



Indiana University Global and International Studies Building Bloomington, Indiana

The project will include space for an auditorium, large and small classrooms as well as administrative and faculty office space. The building consists of two separate wings. The west wing is a five story cast in place reinforced concrete frame with structural steel framing at the roof level and the east wing is a three story cast in place concrete frame. The two wings are connected by a glass enclosed architecturally exposed structural steel frame. The use of cast in place concrete moment frames for the lateral system allowed for the elimination of diagonal bracing or shear walls creating a highly flexible floor plan.

The foundations system is a combination of drilled piers and spread footings in the basement area founded on limestone bedrock.

The west wing framing is situated along a curved longitudinal axis, while the east wing consists of two adjoining trapezoids with separate grid systems. A master geometry plan had to be carefully worked out and detailed on a separate overall plan to allow the contractor to understand the relationships between the various grid systems.

The building envelope is a highly intricate blending of various stone types and curtain wall. A series of cladding backup design criteria elevations are included with the structural drawings to provide the architect and all affected bidders with the necessary information to understand the structural deflections to be accommodated and the assume attachment points for the structural design.

Owner: Indiana University

Architects: Browning Day Mullins Dierdorf,
Ennead Architects, New York, NY

Building Construction Cost: \$42,000,000

Square Footage: 158,000 sf

