

CONSTRUCTION FENCING SPECIFICATIONS

PERIMETER AND PROJECT INFORMATION FENCING

University Architect and Campus Planning and Design Office
May 5, 2008 Update

The information below specifies standards and procedures for installing construction project enclosure fencing. These standards were developed to provide campus users with information about building and site improvements, and to provide a positive visual image at construction activity sites campus wide. This specification applies to all capital projects, and select department and facilities projects, as determined by the University Architect and Campus Planning and Design Office (UA/CPD).

FENCING STANDARDS AND MATERIALS

PERIMETER PROJECT FENCING

Perimeter project fencing to be supplied and installed by the project, under the direction of the project manager, to enclose and secure the project site and associated laydown areas, and provide screening from construction activities.

HEIGHT: 6' at project areas or combined project and laydown areas, and 8' at dedicated construction/laydown areas where materials and large equipment may be stored.

MATERIALS: Fencing metals to be low sheen black finish, 2 3/8" galvanized posts with 11 gauge chain link fencing, 1 5/8" top and bottom rail. All fencing to have screening fabric, attached with metal heavy gauge wire clips, black color.

FABRIC: Black, "Signature" 96 closed mesh woven polyethylene cloth, with reinforced band and grommets along all sides for secure anchoring to chain link panels. Pull tight and smooth, overlap at posts. Available through CI Fabrics, San Diego CA.

ANCHORING: Embed fence posts for 6' panels securely into ground whenever possible. Fence posts may be installed on concrete blocks if frequent relocation is anticipated. 8' fencing to be securely embedded into ground where possible to avoid tipping from wind load. Metal galvanized heavy gauge wire clips to be used in all grommets, crimped tight, black color.

VENDOR/INSTALLER: All Fence Company, Redwood City, CA, 650-369-4556 or equal.

GRAPHIC PANEL FENCING

Graphic panel fabric with imprinted images to be supplied to the project manager by the University Architect and Campus Planning and Design Office, for installation by the project. Project fence contractor will install black mesh fabric and posts to match perimeter fencing in three to six panels at each side of wood fencing, or per the drawing and agreement with UA/CPD. Attach black fabric to the chain link fence on the interior side of the graphic panels, beginning at the first post adjacent to the wood fencing, and continuous across all galvanized fence posts and graphic panels, to provide a dark background for images. A layout drawing will be provided by UA/CPD showing graphic panel placement and image locations, which will supersede other specifications.

HEIGHT: 6' at project areas, to match project fencing height.

MATERIALS: Fencing metals to be low sheen black finish, 2 3/8" galvanized posts with 11 gauge chain link, 1 5/8" top rail and bottom rail, to match construction fencing. Attach graphic and black fence fabric with metal galvanized heavy gauge wire clips, black color required.

FABRIC: White, vinyl mesh, with reinforced band and grommets all sides, and nylon reinforcing webbing. Fabric will be imprinted with color image from digital source supplied to the vendor by the University Architect and Campus Planning and Design Office. Black interior fabric to match perimeter fabric fencing. Graphic printing is available through XL PRINTS, 408-257-9766, Santa Clara, CA 95050.

ANCHORING: Embed fence posts securely into ground at 8' o.c. Fasten graphic panels securely to chain link fence on all sides with galvanized metal heavy gauge wire clips crimped tight, through all grommets. Match center line of fabric panels with center line of fencing panels per drawing. Align heights of project fencing and graphic panel fencing.

VENDOR/INSTALLER: All Fence company will hang panels at no cost if panels are supplied at time of chain link fence installation.

PRODUCTION/DELIVERY TIME: Allow two weeks panel fabrication time, to include 3-5 days graphic production, 7 days Fed-Ex Ground delivery, or pick up in Santa Clara. UA/CPD to supply graphic panels at time of perimeter fence installation, or per schedule agreed upon with project manager.

WOOD PANEL FENCING

Wood panel fencing to be supplied to the project manager by UA/CPD for installation by the project. Fence location will be determined by UA/CPD in collaboration with the project manager. A layout drawing will be provided by UA/CPD showing wood fence panel placement.

HEIGHT: 6'-4" +/- above grade, bottom of cap to align with perimeter and graphic panel fencing

MATERIALS: Stock lumber, redwood rough sawn siding panel with grooves at 4" o.c., finished with Cabot acrylic solid color stain "Dark Grey", mounted between 4X4 redwood posts routed to accept panel, finished with Cabot acrylic solid color stain "Black". Cap with 2X4; trim with 1X4 redwood, finished with Cabot acrylic solid color stain "Black". Copper caps to be mounted on all posts.

ANCHORING: Embed fence posts securely into hole, core drilled if on pavement, with base rock as anchoring foundation to allow for eventual removal and reuse. Do not anchor in concrete.

VENDOR/INSTALLER: Facilities Operations Carpenter Shop or equal.

PRODUCTION/DELIVERY TIME: UA/CPD to supply fencing materials minimum five days in advance of agreed upon installation completion date, when possible, or per schedule agreed upon with project manager.

PROJECT INFORMATION SIGN

The project information sign location will be determined by the UA/CPD in collaboration with the project manager. Each site will contain at least one informational post and panel project sign. A layout drawing will be provided by UA/CPD showing information sign panel placement.

HEIGHT: 8' above grade

MATERIALS: 4" wide tongue and grooved surfaced redwood panel finished with Cabot acrylic stain "Dark Grey", attached to two 2X4 redwood posts routed to accept panel, finished with Cabot acrylic stain "Black". Cap with 2X4, trim with 1X8 and 1X4 surfaced redwood. Aluminum j-rail channel, black, to accept digital print applied to .080 aluminum backing. Project title letters of acrylic, 3" tall or per drawing, 3/8" thick painted Smoke metallic.

ANCHORING: Embed fence posts securely into hole, core drilled if on pavement, with base rock as anchoring foundation to allow for eventual removal and reuse. Sign top to be 8' above finished grade. Attach j-rails and digital information panel to tongue and grooved panels with hidden fasteners. Attach acrylic letters with studs and epoxy, or equal.

VENDOR/INSTALLER: Facilities Operations Carpenter Shop and Sign Shop or equal.

PRODUCTION/DELIVERY TIME: UA/CPD will supply sign materials to project manager minimum five days in advance of agreed upon installation completion date when possible.

NOTE:

Drawings provided to the project by UA/CPD will serve as the most current specifications, since specifications may need to change to fit specific site conditions and constraints. However, bring all conflicts to the attention of UA/CPD before proceeding.

INSTALLATION PROCESS AND SITE MEETINGS

Three project meetings will be scheduled to determine fencing locations and production schedule.

SITE VISIT

The project manager and UA/CPD will meet on site to choose a permanent location for graphic panels, wood panel fencing, and the project information sign, to discuss the project perimeter fence locations, and to determine an installation completion date. If permanent locations for panels and signs cannot be found because of anticipated construction related changes in perimeter fencing locations, the project will pay for sign and panel reinstallations as needed and approved by the UA/CPD. Panel fencing, sign, and graphic panels will not be moved without approval from UA/CPD.

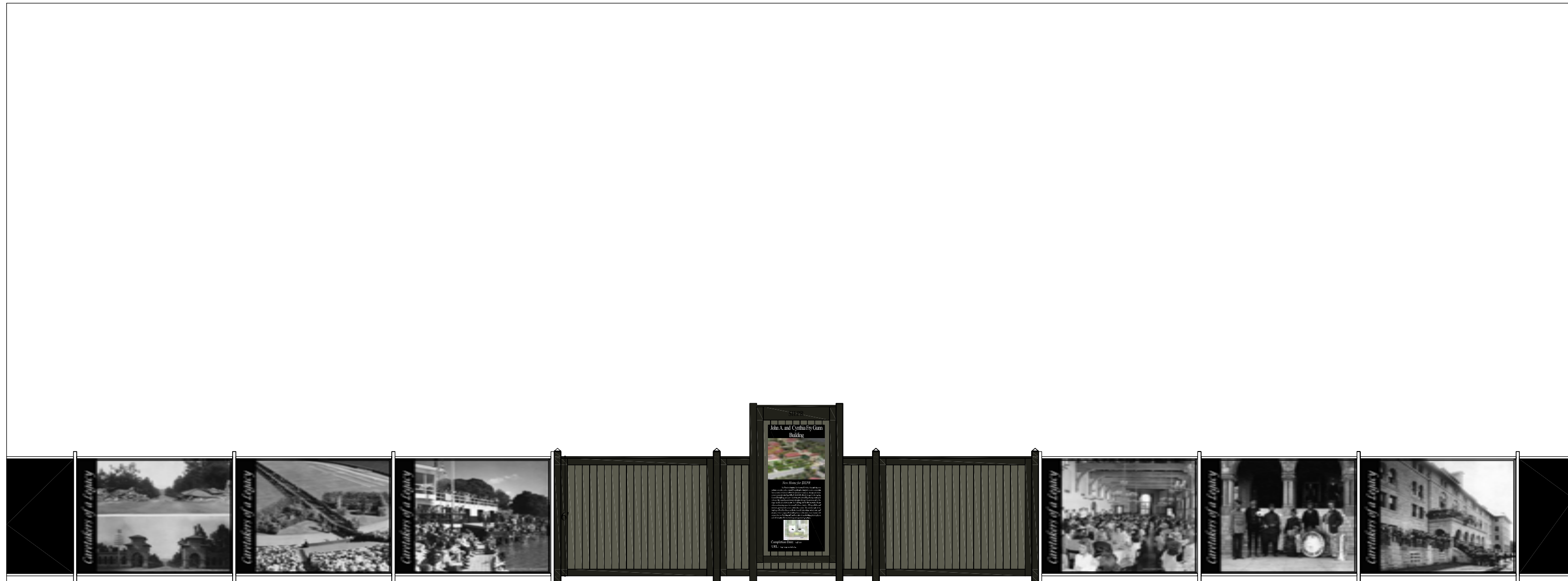
MATERIALS REVIEW AND DISTRIBUTION

The project manager and UA/CPD will meet for the transfer of materials to the project for installation. UA/CPD will provide the project information sign panel with posts, and the posts,

panels, and caps for the wood fencing, along with a layout drawing showing locations for all materials. The project will accept materials and agree to return all materials in reusable condition at the end of the project. Normal weathering is expected, but damage to materials will require compensation to UA/CPD by the project.

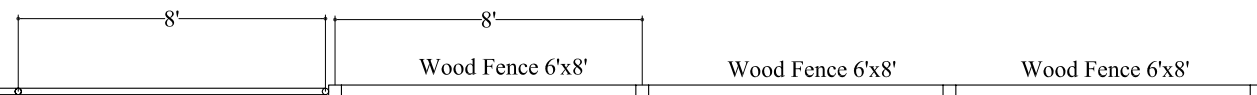
INSTALLATION REVIEW WALK

The project manager will call UA/CPD at least five days in advance, whenever possible, to confirm a site visit meeting for review of the finished installation. Site visit date should be at least five days before the installation completion date to allow time for any changes. This review will be done to assure compliance with the specifications and to discuss any project or UA/CPD concerns with the layout. Agreed upon changes are to be completed before the installation completion date.



Fabric Panel to be installed on 6x8 Chain link fence (clear dimensions between metal post 69" x 93.5") (see page 4)

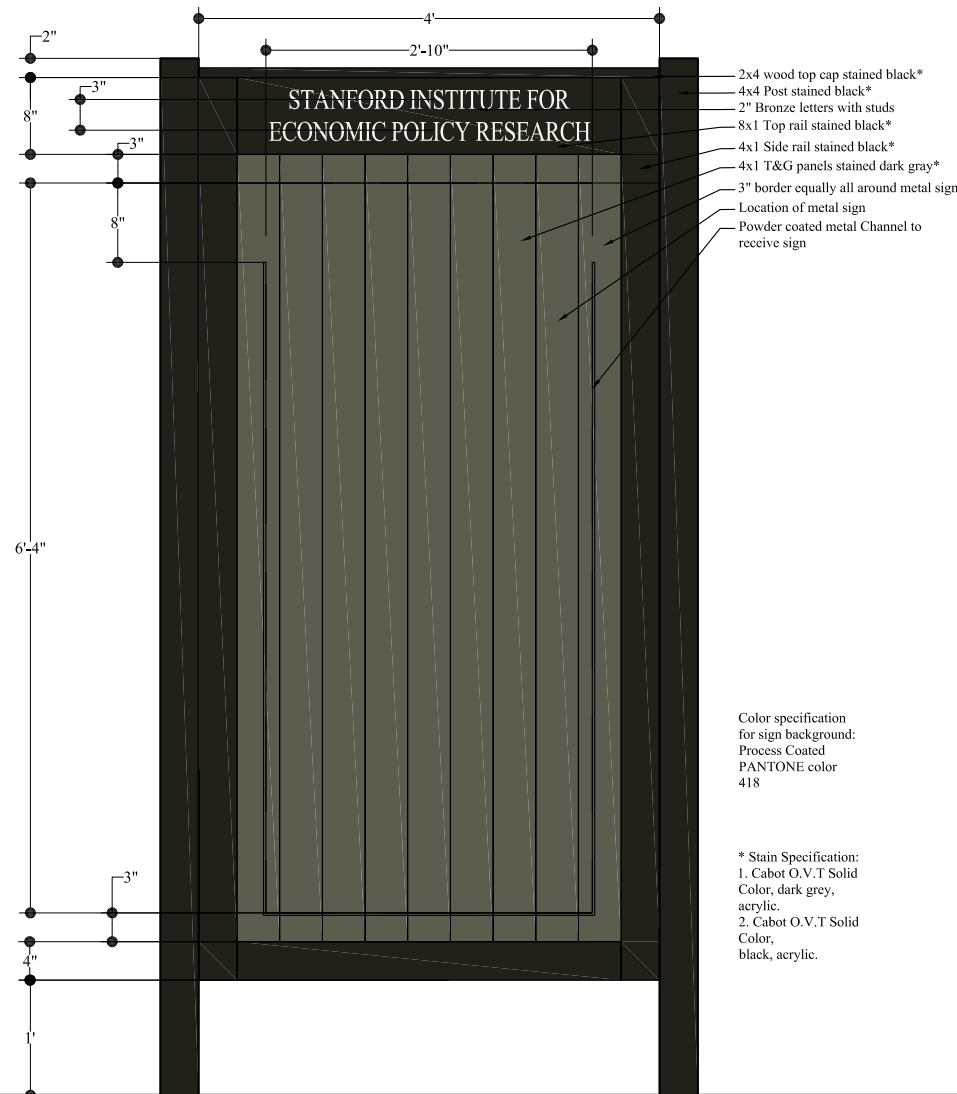
Fabric Panel to be installed on 6x8 Chain link fence (clear dimensions between metal post 69" x 93.5") (see page 4)



Plain Black Fabric Panel to be installed on Chain link fence (As per spec)

Sign Post (see page 2&3)

Sign 1 _ SIEPR



Color specification for sign background:
Process Coated
PANTONE color 418

* Stain Specification:
1. Cabot O.V.T Solid Color, dark grey, acrylic.
2. Cabot O.V.T Solid Color, black, acrylic.



The metal sign is a constant adjust the wood panel so that an even 3" border is maintained along all sides.

John A. and Cynthia Fry Gunn Building

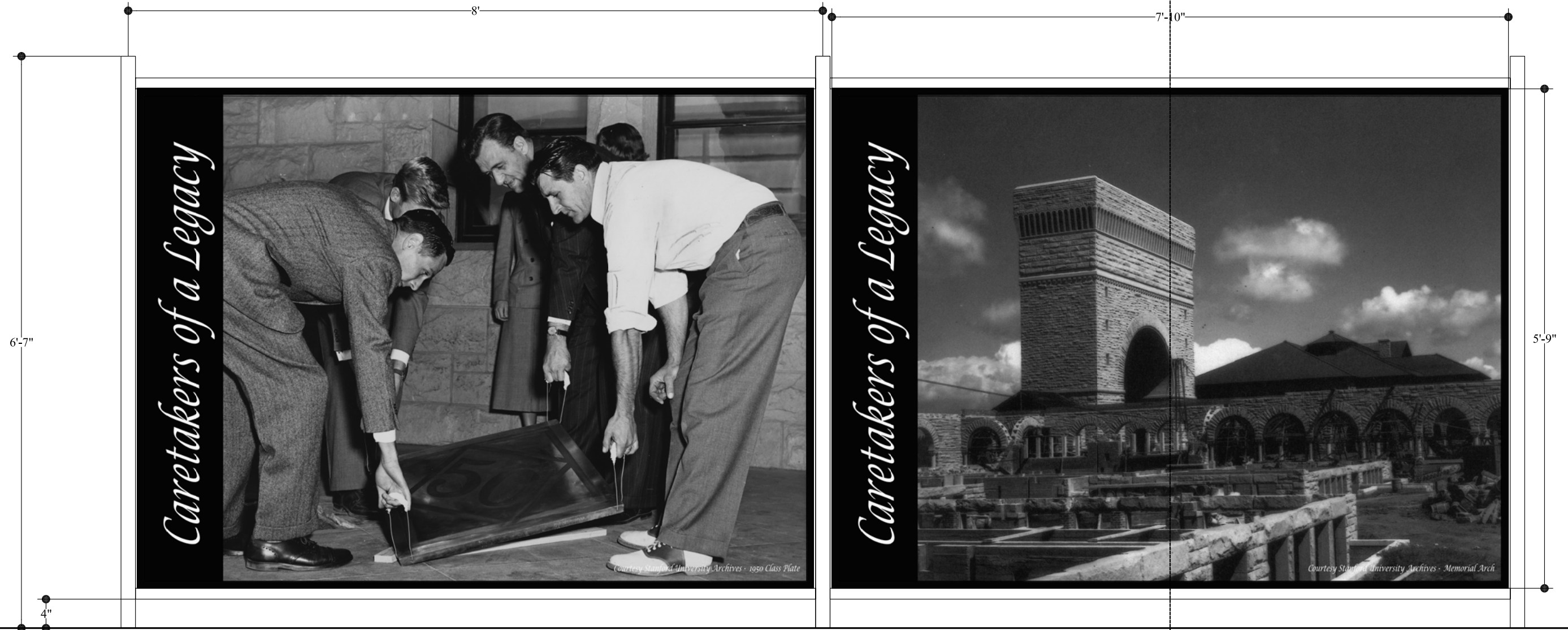


New Home for SIEPR

The Stanford Institute for Economic Policy Research is a non partisan economic policy research organization designed to unite economists from a variety of entities within the university to analyze, discuss and debate current economic topics and issues. SIEPR is currently located in the Landau Economics Building, and a new 32,000 square feet building is being constructed to house this expanding and dynamic program through the generous gift of the Gunn family and other donors. The building will be three stories to house offices and meeting space for research fellows, faculty, visiting scholars and students, and includes a new conference center. The architecture of the building will include stucco and stone facades, a prominent arched entry, and arcades. A new courtyard including trees, trellis and a water feature will connect the new building and Landau to provide an inviting gathering space and will integrate the two buildings and associated programs.



Completion Date: Fall 2009
URL: <http://siepr.stanford.edu>



Fabric Panel to be installed on 6x8 Chain link fence (provide clear dimensions between metal post for a fabric panel sized 69" x 93.5"). Span the fabric panel so that the panel is centered and the metal poles are exposed. Please refer to specifications for black fabric backing.

