BECKER STRUCTURAL ENGINEERS

Project:	Park Danforth
Location:	Portland, ME
Becker Job No:	3422

OBSERVATION REPORT
Cast in Place Concrete

Date:	07-12-16
Time:	3:00 PM
Temp:	85º F
Weather:	Partly Cloudy

Observation Location:
Connector:
Foundation walls around the auditorium, on R.A line from R.1-R.4, on R.D line from C.7-R.10, on R.9/C.85 line from R.C-R.D.
Isolated piers C.3/L.4, C4.5/L, C.5/L, and C.6/L.2.
Isolated footings R.6/R.C, C.10/R.C, R.7/R.C, R.8/R.B, and R.8/R.C.
Continuous wall footings on R.A from R.5-C, entry frost wall, and R.9/C.85 line from R.A-R.B were being constructed at the time of the visit.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Reinforcement Size	☒	☐	☐	☐	
Quantity	☒	☐	☐	☐	
Condition	☒	☐	☐	☐	
Placement	☒	☐	☐	☐	
Embed/Anchors	☒	☐	☐	☐	Reinforcement drilled and epoxied to exist.
Lap Splices	☒	☐	☐	☐	
Hot Weather	☐	☐	☐	☒	
Cold Weather	☐	☐	☐	☒	
Bond Beams	☐	☐	☐	☒	
Additional Items	☐	☐	☐	☐	See Comments
Additional Items	☐	☐	☐	☐	

Notes:

From report 06-30-16 at C.1 line between K and L there was a pipe passing through the new footing. Giles stepped the footing down in order to pass the pipe through the wall as was previously discussed in report 06-30-16.

I provided a hand sketch detail to Giles and PC the morning of 7/13/16 on how to tie pier C4.5/L to the existing foundation wall.

While on site I discussed the pipe columns at the corner balconies with Andrew and Kemp from PC. Going through some of Paul Becker's inspection photos from the column fall incident we noticed that some of the collars did not have welds on the bottom of the collars. In structural steel submittal batch 1 I noted for the collars to be shop welded per our detail 6/S3.3 (shop welded top and bottom of collar), see note on column C10005 from batch 1. During my site visit it appeared the collars had been field welded on the bottom. PC shall verify that all collars have been welded top and bottom per detail 6/S3.3. For collars that have been field welded instead of shop welded the welds shall be inspected.

We also discussed the plastic shims between the pipe column collars and the precast balconies. PC shall verify if the plastic shims were installed.

Additionally we discussed that some of the balcony pipe columns came galvanized versus painted. The final condition is intumescent paint. PC shall verify that intumescent paint is compatible with galvanized steel.

Signed: Alexander R. Wheelock, E.I.