



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



www.rhinocarbonfiber.com

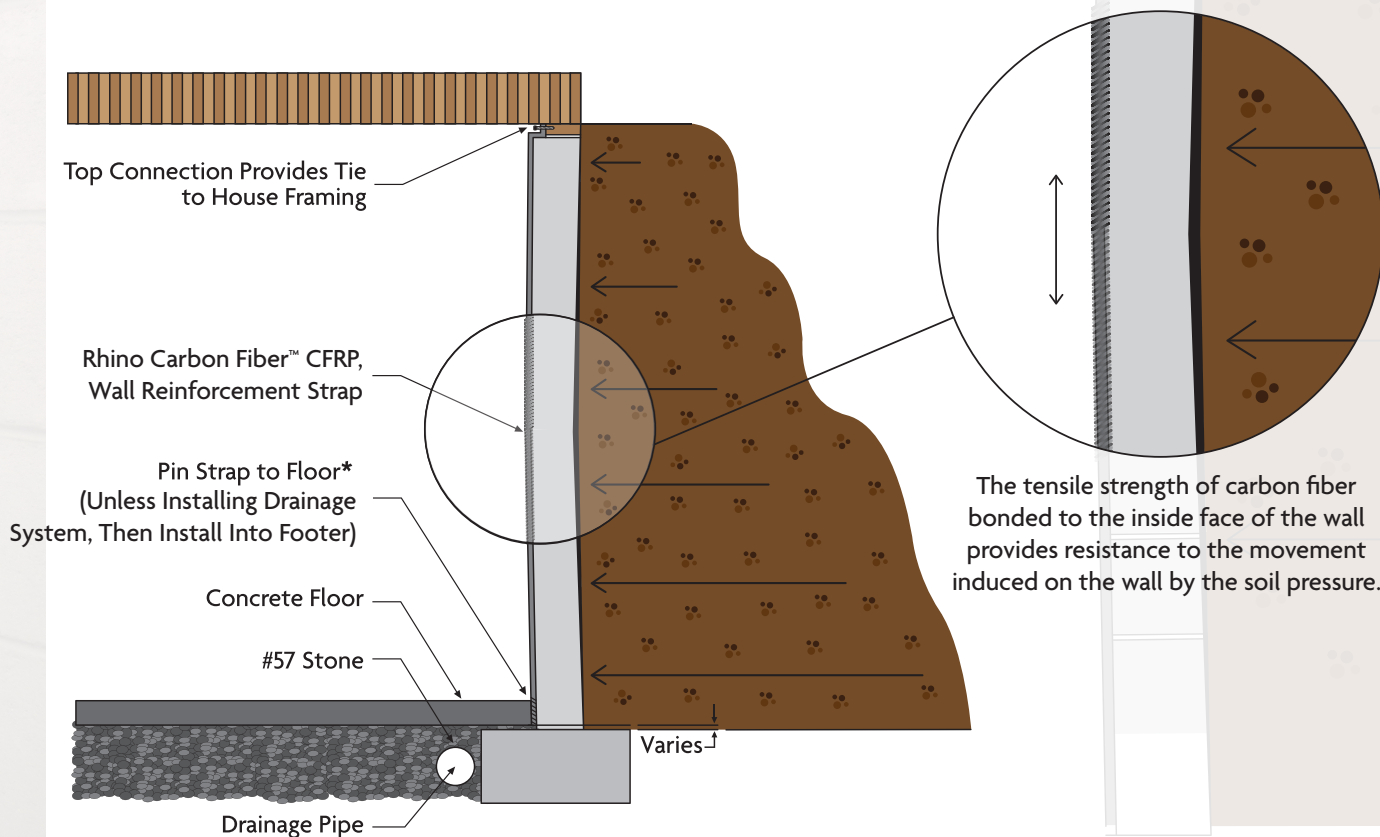


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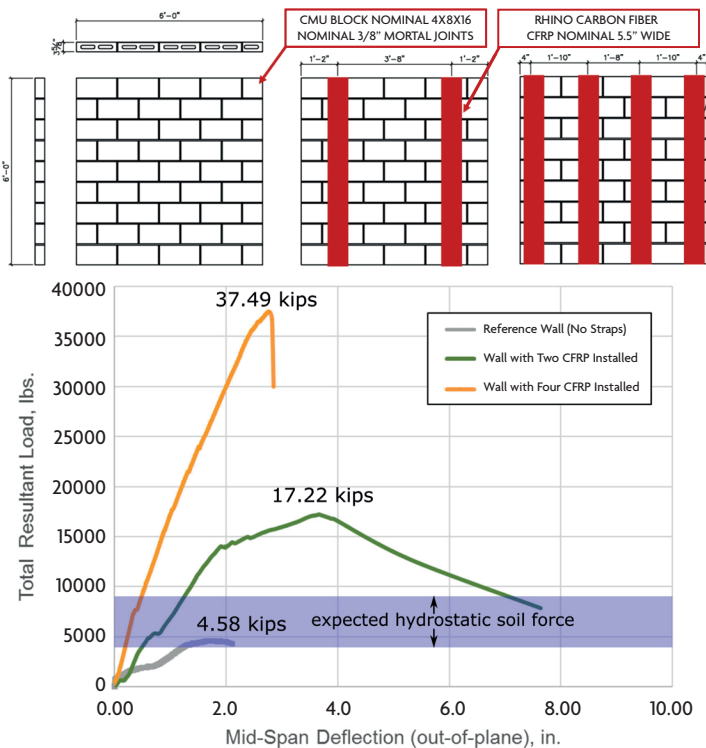
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***Note:** Floor must be sound, full thickness, standard strength concrete. Otherwise, pin to footer.

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.



400 GSM Unidirectional

COMPOSITE PROPERTIES		
Property	Imperial	Metric
Tensile Strength	150 ksi	1033.5 MPa
Tensile Modulus	10620 ksi	73.2 GPa
Tensile Elongation, %	1.40	1.40
Density	.065 lbs/in ³	1.79 g/cm ³
Nominal Thickness	0.027 in	0.68 mm

560 GSM Bidirectional

COMPOSITE PROPERTIES		
Property	Imperial	Metric
Tensile Strength	111 ksi	768 MPa
Tensile Modulus	6890 ksi	47.5 GPa
Tensile Elongation, %	1.60	1.60
Density	0.065 lbs/in ³	1.79 g/cm ³
Nominal Thickness	0.0275 in	0.70 mm

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

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