BECKER STRUCTURAL ENGINEERS

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

OBSERVATION REPORT

Cast in Place Concrete

Date:	12-01-15 & 12-02-15
Time:	12-01: 8:00 AM - 9:00 AM 12-02: 8:00 AM - 9:30 AM
Temp:	12-01: 24º F 12-02: 40º F - 45º F
Weather:	12-01: Sunny/Clear 12-02: Overcast/Rain

Observation Location: Wall reinforcement E8-E10.5.

	Satisfactory	Un-Satisfactory	Not Completed	Not Applicable	Comments
Reinforcement Size	☒	☐	☐	☐	
Quantity	☒	☐	☐	☐	
Condition	☒	☐	☐	☐	
Placement	☒	☐	☐	☐	
Embed/Anchors	☐	☐	☒	☐	See below
Lap Splices	☒	☐	☐	☐	
Hot Weather	☐	☐	☐	☒	
Cold Weather	☒	☐	☐	☐	
Bond Beams	☐	☐	☐	☒	
Additional Items	☐	☐	☐	☐	
Additional Items	☐	☐	☐	☐	

Notes:

I was on site per contractor request to discuss miscellaneous questions and observe concrete wall reinforcement for general conformance with the contract documents.

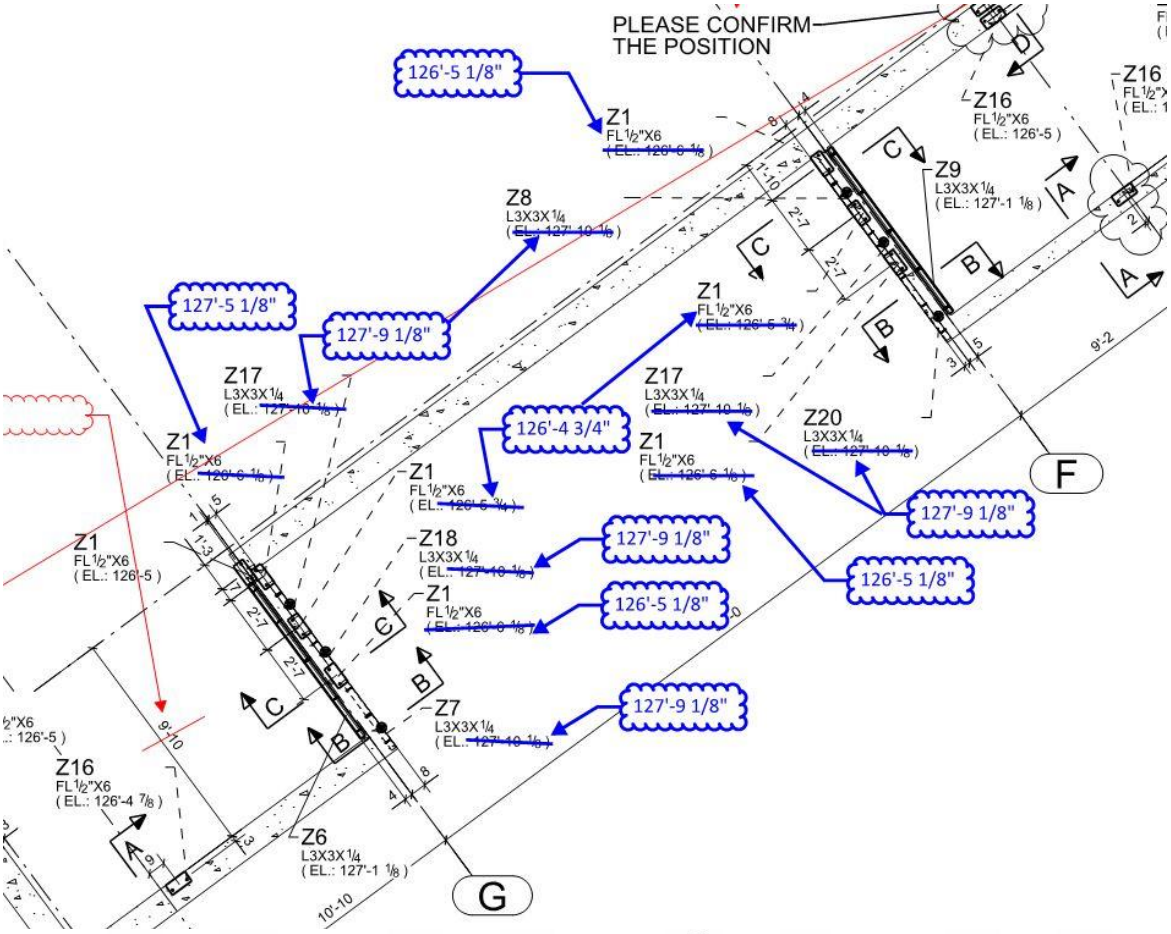
While on site exterior wall forms and beam pockets were in place but shelves had not yet been installed.

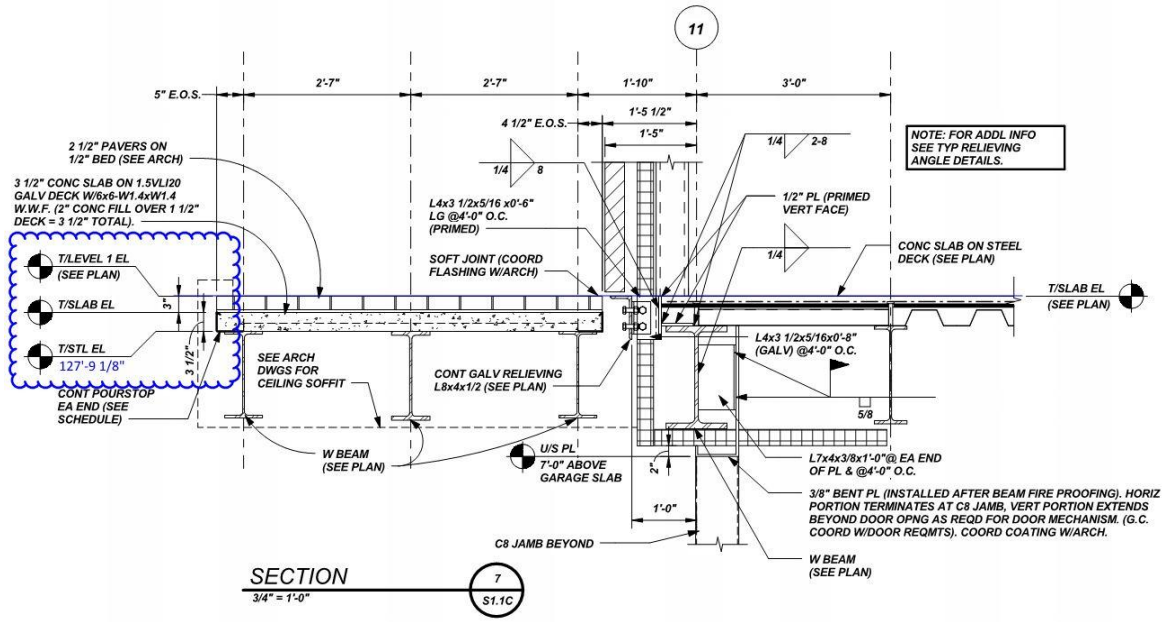
The pier at E10.5 did not have a shear key or anchors installed. Chris from Giles and Kemp from PC were notified a shear key and 1 1/4" Ø anchors w/ 64" embed were required at this location. The pier form was removed and the shear key was being installed when I left the site.

At the embed plate adjacent to the door jamb by pier E9 there was not enough room for the 12"x6" plate to fit between the door jamb and the pier bond out (pier bond out is approx. 4" from jamb and 3" into wall).

Chris from Giles was provided with two options to fix this condition to ensure the HSS beam could be connected to the embed plate based on field dimensions:
Option 1 - Shift the embed plate to the exterior face of the 1'-2" wall and cut approx. 1" from the end of the plate in order to clear the pier bond out.
Option 2 - Leave the embed plate centered on the 1'-2" wall and square cut the corner of the plate in order to fit around the pier bond out.

Signed: Alexander R. Wheelock, E.I.


PLEASE CONFIRM THE POSITION
126'-5 1/8"
Z1
FL½"X6
(EL.: 126'-6 ⅛)
Z8
L3X3X¼
(EL.: 127'-10 ⅛)
127'-5 1/8"
127'-9 1/8"
Z17
L3X3X¼
(EL.: 127'-10 ⅛)
Z1
FL½"X6
(EL.: 126'-6 ¾)
126'-4 3/4"
Z1
FL½"X6
(EL.: 126'-6 ⅛)
Z17
L3X3X¼
(EL.: 127'-10 ⅛)
Z20
L3X3X¼
(EL.: 127'-10 ⅛)
127'-9 1/8"
126'-5 1/8"
Z1
FL½"X6
(EL.: 126'-5)
Z18
L3X3X¼
(EL.: 127'-10 ⅛)
Z1
FL½"X6
(EL.: 126'-6 ⅛)
127'-9 1/8"
126'-5 1/8"
Z7
L3X3X¼
(EL.: 127'-10 ⅛)
127'-9 1/8"
Z16
FL½"X6
(EL.: 126'-4 ⅞)
Z6
L3X3X¼
(EL.: 127'-1 ⅛)
Z16
FL½"X6
(EL.: 126'-5)
Z9
L3X3X¼
(EL.: 127'-1 ⅛)
F
G


11
5" E.O.S.
2'-7"
2'-7"
1'-10"
3'-0"
1'-5 1/2"
4 1/2" E.O.S.
1'-5"
2 1/2" PAVERS ON 1/2" BED (SEE ARCH)
3 1/2" CONC SLAB ON 1.5VLI20 GALV DECK W/6x6-W1.4xW1.4 W.W.F. (2" CONC FILL OVER 1 1/2" DECK = 3 1/2" TOTAL).
T/LEVEL 1 EL (SEE PLAN)
T/SLAB EL
T/STL EL 127'-9 1/8"
CONT POURSTOP EA END (SEE SCHEDULE)
SEE ARCH DWGS FOR CEILING SOFFIT
W BEAM (SEE PLAN)
L4x3 1/2x5/16 x0'-6" LG @4'-0" O.C. (PRIMED)
SOFT JOINT (COORD FLASHING W/ARCH)
CONT GALV RELIEVING L8x4x1/2 (SEE PLAN)
U/S PL 7'-0" ABOVE GARAGE SLAB
C8 JAMB BEYOND
1/4 2-8
1/4 8
1/2" PL (PRIMED VERT FACE)
1/4
CONC SLAB ON STEEL DECK (SEE PLAN)
T/SLAB EL (SEE PLAN)
L4x3 1/2x5/16x0'-8" (GALV) @4'-0" O.C.
5/8
L7x4x3/8x1'-0"@ EA END OF PL & @4'-0" O.C.
3/8" BENT PL (INSTALLED AFTER BEAM FIRE PROOFING). HORIZ PORTION TERMINATES AT C8 JAMB, VERT PORTION EXTENDS BEYOND DOOR OPNG AS REQD FOR DOOR MECHANISM. (G.C. COORD W/DOOR REQMTS). COORD COATING W/ARCH.
W BEAM (SEE PLAN)
1'-0"
NOTE: FOR ADDL INFO SEE TYP RELIEVING ANGLE DETAILS.
SECTION
3/4" = 1'-0"
7
S1.1C