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THE BLACKSTONE GROUP



Technology Division

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Our Technology Division

Founded in 1987, The Blackstone Group is a highly respected Chicago-based consulting firm. The Technology Division has earned a reputation for offering design and detailing services to organizations seeking cost effective access to dynamic international market opportunities. Here at the Blackstone Group, we are committed to providing the highest quality of work, to every project and every client, both nationally and internationally. We believe in developing long-term relationships and work hard to maintain them.

The Technology Division of the Blackstone Group includes a well-qualified staff with the necessary experience and background to provide such services to a wide variety of clients. A project manager heads each project, effectively communicating the clients' needs to our experienced and certified technical staff. Engineers, detailers and checkers function as an extension of the client staff performing at high standards of:

- Quality
- Timeliness
- Service
- Cost Advantage

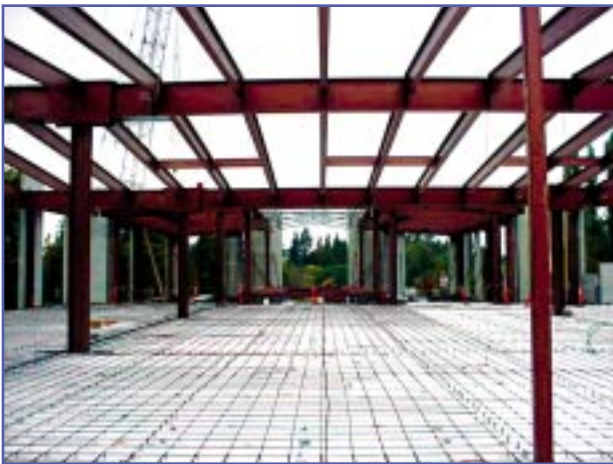
The Blackstone Group Technology Division understands the sensitive nature of our clients' work, and maintains a high level of confidentiality and security accordingly. We form a partnership with our clients to thoroughly explore their needs and processes in order to design the best solution to produce the best results.



Detailing Services

The Blackstone Group Technology Division has extensive experience with commercial and industrial projects with detailing difficulties ranging from simple to complex. We offer steel detailing services for a broad range of applications to meet our clients' needs. Some of these services include:

- 3D modeling
- Advanced bills of material
- Anchor rod plans and details
- Connection design
- Drawing conversions (redraw or scan and vectorize)
- Point-to-point bolt lists
- Shop details & erection sheets
- Piping diagrams/isometrics
- Drawn in Imperial and/or metric



Terminal Radar Approach Control (TRACON) Building
Seattle-Tacoma International Airport
Client: Brooklyn Iron Works, Inc., Spokane, WA



Significant Detailing Projects

The Blackstone Group Technology Division has been involved in different types of detailing projects comprising from 3-1500 drawings. A few examples of our endeavors include:

Churches:

- Covenant Life Church, Gaithersburg, MD
- Hindu Cultural Center, Bartlett, IL
- Mt. Hebron Missionary Baptist Church, Garland, TX
- St. John's Church, Norman, OK
- Third Baptist Church, Chicago, IL

Commercial Buildings:

- 6 North Michigan Hi Rise Conversion, Chicago, IL
- Abraham Lincoln Presidential Museum, Springfield, IL
- C Burrs Arts Library, Frederick, MD
- Eden Prairie Library, Eden Prairie, MN
- Gaylans Sports Center, Salt Lake City, UT
- Grayville Prison, Grayville, IL
- Navy's Pacific Command Headquarters, Honolulu, HI
- Northfield Hospital Nursing Facility, MN
- Omni Parker House Hotel Expansion, Boston, MA
- Steve Bailey Honda, Oklahoma City, OK

Conveyor Systems:

- 48" Stacker Conveyor, Omaha, NE
- Baldwin Coal Handling System, Baldwin, IL
- Coal Conveyor System, Puerto Rico
- Comalco Alumina Refinery Project, Australia
- Dubai Aluminium Project, Dubai, India
- Ijaci Greenfield, Brazil
- IMC Salt Crushing/Screening Facilities, Cote Blanche Island, LA
- Pet Coke Handling System, Alexandria, Egypt
- Red Hills Generating Facility, Ackerman, MS
- Rock Conveyor System, Bahamas
- Western Resources Coal Handling System, KS
- Western Resources Tecumseh Energy Center, KS

Significant Detailing Projects

Industrial:

- Army Combined Support Maintenance Shop, Lansing, MI
- Burbank Power Plant Expansion, Burbank, CA
- General Motors Stamping Plant, Lansing, MI
- Ghana Cement Terminal, Nigeria
- Holnam Cement Plant Expansion, Florence, CO
- Honolulu Advertiser, Honolulu, HI
- Munitions Destruction Facility, Pine Bluff, AR
- Premium Beer Warehouse, Oklahoma City, OK



Schools:

- Alsip School, Alsip, IL
- Bolingbrook High School, Bolingbrook, IL
- Bowie High School Performing Arts Center, Bowie, MD
- Jenks West Intermediate School, Tulsa, OK
- Pahang Matriculation School, Malaysia (5 buildings)
- Plainfield High School, Plainfield, IL
- Sinclair College Building, Dayton, OH
- Wayne State University Welcome Center, Detroit, MI
- Westfield Jr. High School, Bloomingdale, IL

Miscellaneous:

- Bright Horizons Day Care Center, Deer Park, IL
- Cub Foods, Chicago, IL
- Hydraulic Gates, Khasim El Grirba, Kenya
- Loews Movie Theater, County Club Hills, IL
- Oakwood Suites, Lake Zurich, IL
- Osco Drugs, Park Forest, IL
- Pipe Racks/vessel support structures, Haradh, Saudi Arabia
- Railway Stations – 2, Rawang-Ipoh Electrification Project, Malaysia
- Replacement Metra Stations, Hazel Crest & Richton Park, IL
- Roseland, Englewood & Austin Senior Satellite Centers, Chicago, IL
- Soldier Field, Chicago, IL
- Sun Ray Transit Hub, St. Paul, MN
- Walgreens, Oswego, Arlington Heights & Chicago, IL
- YMCA Expansion, Naperville, IL



Covenant Life Church, Gaithersburg, MD
 Client: Structural Steel Fabricators, Linthicum Heights, MD

Design Services

The Blackstone Group Technology Division has the experience and capabilities in a wide variety of structural and mechanical design services to meet the varying needs of our clients. Our teams are comprised of a professional staff with in-depth knowledge and design expertise in the following areas:

- Conveyor gantries, bents and transfer towers
- Steel storage silos, bins and bunkers
- Large capacity storage sheds
- Wagon and truck tipper systems
- Structures for power and process plants
- Pipe racks
- Boilers, pressure vessels and heat exchangers
- Piping systems
- Pile foundations
- Foundations for equipment/buildings

We also perform design calculations and analysis for a variety of different projects, such as:

- Bulk material handling systems
- Industrial structures
- Single and multistory building frames

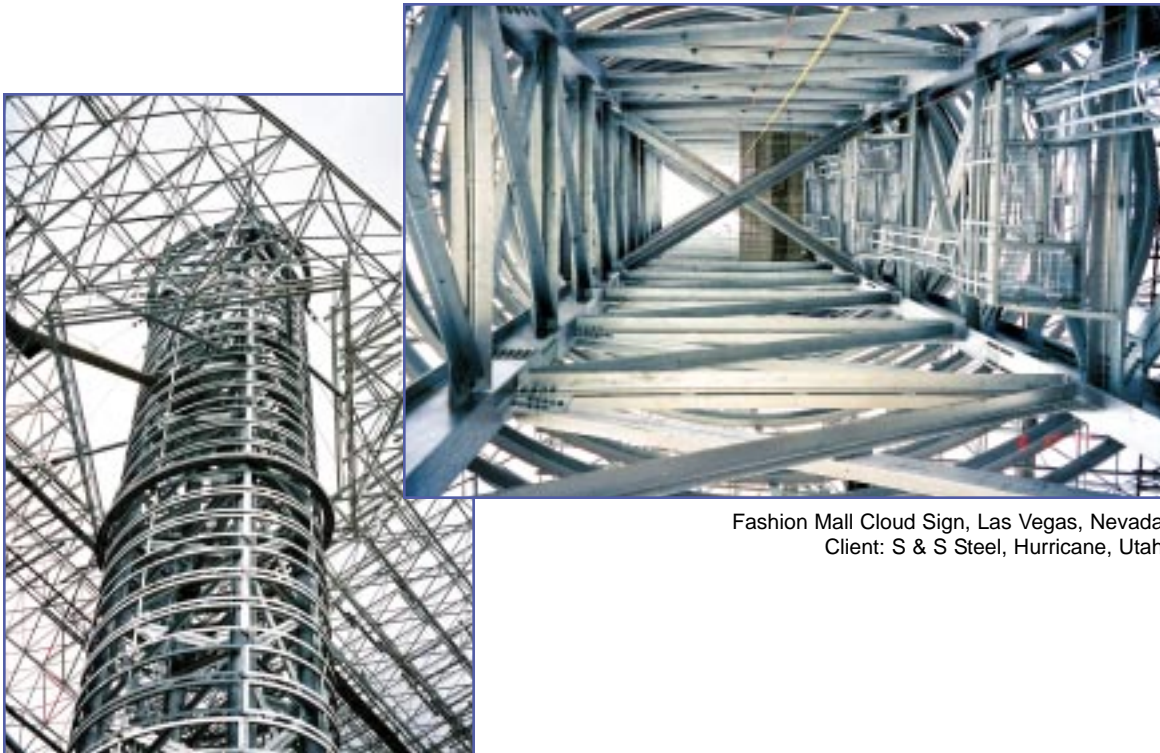


Abraham Lincoln Presidential Museum, Springfield, Illinois
 Client: United Steel Fabricators, Inc., Indianapolis, Indiana

Significant Structural Design Projects

The Blackstone Group Technology Division has accomplished extensive design engineering for cement and material handling systems in many projects. We have worked on large-scale projects around the world; a few examples of these projects include:

- Clinker Handling System, ACC-Wadi, India
- Clinker Handling System, Cementos Progreso, Canada
- Clinker Handling System, Lagan Cements, Ireland
- Clinker Handling System, PHS Expansion Project, Malaysia
- Clinker Handling Terminal, Cementos Colon, Dominican Republic
- Coal/Clay/Slag Handling System, Campo Formoso-Bahia, Brazil
- Combined Cement & Clinker Export Terminal, Saudi Arabia
- Conveyor Bridges for Castle Cements, UK; Holnam Portland Plant, CO
- Gypsum Handling Plant, Amran, IHI, Japan
- Limestone/Clinker/Coal Handling System, Ijaci-Greenfield, Brazil
- Pet Coke Handling System, Alexandria, Egypt



Fashion Mall Cloud Sign, Las Vegas, Nevada
Client: S & S Steel, Hurricane, Utah

Resources

Technology and Capabilities:

The Blackstone Group Technology Division's comprehensive staff is supported by state-of-the-art computer equipment and project management software to provide all-inclusive services to our clients:

- Analysis using: STAAD PRO computer software with built-in code check facility for AISC, DIN, BS, and IS codes
- AutoCAD and X Steel detailing software
- Plot drawings up to E size (36") on an OCE model number 9305
- Scan drawings up to E size (36") on an OCE model number 4730
- Annotations in a variety of languages
- Computerized automation
- Electronic sales and maintenance manuals
- Electronic or hard copy delivery of drawings
- In-house scanning/plotting capabilities
- Own FTP site accessible to clients
- Parametric Electronic Catalogue conversion
- Parametric programming

Professional Team:

Our Technology Division's strength lies in our team of dedicated and qualified professionals. We have a staff of over 100 senior project managers, checkers, detailers, and full-time licensed engineers.

Quality Assurance:

Our rigorous quality control and systems ensure that your projects are completed accurately and on time, every time. We pride ourselves on offering quality services to each one of our clients and projects. As a testimony to our quality and service commitment, we are certified by the NISD.



Project Proposals

The Blackstone Group Technology Division will accept either electronic or hard copy submissions of design information for bidding. We respond to your request promptly with a comprehensive proposal.



Hubert H. Humphrey Terminal Skyway
 Minneapolis/St. Paul International Airport, St. Paul, MN
 Client: KG Inc, Oakdale, MN



List of Clients

Domestic:

- American Steel Stair, Inc, New Haven, MI – Fabricator / Erector
- Bridgeport Steel, Chicago, IL – Fabricator
- Brooklyn Iron Works, Spokane, WA – Fabricator
- Corporate Metals, Claremore, OK
- Graycor, Chicago, IL – General Contractor / Erector
- Hanley Steel, Peoria, IL – Fabricator
- Hirschfeld Steel, San Angelo, TX – Fabricator / Erector
- LeJeune Steel, Minneapolis, MN – Fabricator
- Longero, Denver, CO – Fabricator
- Munster Steel, Munster, IN – Fabricator
- North Alabama Fabricator Co., Birmingham, Alabama – Fabricator
- Roberts & Schaefer, Chicago, IL – Material Handling System Design Build Company
- Shelco Steel, South Holland, IL – Fabricator
- SCI Steelcon, Kalamazoo, MI – General Contractor / Erector
- S & S Steel Fabrication, Hurricane, Utah – Fabricator
- Tarrier Steel, Columbus, OH – Fabricator
- United Steel Fabricators, Inc., Indianapolis, IN – Fabricator

International:

- Aumund Group Worldwide – Material Handling Company
- Babcock Borsig Power – Power Plant Boiler Manufacturer
- Bechtel – Engineering and Construction Company
- Dürr India, a subsidiary of Dürr, Germany – Specialty Coatings / Paint Booths
- Fuller India and FFE Minerals (Group of FLSmith) – Cement and Mineral Processing Machinery
- Gulf Engineering Company, Jubial (Saudi Arabia) – Pressure Vessel Manufacturer
- International Development and Engineering Associates – Engineers / Consultants
- LOUISE Fördertechnik (Germany) – Material Handling Company
- Shin Eversendai Engineering(M) Sdn. Bhd, Malaysia – Engineers / Fabricators / Erectors

Contact

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For estimating needs: Contact Kerry Spitznagle