



## TY MONKS, P.E., LEED A.P., MANAGING PRINCIPAL

Ty Monks has over eleven years of experience as a structural engineer. He is responsible for the day-to-day management and operations at Nishkian Monks, and is actively involved with all projects in the office. He has extensive experience in wood, steel and concrete design. His wide range of experience can also be measured in terms of scale of projects, diversity of work, and people/office management. Ty's careful consideration to details and his attentive and responsive service have earned him a reputation of continual excellence.

### RELEVANT PROJECT EXPERIENCE

#### **First Security Bank Renovation & Addition - Bozeman, MT**

Project Role: Principal & Project Manager  
Structural System: Brace Frames, Moment Frames, Masonry Shear Walls

#### **Snowload Office Building - Bozeman, MT**

Project Role: Principal & Project Manager  
Structural System: Structural Steel, Moment Frames, Conventional Wood Framing

#### **Spanish Peaks Clubhouse - Big Sky, MT**

Project Role: Principal & Project Manager  
Structural System: Concrete Post-tensioned Podium, Conventional Wood Framing with Some Structural Steel, Heavy Timber Round Log Framing

#### **Pinnacle Restaurant - Big Sky, MT**

Project Role: Principal & Project Manager  
Structural System: Heavy Timber and Conventional Wood Framing, Steel Moment Frames

#### **Four Seasons Resorts - Jackson Hole, WY**

Project Role: Project Engineer  
Structural System: Composite Steel, Post-tensioned Concrete, Conventional Wood Framing

#### **Shipley Square Condominium Housing - San Francisco, CA**

Project Role: Project Manager & Design Engineer  
Structural System: Post-tensioned Concrete, Masonry Shear Walls, Light Gage Metal Framing

### EDUCATION

University of California  
Berkeley  
Bachelor of Architecture  
1995  
Master of Science  
Structural Engineering  
1997  
Master of Architecture  
1997

### ENGINEERING LICENSES

California  
C-64229  
Indiana  
PE-10303107  
Montana  
PE-15860  
South Dakota  
PE-8992  
Utah  
PSE-5912051-2203

### PROFESSIONAL ORGANIZATIONS

Green Building Certification  
Institute  
  
American Society of Civil  
Engineers  
  
International Code Council  
  
American Institute of Steel  
Construction, Inc.  
  
Structural Engineers  
Association of Northern  
California  
  
American Council of  
Engineering Companies



## SCOTT HIGINBOTHAM, P.E., S.E. - PRINCIPAL

Mr. Higinbotham has been a part of the Nishkian Monks design team since May of 2004, starting out as a project engineer and becoming a Partner in 2006. Prior to joining Nishkian Monks, Mr. Higinbotham spent four years working for Rathgeber / Goss Associates in Rockville, MD as a structural design engineer. Mr. Higinbotham has worked on a wide variety of projects throughout his career ranging from small residences and consulting projects to large multi-story office buildings. Mr. Higinbotham is known for providing a high level of service through the entire project from schematic design through construction completion.

### RELEVANT PROJECT EXPERIENCE:

#### **Bozeman High School Renovation & Addition – Bozeman, MT**

Project Role: Principal & Project Manager

Structural System: Composite Steel, Brace Frames, Moment Frames, Masonry Shear Walls

#### **Capstone Medical Office Building – Bozeman, MT**

Project Role: Project Manager

Structural System: Conventional Wood Framing with Some Structural Steel

#### **Big Sky Village Center – Big Sky, MT**

Project Role: Project Manager

Structural System: Two-Way Flat Slab Podium Supporting Conventional Wood Framing

#### **Capital One Headquarters – McLean, VA**

Project Role: Design Engineer

Structural System: Composite Steel with Braced Frames and Post-Tensioned Concrete

#### **Chisdak Dental Surgery Center – Bozeman, MT**

Project Role: Project Manager & Design Engineer

Structural System: Conventional Wood Framing with Custom Wood & Steel Trusses

#### **Britannia Oyster Point Phase 2 – South San Francisco, CA**

Project Role: Project Manager

Structural System: Composite Steel with Braced Frames

#### **Clear Creek Middle School – Buffalo, WY**

Project Role: Project Manager

Structural System: Structural Steel and Masonry

### EDUCATION

The Pennsylvania State  
University  
Bachelor of Arch. Engineering  
Structural Emphasis  
2000

### ENGINEERING LICENSES

California  
C 72750

Connecticut  
PEN.0026786

Montana  
PE 16759

New York  
085089-1

Nevada  
SE 019760

Pennsylvania  
PE 075089

Wyoming  
PE 11646

### PROFESSIONAL ORGANIZATIONS

American Institute of Steel  
Construction

Structural Engineer's  
Association of Montana

American Concrete Institute



## MATT T. MILLER, P.E. – ASSOCIATE

Mr. Miller joined Nishkian Monks in June of 2005, working as a Project Engineer and as an Associate in 2006. Prior to joining Nishkian Monks, Mr. Miller spent four years working for Allied Engineering Services, Inc. as a structural design engineer.

Mr. Miller has a wide expanse of experience in designing structures; from small single family residences to large multi-story commercial buildings and educational facilities. He is proficient in designing structures in regions of high seismicity utilizing steel, concrete, masonry, and wood. Mr. Miller is also one of the leading consulting engineers for the structural insulated panel industry. Mr. Miller is experienced in existing masonry structures, having provided engineering services on more than 7 structures over 100 years old.

Mr. Miller has provided structural plan review services for local jurisdictions on over \$100 Million in commercial projects.

### **RELEVANT PROJECT EXPERIENCE**

#### **MSU Animal Bioscience Facilities – Bozeman, MT**

Project Role: Project Manager

Structural System: Composite Steel, Brace Frames

#### **New Chief Joseph Middle School – Bozeman, MT**

Project Role: Project Manager

Structural System: Load Bearing Masonry, Composite Steel

#### **Big Sky Town Center – Big Sky, MT**

Project Role: Project Manager

Structural System: Wood Framing, Steel Moment Frames & Wood Shear Walls

#### **Mill Street Lofts – Bozeman, MT**

Project Role: Project Manager

Structural System: Composite Steel, Braced Frames

#### **Hamilton Landing – Novato, CA**

Project Role: Project Manager

Structural System: Tilt-up Concrete

#### **Rialto Building Remodel – Bozeman, MT**

Project Role: Project Manager

Structural System: Load bearing Masonry & Steel Frames

#### **Lerner Office – Bozeman, MT**

Project Role: Project Manager

Structural System: Composite Steel, Moment Frames, Masonry Shear Walls

#### **New Bozeman Library – Bozeman, MT**

Project Role: Project Engineer

Structural System: Composite Steel, Moment Frames, Heavy Timber Construction

### **EDUCATION**

Montana State University  
Bachelor of Science  
2001

Montana State University  
Masters of Science-  
Structural Engineering  
2002

### **ENGINEERING LICENSES**

Montana  
PE-14844

### **PROFESSIONAL ORGANIZATIONS**

American Institute of Steel  
Construction

Structural Engineer's  
Association of Montana

### **SPECIALIZED TRAINING**

California Division of State  
Architect – Structural Plan  
Review



## **NATHAN MCBRIDE, P.E.- PROJECT MANAGER**

Mr. McBride joined Nishkian Monks in February of 2007, working as a Project Engineer and has moved into Project Management. Prior to joining Nishkian Monks, Mr. McBride spent five years working for Magnusson Klemencic Associates in Seattle, WA as a structural design engineer.

While working for Magnusson Klemencic Associates in Seattle, Mr. McBride gained valuable experience in the design, analysis, and planning of high-rise concrete structures in regions of high seismicity. He analyzed and designed concrete towers ranging from 8 to 64 stories. This experience coupled with the commercial and residential projects at Nishkian Monks have provided Mr. McBride with the skills necessary to design projects of any size. The varying size of projects has provided Mr. McBride with the opportunity to design structures using design materials such as concrete, steel, masonry, wood, and lightgauge steel.

### **RELEVANT PROJECT EXPERIENCE**

#### **New Bozeman Elementary School - Bozeman, MT**

Project Role: Project Manager

Structural System: Load Bearing Masonry Walls

#### **Ophir School Additions - Big Sky, MT**

Project Role: Project Manager

Structural System: Load Bearing Masonry and Metal Stud Walls

#### **Tire-Rama - Bozeman, MT**

Project Role: Project Manager

Structural System: Load Bearing Masonry Walls and Conventional Wood Framing

#### **First Security Bank Renovation & Addition - Bozeman, MT**

Project Role: Project Manager

Structural System: Moment Frames, Masonry Shear Walls

#### **Snowload Office Building - Bozeman, MT**

Project Role: Project Manager

Structural System: Structural Steel, Moment Frames, Conventional Wood Framing

### **EDUCATION**

Utah State University  
Bachelor of Science  
2001

University of Washington  
Masters of Science-  
Structural Engineering  
2002

### **ENGINEERING LICENSES**

Washington  
PE 42798

### **PROFESSIONAL ORGANIZATIONS**

American Institute of Steel  
Construction



## CHARLIE HIBL, P.E.- DESIGN ENGINEER

Mr. Hibl joined Nishkian Monks in January of 2006, working as a Design Engineer. Prior to joining Nishkian Monks, Mr. Hibl worked as a software developer for the structural engineering software company Integrated Engineering Software, Inc. in Bozeman, MT. In his work at IES, Mr. Hibl gained a thorough understanding of the inner workings of structural engineering software. He also gained extensive experience in advanced modeling techniques utilizing structural engineering software. In his work at Nishkian Monks, Mr. Hibl has gained extensive experience in the design of commercial and educational structures utilizing Wood, Steel, Masonry, and Concrete. He had also gained experience in the retrofit of existing structures.

### RELEVANT PROJECT EXPERIENCE

#### **Bozeman High School Renovation & Addition – Bozeman, MT**

Project Role: Design Engineer/Inspector  
Structural System: Composite Steel, Brace Frames, Moment Frames, Masonry Shear Walls, Grade Beam and Helical Pier Foundation System

#### **Britannia Oyster Point Phase 2 – South San Francisco, CA**

Project Role: Design Engineer  
Structural System: Composite Steel, Braced Frames

#### **New Chief Joseph Middle School – Bozeman, MT**

Project Role: Design Engineer/Inspector  
Structural System: Composite Steel, Load Bearing Masonry Shear Walls

#### **Hamilton Landing – Novato, CA**

Project Role: Design Engineer  
Structural System: Steel Bar Joist Floor and Roof, Tilt-up Concrete Exterior Bearing Shear Walls, Mat Foundation

#### **Rialto Building Remodel – Bozeman, MT**

Project Role: Design Engineer  
Structural System: Wood Framing, Load Bearing Masonry Shear Walls, Steel Moment Frames

### EDUCATION

Montana State University  
Bachelor of Science Civil  
Engineering  
2003  
Masters of Science Civil  
Engineering  
2005

### ENGINEERING LICENSES

Montana  
PE 16234

### PROFESSIONAL ORGANIZATIONS

American Institute of Steel  
Construction



## JON JUPKA, E.I.T. - DESIGN ENGINEER

Mr. Jupka joined Nishkian Monks in September of 2006. Since joining Nishkian Monks Mr. Jupka has furthered his experience in the structural design of both residential & commercial projects with various types of building materials including: wood, steel and concrete. Prior to joining Nishkian Monks, before joining Nishkian Monks he managed projects specializing in land development for major subdivisions in the Bozeman area. Mr. Jupka has also worked in the surveying and residential framing field.

### RELEVANT PROJECT EXPERIENCE

#### **New Bozeman Elementary School - Bozeman, MT**

Project Role: Design Engineer/Inspector  
Structural System: Brace Frames, Moment Frames, Masonry Shear Walls

#### **Bozeman High School Renovation & Addition – Bozeman, MT**

Project Role: Design Engineer/Inspector  
Structural System: Composite Steel, Brace Frames, Moment Frames, Masonry Shear Walls

#### **New Chief Joseph Middle School – Bozeman, MT**

Project Role: Design Engineer/Inspector  
Structural System: Load Bearing Masonry Shear Walls, Composite Steel

#### **Rialto Building Remodel – Bozeman, MT**

Project Role: Design Engineer  
Structural System: Load bearing Masonry & Steel Frames

#### **Snowload Office Building - Bozeman, MT**

Project Role: Design Engineer  
Structural System: Structural Steel, Moment Frames, Conventional Wood Framing

### EDUCATION

Montana State University  
Bachelor of Science  
2003

### ENGINEERING LICENSES

Montana  
EIT 16327

### PROFESSIONAL ORGANIZATIONS

American Institute of Steel  
Construction