

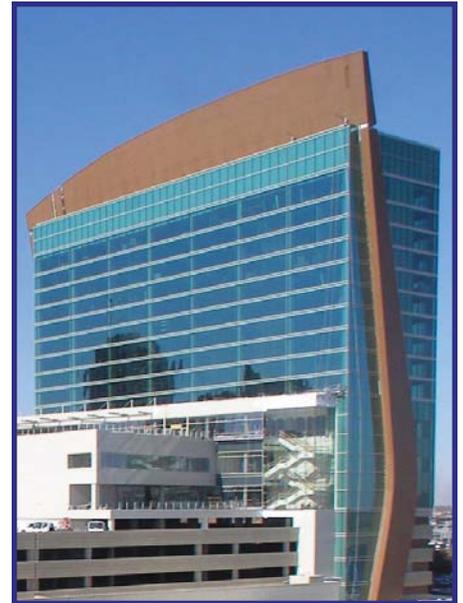


NGG Ltd., Inc. is a privately owned, full service curtain wall contracting company established in 1982. Since that time NGG has been in the core business of design, fabrication and installation of custom curtain wall systems. Our systems meet the most challenging aesthetic design intent and rigorous technical standards. Through the years NGG has serviced clients in Missouri, Illinois, Kansas, Texas, Virginia, Mississippi, Oklahoma and Washington.

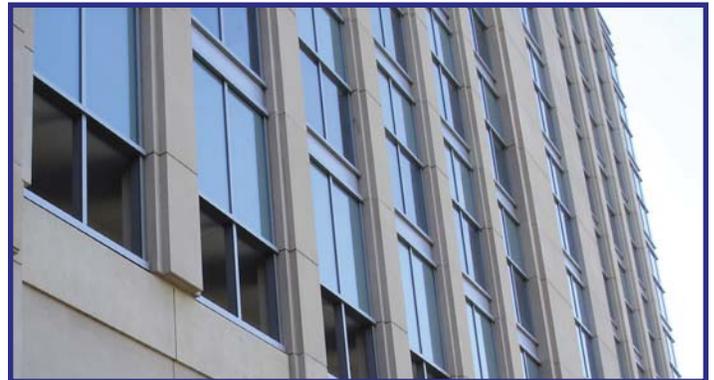
HISTORY

With an industry proven track record of 28 years and more than 250 projects, NGG has the capability, and experience providing a fully integrated solution to meet any architect's imagination and vision.

NGG Ltd., Inc. owns two subsidiary companies, National Glass and Glazing, Inc. and LH Erection Company Inc. Both subsidiary companies oversee the various job site installation activities and factory operations.



Four Seasons Luxury Hotel, NGG Custom System



Northwest Towers (Barnes Jewish Hospital), NGG Custom System

QUALITY

NGG Ltd., Inc. is dedicated to being the leader in providing quality products and services which meet or exceed the expectations of our customers. Achievement of superior customer satisfaction levels is a priority of NGG. We are committed to a company-wide focus on quality which allows us to anticipate and provide a quality product and to comply with established standards and requirements.

NGG believes excellence can best be achieved by preventing or foreseeing problems rather than correcting them after they occur. Sustained excellence requires continuous improvement in both the processes performed by employees and the abilities of employees. This means, regardless of how good present performance may be, it can become better. The Management team has the authority to revise the systems, processes, and programs as needed to meet the requirements of a project.

NGG has a total commitment to Quality and through the continuous development and design of innovative custom curtain wall systems maintains its lead as a quality contractor.

“Our systems meet the most challenging aesthetic design intent and rigorous technical standards.”



Continuous Flow Manufacturing Facility



Insulating Spandrel Glass



Ranken Jordan, NGG Custom System



Dierbergs Headquarters, NGG Custom System



St. John's Heart Hospital, NGG Custom System

PRODUCTS

Our glass integration solutions start with custom unitized enclosures. As a single source glass supplier, NGG offers the customer vast capabilities in management, design, manufacturing and installation. We can glaze a myriad of glass types not limited to insulated, laminated, tempered, monolithic,

and blast resistant. NGG can also scope our enclosures to include pre-manufactured curtain wall systems, skylights, canopies, composite metal panels, metal panels, stone and pre-cast panels, ceramic tile panels, sunshades, trims, tile, fins, mesh screens and sunscreens. With these capabilities we are able to offer our customers a single source for the exterior envelope of most buildings, thereby simplifying the complex coordination requirements that general contractors and construction managers face on projects.

SERVICES

At NGG we combine core ingredients of Aluminum, Glass, Quality, Project Management and Safety to provide a fully integrated

solution. NGG designs, manufactures and installs all of its own wall systems. Our focus in the industry is mid-sized construction with custom curtain wall applications. While we do specialize in Custom Curtain Wall, our philosophy is to provide a single source solution to the general contractor and customer and at the request of the client can expand our scope to include any additional aspect of the exterior envelope.



NGG Custom Unitized System

PROJECT MANAGEMENT

NGG Ltd., Inc. dedicates a full time Project Manager professional and support team to all of our projects. We dedicate management staff to a project consisting of project managers, superintendents, administrative staff, quality control managers and safety managers, all customized to the individual project.

All projects follow NGG's Project Management System. The focus of our system rests on pre-project planning resulting in a Project Execution Plan (PEP) for each and every project. The structure created by the PEP guides the project through the life cycle until completion. NGG's planning systems include resource loaded schedules, control budgets, issue and risk management and customized quality and safety programs. In addition, each project is on a weekly and monthly reporting cycle that involves NGG's senior management and which provides proper oversight of each project.

“NGG offers the customer a vast capacity in management, design, manufacture and installation”

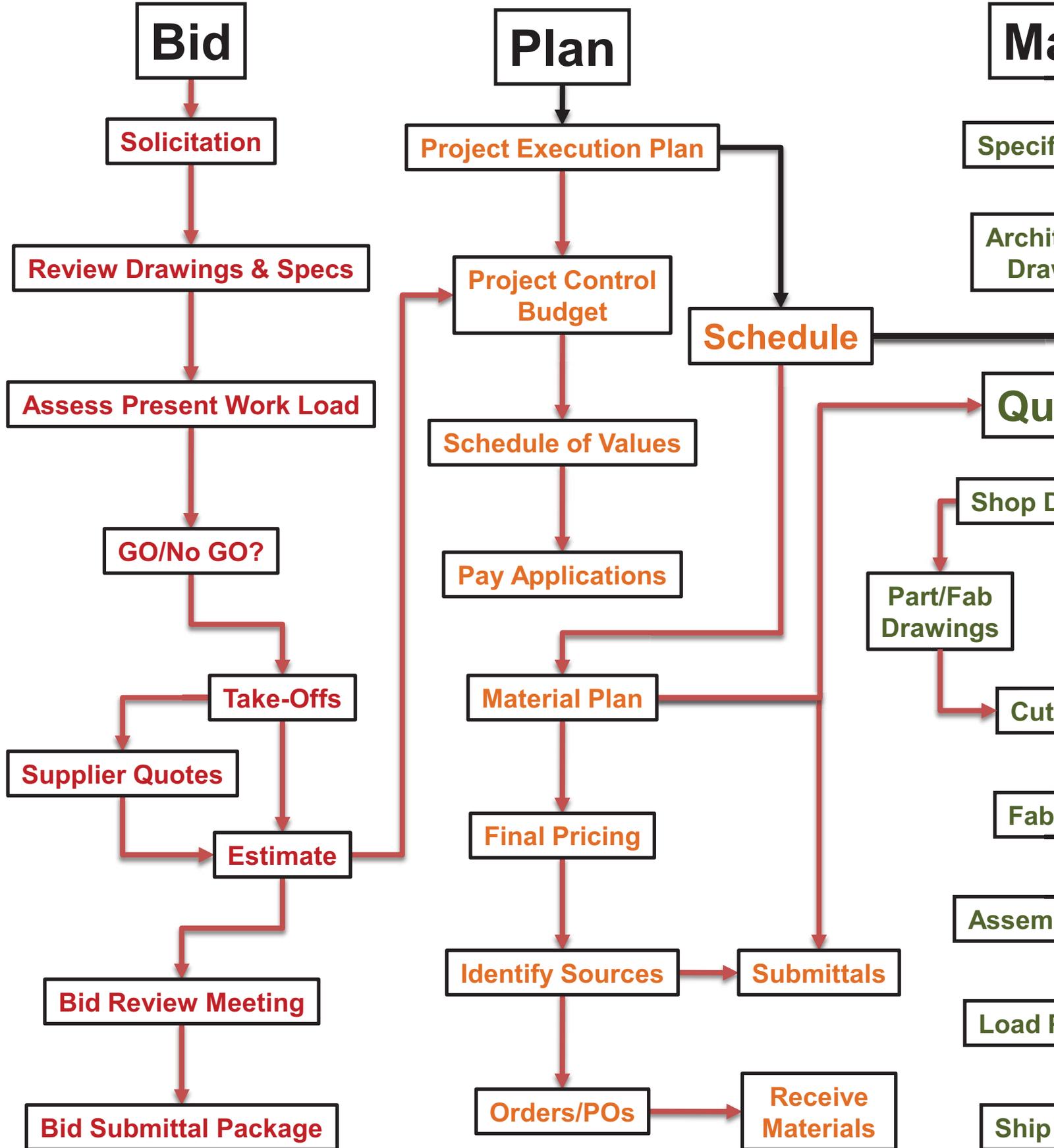
SAFETY

NGG Ltd., Inc. has impeccable standards and a strong commitment to governmental and local safety laws and compliance. NGG assures safe and healthy working conditions for working men and women by requiring enforcement of the standards developed and providing for information, education, and training in the field of occupational safety and health. Dedication to continuous improvement in a safe and environmentally conscious manner is a core of NGG's philosophies.



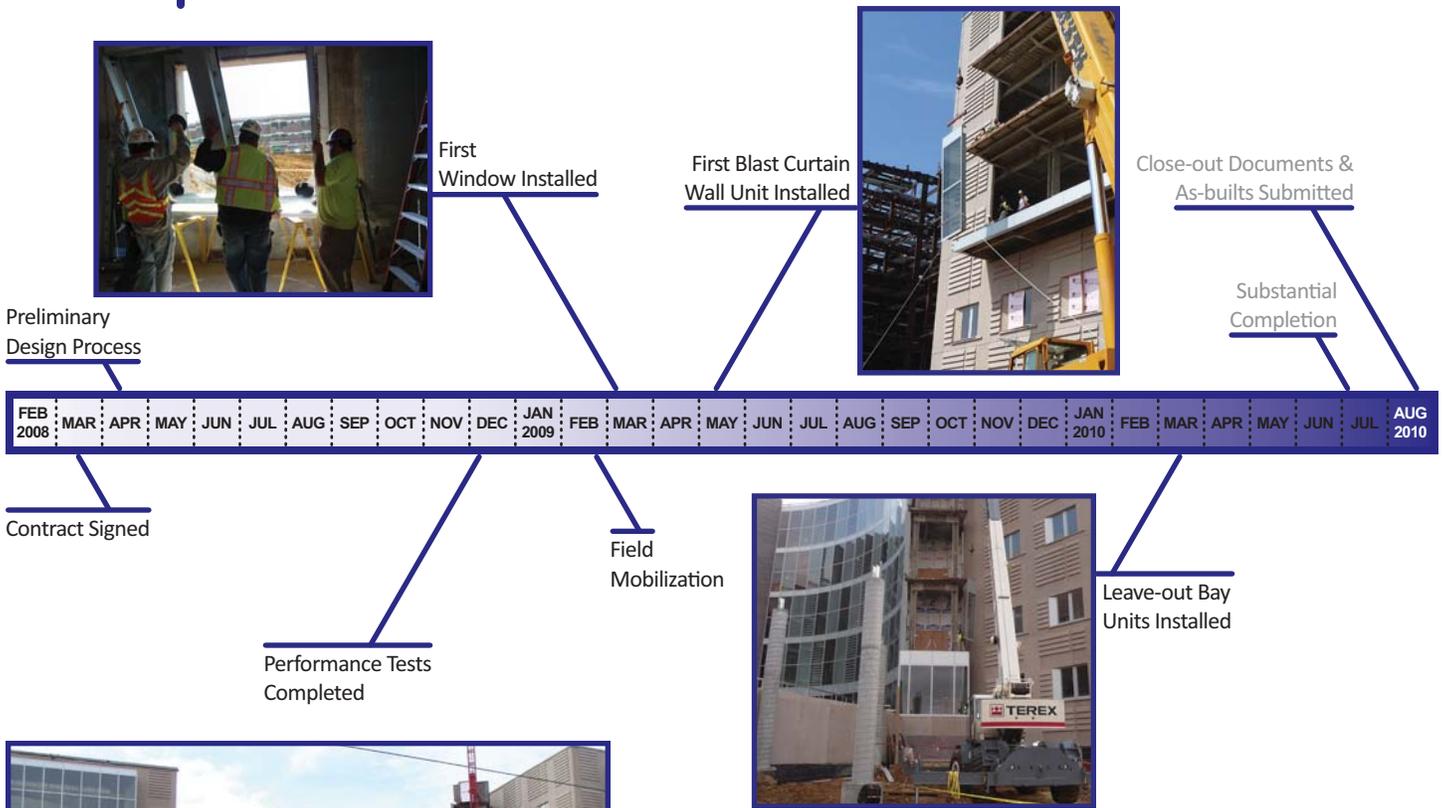
Field Service

NGG BUSINESS



PROJECT CASE STUDY

name	United States Federal Courthouse
value	\$9M
location	Jackson, Mississippi
architect	H3 Hardy Collaboration Architecture, LLC
gc/ cm	W. G. Yates & Sons Construction Co.
scope	Exterior and Interior Glazing Package 65,000 SF including Custom Blast Systems
glazing	Viracon
framing	Unitized Custom Blast Curtain Wall & Windows by NGG & Custom Window Company (CWC)
completed	2010
description	GSA Blast-Resistant Custom System for punch, ribbon windows, bay and rotunda curtain wall. Custom stainless steel coping. Two custom sunshade systems installed at corners and at long precast wall. Project also includes interior and exterior entrances, courtroom clerestory and custom glass vertical fins.



First Window Installed



First Blast Curtain Wall Unit Installed

Preliminary Design Process

Close-out Documents & As-builts Submitted

Substantial Completion

Contract Signed

Field Mobilization

Performance Tests Completed

Leave-out Bay Units Installed



project reference

W. G. Yates & Sons Construction Co.
 Allen Reitcheck
 781 Larson Street
 Jackson, Mississippi 39202

Jacobs Engineering
 Tim Madeira
 PO Box 704
 Jackson, Mississippi 39205

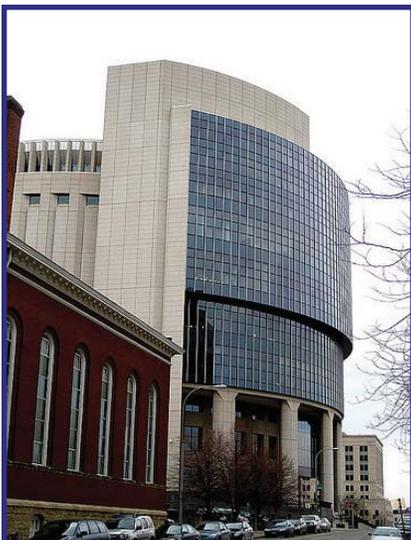
PROJECT CASE STUDY

name	Charles Evans Whittaker U.S. Courthouse
value	\$5.3M
location	Kansas City, Missouri
architect	Ellerbe Becket
gc/ cm	J.E. Dunn Construction
scope	Exterior Glazing Package 95,000 SF - 4,560 openings
glazing	Viracon
framing	Convention Series Curtain Wall by NGG
completed	1998



description

Overlooking the Missouri River in downtown Kansas City, Missouri, this 12-story, crescent-shaped courthouse includes 16 courtrooms. 4 Sided Structurally Glazed System on the south elevation and a Pressure Plate Captured System on the north.



project reference

Ellerbe Becket
2380 McGee
Suite 200
Kansas City, Missouri 64108

Heitmann & Associates, Inc.
14323 South Outer 40
Suite 604
Chesterfield, Missouri 63017

PROJECT CASE STUDY

name	Rush Hudson Limbaugh Senior U.S. Courthouse
value	\$2.3M
location	Cape Girardeau, Missouri
architect	Fentress Bradburn Architects
gc/ cm	PCL Construction Services, Inc.
scope	Exterior Glazing Package 40,000 SF including Custom Blast Systems
glazing	Viracon
framing	Unitized Custom Blast Curtain Wall & Windows by NGG Custom Composite Metal Panels by NGG
completed	2005
description	Sits on a three-acre site and rests on concrete piers socketed into solid bedrock making the building able to withstand a significant seismic event. The main entry glass atrium spans the entire four stories.



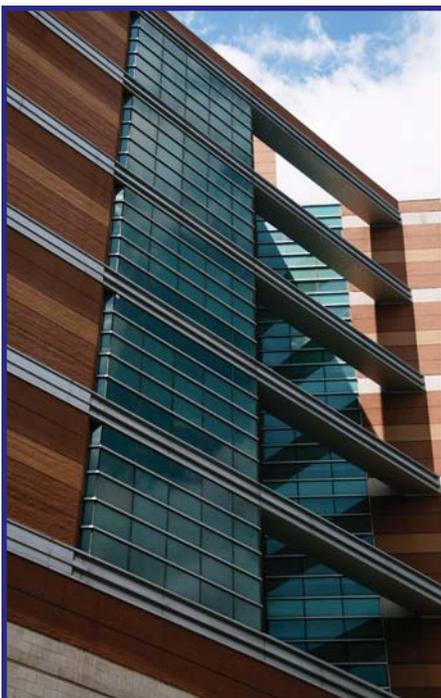
project reference

Fentress Bradburn Architects
421 North Broadway
Denver, Colorado 80203

Heitmann & Associates, Inc.
14323 South Outer 40
Suite 605
Chesterfield, Missouri 63017

PROJECT CASE STUDY

name	Saint Louis County Justice Center
value	\$5.7M
location	Clayton, Missouri
architect	HOK Group, Inc.
gc/ cm	McCarthy Building Companies, Inc.
scope	Exterior Glazing Package 76,000 SF
glazing	Viracon
framing	Convention Series Curtain Wall by NGG
completed	1998
description	High performance, high span Convention Series Curtain Wall with structural twin beams that were claded with aluminum panels in a controlled shop environment.

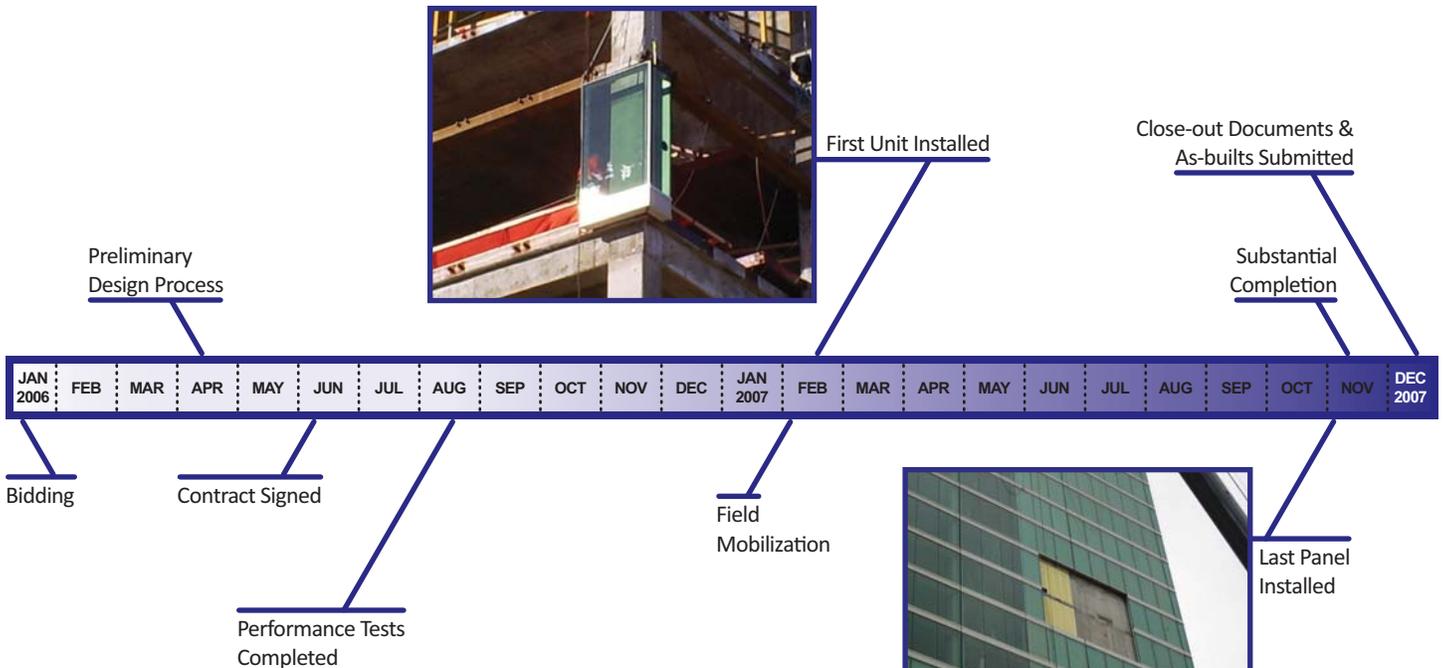


project reference

TriTeq
Robert Weible
11132 South Town Square
Suite 104
Saint Louis, Missouri 63123
HOK Group, Inc.
211 North Broadway
Suite 700
Saint Louis, Missouri 63102

PROJECT CASE STUDY

name Pinnacle Hotel and Casino
value \$9M
location Saint Louis, Missouri
architect Marnell Architecture & HOK
gc/ cm McCarthy Building Companies, Inc.
scope Design-Build
 100,000 SF of Custom Curtain Wall
glazing Viracon
framing Pinnacle Series
 Custom Unitized Curtain Wall by NGG
completed 2007
description 3" x 7-1/2" system with integrated window washing track, structurally glazed and horizontally captured at the head and sill. NGG was involved in the Design-Build of the building, designed the system, built the units in our own factory, and installed using our crews and supervision. Completed in 18 months, from contract to completion.



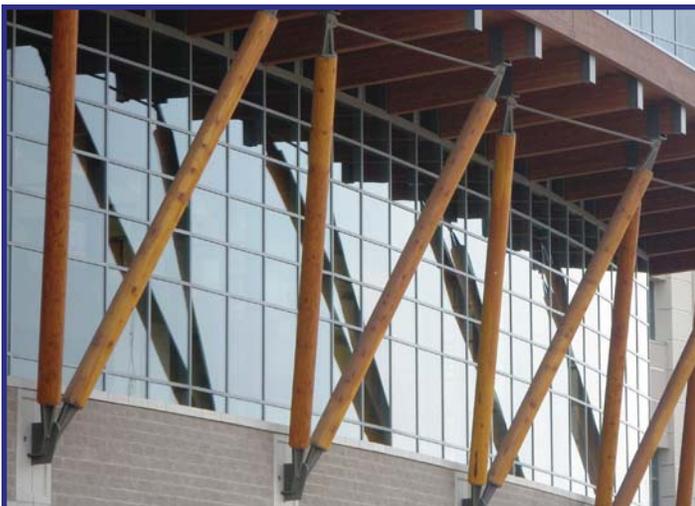
project reference

Mid America Testing Laboratory, Inc.
 Rick Heitmann
 10525 Signal Hill Drive
 Catawissa, Missouri 63015

Larson Engineering, Inc.
 Keith Quick
 5757 Phantom Drive
 Suite 200
 Saint Louis, Missouri 63042

PROJECT CASE STUDY

name	Branson Hilton Hotel and Convention Center
value	\$3.5M
location	Branson, Missouri
architect	TVS & Associates
gc/ cm	Killian Construction
scope	Exterior Glazing Package 75,000 SF
glazing	Viracon and Tristar
framing	Vistawall ICW-250 and Reliance Fully Captured Curtain Wall
completed	2007
description	2-1/2" x 7-1/4" typical curtain wall at the first 2 floors highlighted by a monumental 240' by 22' high serpentine wall. Floors 3 through 12 were inside glazed curtain wall/window wall hybrid.



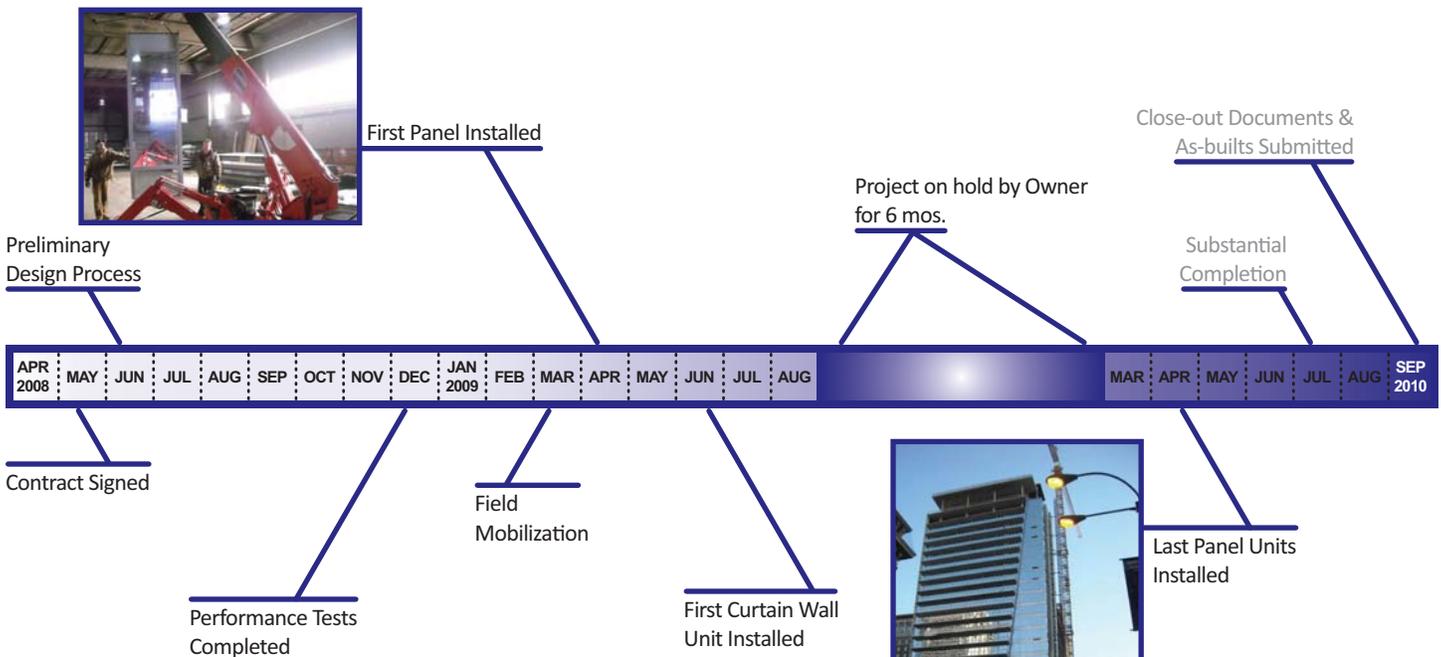
project reference

Killian Construction
Tony Hopkins
2664 East Kearney Street
Springfield, Missouri 65803

TVS & Associates
1230 Peachtree Street Northeast
Atlanta, Georgia 30309

PROJECT CASE STUDY

name Roberts Tower
value \$3.7M
location Saint Louis, Missouri
architect Trivers Associates
gc/ cm Alberici Constructors, Inc.
scope 21,000 SF custom designed unitized curtain wall
 19,000 SF pre-fabricated window wall
 5,000 SF custom designed stick built curtain wall
glazing Viracon
framing NGG Custom Unitized, CWC Series 8400 Window Wall
 and NGG Custom Stick-buillt Curtain Wall
completed 2010
description Consists of 2 depths of unitized curtain wall, a separate window wall system and NGG's own stick-built system for the 25th and 26th story penthouse floors. All framing systems were installed on or ahead of schedule. 90% of the exterior systems were factory assembled and glazed.



project reference

Alberici Constructors, Inc.
 JD Long
 8800 Page Avenue
 Saint Louis, Missouri 63114

Heitmann & Associates Inc
 John Sturdevant
 14323 South Outer 40
 Suite 604
 Chesterfield, Missouri 63017

PROJECT CASE STUDY

name	St. John's Mercy Medical Center - Heart Hospital; Tower C	
value	\$4.6M	
location	Saint Louis, Missouri	
architect	Christner Inc.	
gc/ cm	McCarthy Building Companies, Inc.	
scope	Exterior Glazing Package including skylight 85,000 SF	
glazing	Viracon	
framing	Convention Series Curtain Wall by NGG	
completed	2006	
description	Large custom composite panel scope includes coping, canopy, column covers and vertical fins. Serpentine curtain wall connection to main hospital. Tied new system to old system of the main hospital for seamless design integration. High span curtain wall at atrium entrance.	



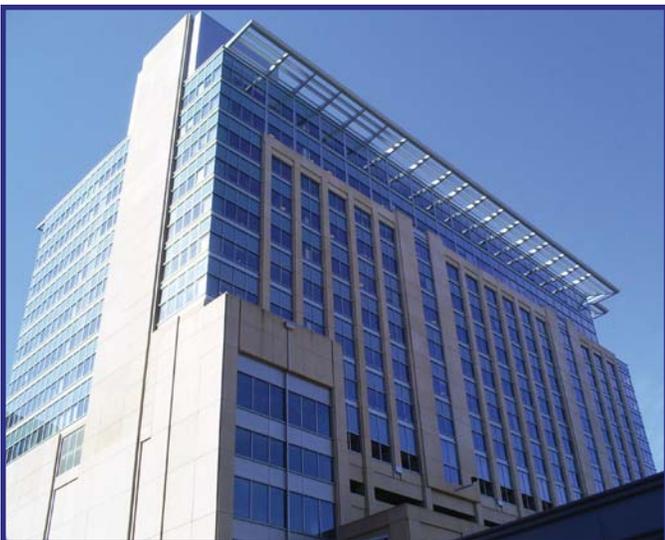
project reference

Heitmann & Associates, Inc.
14323 South Outer 40
Suite 604
Chesterfield, Missouri 63017

Christner Inc.
7711 Bonhomme Avenue
Suite 100
St. Louis, Missouri 63105

PROJECT CASE STUDY

name	Northwest Tower - Washington University, School of Medicine
value	\$3M
location	Saint Louis, Missouri
architect	Christner Inc.
gc/ cm	McCarthy Building Companies, Inc.
scope	Exterior Glazing Package 40,000 SF
glazing	Viracon
framing	Convention Series Curtain Wall by NGG
completed	2006
description	This building was constructed atop the parking garage of St. Louis Children's Hospital, located just to the north across Children's Place. 3" x 7-1/2" system unitized curtain wall to the fullest extent. Units as big as 40' by 13' were installed.



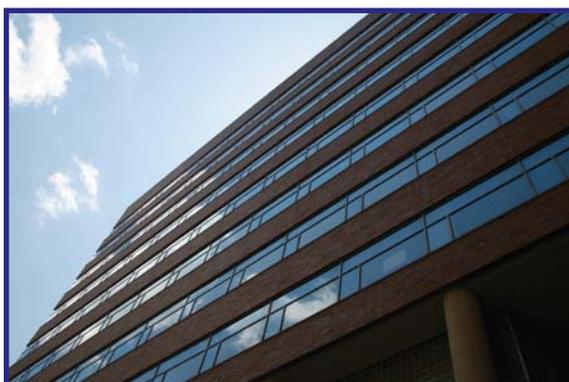
project reference

Larson Engineering, Inc.
Keith Quick
5757 Phantom Drive
Suite 200
Saint Louis, Missouri 63042

Christner Inc.
7711 Bonhomme Avenue
Suite 100
St. Louis, Missouri 63105

PROJECT CASE STUDY

name	McDonnell Pediatric and Basic Cancer Research Building, Washington University	
value	\$4.9M	
location	Saint Louis, Missouri	
architect	Perkins & Will	
gc/ cm	Jacobs/ Sverdrup Facilities, Inc.	
scope	Exterior and Interior Glazing Package 60,000 SF Curtain Wall	
glazing	Guardian	
framing	NGG Unitized Custom Curtain Wall & Windows	
completed	2000	
description	Gently curved transparent custom curtain wall utilizing 4 different depths of framing, multi-plane exterior trim, and rigid wrapping. Custom awning made of composite metal overhangs the building at the roof. Two massive clear span walls. Pedestrian bridge was constructed by reclaiming the original window system and improving to current industry standards.	



project reference

Perkins & Will
330 North Wabash Avenue
Suite 3600
Chicago, Illinois 60611

Jacobs Engineering
501 North Broadway
Saint Louis, Missouri 63102

PROJECT CASE STUDY

name	Lutheran General Hospital - Yacktmann Children's Pavilion	
value	\$1.1M	
location	Park Ridge, Illinois	
architect	Watkins Carter Hamilton Architects	
gc/ cm	Berglund Construction	
scope	Exterior Glazing Package 22,000 SF	
glazing	Viracon	
framing	Convention Series Curtain Wall by NGG	
completed	1996	
description	Convention Series Curtain wall incorporating a mixed use of shapes and curtain wall to achieve a unique award winning -Architecture for Health Design Award – Grand Prize Best All Around, IIDA Silver Award, Healthcare- architectural design.	



project reference

Berglund Construction Co.
8410 S South Chicago Avenue
Chicago, Illinois 60617

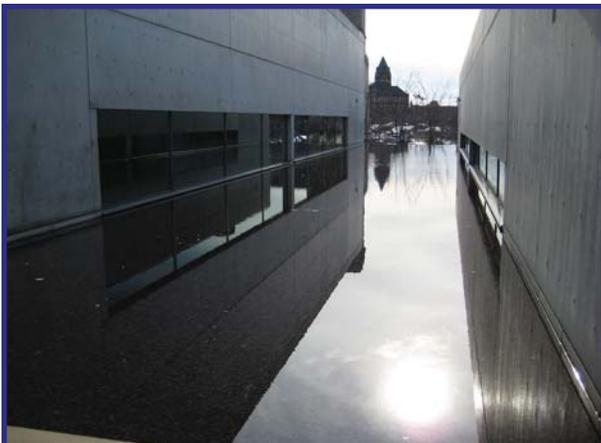
Watkins Carter Hamilton Architects
Suite 300
6575 West Loop South
Bellaire, Texas 77401

PROJECT CASE STUDY

name	The Pulitzer Foundation for the Arts
value	\$0.5M
location	Saint Louis, Missouri
architect	Tadao Ando
gc/ cm	BSI Constructors, Inc.
scope	Exterior Glazing Package 3,000 SF
glazing	Hehr
framing	Curtain Wall System by Wausau
completed	2000

description

"The central courtyard is covered with water, so that it is in effect an exhibition room with water for its floor and the sky for its ceiling... The sunlight, reflected and softened by the water, plays over the surfaces of the gallery. This gallery is filled, not with even light, but with a light that suggests the movement of the sun and the clouds outside, the passing of time, and the changing seasons." (T. Ando)



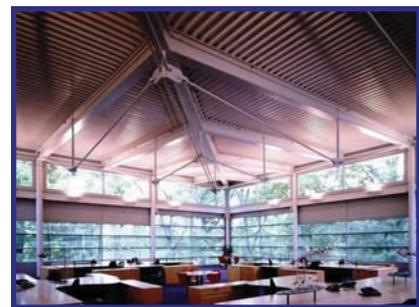
project reference

The Pulitzer Foundation for the Arts
Steve Morby
3716 Washington Boulevard
Saint Louis, Missouri 63108

BSI Constructors, Inc.
6767 Southwest Avenue
Saint Louis, Missouri 63143

PROJECT CASE STUDY

name	Tetra Pak Inc., U.S. Headquarters	
value	\$1.3M	
location	Chicago, Illinois	
architect	Solomon Cordwell Buenz & Associates Inc.	
gc/ cm	Power Construction Company	
scope	Exterior Glazing Package 38,000 SF	
glazing	Viracon	
framing	Convention Series Curtain Wall by NGG	
completed	2001	
description	The building is open, flexible, and flooded with natural light and views to the surrounding oak forest. Featuring exposed steel trusses, mechanical systems and high tech components, the building recalls the client's streamlined operation and product.	



project reference

Power Construction Company
2360 Palmer Drive
Schaumburg, Illinois 60173

Solomon Cordwell Buenz & Associates Inc.
625 North Michigan Avenue
Suite 800
Chicago, Illinois 60611

PROJECT CASE STUDY

name	Ranken Jordan Pediatric Rehabilitation Center
value	\$1.2M
location	Saint Louis, Missouri
architect	Lighthouse Architects, Inc.
gc/ cm	McCarthy Building Companies, Inc.
scope	Exterior Glazing Package 28,000 SF
glazing	Cardinal
framing	Convention Series Curtain Wall by NGG
completed	2003
description	High span Convention Series curtain wall, structurally glazed with custom steel fabrication. (Center panels: 10 feet wide by 48 feet tall).



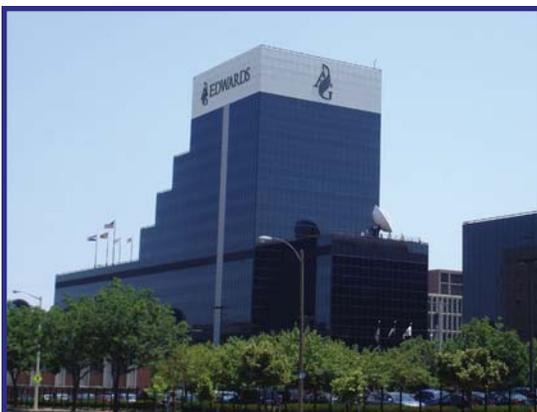
project reference

McCarthy Building Companies, Inc.
1341 North Rock Hill Road
Saint Louis, Missouri 63124

Lighthouse Architects, Inc.
14323 South Outer 40
Suite 604
Chesterfield, Missouri 63017

PROJECT CASE STUDY

name	Wachovia Securities Headquarters, formerly various A.G. Edwards buildings	
value	\$8.5M	
location	Saint Louis, Missouri	
architect	Raymond E Maritz & Sons Inc.	
gc/ cm	BSI Constructors Inc.	
scope	Exterior Glazing Package including 9 story Pedestrian Bridge 200,000 SF	
glazing	Viracon	
framing	Custom Curtain Wall by NGG	
completed	1998	
description	Granite and glass composite wall. Panels sizes were up to 50' wide by 12' tall. Custom revolving doors and custom 6" parapet handrail. 20' radius dormer windows.	



project reference

BSI Constructors Inc.
Fred McCall
6767 Southwest Avenue
Saint Louis, Missouri 63143

Raymond E Maritz & Sons Inc.
712 North 2nd Street
Suite 10
Saint Louis, Missouri 63102

PROJECT CASE STUDY

name	MDSI Riverport
value	\$1.8M
location	Maryland Heights, Missouri
architect	Sverdrup Facilities, Inc.
gc/ cm	Sverdrup Facilities, Inc.
scope	Exterior Glazing Package 67,000 SF
glazing	Guardian
framing	Convention Series Curtain Wall by NGG
completed	1992
description	Convention Series curtain wall, with a fully captured application, comprising an 11 story radius curtain wall.



project reference

Jacobs Sverdrup Constructors Inc.
501 North Broadway
St Louis, Missouri 63102

Stock & Associates Consulting Engineers
2127 Innerbelt Business Center Drive
Saint Louis, Missouri 63114

PROJECT CASE STUDY

name	America's Center Convention Complex
value	\$2.3M
location	Saint Louis, Missouri
architect	HOK Group, Inc.
gc/ cm	McCarthy Building Companies, Inc.
scope	Exterior Glazing Package 28,000 SF
glazing	Cardinal
framing	Convention Series Curtain Wall by NGG
completed	1991
description	High span Convention Series curtain wall, structurally glazed with custom steel fabrication. (Center panels: 10 feet wide by 48 feet tall).



project reference

McCarthy Building Companies, Inc.
1341 North Rock Hill Road
Saint Louis, Missouri 63124

HOK Group, Inc.
211 North Broadway
Suite 700
Saint Louis, Missouri 63102

PROJECT CASE STUDY

name	Edward Jones Dome
value	\$3.8M
location	Saint Louis, Missouri
architect	HOK
gc/ cm	Alberici Constructors, Inc.
scope	Exterior Glazing Package 110,000 SF
glazing	Pilkington
framing	Convention Series Curtain Wall by NGG
completed	1995
description	The Edward Jones Dome is the home of the National Football League's St. Louis Rams.



project reference

Alberici Constructors, Inc.
8800 Page Avenue
Saint Louis, Missouri 63114

HOK Group, Inc.
211 North Broadway Avenue
Suite 700
Saint Louis, Missouri 63102

PROJECT CASE STUDY

name	Central Bank Financial Center
value	\$2M
location	Jefferson City, Missouri
architect	SOM
gc/ cm	McCarthy Building Companies, Inc.
scope	Exterior Glazing Package 24,000 SF
glazing	Viracon
framing	Convention Series Curtain Wall by NGG
completed	2003
description	High span Convention Series custom curtain wall, structurally glazed, accented with a 1/2 inch aluminum margin in the butt-glazed area. This wall incorporated high performance thermal resistance.



project reference

McCarthy Building Companies, Inc.
1341 North Rock Hill Road
Saint Louis, Missouri 63124

SOM Chicago
224 S. Michigan Avenue
Suite 1000
Chicago, Illinois 60604