

# ARCHITECTURE

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# **Architecture Photos**

by David Fisher



# Architecture as a Career

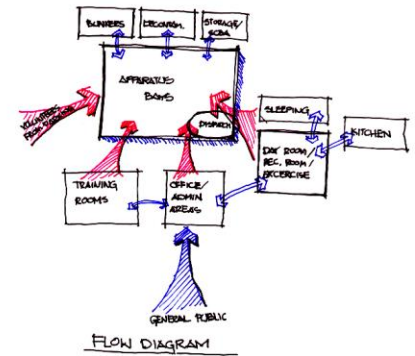
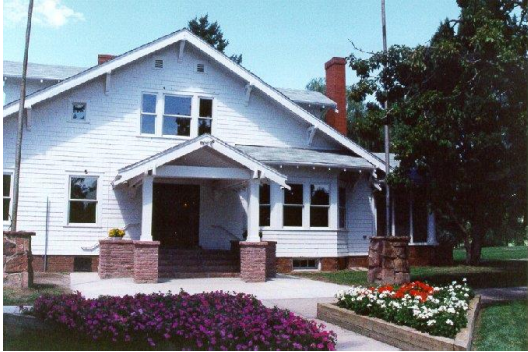
- Why become an Architect?
- Is it rewarding and fun?
- What does an Architect really do?
- Course of studies – Education
- Do Architects only design buildings?
- Opportunities in Architecture
- Licensing as an Architect

# Architectural Firm Profile

- Many architectural firm have experience working with government agencies, schools boards, homeowner associations, private clients and many other various committees.
- A firm of individuals joined together by a commitment to be creative while providing a beautiful yet functional design.
- A firm with a strong identity and commitment to our clients and our ourselves.
- A firm with a strong commitment to sustainability and green building design.

# Fisher Associates Architects Project Photos

Representative Project



# Services Provided by an Architectural Design Team

**The type of services provided to clients include:**

- **Architect ~ team leader**
- **Mechanical engineering**
- **Electrical engineering**
- **Structural engineering**
- **Civil engineering**
- **Landscaping**
- **Interior Design and Layouts**
- **Other specialties as the project requires**



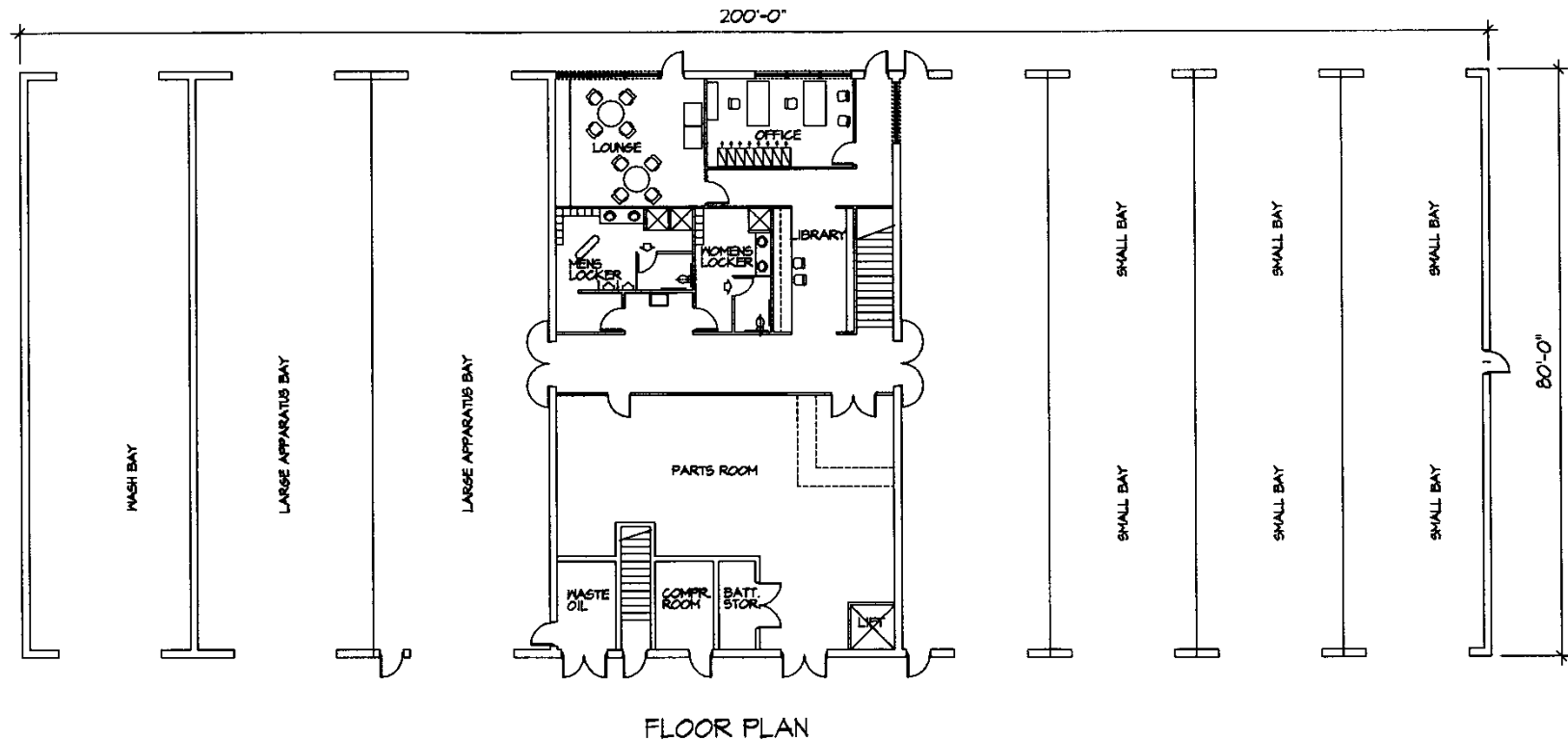
# Pre-Design Process...

- **Develop Questionnaire**
- **Visit Other Facilities**
- **Program Meetings to Develop a Written Program**
  1. **Building Program**
  2. **Site Development and Civil Engineering Needs**
  3. **Master Plan**
- **Code and Zoning Research**
- **Understand Goals, Think About Details, Analyze Site and Apply Reality**
- **Finalize Space Needs Program**
- **Review, Modify, Approve and Publish Written Program**

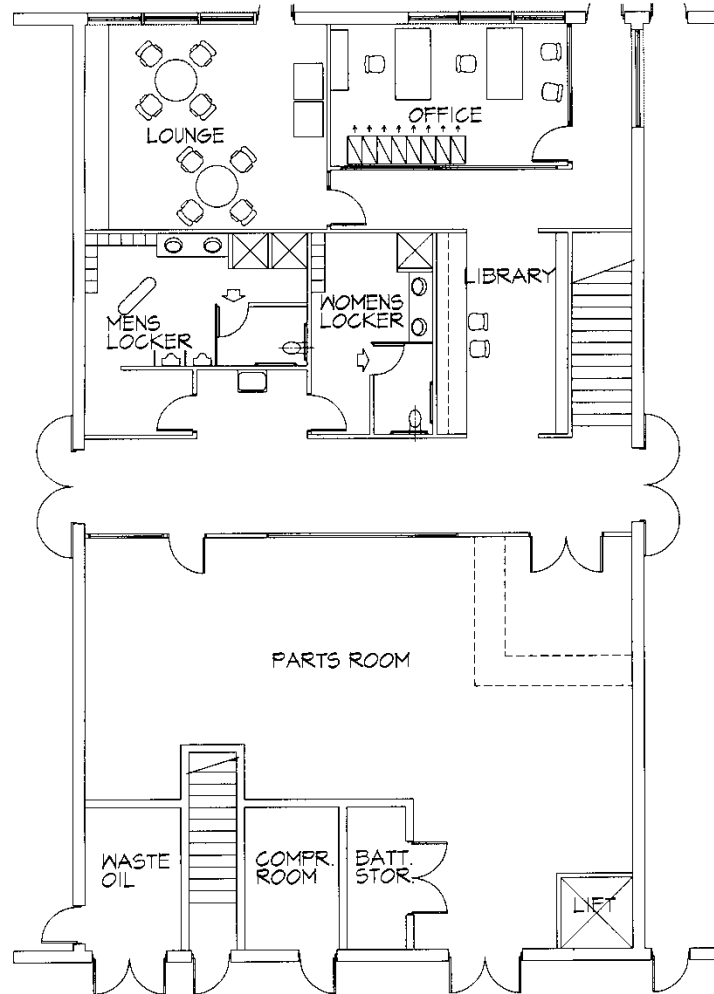
# Schematic Design Process...

- Assist in Site Selection & Evaluation
- Prepare Conceptual Floor Plans
- Prepare Conceptual Site Plans
- Develop Building Elevations
- Quality Assurance
  1. Do Plans Meet Program Needs and Established Budget
  2. Does Design meet Building Code Requirements
  3. Does Site Plan Accommodate Other Users
- Prepare Budget Analysis
- Review and Modify as necessary to meet all requirements
- Receive Approval of Designs

# Preliminary Floor Plan



# Preliminary Floor Plan



# Design Development Process...

- **Finalize Site Plan, Floor Plans, Sections and Elevations**
- **Structural Design**
- **Mechanical Design**
- **Electrical Design**
- **Civil Engineering**
- **Materials and Finishes**
- **Prepare Statement of Probable Construction Cost**
- **Submittals to Owner for Approvals**
- **Receive Approval of Designs**

# Construction Documents

- **Architectural**
- **Structural**
- **Mechanical**
- **Electrical**
- **Civil Engineering**
- **Finalize Materials, Finishes and Details**
- **Specifications**
- **Review and Update Statement of Probable Construction Cost**
- **Submittals to Owner for Approvals**
- **Review and Modify as Necessary**
- **Release for Bidding**

# Bidding and Negotiation Process...

- **Release documents to Contractors, Sub-Contractors, Plan Rooms, etc.**
- **Submit to Building Department for Review**
- **Respond to Inquiries and Questions**
- **Prepare Addenda**
- **Assist in Pre-Proposal Meeting**
- **Assist in Receipt of Bids**
- **Make Recommendations for Award**
- **Assist in Preparation of Contract**

# Construction Administration

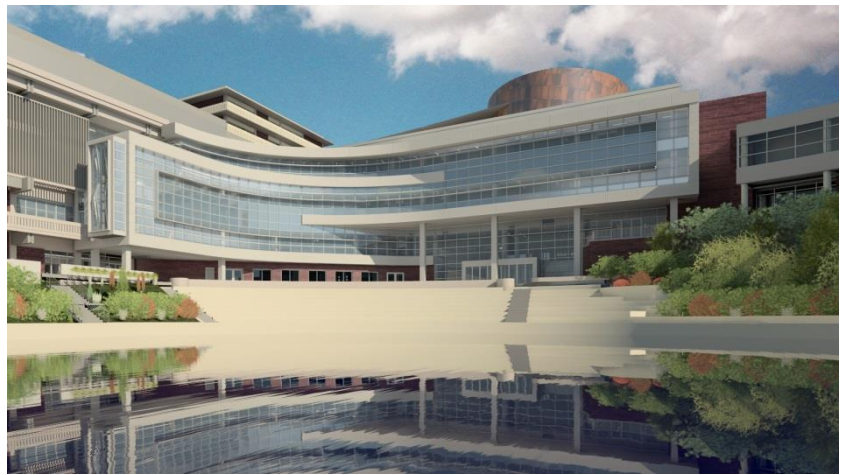
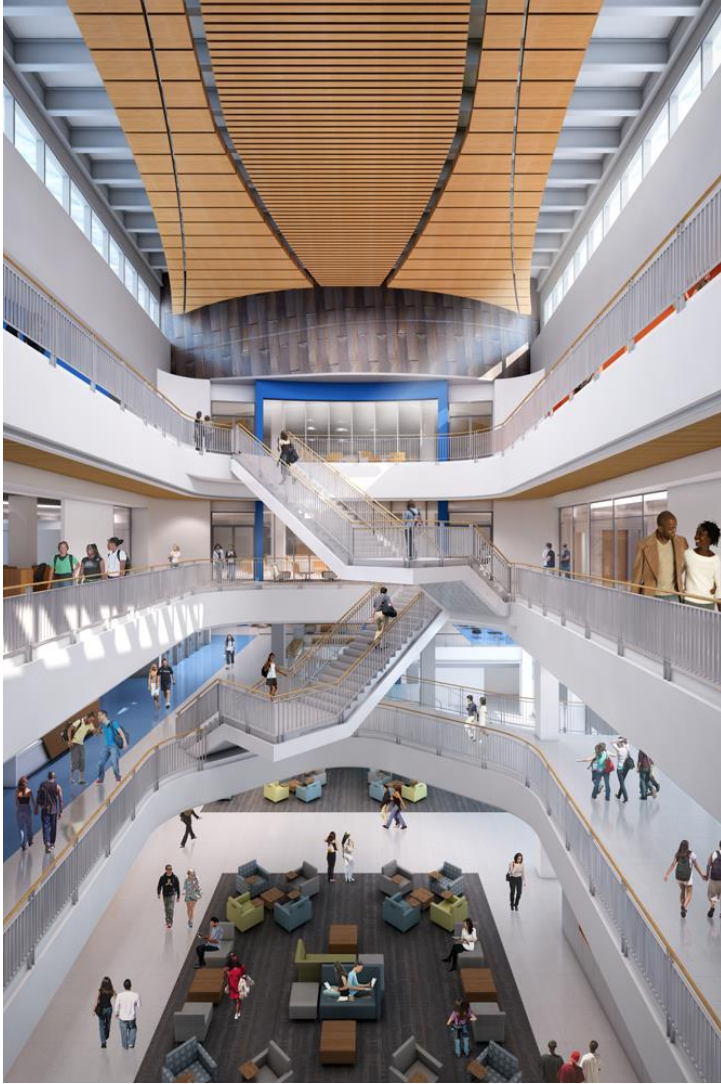
- **Perform Job Site Observations**
- **Review Shop Drawings and Submittals**
- **Review Pay Requests**
- **Review Change Order Requests**
- **Prepare Request For Information documents and Field Orders**
- **Conduct Final Inspection**
- **Assure Warranties and Instruction Manuals are Submitted**
- **Perform 6 and 11 Month Follow-Up Inspections**



# Representative Projects



# Representative Projects





# Representative Projects



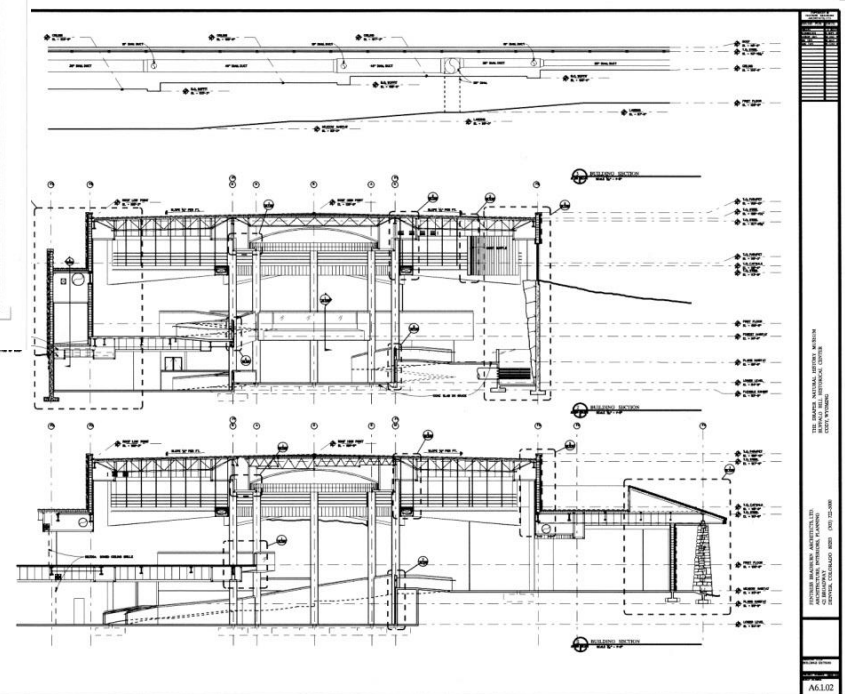
Architectural drawing of the first floor plan of the National Museum of American History. The plan shows a large circular central area with radial corridors and various rooms. The drawing includes a title block on the right with project information and a scale bar at the bottom left.

**PROJECT INFORMATION:**

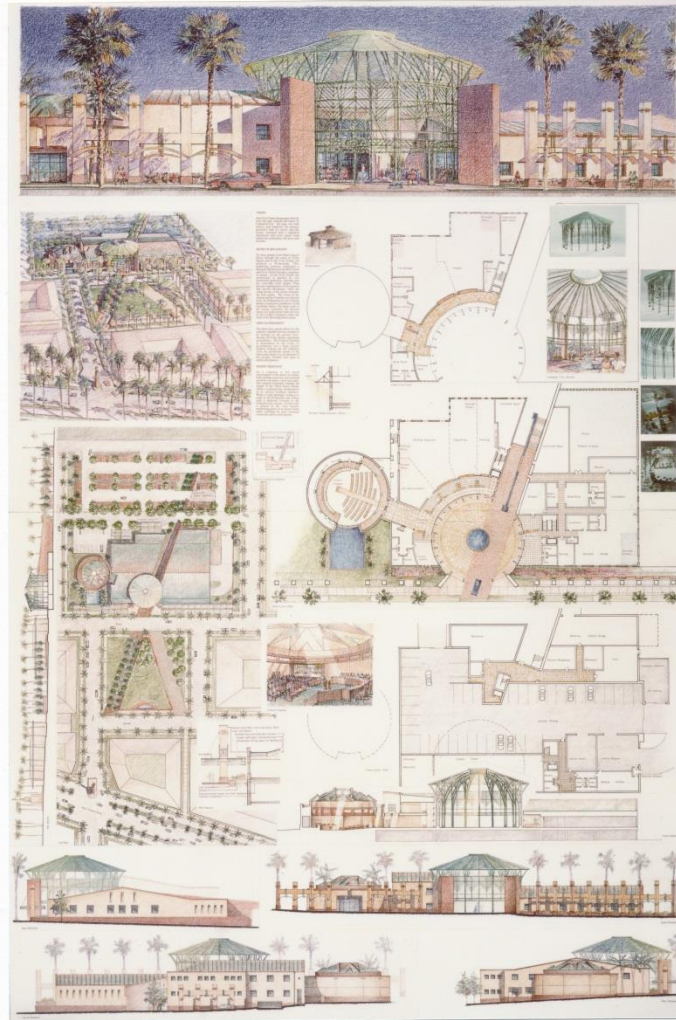
- PROJECT: NATIONAL MUSEUM OF AMERICAN HISTORY
- ARCHITECT: NATIONAL MUSEUM OF AMERICAN HISTORY
- DATE: 1988
- SCALE: 1/8" = 1'-0"

**ROOM SCHEDULE:**

ROOM NO.	ROOM NAME	AREA (SQ. FT.)
101	RECEPTION	1,200
102	LOBBY	2,500
103	OFFICE	1,500
104	CONFERENCE	1,000
105	RESTROOM	500
106	STORAGE	1,000
107	ENTRANCE	1,500
108	RECEPTION	1,200
109	LOBBY	2,500
110	OFFICE	1,500
111	CONFERENCE	1,000
112	RESTROOM	500
113	STORAGE	1,000
114	ENTRANCE	1,500
115	RECEPTION	1,200
116	LOBBY	2,500
117	OFFICE	1,500
118	CONFERENCE	1,000
119	RESTROOM	500
120	STORAGE	1,000



# Representative Projects



# Career Opportunities within Architecture

- Found your own Architectural Firm
- Work in a small, medium or large firm
- University & School Facilities Architect
- Professor/Instructor of Architecture
- Historic Preservation Architect

# Other Career Opportunities

- **Developer**
- **Design/Build Contractor or General Contractor**
- **Construction Manager**
- **Space Planning & Furniture Design**
- **Materials Sales Representative**
- **Materials Research**
- **Construction Investigation and Litigation Expert**
- **Computer Programmer and Games Programing**
- **Designer or CAD Operator or Project Manager**
- **Product Design**
- **Car Interior Design**
- **Movie Set Design**
- **Computer Software Design**

# Suggested Course Studies

- **Math (Algebra and Trigonometry as a minimum)**
- **Art including freehand sketching and colors**
- **Writing**
- **Social Studies**
- **Computer Science and Technology**
- **History**
- **Some drafting including computer drafting**
- **Observe buildings and spaces. How do they function? How about color and texture of materials? How do they make you feel?**



# Licensing Requirements

- Graduation from an accredited university with a 5 year program for a Bachelor of Architecture or a 6 year program for a Master of Architecture.
- Degrees in Environmental Sciences or Architectural studies are not the same as a degree in Architecture.
- Three or four years as an intern working for an architect.
- Passing a four day national license exam on design, site planning, structures, mechanical design, electrical design and materials

## 22

ОБЪЕДИНЕНАТА АКАДЕМИЯ НА НАУКИТЕ



2 The mean (average) compensation for positions at architecture firms. *Mean additional cash* includes overtime pay, bonuses, profit sharing, and other cash compensation.

- Bonuses range from \$1500 to over \$900 per year

# **2013 AIA Architect Design Award Winners**

American Institute of Architects



9th Street Residence (Boulder)  
 Archib: Inc. (Boulder, CO Denver)  
 AIA Denver 2013 Merit Award - Built Architecture



Wayne N. Aspinall Federal Building and U.S. Courthouse (Grand Junction, Colo.)  
 The Beck Group (Denver)  
 Wendell Reed Leskosky (Cleveland, OH)  
 AIA Denver 2013 Citation Award - Interior Architecture  
 AIA Colorado 2013 Honor Award - Built Architecture



Baker's Residence (Boulder)  
 Sutter/Lewis Architecture (Denver)  
 AIA Denver 2013 Merit Award - Interior Architecture



CertusBANK Branch (Greenville, SC)  
 4240 Architecture (Denver)  
 AIA Denver 2013 Merit Award - Built Architecture



Three Commercial Building (Denver)  
 Barker Baker Group Architecture (Denver)  
 Douglas Wyse Architecture (Jackson, WY)  
 AIA Denver 2012 Citation Award - Built Architecture