

PITTSBURGH TESTING LABORATORY

ESTABLISHED 1881

PITTSBURGH, PA.

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January 6, 1969

LABORATORY No. 694399-D

CLIENT'S No. 1232

ORDER No. PG-4729

REPORT

Report of: Lateral Deflection Tests
of Aluminum Railings

REPORT TO: Age-Craft Manufacturing, Inc.
45 Madison Avenue
Greensburg, PA 15601

We received two (2) aluminum railings, 6' long x 44" high, for lateral deflection tests. The samples were identified as Newel Posts (with flanges over 1" black pipe). We were requested to manufacture a mounting for the railing which would simulate the same conditions as in actual use. In addition we were requested to apply a load of 50 pounds per lineal foot over the top rail and to record the deflection at each increment of load. For test purposes the railing was mounted horizontally and the load applied to the side of the top rail. The deflection was measured at the midpoint of each rail. The following test data was recorded.

NEWEL POSTS (WITH FLANGES OVER 1" BLACK PIPE)

<u>Load per Lineal Ft.</u>	<u>Deflection</u>	<u>Remarks</u>
	<u>SAMPLE #1</u>	
50 pounds	12.5"	No apparent defects
	<u>SAMPLE #2</u>	
50 pounds	18.6"	No apparent defects

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Earl Gallagher
Earl Gallagher, Manager
Physical Testing Department

cc: 3-Client

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