



42" BRIDGE OVERHANG BRACKET

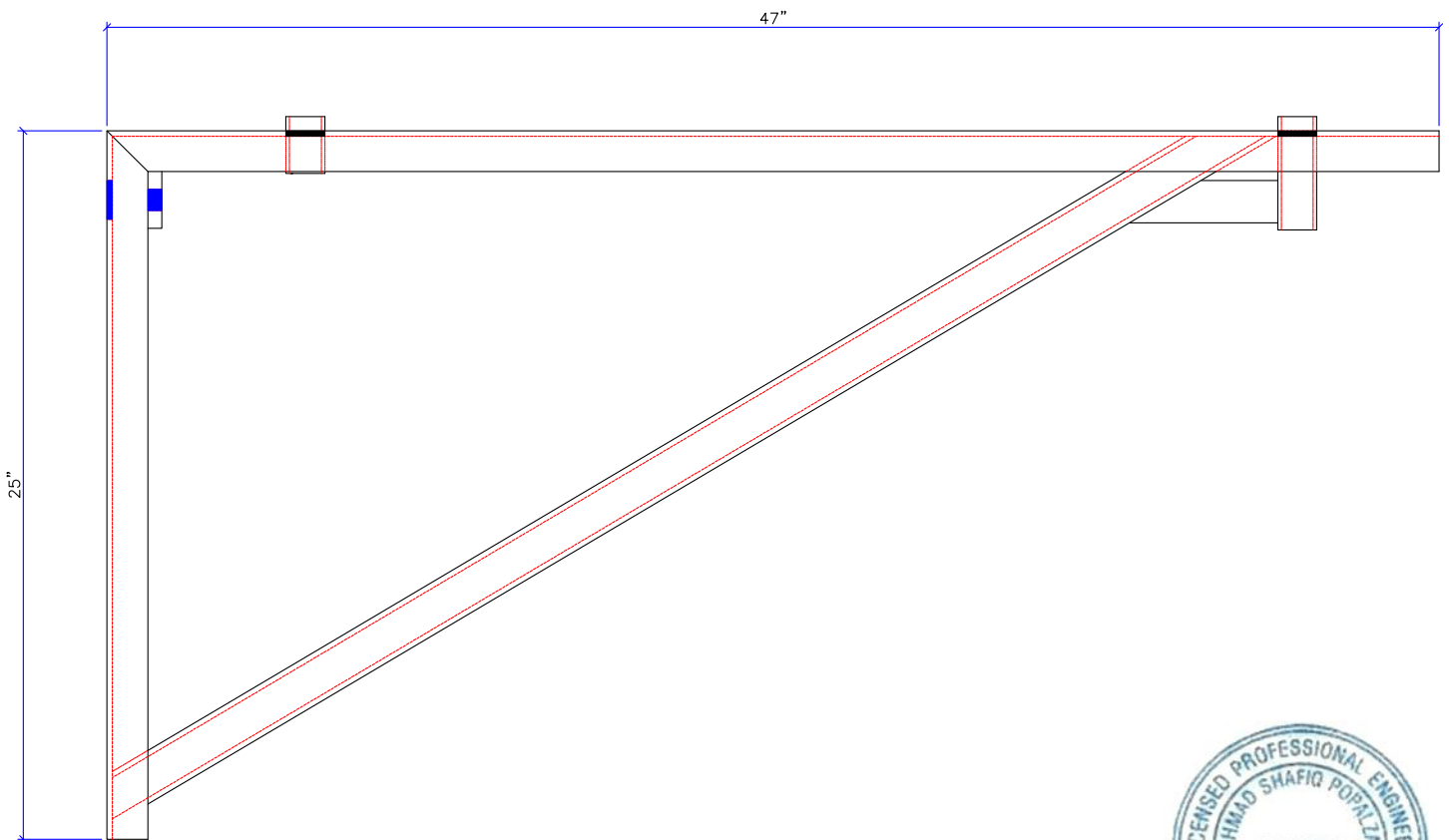
LOAD TESTING DATA

PROCEDURE:

The brackets were attached to a concrete wall at the jobsite. A calibrated hydraulic jack was placed below the bracket and the test load was applied. A dial indicator was placed 2 inches from the end of the bracket to measure the upward movement of the bracket. A hydraulic jack was placed in the center location of the bracket, and ten cycles of loading were completed.

TESTING RESULT:

No movement of the bracket exceeding the allowable limit of 1/2 inch was observed during the testing.





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LOAD TEST SUMMARY --- BRACKET

CYCLE NO. 1			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.015	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.042	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.148	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.224	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.258	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.291	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.314	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.352	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.024	---

CYCLE NO. 2			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.022	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.089	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.161	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.218	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.247	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.280	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.300	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.361	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.020	---

*ALLOWABLE MOVEMENT LIMIT = 1/2 INCH





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CYCLE NO. 3			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.026	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.093	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.168	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.222	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.252	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.285	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.301	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.357	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.018	---

CYCLE NO. 4			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.016	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.082	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.140	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.189	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.221	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.269	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.292	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.340	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.056	---

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CYCLE NO. 5			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.020	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.084	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.157	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.209	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.239	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.271	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.294	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.335	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.010	---

CYCLE NO. 6			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.019	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.085	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.151	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.204	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.239	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.267	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.284	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.329	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.023	---

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CYCLE NO. 7			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.035	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.097	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.168	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.230	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.253	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.282	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.304	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.347	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.030	---

CYCLE NO. 8			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.027	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.090	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.164	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.220	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.251	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.279	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.300	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.343	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.068	---

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CYCLE NO. 9			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.037	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.093	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.168	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.223	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.256	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.283	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.307	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.349	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.076	---

CYCLE NO. 10			
LOAD APPLIED (lbs.)	GAUGE (psi)	MOVEMENT (in.)	OBSERVATION
500	200	0.030	MOVEMENT WITHIN ALLOWABLE LIMIT. *
2,000	800	0.092	MOVEMENT WITHIN ALLOWABLE LIMIT. *
4,000	1,600	0.162	MOVEMENT WITHIN ALLOWABLE LIMIT. *
6,000	2,300	0.219	MOVEMENT WITHIN ALLOWABLE LIMIT. *
7,000	2,700	0.249	MOVEMENT WITHIN ALLOWABLE LIMIT. *
8,000	3,100	0.279	MOVEMENT WITHIN ALLOWABLE LIMIT. *
9,000	3,400	0.300	MOVEMENT WITHIN ALLOWABLE LIMIT. *
10,000	4,000	0.342	MOVEMENT WITHIN ALLOWABLE LIMIT. *
AFTER RELEASE	---	0.046	---

*ALLOWABLE MOVEMENT LIMIT = 1/2 INCH

