



MARYLAND DEPARTMENT OF TRANSPORTATION
Robert L. Ehrlich, Jr., Governor • Michael S. Steele, Lt. Governor • Trent M. Kittleman, Acting Secretary

WEDGE BOLT TEST REPORT

Contract Number: Sp107B4TR

Date: 10/18/01

Lab Number: 410303

Dimension	Sat	3/4" x 6"
Pullout avg.	< 16000lbs	16000lbs min

Karl Weidman of Power Fasteners performed a demonstration to prove the wedge bolt's pullout potential. John P. Weisner, George Hastings, Rodney Wynn and Bennie Thomas were present to witness testing. Mr. Weidman installed a bolt into a 10" x 10" concrete block by drilling a 3/4" diameter by 8" deep hole and wrenching the wedge bolt into the block until it was snug with a square washer. An Enerpac hydraulic ram was attached to washer and 21,500 lbs. of force was applied. The wedge bolt met the required Maryland State specification for temporary anchors. John Weisner and Bennie Thomas of the Structural Materials Team checked the ram on the hydraulic ram for accuracy. The ram was placed on a Locap universal-testing machine against a load cell accurate to 1%. Values were recorded and we found that loads were acceptable.

My telephone number/toll-free number is _____

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