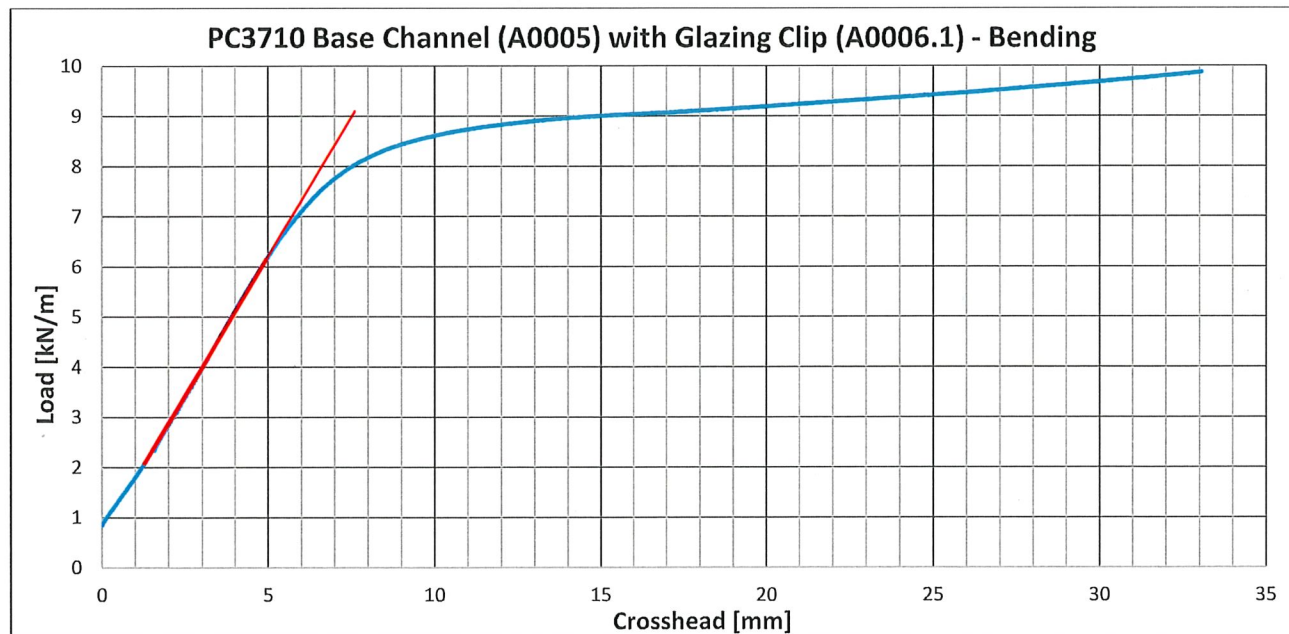
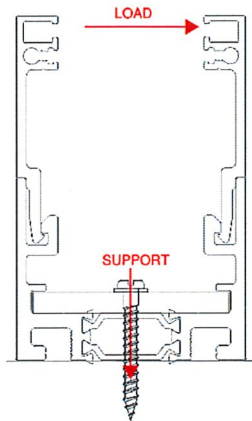


TEST REPORT

Tested by: Jonathan Tow, P.Eng.
Testing Location: Powertech Labs Inc.
Part: PC3710 Base Channel (A0005) with Glazing Clip (A0006.1) (Aluminum 6063-T6)
Test: Bending

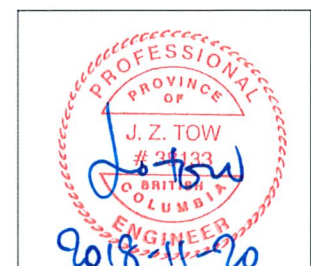
Test Setup:

The PC3710 with glazing clip was tested under bending by pushing on the end of the glazing clip while securing the base channel to the test apparatus with hex bolts. A 225mm long channel and clip was used for the test with bolts spaced at 85mm o.c. The load plate was aligned where the glazing gasket is inserted into the assembly. A lineal load per meter was calculated from the results. A small preload was applied to take up tolerances between components. Two tests were conducted for the assembly under bending.



Conclusions / Observations:

The PC3710 with glazing clip assembly yields under bending at a lineal load of 6.0 kN/m with approximately 6mm of deflection when accounting for preload. The test was stopped at 10 kN/m after excessive deflection was observed. Yielding occurred at the base of the thinner segment of the vertical leg in the base channel. The glazing clip appeared to be relatively undeformed.



NOTE: The values listed above are taken directly from test observations under laboratory conditions. Appropriate safety factors should be applied to these values for design purposes.

Test Date: October 2, 2015