

Project 3.1.1 Porterville Library Renovation

Procedure

The existing building is approximately 76ft x 124ft and 20ft tall and is gutted. No interior walls or fixtures remain. You will utilize the existing structure to its fullest extent and add a partial second floor to the structure. The part of the existing roof that is not enclosed for the new second floor will be converted to a green roof that will be accessible to the public.

You will redesign the existing building to create a plan for renovating the structure to serve as a public library. As necessary, you will replace existing building components or add new components to provide a safe and efficient building with adequate utilities and services. You will also create a site design that will provide sufficient parking, desirable traffic flow, and appropriate grading and storm water management.

Constraints

- The design should follow all applicable building codes and local regulations.
- The existing structure will be fully utilized when possible.
- A new modern entryway and vestibule will be added to improve the aesthetics of the building, provide full accessibility, and include an exterior covered area with benches.
- An elevator must be provided for accessibility.
- First Floor plan must include areas designated for
 - Entry and Circulation Desk area
 - Children's Help Desk
 - Open area for stacks (shelves of books and media) and computer terminals
 - Public restroom
 - Head Librarian's office
 - Staff workroom/ kitchenette
 - Staff restroom
 - Two meeting rooms
 - Porterville History room or special resource room
 - Mechanical room (opens to outside)
- Second Floor plan must include:
 - Open floor area for stacks
 - Public restroom

Deliverables

1. Project Documentation Report to include the following.
 - Title Page
 - Table of Contents
 - Project Description
 - Letter to the Mayor of Porterville describing the project, including existing conditions and proposed renovations. (minimum 500 words)
2. Set of Construction Drawings to include the following.
 - C-1 Site Plan
 - L-1 Landscaping Plan
 - A-1 First Floor Plan
 - A-2 Second Floor and Green Roof Plan (show location of vegetation and walking surface)
 - A-3 Interior Views of First Floor
 - A-4 Interior Views of Second Floor
 - A-5 Roof Plan
 - A-6 Two Elevations
 - A-7 Sections and Details
 - Building Section
 - Typical Wall Section thru two-story exterior wall with all components labeled
 - Wall Section through new second floor exterior wall with all components labeled
 - Detail view of the green roof showing all components
 - E-1 Electrical Plan of the Staff Workroom/kitchenette