

SIDEPLATE SYSTEMS CREATES STEEL FRAME SOLUTIONS FOR STRUCTURES IN ALL DESIGN ENVIRONMENTS.

With the advent of **SidePlate FRAME™**, superior performance now comes with the *least cost*:

EASY TO SPECIFY

- No License Agreement Required

MORE ECONOMICAL

- 50% Less Shop Labor
- No CJP Welds
- No Wide Loads
- Saves 1-4psf in steel frame tonnage

SHORTER CONSTRUCTION SCHEDULE

- Full-Length Beam Erection
- 100% Fillet Welds
- No Ultrasonic Testing Inspection

MEGA PERFORMANCE

- Highest SMF Ductility
- Up to 7% Interstory Drift
- Eliminates onset of Progressive Collapse

Which means SidePlate FRAME™ now **saves money** on virtually *any* project when compared to alternative structural systems, even when wind controls.

SIDEPLATE SYSTEMS, INC.
a subsidiary of Mitek, a BERKSHIRE HATHAWAY Company

To learn more, call **800/475-2077**
or log on to **www.SidePlate.com/FRAME**



**SIDEPLATE
FRAME™**

LEARN MORE

Register for
Upcoming Webinars
www.sideplate.com/webinar

"The new SidePlate moment frame details made it possible to achieve the flexibility and performance the client desired for the braced frame price."

BRAD SCHAAP, P.E.
CORPORATE DIRECTOR OF SUSTAINABILITY
Leo A. Daly—Omaha, NE

 **SIDEPLATE®**
Setting the Steel Frame Standard™
FOR PERFORMANCE, SECURITY & ECONOMY.

SIDEPLATE FRAME™

FAST, RELIABLE AND MASTER ENGINEERED/ERECTED

"By using the new SidePlate FRAME detail, we were able to reduce the weight of the structure and the amount of moment frames required for the project, resulting in substantial savings to the overall project budget."

MARSH SPENCER,
EXECUTIVE VICE PRESIDENT
Steel Fab—Charlotte, NC

"SidePlate is already recognized as being the nation's best choice for blast resistant structures. Hirschfeld's experience with the innovations incorporated into the new SidePlate FRAME system tells us that it could soon become the standard for all steel frame buildings."

DENNIS HIRSCHFELD, P.E., CEO
Hirshfeld Industries –
San Angelo, TX

SIDEPLATE FRAME™ CASE STUDIES

WIND GOVERNS

MOMENT FRAME
TO MOMENT FRAME

Project: 6-Story Building - Pineville, NC

Lateral Design Criteria: Wind Governed - 90 MPH Wind, S1=0.005 Seismic

SidePlate Solution: \$248,000 Savings (1.0 psf Fewer Tons)
and 24% Fewer Connections

Architect: Wright McGraw Beyer Architects

Structural Engineer: Walter P. Moore

Area: 195,000 sf

Comparing System: WUF-B (Welded Flange - Bolted Web) Moment Frame

SEISMIC GOVERNS

Project: 8-Story Hospital - San Jose, CA

Lateral Design Criteria: Seismic Governed, S1=.6

SidePlate Solution: \$620,000 Savings (2.5 psf Fewer Tons)
and 3 weeks in Construction Schedule

Architect: Anshen + Allen Architects

Structural Engineer: Rutherford & Chekene

Area: 526,000 sf

Comparing System: Dogbone (RBS) Moment Frame

BRACED FRAME
TO MOMENT FRAME

Project: 5-Story Building - Ft. Riley, KS

Lateral Design Criteria: 90 MPH Wind, S1=0.06 Seismic

SidePlate Solution: Desired Flexibility and Performance for
Essentially Same Price as Braced Frame

Architect: Leo A. Daly

Structural Engineer: Leo A. Daly

Area: 560,000 sf

Comparing System: Ordinary Concentric Braced Frame

Project: 5-Story Hospital - Sacramento, CA

Lateral Design Criteria: Seismic Governed

SidePlate Solution: \$240,000 Savings While Eliminating
the Restricted Work Flow of the Braces

Architect: Lionakis

Structural Engineer: Lionakis

Area: 158,000 sf

Comparing System: BRBF (Buckling Restraint Braced Frames)