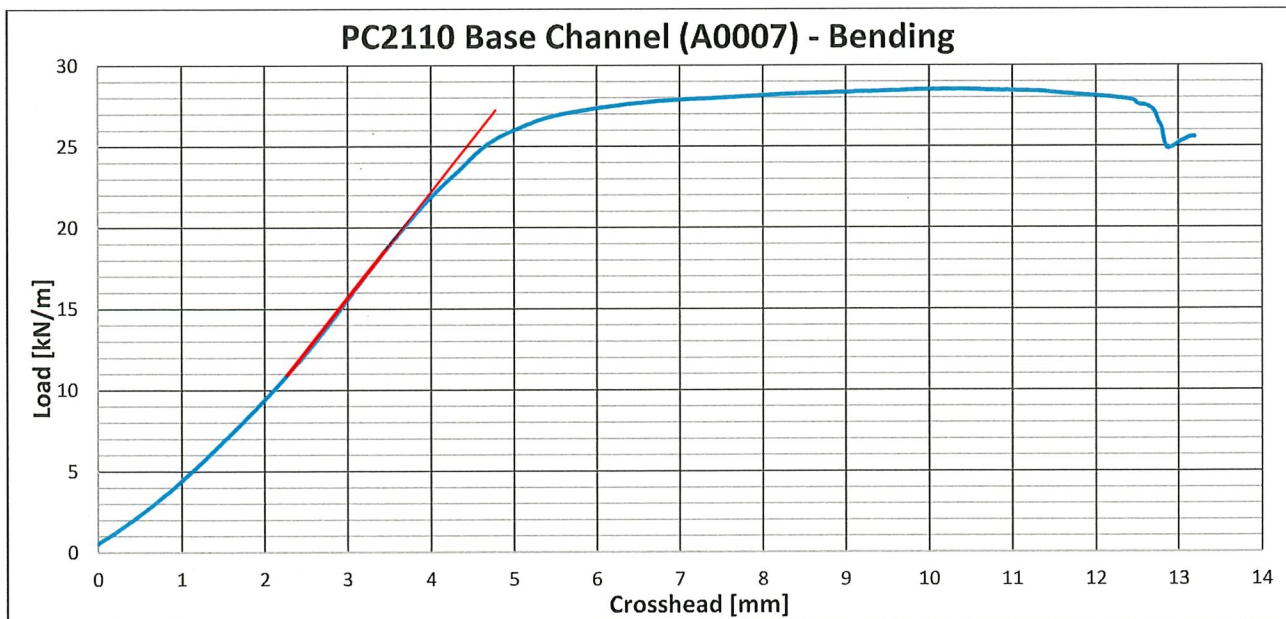
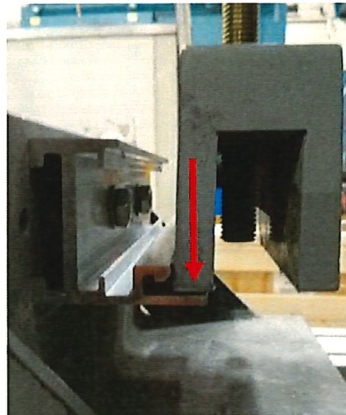
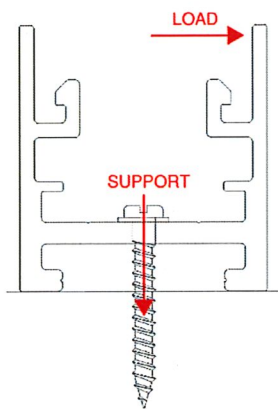


# TEST REPORT

**Tested by:** Jonathan Tow, P.Eng.  
**Testing Location:** Powertech Labs Inc.  
**Part:** PC2110 Base Channel (A0007) (Aluminum 6063-T6)  
**Test:** Bending

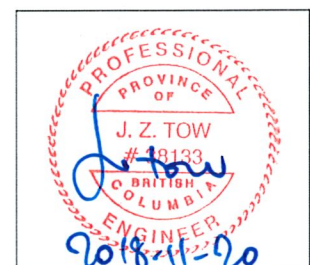
## Test Setup:

The PC2110 (without glazing clip) was tested under bending by pushing on the end of the vertical leg 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. A gap was provided between the load plate and the hook in the channel to avoid contact under deflection. A lineal load per meter was calculated from the results. Two tests were conducted for the assembly under bending.



## Conclusions / Observations:

The PC2110 base channel assembly yields under bending at a lineal load of 19 kN/m with approximately 3.5mm of deflection.  
 The test was stopped at 29 kN/m after excessive deflection was observed.  
 Yielding occurred at the base of the thinner segment of the vertical leg.



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: January 19, 2016