

Materials Testing & Consulting, Inc.

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October 22, 2018

Springbolt Concrete Anchor, LLC.
4444 Sharpe Rd
Anacortes, WA 98221

Re: Project #17B152

The following results are for pull-testing that was performed on the 5/8" F-8 Springbolt anchor system. Client had fabricated 2 concrete panels with the noted Springbolt anchor system installed using a 5000 psi bag mix. Client also delivered 2 - 4" x 8" concrete cylinders, to verify the compressive strength of the test panels.

Equipment Used for Test: Enerpac P-392 Pump with a Enerpac RCH-302 hollow-core ram
Verification Date of Equipment: May 14, 2018

The results of the load testing, and the type of failure are listed below.

Compressive Strength Results – 3000 psi Mix

Test Age	Total Load (lbs)	Sample Diameter (in)	Sample Area (sq in)	Compressive Strength (psi)
22 days	50,747	4.0	12.56	4,040
22 days	53,042	4.0	12.56	4,220
Average:				4,130

Test Panel Load Testing

Assembly	Load Applied	Result
5000 psi: Panel #1 - 8" Springbolt Anchor, 5/8" dia. F-8	24,510 lbs	Concrete Failed
5000 psi: Panel #2 - 8" Springbolt Anchor, 5/8" dia. F-8	29,580 lbs	Coupler Failed
5000 psi: Panel #3 - 8" Springbolt Anchor, 5/8" dia. F-8	28,410 lbs	Concrete Failed
5000 psi: Panel #4 - 8" Springbolt Anchor, 5/8" dia. F-8	22,940 lbs	Concrete Failed
5000 psi: Panel #5 - 8" Springbolt Anchor, 5/8" dia. F-8	31,140 lbs	Concrete Failed

If you have any questions, feel free to call me at the office at (360) 755-1990.

Respectfully Submitted,

MATERIALS TESTING & CONSULTING, INC.

Curtis M. Shear,
QA Manager

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Load Assembly



Panel #1



Panel #2



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Panel #3



Panel #4



Panel #5

