


FIELD REPORT NO. 002		SIMPSON GUMPERTZ & HEGER  Engineering of Structures and Building Enclosures
Report By: T.M. Meek / P.M. Millette		
Date of Site Visit: 7 July 2016 Date Report Issued: 11 July 2016		
Project No.: 151755.01	Keyword: GFRC	Purpose: Construction Administration during facade restoration work.
Project Name: The Carillon, 185 Massachusetts Avenue, Boston, MA		
Meeting/ Work Location:	On Site	Time – from: 8:15 a.m. to: 9:45 a.m.
Weather:	Sunny	Ambient Temperature: 80°F
Persons Contacted: Joe Andrews, Foreman (Phoenix Bay State)		
<i>This report is limited. The following items are based on brief and limited observations of certain selected locations; all similar locations may not have been observed. Other issues of equal or greater importance may not be addressed in this report. Recommendations included in this report are for consideration by the project team and are not construction change directives.</i>		

Phoenix Bay State (PBS) Construction mobilized the site and began construction on 13 June 2016. The work scope includes:

1. Sidewalk protection, roof protection.
2. Rigging the building for construction access.
3. Remove/replace all existing building sealants.
4. Surface clean building wall elevations.
5. Surface clean and treat areas with efflorescence.
6. Install two coats of Royalan by KEIM per manufactures writing instructions.

The first two weeks of construction included power wash and efflorescence cleaning on the east, south, and west elevations. SGH inspected the swing stage setup/roof protection and accessed the swing stage with PBS to inspect existing conditions on the south and east elevations.

The third and fourth weeks included removal and replacement of sealants and the application of the first coat of the Royalan coating.

This field report summarizes work completed as of 8 July 2016. There are a total of three rain days that prevented work performance. PBS provided the attached phasing plan showing swing stage positions. PBS references this figure in their look-ahead schedules (attached); this document will reference the phasing plan to track progress. Photos 1 through 7 are overall photos of the project progression.

1. AREA OF WORK – 8 JULY 2016

Phoenix is working from Rig #1 (south elevation), Rig #2 (east elevation), and Rig #3 (west elevation).

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- South Elevation – First coat of KEIM Royalan in progress.
- East Elevation – First coat of KEIM Royalan complete.
- West Elevation – New joint sealant application in progress.

2. OBSERVATIONS/DISCUSSIONS

Tyler M. Meek and Paul M. Millette visited the site on 7 July 2016 to review the progress of the work and meet with PBS. We made the following observations and reviewed them with Joe Andrews (PBS).

- On a number of windows, the existing drip edge in the GFRC wall panel at the head of the window is buried in sealant due to the position of the existing window (Photo 8). We discussed with Joe to add a bead of sealant at the head of the window on the GFRC to act as a drip edge, as we had done on the mockup. Joe asked us to follow up with Joe Goncalves of PBS to review the additional cost for this work item.
- The GFRC panels have small divots throughout each elevation (Photos 9 and 10). We recommended PBS fill these areas of section loss with sealant prior to applying the second coat of KEIM Royalan.
- There are approximately twenty-five 1/4 in. diameter anchors in the GFRC panels on the southeast corner of the building (Photo 11). We recommended Phoenix grind the anchors flush with the face of the panel, apply a zinc coating to the anchor, and apply sealant over the anchor prior to installing the KEIM Royalan in this area.

3. OPEN/ACTION ITEMS

- SGH to review additional cost of sealant drip edge at window heads with PBS. **T.M. Meek discussed this with Joe Goncalves on 8 July 2016. SGH will send recommendation to Boyd/Smith and PBS. PBS will perform work on unit price cost; SGH and PBS to track quantities.**
- Phoenix Bay State to fill areas of GFRC section loss with sealant prior to installing second coat of KEIM Royalan.
- Phoenix Bay State to treat existing anchors in southeast corner of building as discussed in Section 2 above prior to installing first coat of KEIM Royalan.



Photo 1

21 June 2016:
Existing joint sealant removal
and joint preparation work on
south elevation and east
elevation.



Photo 2

24 June 2016:
New joint sealant installation
on south elevation and east
elevation.



Photo 3

27 June 2016:
Existing joint sealant removal
on west elevation.



Photo 4

30 June 2016:
KEIM Royalan application on
east elevation.



Photo 5

7 July 2016:
First coat of KEIM Royalan
complete on east elevation.



Photo 6

7 July 2016:
KEIM Royalan application on
south elevation.



Photo 7

7 July 2016:
New joint sealant installation
on west elevation.



Photo 8

Sealant partially covering
drip edge in GFRC wall
panel.



Photo 9

GFRC section loss at the head of a window.



Photo 10

GFRC section loss at the jamb of a window.



Photo 11

Metal anchors in the GFRP panels at the southeast corner of the building.



NO.	DATE	ISSUE/DESCRIPTION
3	12.11.00	ADDENDUM THREE
1	10.04.00	ADDENDUM ONE
2	09.15.00	REVISED PERMIT SET
4	07.28.00	ISSUED FOR PERMIT SET
5	07.28.00	ISSUED FOR PERMIT SET
6	07.28.00	ISSUED FOR PERMIT SET
7	07.28.00	ISSUED FOR PERMIT SET

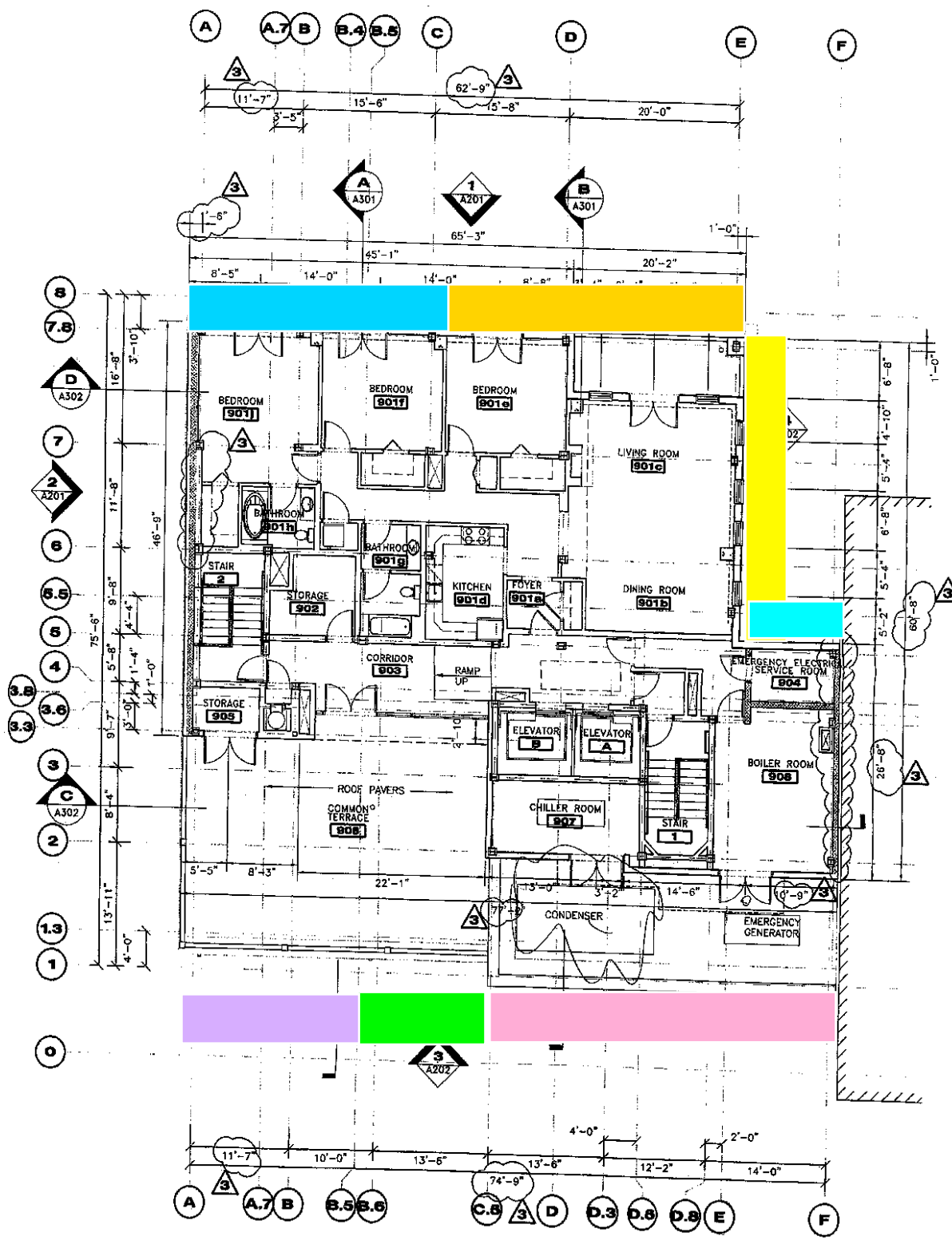
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PEABODY CONS. CO., INC.

SHEET TITLE:
EIGHTH FLOOR & PENTHOUSE PLANS

DATE: 09.01.99
DRAWN BY: KSB
CHKD. BY: GH
JOB NO.: 98249C
DWG. NO.:

A104



- Rig #1
- Rig #2
- Rig #3
- Rig #4
- Rig #1 moves to position #5
- Rig #2 moves to position #6
- Rig #4 moves to Position #7