

CLADDING PROJECTS

While employed at Flad & Associates of Wisconsin I had the opportunity to be project engineer for a number of stone cladding projects. Two notable projects are shown below, The US Holocaust Museum located in Washington, D.C. and St. Norbert's Austin E. Cofrin Hall located in De Pere, WI.

For the U.S. Holocaust Memorial Museum we preformed the analysis for the interior and exterior limestone cladding and the interior granite and marble cladding and its anchorage to backup systems.

For the Austin E. Cofrin Hall we preformed the analysis for the exterior limestone cladding and its anchorage to backup systems.

It should be noted that this type of engineering design is very detail sensitive and intensive work that normally takes place during the shop drawing phase of the project.

Modern-day architects and designers drew their inspiration for stone design from the stone masters of old. **For a look at some “really old” project sites click on the Acropolis below.**



The U.S. Holocaust Memorial Museum



[U.S. Holocaust Memorial Museum](#)



[U.S. Holocaust Memorial Museum](#)



U.S. Holocaust Memorial Museum



U.S. Holocaust Memorial Museum



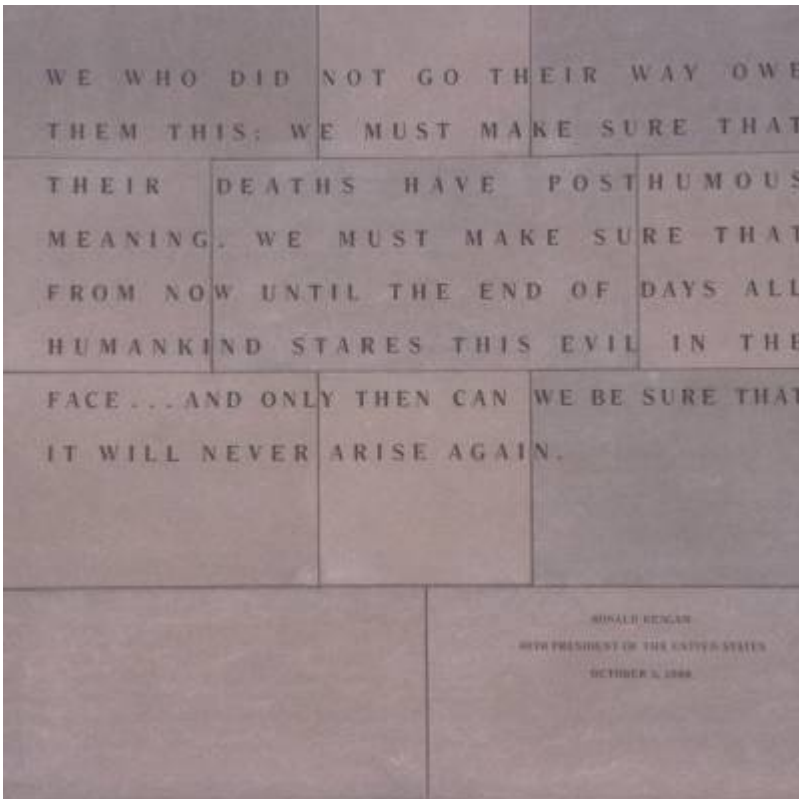
U.S. Holocaust Memorial Museum



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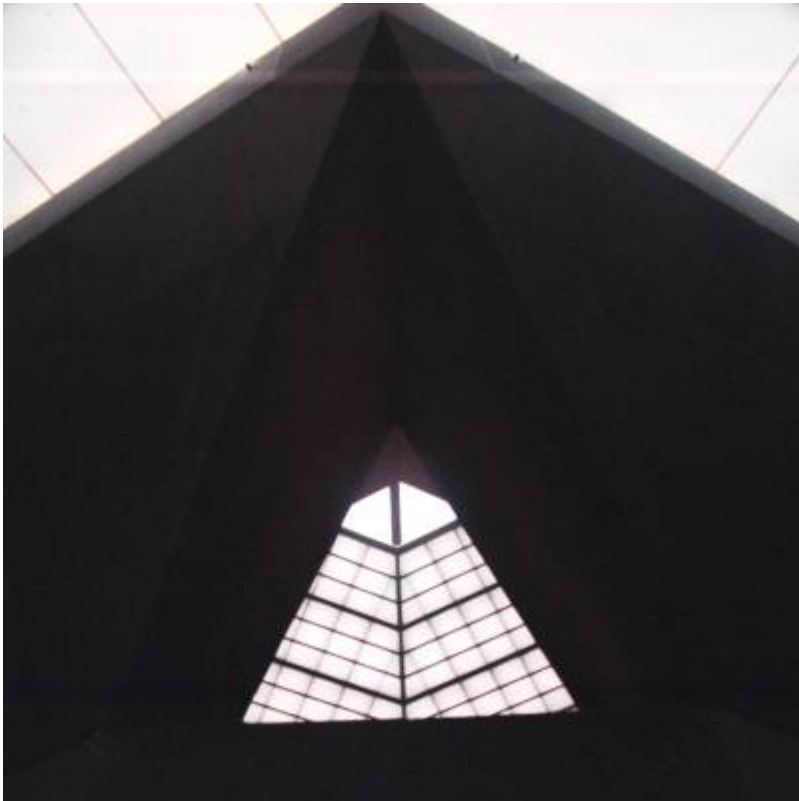
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U.S. Holocaust Memorial Museum

Project Details:

- **PROJECT:** The United States Holocaust Memorial Museum Washington, D.C.
- **ARCHITECT:** PEI COBB FREED & PARTNERS

- **FABRICATORS:** Harding & Cogswell Corporation - Limestone, Sopromat Lte'e/Ltd - Granite and Marble
- **SYSTEM DESCRIPTION:** Panel sized granite, limestone and marble backed up on hot-rolled steel and concrete back-up systems.



St. Norbert College



[St. Norbert College](#)



[St. Norbert College](#)

Project Details:

- **PROJECT:** ST. Norbert College, Corfrin Academic Building, De Pere, WI
- **ARCHITECT:** CPR Associates, Inc.
- **FABRICATORS:** Indiana Limestone Company, Inc.
- **SYSTEM DESCRIPTION:** Traditionally set limestone belting and coping pieces along with large panel construction supported on hot-rolled steel back-up framing.



Competed Projects

Here is a partial list of projects we were associated with while an employee of Flad & Associates of Wisconsin where we specialized in dimensional stone cladding design.

Project Details:

- **PROJECT:** West Virginia State College, 100 Year Memorial, Institute, WV
- **ARCHITECT:** Robert E. Doggett
- **FABRICATORS:** Harding & Cogswell Corporation
- **SYSTEM DESCRIPTION:** Traditionally set limestone on masonry back-up.

- **PROJECT:** MIT Biology Building - BLDG. 68, Cambridge, MA
- **ARCHITECT:** Goody, Clancy & Associates, Inc.
- **FABRICATORS:** Harding & Cogswell Corporation

- **SYSTEM DESCRIPTION:** Medium sized limestone panels supported on concrete and steel back-up systems.
- **PROJECT:** Hood College Library, Frederick, MD
- **ARCHITECT:** The Hillier Group
- **FABRICATORS:** Bybee Stone Company, Inc.
- **SYSTEM DESCRIPTION:** Traditionally set limestone belting and window trim on masonry back-up supplemented by some hot-rolled steel framing where required.
- **PROJECT:** O'Shaughnessy Libray, College Of St. Thomas, St. Paul, MN
- **ARCHITECT:** Opus Architects And Engineers
- **FABRICATORS:** Quarra Stone Company Inc.
- **SYSTEM DESCRIPTION:** Traditionally set on hot-rolled steel and CMU supported limestone system.
- **PROJECT:** Library Expansion, The American Museum Of Natural History, New York, NY
- **ARCHITECT:** Kevin Roche John Dinkeloo And Associates
- **FABRICATORS:** Harding & Cogswell Corporation
- **SYSTEM DESCRIPTION:** Limestone belting and cornice pieces supported by both traditional anchorage to masonry back-up and hot-rolled steel framing back-up. Monumental limestone window frames supported on hot-rolled steel back-up.
- **PROJECT:** Indianapolis Museum Of Art, Indianapolis, IN
- **ARCHITECT:** Edward Larrabee Barnes
- **FABRICATORS:** Harding & Cogswell Corporation
- **SYSTEM DESCRIPTION:** Large limestone panels supported on hot-rolled steel back-up system.
- **PROJECT:** Hershey Medical Center, Hershey, PA
- **ARCHITECT:** Robert D. Lynn
- **FABRICATORS:** Harding & Cogswell Corporation
- **SYSTEM DESCRIPTION:** Large limestone panel construction supported on concrete and masonry back-up systems.
- **PROJECT:** Mount Sinai Modernization, New York, NY
- **ARCHITECT:** I.M. Pei & Partners
- **FABRICATORS:** Harding & Cogswell Corporation
- **SYSTEM DESCRIPTION:** Traditionally set limestone window frame and trim pieces anchored to masonry back-up.
- **PROJECT:** Addition & Remodeling Grandview Hospital, Ironwood, MI
- **ARCHITECT:** Hills Gilbertson Architects, Inc.
- **FABRICATORS:** Indiana Limestone Company, Inc.
- **SYSTEM DESCRIPTION:** Large limestone panels supported on concrete, masonry and hot-rolled back-up systems.
- **PROJECT:** The Rehabilitation Institute, Pittsburgh, PA
- **ARCHITECT:** Burt Hill Kosar Rittelman Associates
- **FABRICATORS:** Midland Cut Stone Company, Inc.
- **SYSTEM DESCRIPTION:** Limestone panels supported masonry and hot-rolled back-up systems.
- **PROJECT:** The James L. Allen Center, Northwestern University, Evanston, IL

- **ARCHITECT:** VOA Associates, Inc.
- **FABRICATORS:** Indiana Limestone Company, Inc.
- **SYSTEM DESCRIPTION:** Large limestone panels supported on concrete, masonry and hot-rolled back-up systems.

- **PROJECT:** Norvelt Elementary School, Pittsburgh, PA
- **ARCHITECT:** Forman & Bashford Architects & Engineers
- **FABRICATORS:** Indiana Stone Works, Inc.
- **SYSTEM DESCRIPTION:** Traditionally set limestone belting and coping pieces along with large panel construction supported on hot-rolled steel back-up framing.



External Links

Indiana Limestone Institute of America

Web Site: [Indiana Limestone Institute of America](#)



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