, and the environment.

The ensuing research has posed environmental and spatial problems as well as questions efficacy of known process to the point where he is now able to model an operational building type which responds to raw materials, to contextual environment, to environmental concerns, etc. This building type (building types) responds to aesthetic concerns and cultural design necessities at similar levels as the most monumentally-oriented buildings in our culture.

This research, which will be implemented in several buildings in New Jersey, processing poultry waste into electricity and fertilizer; in New York rendering Asbestos to non-toxic glass; and regionally in processing oil-impregnated steel waste into useful products.- has contributed to the profession of Architecture by suggesting and demonstrating that the design and formal processes of Architecture can result in forms that



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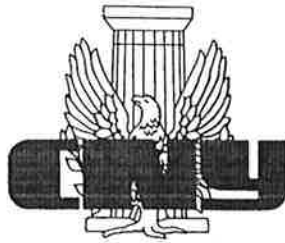
SECTION 4 RESEARCH

12C

appreciate the context and improve the visual environment as well as make positive commentary on processes vital to waste disposal, to energy production, and to creation of vital agricultural and manufacturing products. This is a constant demonstration of the complementary and vital diversity that Architecture presents, outlines an expanded role in industrial design and facility construction that Architects can not only participate in, but lead.

The research has served two significant areas:

1. As a connection or bridge between the concerns of the immediate population in terms of environmental degradation, pollution, energy scarcity, agritechnology, etc. as seen by a whole generation of Architecture students.
2. A model of what can be accomplished by Architects in an area other than the often chastised "consumption" or wasteful aspects of environmental concerns.



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SECTION 4 RESEARCH

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3. SIGNIFICANT AWARDS/RECOGNITION...

AIA/National:

- a. Speaker, AIA Convention, "A Line on Energy and Design"
- Minneapolis, Minnesota

AIA/Local:

- a. Speaker/Moderator; jointly-sponsored conference "Practical Approaches to Alternate Energy Systems", by CNY/AIA, Technology Club of Syracuse.

Research Grants/Exhibits:

- a. Technical Assistance Grant, Syracuse University Institute for Energy Research, 1977, 1978
- b. Graphic Exhibit, New York State Energy Office (with Syracuse University Institute for Energy Research)
- c. Exhibit: "Designs and Projects for Energy"; Gallery of Syracuse University School of Architecture, 1979
- d. Exhibit (see c. above) Institute for Architecture and Urban Studies, New York City, 1980
- e. Invited Lecture: "Industrial Archaeology: Notes on Linear Process", opening of exhibit at Institute for Architecture and Urban Studies, New York City, 1980.
- f. Grant, National Endowment for Arts Design in Art Program, 1980.



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SECTION 4 RESEARCH 12E

4. BOOKS/ARTICLES:

AUTHOR	TITLE	PUBL. DATE	PUBLISHER
K. Lee	"Explorations and Investigation in the Design of Alternative Energy Facilities"	Publication in progress (for 1989)	T.B.A.
K. Lee	Paper: "Energy Form Environment: Closed Loop Processes and the Impact of Architecture"	1989	----
K. Lee	"Energy Recovery Through Pyrolysis" - article	1976	Syracuse University
K. Lee	"Solid Waste Disposal and Energy Recovery" - article	1976	Syracuse University
K. Lee	"Energy Components in Structured Growth Models of the Urbanization Process in Developing Countries"	in process	

Numerous Research Reports, Planning Studies

SECTION 5: EXHIBITS (PHOTOGRAPHIC)

List the photographs that follow this page:

	Project	Location	Year of Completion
1.	Chapman Hydroelectric Installation Project	Manlius, New York	Research project Completed 1982
2.			
3.			
4.	Solid Waste Fueled Alcohol Distillery (Case Study)	Volney, New York	Research and Design Project Completed 1982 NEA Grant
5.			
6.			
7.	Tiara Rug Factory	Appenzell, Switzerland	1966
8.	Railroad Station Swiss National Exposition	Lausanne, Switzerland	1964
9.			
10.	Rochester Convention Center	Rochester, New York	1983
11.			
12.			
13.	Kezo Powerplant	Zurich, Switzerland	1964-1965 2 Phases
14.			
15.			



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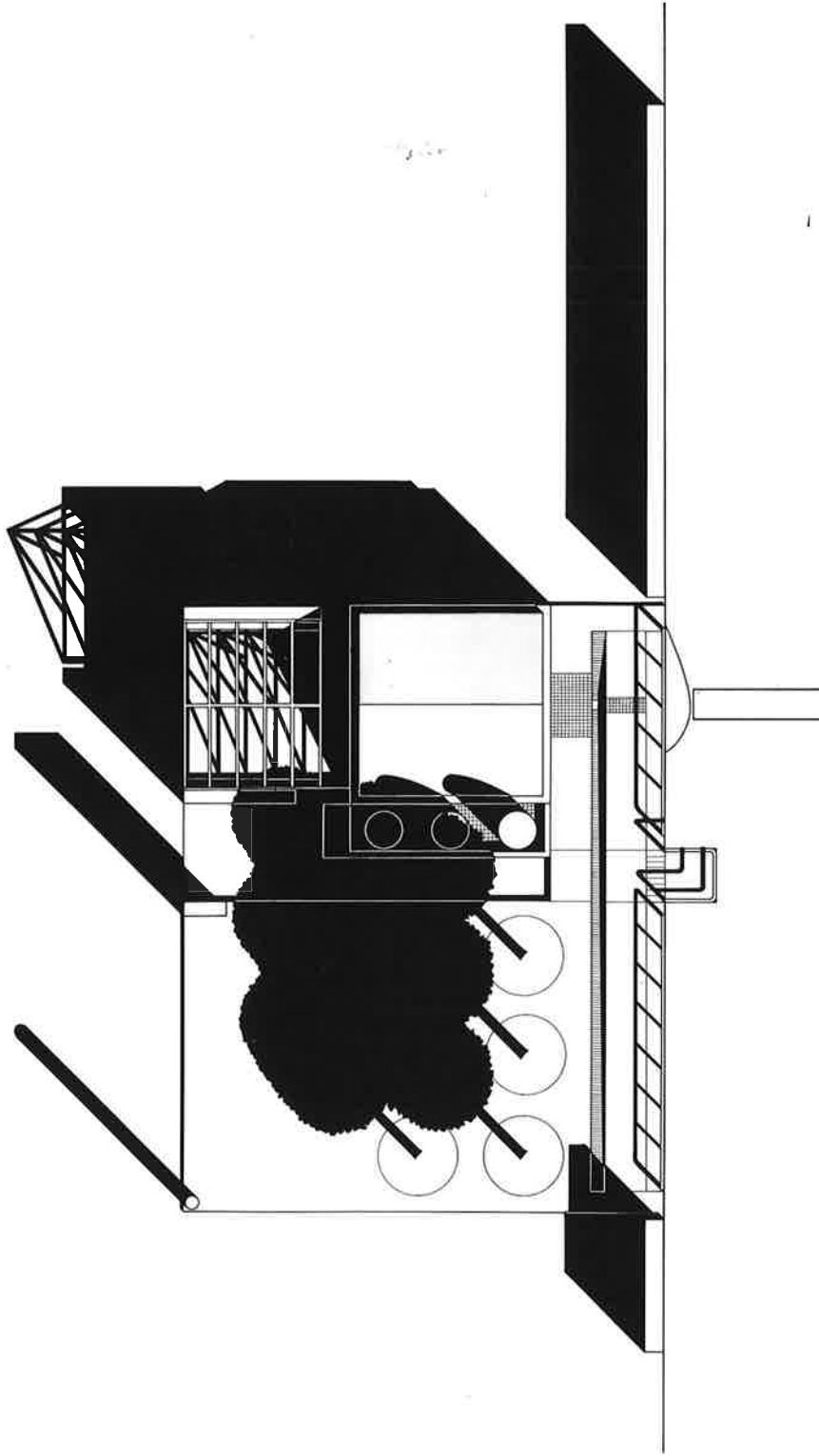
Chapman Hydro
Edwards Falls, Manlius N.Y. 1979-82

Mr. John Chapman, Owner
Kermit J. Lee, Jr., AIA - Designer/Planner; Research and
Development

Project for the Conceptualizing, Design, and Development of a .8 Megawatt Hydro electric installation on an abandoned watercourse formerly used to generate electricity for the Syracuse Trolley System. Permits based on designs (as shown here) were instrumental in securing permits and authorities for the installation from Federal, State, and Local authorities.

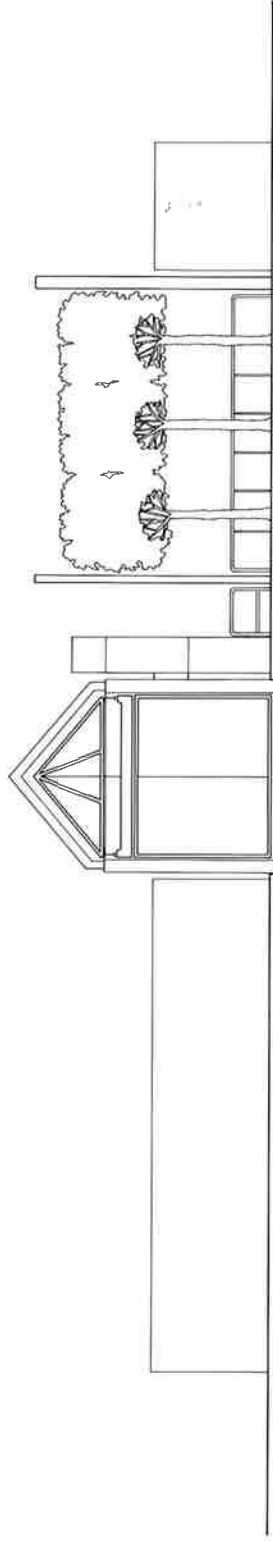
Design responsibility to develop acceptable building forms and landscaping for installation to serve as part of educational energy park. Project delayed indefinitely because of health of Owner/operator.

Project was included as Case Study in manuscript: Investigation and Exploration in the Design of Alternative Energy Facilities; by Kermit J. Lee, Jr., completed as requirement under National Endowment for the Arts "Design in Architecture" Research Grant, 1980-81



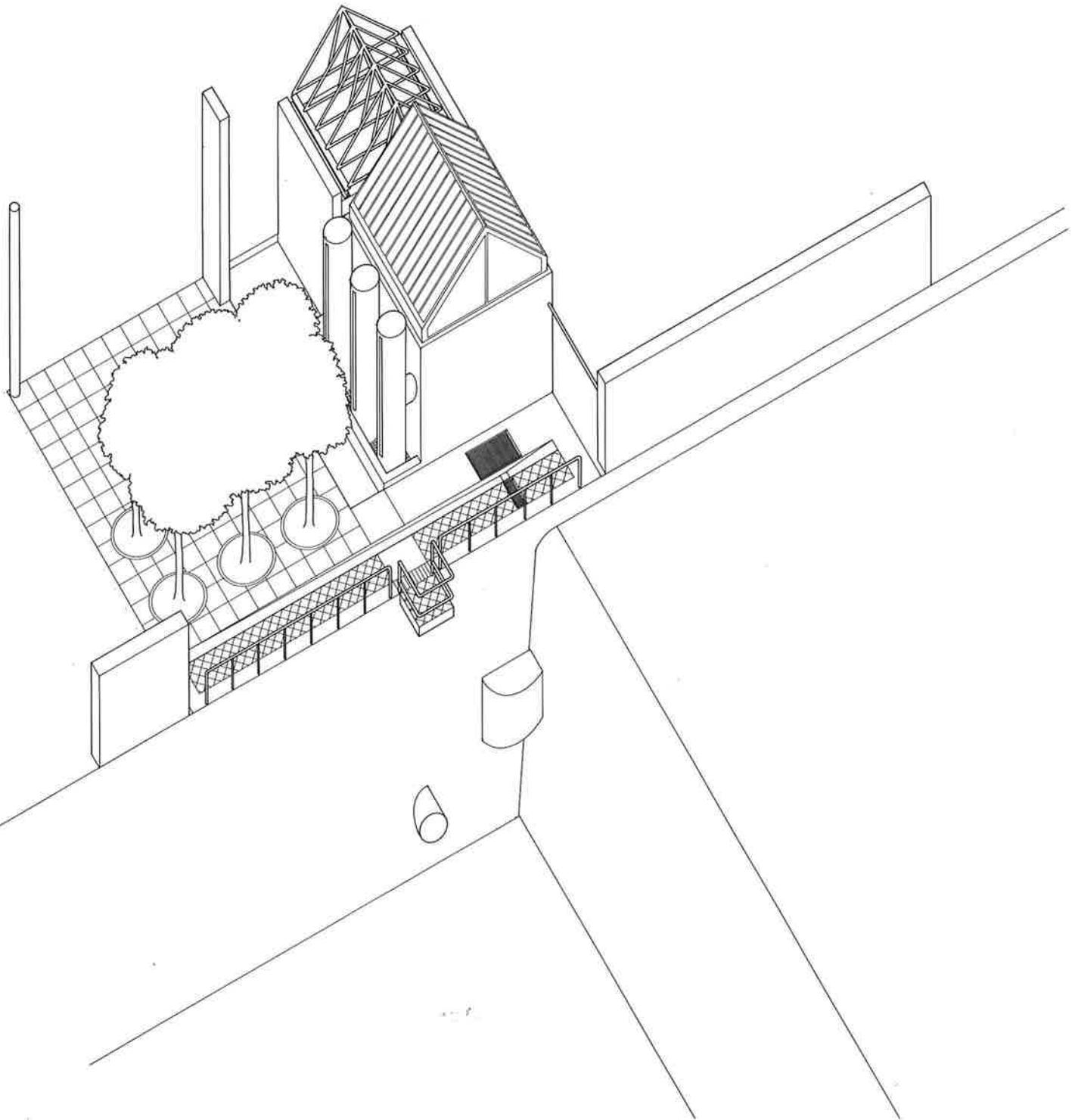
1-3
ARCHITECT OF RECORD *Kermit J. Lee, Jr., AIA*
DESIGNER *Kermit J. Lee, Jr., AIA*
PROJECT *CHAPMAN HYDRO, Manlius N.Y.*
DATE *1979-82*
AUTHORSHIP: CHECK ONE

- Solely Responsible for Design
- Largely Responsible for Design
- Design Under Direction of Nominee
- Nominees Firm Executed Design
- Other, explain



1-3
ARCHITECT OF RECORD *Hermit J. Lee, Jr., AIA*
DESIGNER *Hermit J. Lee, Jr., AIA*
PROJECT *CHAPMAN HYDRO, MANLIUS N.Y.*
DATE *1979-82*
AUTHORSHIP: CHECK ONE

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- Design Under Direction of Nominee
- Nominee Firm Executed Design
- Other, explain



1-3

ARCHITECT OF RECORD *Kermit J. Lee, Jr., AIA*
DESIGNER *Kermit J. Lee, Jr., AIA*
PROJECT *CHAPMAN HYDRO, Manlius N.Y.*
DATE *1979-82*
AUTHORSHIP: CHECK ONE

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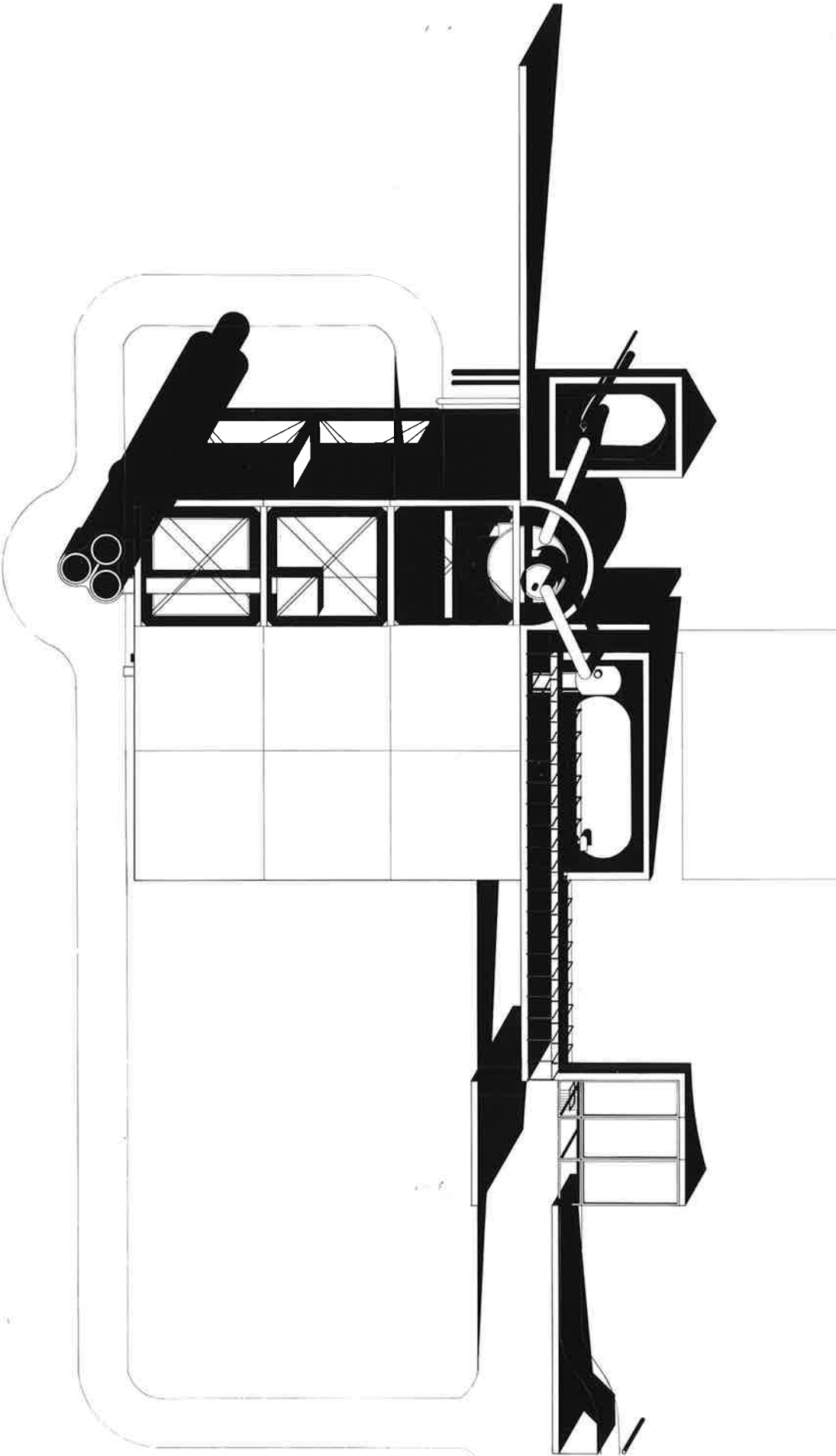
Volney Ethanol Project; Volney, N.Y. 1981

Mr. Irwin Davis, Client of Record
Kermit J. Lee, Jr., AIA Designer/Planner, Energy Concepts

Initial programming, planning, design documentation for conceptual use of solid municipal waste to fuel ethanol distillation plant. Facility to be located in Dairy Farm/Corn Growing part of north central New York.

Design responsibility to develop technology and structures to be operated by a Farm Cooperative, mfg. of Ethanol to be used in Gasohol combinations from indigent no. 2 corn fueled by the light fraction of local refuse. The structure is partially subterranean to minimize visual profile and increase energy efficiency in-house

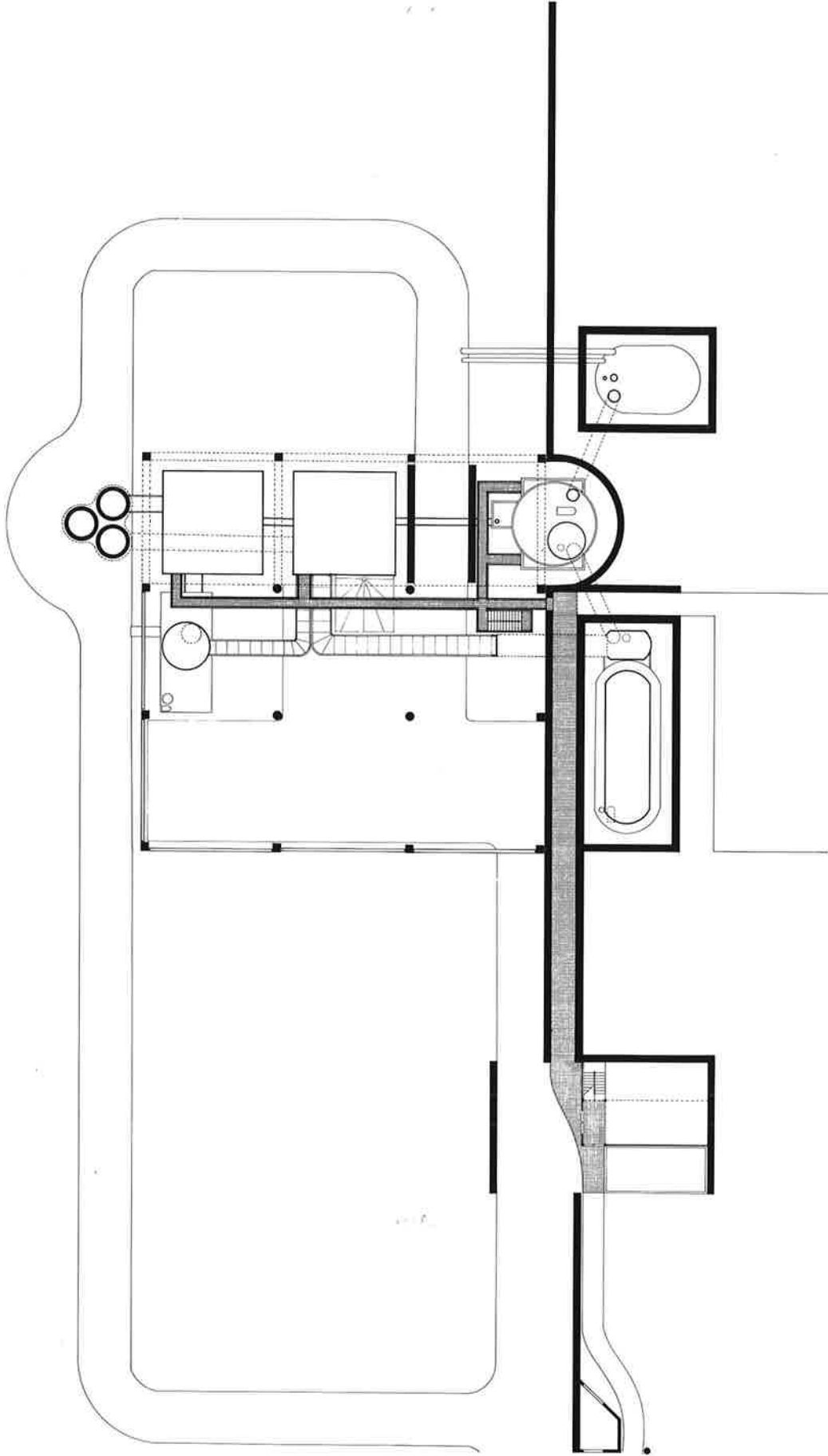
Project was included as Case Study in manuscript: Investigation and Exploration in the Design of Alternative Energy Facilities; by Kermit J. Lee, Jr., completed as requirement under National Endowment for the Arts "Design in Architecture" Research Grant, 1980-81



4-6

ARCHITECT OF RECORD *Kermit J. Lee, Jr., AIA*
DESIGNER *Kermit J. Lee, Jr., AIA*
PROJECT *Volney Ethanol, Volney N.Y.*
DATE *1981*
AUTHORSHIP: CHECK ONE

- Solely Responsible for Design
- Largely Responsible for Design
- Design Under Direction of Nominee
- Nominee's Firm Executed Design
- Other, explain

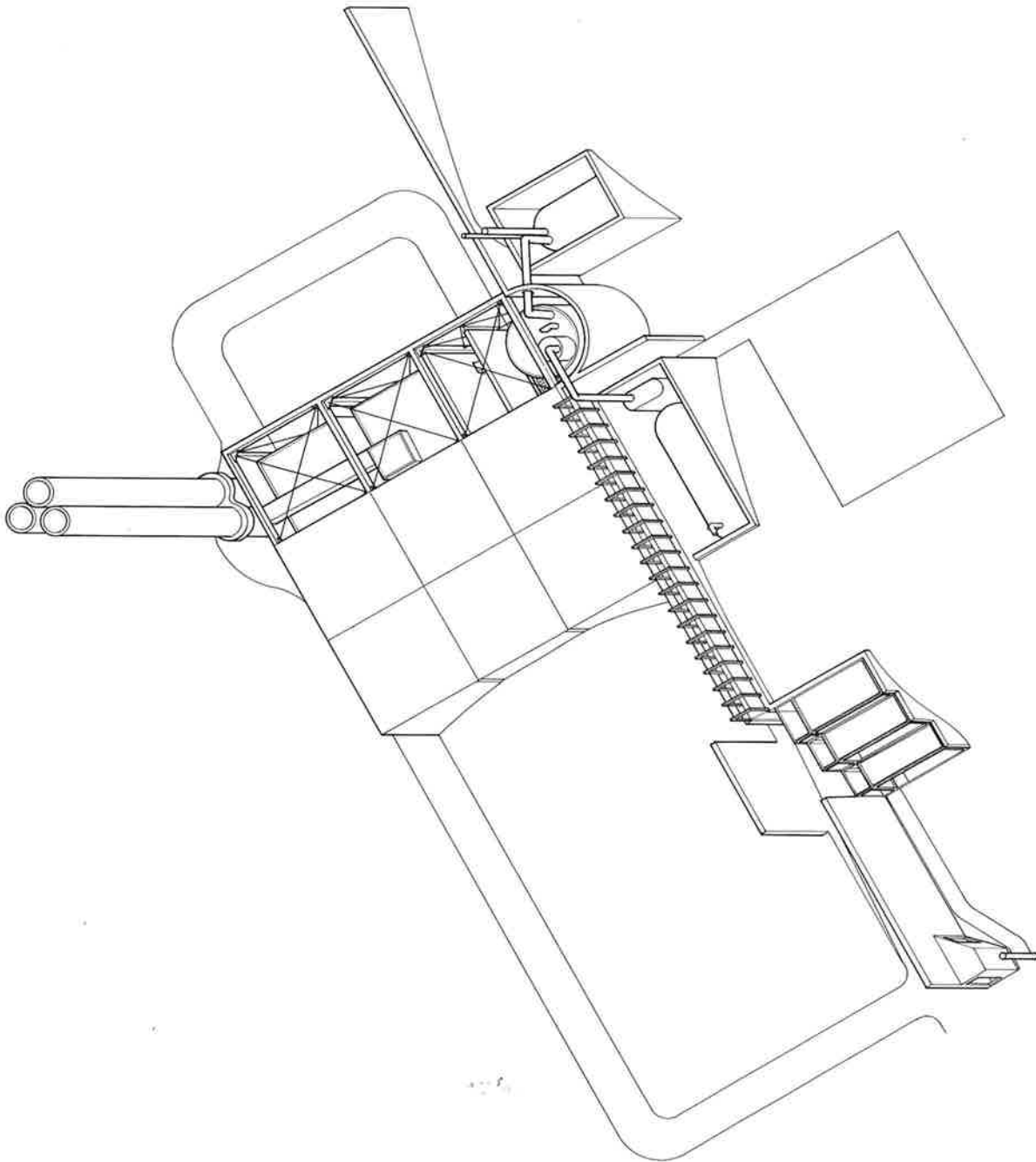


4-4

ARCHITECT OF RECORD *Kermit J. Lee, Jr., AIA*
DESIGNER *Kermit J. Lee, Jr., AIA*
PROJECT *Volney Ethanol, Volney N.Y.*
DATE *1987*

AUTHORSHIP: CHECK ONE

- Solely Responsible for Design
- Largely Responsible for Design
- Design Under Direction of Nominee
- Nominee Firm Executed Design
- Other, explain



4-6

ARCHITECT OF RECORD *Kermit J. Lee, Jr. AIA*
DESIGNER *Kermit J. Lee, Jr. AIA*
PROJECT *Volney Ethanol, Volney N.Y.*
DATE *1981*
AUTHORSHIP: CHECK ONE

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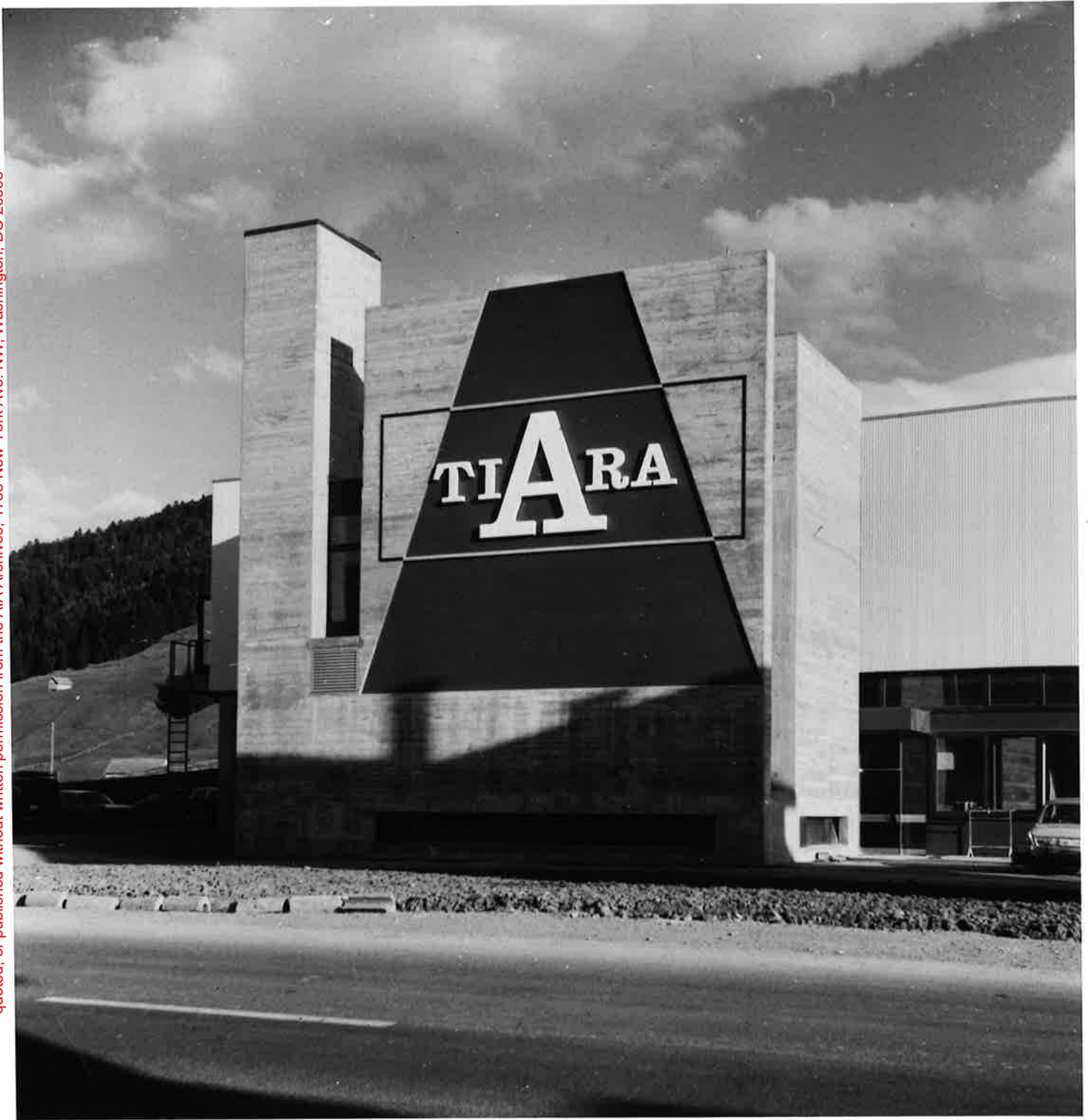
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Tiara

Tischhauser Floor Covering Factory, Appenzell
Switzerland - 1966 Pierre Zoelly, SIA, AIA Architect
Kermit J. Lee, Jr., Architect, Associate Design/Construction

Manufacturing Plant to produce latex-backed carpets, plastic sheathing and other floor-covering and building products. Building, designed and constructed as first building in Switzerland based on CPM (Critical Path Method) Scheduling to parallel construction of looms and equipment for arrival in operational facility. Design requirements resolved by developing a comprehensive "head" (see Photo) building attached to a rather straightforward "body" containing machinery and work stations. Future expansions (of which there have been two) would take place in the manufactory while the head, containing mechanical, electrical, and administrative services would remain as a constant volume.

Building of Concrete and steel frame; "Tettovinyl" plastic panels (patented by Owner) at factory level; Head building of reinforced concrete. Site at base of Disentis Mountain, Appenzell, A.R. - Northeast of Zurich, Switzerland.



7.

ARCHITECT OF RECORD *PIERRE ZOELLY, SIA, AIA (ZURICH, SWITZ)*
DESIGNER *Kermit J. Lee, Jr.*
PROJECT *TIARA - FLOOR FINISHING, Appenzell Switz.*
DATE *1966*
AUTHORSHIP: CHECK ONE

- Solely Responsible for Design
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Expo Bahnhof

Railroad Station for Swiss National Exposition -
Lausanne, Switzerland 1964

Pierre Zoelly, SIA, AIA, Architect
Kermit J. Lee, Jr., Chief Associate/Design, Construction

National Competition Winner, Switzerland, 1963. Temporary
Station for Swiss National Exposition, 1964. Station
primarily catenary suspension system of cables hung from
premade steel towers supported by concrete piers; roof of
asbestos cement panels on wooden substructure - all
components, except concrete piers calculated for re-use
in new and existing railroad stations of Swiss National
Railroad.

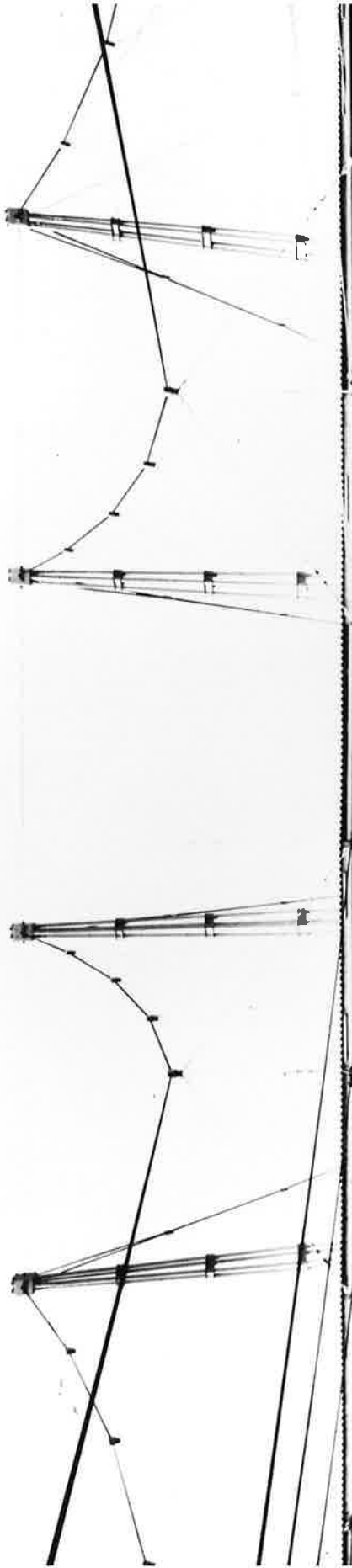
Design problem to shelter arrival/departure passengers
arriving at Exposition entrance utilizing automated trains
from all parts of Switzerland. Site was former landfill west
of downtown Lausanne, Switzerland.



8.9

ARCHITECT OF RECORD *PIERRE ZOELLY, SIA, AIA*
DESIGNER *Hermit J. Lee, Jr.*
PROJECT *Railroad Station, Swiss National Exposition*
DATE *1964*
AUTHORSHIP: CHECK ONE

- Solely Responsible for Design
- Largely Responsible for Design
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- Other, explain



8,9

ARCHITECT OF RECORD, *PIERRE ZOELY, SIA, AIA*
DESIGNER *Hermit J. Lee, Jr.*
PROJECT *Railroad Station, Swiss National Exposition*
DATE *1964*
AUTHORSHIP: CHECK ONE

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Rochester Riverside Convention Center, Rochester
New York, 1980-83

James Stewart Polshek and Partners, Architects
Skoler & Lee, Architects, P.C. Associated Architects
Kermit J. Lee, Jr., AIA Principal in Charge (Skoler & Lee)

Downtown Convention Hall/Center for City of Rochester.
215,000 Sq. foot structure housing 80,000 S.F. Exhibition
Space, Ballroom and Banquet services; 25 meeting rooms
with audio-visual and handicapped accessibility; Winter
Garden along Genesee River side and site for private and
city events.

Building, winner of PA Design Awards and other honors,
of concrete and steel construction with finish surfaces
of granite and coated steel panels.

Responsibilities as Assoc. Architects included: Design
Development and Construction Documentation and Adminis-
tration of Public Cores, stairs, elevators, Toilets/Rest
Rooms: Interior doors, hardware, partition types/design;
movable curtains, doors, hardware; handicapped provisions,
interior finishes/designs; design/construction coordination,
etc. Total cost ca. \$ 27 Million.



10-12

ARCHITECT OF RECORD James Stewart Polshek & Partners
DESIGNER J.S. POLSHEK with Skoler & Lee, Architects
PROJECT Rochester Riverside Convention Center
DATE 1983
AUTHORSHIP: CHECK ONE

*James Stewart Polshek & Partners
Architect (as Assoc. Architects)*

- Solely Responsible for Design
- Largely Responsible for Design
- Design Under Direction of Nominee
- Nominees Firm Executed Design
- Other, explain



10-12

ARCHITECT OF RECORD *James Stewart Polshek & Partners*
DESIGNER *J.S. POLSHEK with Skoler & Lee, Architects (as Assoc. Architects)*
PROJECT *Rochester Riverside Convention Center*
DATE *1983*
AUTHORSHIP: CHECK ONE

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- Nominees Firm Executed Design
- Other, explain



10-12

ARCHITECT OF RECORD *James Stewart Polshek & Partners*
DESIGNER *J.S. POLSHEK with Skoler & Lee, Architects (as Assoc. Architects)*
PROJECT *Rochester Riverside Convention Center*
DATE *1983*
AUTHORSHIP: CHECK ONE

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Kezo

Kerichtsverbrennanlage Zurich Oberland - 1967 Phase I
Pierre Zoelly, SA, AIA Architect
Kermit J. Lee, Jr., Collaborator

Solid waste to electricity power plant in the suburban countryside of Zurich Switzerland; built in response to mandated Swiss environmental protection Standards.

Building of concrete frame, precast (movable) light weight infill panels to facilitate expansion (plant has been expanded in size and capacity three (3) times). Design charge to accommodate and process 275 Tons (daily) of Mixed Municipal Refuse to electricity and inert ash/aggregate.



13. ARCHITECT OF RECORD *PIERRE ZOBELY, SIA. AIA*
DESIGNER *KERMIT J. LEE JR.*
PROJECT *KERICHVERBRENNANLAGE ZÜRICH, STAGE NO.1*
DATE *1966/67*
AUTHORSHIP: CHECK ONE

- Solely Responsible for Design
- Largely Responsible for Design
- Design Under Direction of Nominee
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- Other, explain