



8-KIP BRIDGE OVERHANG BRACKET

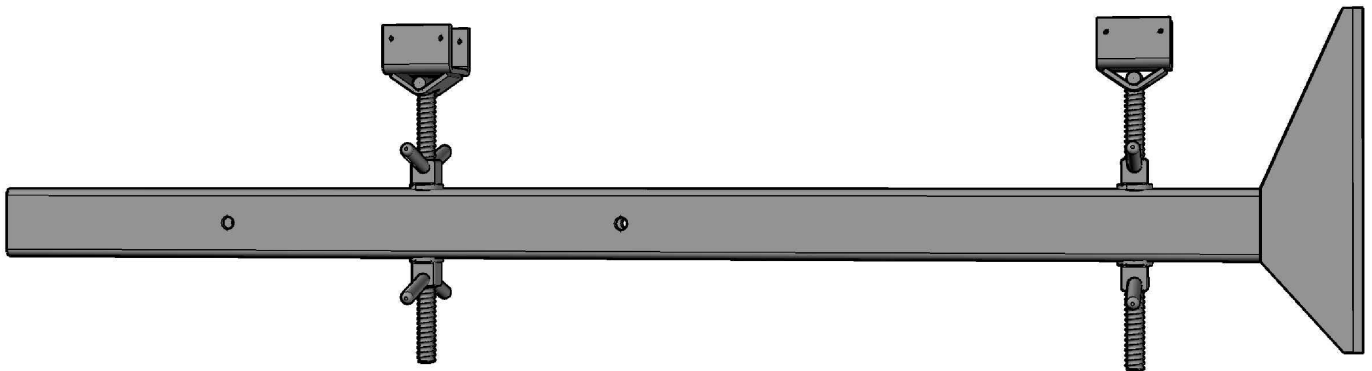
LOAD TESTING DATA

PROCEDURE:

The bracket was attached to a rigid rectangular tube steel test frame with a 4x4 wood member mounted diagonally from the frame to the bracket. A calibrated hydraulic ram was placed across from the test bracket at 180 degrees. The distance between the hydraulic ram and the test bracket mounted was 48-inches. A dial indicator was placed newer the end of the bracket to measure the upward movement of the bracket

TESTING RESULT:

Summary of the test results are included in this report.





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LOAD TEST SUMMARY – BRACKET

BRACKET NO. 1		
LOAD APPLIED (lbs.)	GAUGE (psi)	GAUGE (psi)
2,046	300	0.141
7,080	1300	0.304
8,388	1600	0.389
10,100	2000	0.496
14,052	2900	0.724
16,358	3400	0.860
19,120	4000	1.001
20,362	4300	1.070
24,345	5200	1.310
25,125	5400	1.364





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LOAD TEST SUMMARY – BRACKET

BRACKET NO. 2		
LOAD APPLIED (lbs.)	GAUGE (psi)	GAUGE (psi)
2,046	300	0.084
7,080	1300	0.426
8,388	1600	0.519
10,100	2000	0.637
14,052	2900	0.905
16,358	3400	1.050
19,120	4000	1.221
20,362	4300	1.313
24,345	5200	1.641
25,125	5400	1.738





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LOAD TEST SUMMARY – BRACKET

BRACKET NO. 3		
LOAD APPLIED (lbs.)	GAUGE (psi)	GAUGE (psi)
2,046	300	0.119
7,080	1300	0.410
8,388	1600	0.493
10,100	2000	0.610
14,052	2900	0.868
16,358	3400	0.901
19,120	4000	1.077
20,362	4300	1.160
24,345	5200	1.424
25,125	5400	1.479

