

<b>OBSERVATION REPORT</b>
Structural Steel

<b>Date:</b>	05/19/16
<b>Time:</b>	9:00 AM
<b>Temp:</b>	65° F
<b>Weather:</b>	Partly Cloudy

<b>Project:</b>	Park Danforth
<b>Location:</b>	Portland, Maine
<b>Becker Job No:</b>	3422

**Observation Location:**  
General structural steel observation at the roof level.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Bolt Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ref report by weld / bolt inspector.
Weld Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ref report by weld / bolt inspector.
Anchor Bolts, Nuts, & Washers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ref report by weld / bolt inspector.
Grout/Leveling Plates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fit Up/Plumbness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metal Deck Welds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ref report by weld / bolt inspector.
Pour Stops	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bent plates.
Bracing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Notes:**

The beam on the 5<sup>th</sup> floor with a bend in its weak axis, as noted in BSE steel field report 04-13-16, was corrected prior to 5<sup>th</sup> floor west slab placement and BSE has no further concerns.

While on site I noticed at the 5<sup>th</sup> floor roof top garden small areas where welded wire fabric was exposed in the finished slab (see attached pictures). The welded wire fabric is used for crack control and not structural reinforcement therefore this is not a structural issue but a serviceability issue. In order to mitigate any corrosion issues before the paver system is applied the exposed welded wire fabric should be cut flush with the concrete slab and coated with cold applied asphalt emulsion.

In the garage near stair B there is a slab crack along grid 9 that does not follow the contraction joint (see attached picture). This is not a structural issue but an aesthetics issue the crack should be filled with sealant.

**Signed:** Alexander Wheelock, E.I.

