



RHINO
CARBON FIBER
REINFORCEMENT PRODUCTS



RHINO CARBON FIBER™ BOWED WALL REPAIR

When foundation walls start bowing or moving inward, it is a sign of structural failure which should be addressed immediately. The primary causes for bowing walls are: outside hydrostatic pressure on the walls from soil, tree roots and construction failures/poor quality construction (ex. improper steel reinforcement resulting in excessive load due to ineffective tensile strength transfer to the wall).

Why CFRP?

- High-Strength** – carbon fiber is 10x stronger than steel
- Easy-to-Install** – light-weight product and quick, straight-forward procedure
- Long-Lasting** – carbon fiber resists corrosion and does not degrade
- Versatile** – strengthen walls, wall openings, cracks and more
- Less Intrusive** – thin yet strong profile doesn't affect square footage

Why Rhino Carbon Fiber™?

- Sales Support for Training and Technical Assistance** – product and installation information and training
- Engineering Support for Complex Projects** – assistance with technical project requirements
- Marketing Support to Help Grow Your Business** – grow your business with sell sheets, case studies and more

We're Here to Help!



**400 GSM
Unidirectional
Bowed Wall
Repair Kit**



**560 GSM
Bidirectional
Bowed Wall
Repair Kit**

Kits Available for 7, 8, 9 and 10 Foot Walls!

Contact us today to review our extensive line of structural strengthening products!



1-888-684-3889



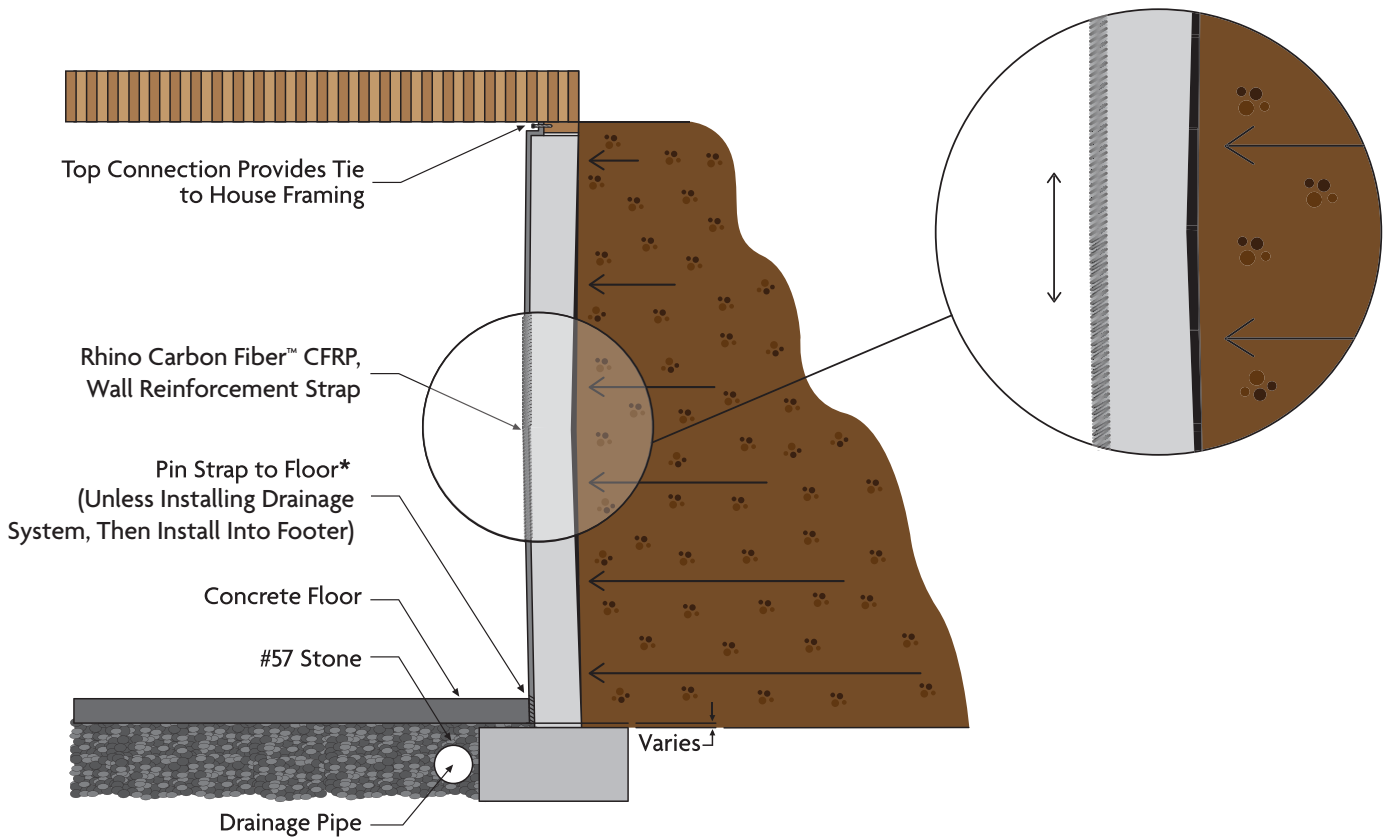
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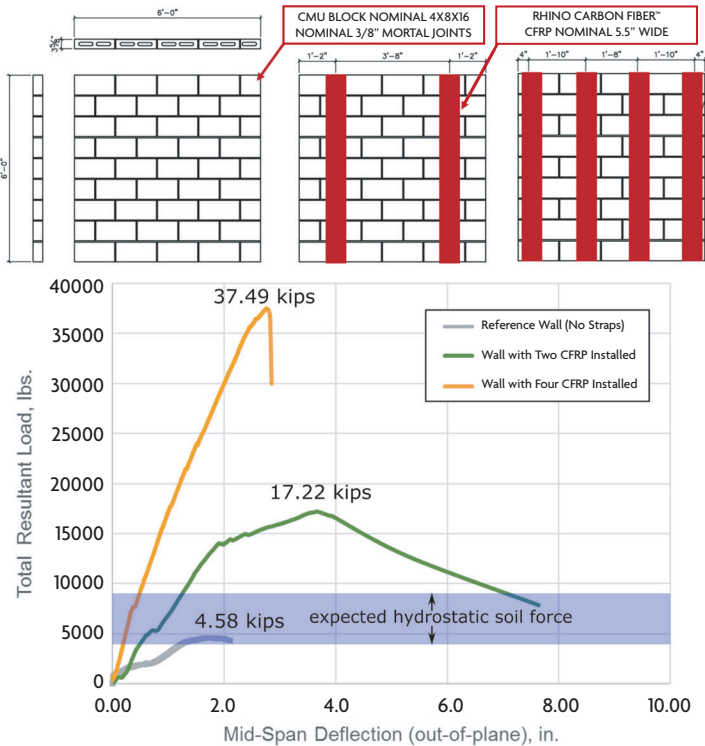
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***Note:** Floor must be sound, full thickness, standard strength concrete. Otherwise, pin to footer.

A simulated hydrostatic load test indicated that a CMU wall strengthened by **Rhino Carbon Fiber™ CFRP** almost tripled in flexural strength compared to the original wall.



Composite Properties - 400 GSM Unidirectional

COMPOSITE PROPERTIES		
Property	English	Metric
Tensile Strength	149.9 Ksi	1033.5 MPa
Tensile Modulus	10.62 Msi	73.2 GPa
Tensile Elongation, %	1.42	1.42
Nominal Thickness	0.027 in	0.68 mm

Composite Properties - 560 GSM Bidirectional

COMPOSITE PROPERTIES		
Property	English	Metric
Tensile Strength	118.9 Ksi	819.7 MPa
Tensile Modulus	6.33 Msi	43.6 GPa
Tensile Elongation, %	1.89	1.89
Nominal Thickness	0.019 in	0.48 mm

Average values of a test series conducted by an accredited 3rd party laboratory.

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