

Wall Bracing *How to Use This Section of the Catalog*

Product Information

This section references products featured elsewhere in the catalog. For complete information on these products see the pages listed below.

Strong Frame™ Ordinary Moment Frame

- Standard Applications on Concrete Foundations
- Engineered Anchorage Solutions

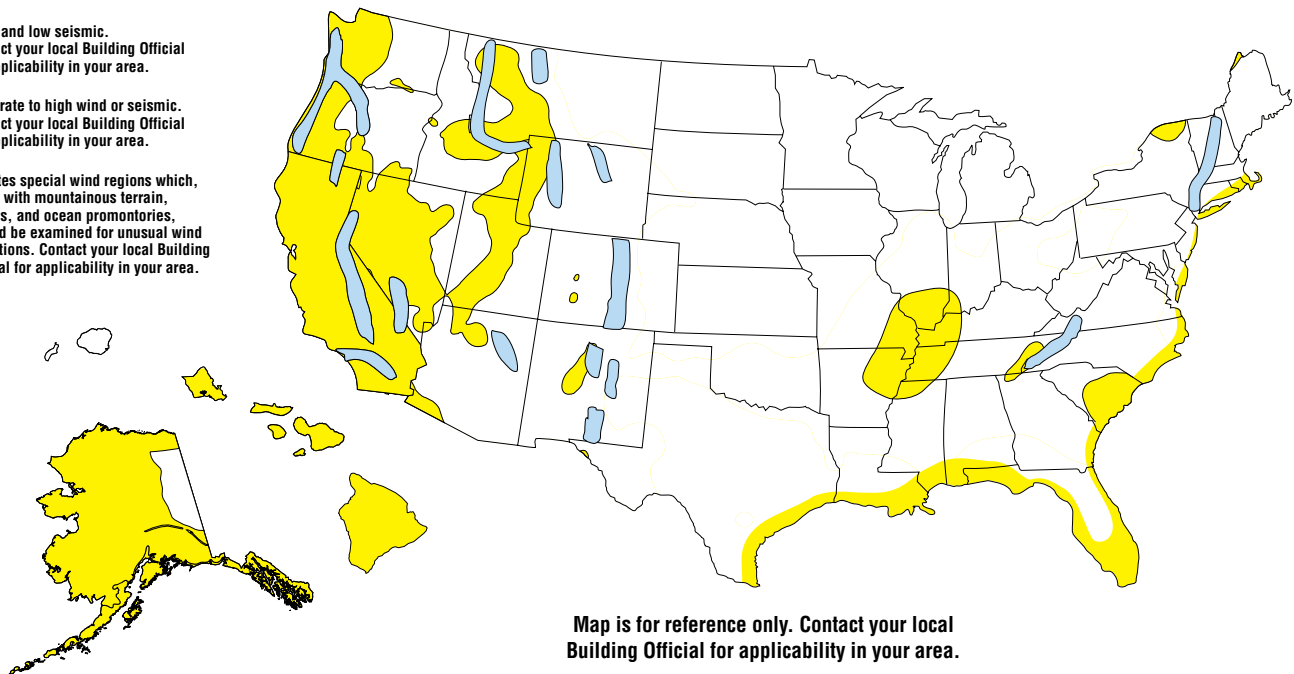
Adhesive Anchors (SET-XP™, SET and Acrylic-Tie®): page 39

Moment Frame / Anchorage Selection Process

STEP ONE	CLASSIFY YOUR JOBSITE LOCATION. Determine if the jobsite is in a wind or seismic zone (see map below). Consult your local Building Official for specific wall bracing requirements at your location.	EXAMPLE: See Wind and Seismic Map below. Jobsite: Lincoln, Nebraska. Wind zone per map.
STEP TWO	IDENTIFY YOUR BRACING QUANTITY REQUIREMENTS. Refer to the applicable building code.	EXAMPLE: Application is a two-story, three-car garage with 8' plate height. Bracing requirements = 16% x 35' wide = 5.6' (per IRC table R6.02.10.1) use 8-foot substitution.
STEP THREE	WHAT TYPE OF FOUNDATION DO YOU HAVE? Curb Foundations, pages 40–43. Slab on Grade, pages 44–51. Brick Ledge, pages 40–43. Stemwall: Anchorage into the Stemwall, pages 52–56. Stemwall: Anchorage into the Footing, pages 40–43. CMU Anchoring into footing, pages 57–58	EXAMPLE: See pages 57–58 Garage application for masonry foundation 24" tall, grouted, concrete foundation.
STEP FOUR	SELECT THE STRONG FRAME™ ORDINARY MOMENT FRAME MODEL. Use the tables to determine Strong Frame ordinary moment frame model based on height and opening width, and required bracing amount.	EXAMPLE: See page 57 16-foot opening width, 80" opening height, 8' nominal plate height use OMF99-16x8 minimum footing width 22", footing depth = 14". 8-foot substitution: 2-#4 bottom rebar, 15" x 14" grade beam, 2-#4 rebar top and bottom
STEP FIVE	DETERMINE YOUR ANCHORAGE SOLUTION. POST-INSTALLED ADHESIVE SOLUTION. See page 39 for information on Simpson Strong-Tie® SET-XP™, SET and Acrylic-Tie® adhesives.	EXAMPLE: See page 57 4 - 5/8" φ rods with 6" embedment in concrete Length required = 6" embedment + 24" curb + 4 1/2" extension = 34 1/2" See page 58 for placement information.

WIND AND SEISMIC MAP

- Wind and low seismic. Contact your local Building Official for applicability in your area.
- Moderate to high wind or seismic. Contact your local Building Official for applicability in your area.
- Denotes special wind regions which, along with mountainous terrain, gorges, and ocean promontories, should be examined for unusual wind conditions. Contact your local Building Official for applicability in your area.



Map is for reference only. Contact your local Building Official for applicability in your area.