

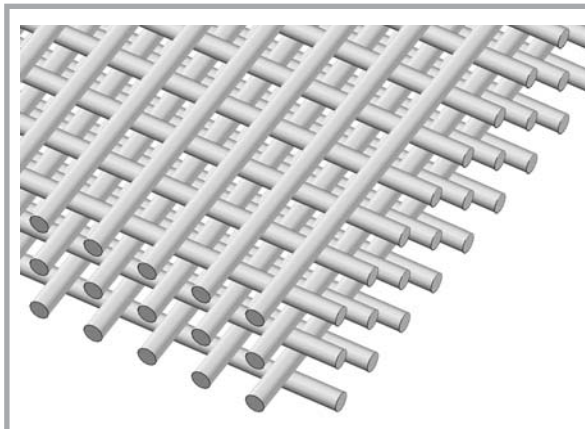


STRUCTURAL APPLICATIONS USING MMFX 2 HIGH-STRENGTH REINFORCING BARS

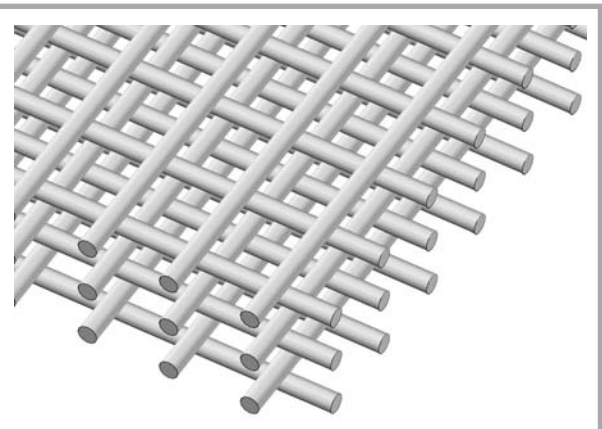
MAT FOUNDATION DESIGN

Using MMFX 2 Bars in Foundation Systems, Designed at Higher Yield Strength of 100ksi [690 MPa]

- Reduces rebar congestion issue
- Reduces material quantity and placement time
- Facilitates concrete placement
- Reduces conflict with vertical pile reinforcing and column/wall dowels
- Allows design flexibility, possibly reducing foundation thickness



Conventional design using 60ksi [420 MPa] yield strength

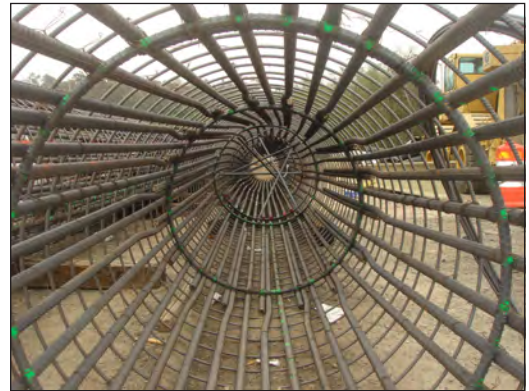


MMFX design using 100ksi [690 MPa] yield strength



Mat foundation reinforced with MMFX 2 bars for a 50-story high-rise in Miami, FL.

DRILLED CAISSON DESIGN



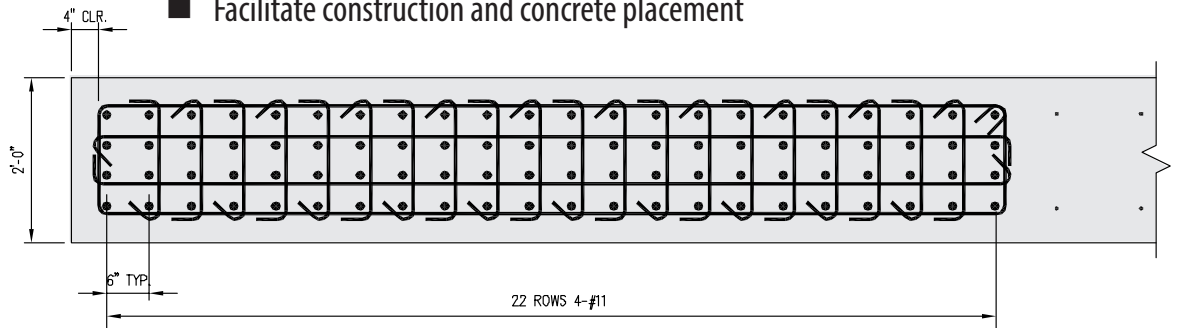
Project Example in Malibu, CA

5'-0" (1500mm) diameter pile x 80'-0" (24m) long reinforced with MMFX 2 #11 (36mm) vertical reinforcing for compression and flexural forces

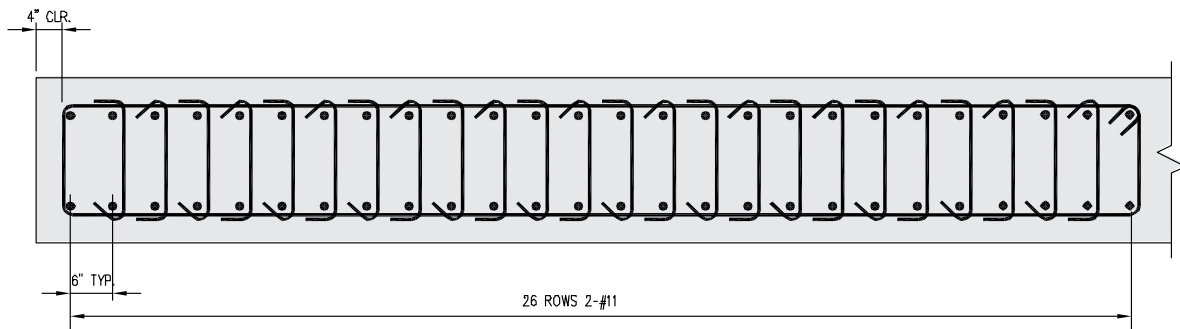
SHEARWALL DESIGN

Design Wall Jamb (vertical) using MMFX 2 100ksi [690 MPa] yield strength

- Reduces quantity of vertical reinforcing
- Reduces cross ties requirement
- Facilitate construction and concrete placement



88-#11 (A615-60)



52-#11 MMFX (100KSI)