Farabaugh Engineering and Testing Inc.

Project No. T317-15

Report Date: December 14, 2015

Total No. of Pages: 5

PERFORMANCE TEST REPORT

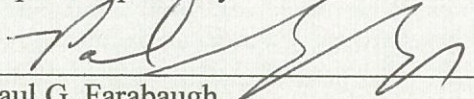**ASTM E72-02**
CONCENTRATED OUTWARD LOAD TEST
(MODIFIED)
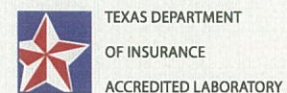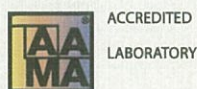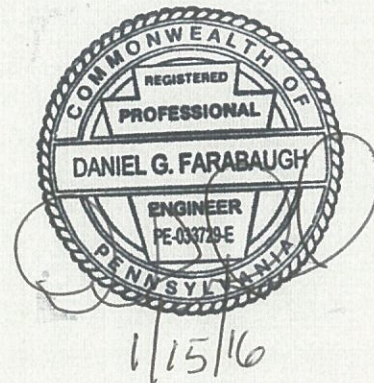
ON

QUICK SLING WALL BRACKET

FOR

QUICK SLING, LLC
391 W. WATER STREET
TAUTON, MA. 02780

Report Prepared By:

Paul G. Farabaugh

Reviewed and Approved By:

Daniel G. Farabaugh PE.

[Professional Engineer seal: COMMONWEALTH OF PENNSYLVANIA, REGISTERED PROFESSIONAL ENGINEER, DANIEL G. FARABAUGH, PE-03379-E]

1/15/16

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Introduction

Concentrated load test was conducted at the specified date at Farabaugh Engineering and Testing facility in McKeesport, PA.   A description and summary of that test are contained here-in.

Purpose

The purpose of the testing was to determine the structural performance of the Wall Bracket System under concentrated outward loads.

Manufacturer

Quick Sling, LLC
391 W. Water Street
Tauton, MA. 02780

Specimen: Wall Bracket (Model - QSWB2000)

Test Date: 12/11/2015

Test Assembly

The test assembly was as shown on the attached sketches. Bracket was mounted to 1/4" thick steel angles using 3/8" diameter bolts. Information on the test conducted in this report may be found on the attached data sheets.

Test Procedure

The test procedure was per ASTM E72-02 "Standard Test Methods of Conducting Strength Tests of Panels for Building Construction", Concentrated Load (modified as provided here-in). A pneumatic ram provided loading to the test assembly. A calibrated load cell was used to monitor the loading increments. Deflectometers were used to measure the deflection of the specimens as shown on the attached drawings. Test loads were applied incrementally while deflection data was recorded as shown on the attached data sheets.

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TEST DATA

Test Date: 12-11-15
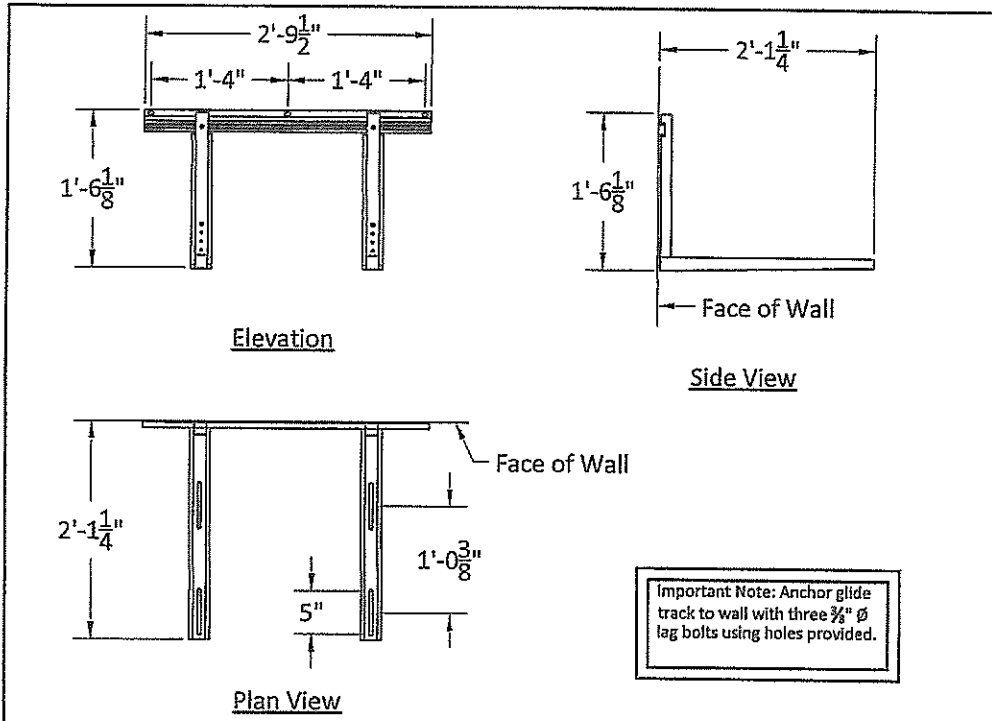
Manufacturer: Quick Sling LLC

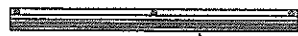Test Specimen: Wall Bracket (Model: QSWB2000)

TEST RESULTS

<u>100 LB DEAD LOAD WITH INCREMENTAL OUTWARD LOAD</u>

QUICK SLING WALL BRACKET MODEL NO. QSWB2000

P - LOAD (LB)	DIAL 1	DIAL 2
0	0.000	0.000
100	0.007	0.015
200	0.019	0.039
400	0.051	0.092
600	0.073	0.141
800	0.090	0.182
1000	0.108	0.220
1500	0.142	0.306
0	0.045	0.065
1800	0.158	0.347
2000	0.169	0.376
2500	0.195	0.447
3000	0.223	0.519
0	0.053	0.083
3500	0.252	0.597
4000	0.298	0.700
4500	0.366	0.864
0	0.111	0.206

Elevation

Side View

Plan View

Face of Wall

Important Note: Anchor glide track to wall with three ⅜" Ø lag bolts using holes provided.

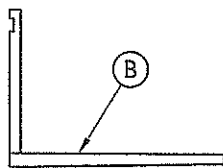## PARTS LIST

(A)   (1) - 14 gauge Glide Track

(B)   (2) - 14 gauge L-Bar

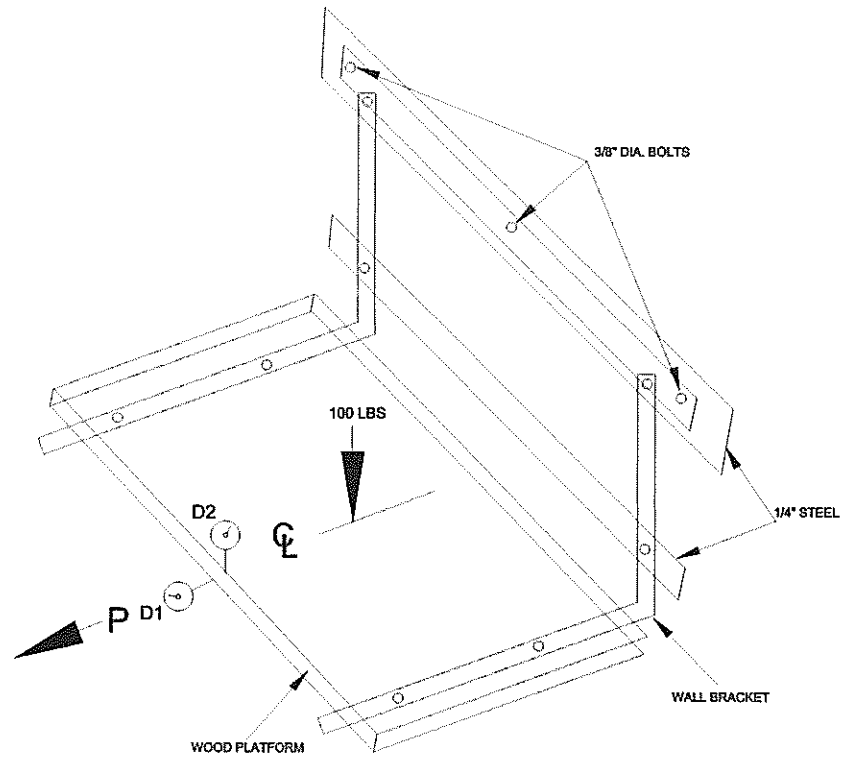Note - All assembly hardware is included

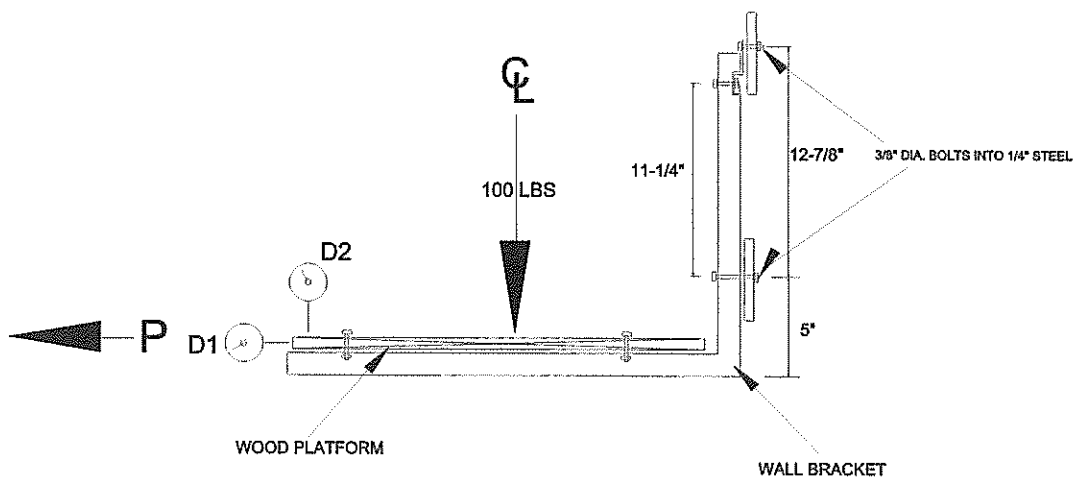| QUICK-SLING | WALL BRACKET
MODEL NO. QSWB2000 | www.quick-sling.com
email: info@quick-sling.com
fax: 1-(800)-699-0423 | Quick Sling, LLC
391 W. Water Street
Taunton, MA 02780
1-(800)-699-0543 |

3/8" DIA. BOLTS

100 LBS

1/4" STEEL

D2

C_L

P D1

WALL BRACKET

WOOD PLATFORM

PLAN VIEW

C_L

100 LBS

11-1/4"

12-7/8"

3/8" DIA. BOLTS INTO 1/4" STEEL

D2

P D1

5"

WOOD PLATFORM

WALL BRACKET

ELEV. VIEW