



# Salem Court Building Exterior Rehabilitation



ID	Task Name	Duration	Start	Finish	2014				2015				2016				2017			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1			
1	<b>KEY PROJECT MILESTONES</b>	<b>424 days</b>	<b>Tue 7/1/14</b>	<b>Tue 2/16/16</b>																
2	Fortis Hired as CM/GC	0 days	Tue 7/1/14	Tue 7/1/14																
3	Fortis CM/GC GMP Proposal Submission	0 days	Tue 3/17/15	Tue 3/17/15																
4	Fortis GMP Ammendment Executed	0 days	Tue 3/31/15	Tue 3/31/15																
5	Fortis Notice to Proceed	0 days	Tue 4/7/15	Tue 4/7/15																
6	Begin Full Scale Façade Restoration	0 days	Thu 8/27/15	Thu 8/27/15																
7	Fortis Substantial Completion	0 days	Tue 2/16/16	Tue 2/16/16																
8	<b>PRECONSTRUCTION</b>	<b>156 days</b>	<b>Mon 8/25/14</b>	<b>Tue 3/31/15</b>																
9	<b>Early Work</b>	<b>54 days</b>	<b>Mon 8/25/14</b>	<b>Fri 11/7/14</b>																
10	Develop Detailed Phase 1 Mock-Up Plan	10 days	Mon 8/25/14	Fri 9/5/14																
11	Early Work - In-Place Mock-Ups	20 days	Mon 10/13/14	Fri 11/7/14																
12	<b>Design</b>	<b>82 days</b>	<b>Mon 11/10/14</b>	<b>Tue 3/3/15</b>																
13	Finish SD Package Based on Early Work	10 days	Mon 11/10/14	Fri 11/21/14																
14	50% CD Review Set (Dwgs/Specs)	38 days	Wed 12/10/14	Fri 1/30/15																
15	DAS/OJD/Fortis Comments on 50% Set	6 days	Mon 2/2/15	Mon 2/9/15																
16	90% CD Review Set	9 days	Tue 2/10/15	Fri 2/20/15																
17	DAS/OJD/Fortis Comments on 90% Set	3 days	Mon 2/23/15	Wed 2/25/15																
18	100% CD Set	4 days	Thu 2/26/15	Tue 3/3/15																
19	<b>Estimating</b>	<b>156 days</b>	<b>Mon 8/25/14</b>	<b>Tue 3/31/15</b>																
20	Fortis 1st Budget - Conceptual Gut Check	10 days	Mon 8/25/14	Fri 9/5/14																
21	Fortis SD Budget - Prepare & Present	10 days	Wed 11/26/14	Tue 12/9/14																
22	RFP Process to Hire Mason	27 days	Tue 12/23/14	Wed 1/28/15																
23	Fortis Bid, Assemble, & Present GMP	10 days	Wed 3/4/15	Tue 3/17/15																
24	Team Review / Approval of GMP	10 days	Wed 3/18/15	Tue 3/31/15																
25	<b>CONSTRUCTION</b>	<b>279 days</b>	<b>Thu 2/5/15</b>	<b>Tue 3/1/16</b>																
26	<b>Mobilize &amp; Procurement</b>	<b>162 days</b>	<b>Thu 2/5/15</b>	<b>Fri 9/18/15</b>																
27	selective demolition	10 days	Thu 2/5/15	Wed 2/18/15																
28	terra cotta submittal process	68 days	Thu 2/12/15	Mon 5/18/15																
29	terra cotta procurement process	89 days	Tue 5/19/15	Fri 9/18/15																
30	mobilize	3 days	Mon 8/3/15	Wed 8/5/15																
31	<b>North Elevation</b>	<b>66 days</b>	<b>Mon 8/3/15</b>	<b>Mon 11/2/15</b>																
32	<b>HOOPLA Delay</b>	<b>5 days</b>	<b>Mon 8/3/15</b>	<b>Fri 8/7/15</b>																
33	<b>install scaffold</b>	<b>10 days</b>	<b>Mon 8/10/15</b>	<b>Fri 8/21/15</b>																
34	<b>Terra Cotta</b>	<b>45 days</b>	<b>Mon 8/24/15</b>	<b>Fri 10/23/15</b>																



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					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
35	removal of cornice units	4 days	Mon 8/24/15	Thu 8/27/15									8/24/15	removal of cornice units				
36	removal of dental units	5 days	Wed 8/26/15	Tue 9/1/15									8/26/15	removal of dental units				
37	removal of existing failed terra cotta patches	6 days	Wed 8/26/15	Wed 9/2/15									8/26/15	removal of existing failed terra cotta patches				
38	substrate preparation	4 days	Thu 9/3/15	Tue 9/8/15									9/3/15	substrate preparation				
39	miscellaneous masonry repairs	4 days	Tue 9/8/15	Fri 9/11/15									9/8/15	miscellaneous masonry repairs				
40	install new stainless steel ties	3 days	Mon 9/14/15	Wed 9/16/15									9/14/15	install new stainless steel ties				
41	terra cotta installation	15 days	Mon 9/21/15	Fri 10/9/15									9/21/15	terra cotta installation				
42	flashing / sheet metal	10 days	Mon 10/12/15	Fri 10/23/15									10/12/15	flashing / sheet metal				
43	tuckpointing	5 days	Thu 10/8/15	Wed 10/14/15									10/8/15	tuckpointing				
44	cleaning	2 days	Thu 10/15/15	Fri 10/16/15									10/15/15	cleaning				
45	SHPO Inspection	1 day	Mon 10/19/15	Mon 10/19/15									10/19/15	SHPO Inspection				
46	<b>Windows</b>	<b>40 days</b>	<b>Mon 8/24/15</b>	<b>Fri 10/16/15</b>									8/24/15	10/16/15				
47	Pull and Install Infills - North 3rd Flr	2 days	Mon 8/24/15	Tue 8/25/15									8/24/15	Pull and Install Infills - North 3rd Flr				
48	Interior Window Repair - North 3rd Flr	3 days	Wed 8/26/15	Fri 8/28/15									8/26/15	Interior Window Repair - North 3rd Flr				
49	Pull and Install Infills - North 2nd Flr	3 days	Tue 8/25/15	Thu 8/27/15									8/25/15	Pull and Install Infills - North 2nd Flr				
50	Interior Window Repair - North 2nd Flr	3 days	Fri 8/28/15	Tue 9/1/15									8/28/15	Interior Window Repair - North 2nd Flr				
51	Pull and Install Infills - North 1st Flr & Bsmt	2 days	Thu 8/27/15	Fri 8/28/15									8/27/15	Pull and Install Infills - North 1st Flr & Bsmt				
52	Interior Window Repair - North 1st Flr & Bsmt	3 days	Mon 8/31/15	Wed 9/2/15									8/31/15	Interior Window Repair - North 1st Flr & Bsmt				
53	Exterior Abatement at Frames	6 days	Mon 8/31/15	Mon 9/7/15									8/31/15	Exterior Abatement at Frames				
54	Off-site window repairs, abatement, paint, repair, etc	31 days	Wed 8/26/15	Wed 10/7/15									8/26/15	Off-site window repairs, abatement, paint				
55	Install Windows - North 3rd Flr	3 days	Thu 10/8/15	Mon 10/12/15									10/8/15	Install Windows - North 3rd Flr				
56	Install Windows - North 2nd Flr	3 days	Mon 10/12/15	Wed 10/14/15									10/12/15	Install Windows - North 2nd Flr				
57	Install Windows - North 1st Flr & Bsmt	3 days	Wed 10/14/15	Fri 10/16/15									10/14/15	Install Windows - North 1st Flr & Bsmt				
58	tear down scaffold	10 days	Tue 10/20/15	Mon 11/2/15									10/20/15	tear down scaffold				
59	<b>West Elevation</b>	<b>76 days</b>	<b>Mon 8/3/15</b>	<b>Mon 11/16/15</b>									8/3/15	11/16/15				
60	install scaffold	10 days	Mon 8/3/15	Fri 8/14/15									8/3/15	install scaffold				
61	<b>Terra Cotta</b>	<b>51 days</b>	<b>Fri 8/28/15</b>	<b>Fri 11/6/15</b>									8/28/15	11/6/15				
62	removal of cornice units	4 days	Fri 8/28/15	Wed 9/2/15									8/28/15	removal of cornice units				
63	removal of dental units	5 days	Tue 9/1/15	Mon 9/7/15									9/1/15	removal of dental units				
64	removal of column terra cotta units	5 days	Tue 9/8/15	Mon 9/14/15									9/8/15	removal of column terra cotta units				



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					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
65	removal of existing failed terra cotta patch	6 days	Fri 9/11/15	Fri 9/18/15									9/11/15	removal of existing failed terra cotta patch				
66	substrate preparation	4 days	Mon 9/21/15	Thu 9/24/15									9/21/15	substrate preparation				
67	miscellaneous masonry repairs	4 days	Thu 9/24/15	Tue 9/29/15									9/24/15	miscellaneous masonry repairs				
68	install new structural steel at columns	4 days	Thu 9/24/15	Tue 9/29/15									9/24/15	install new structural steel at columns				
69	install new stainless steel ties	3 days	Wed 9/30/15	Fri 10/2/15									9/30/15	install new stainless steel ties				
70	terra cotta installation	15 days	Mon 10/5/15	Fri 10/23/15									10/5/15	terra cotta installation				
71	flashing / sheet metal	10 days	Mon 10/26/15	Fri 11/6/15									10/26/15	flashing / sheet metal				
72	tuckpointing	5 days	Thu 10/22/15	Wed 10/28/15									10/22/15	tuckpointing				
73	cleaning	2 days	Thu 10/29/15	Fri 10/30/15									10/29/15	cleaning				
74	SHPO Inspection	1 day	Mon 11/2/15	Mon 11/2/15									11/2/15	SHPO Inspection				
75	<b>Windows</b>	<b>38 days</b>	<b>Wed 9/2/15</b>	<b>Fri 10/23/15</b>									9/2/15	10/23/15				
76	Pull and Install Infills - West 3rd Flr	1 day	Wed 9/2/15	Wed 9/2/15									9/2/15	Pull and Install Infills - West 3rd Flr				
77	Interior Window Repair - West 3rd Flr	3 days	Thu 9/3/15	Mon 9/7/15									9/3/15	Interior Window Repair - West 3rd Flr				
78	Pull and Install Infills - West 2nd Flr	1 day	Thu 9/3/15	Thu 9/3/15									9/3/15	Pull and Install Infills - West 2nd Flr				
79	Interior Window Repair - West 2nd Flr	3 days	Fri 9/4/15	Tue 9/8/15									9/4/15	Interior Window Repair - West 2nd Flr				
80	Pull and Install Infills - West 1st Flr	1 day	Fri 9/4/15	Fri 9/4/15									9/4/15	Pull and Install Infills - West 1st Flr				
81	Interior Window Repair - West 1st Flr	3 days	Mon 9/7/15	Wed 9/9/15									9/7/15	Interior Window Repair - West 1st Flr				
82	Exterior Abatement at Frames	5 days	Mon 9/7/15	Fri 9/11/15									9/7/15	Exterior Abatement at Frames				
83	Off-site window repairs, abatement, paint, repair, etc	32 days	Thu 9/3/15	Fri 10/16/15									9/3/15	Off-site window repairs, abatement, paint, repair, etc				
84	Install Windows - West 3rd Flr	1 day	Mon 10/19/15	Mon 10/19/15									10/19/15	Install Windows - West 3rd Flr				
85	Install Windows - West 2nd Flr	2 days	Tue 10/20/15	Wed 10/21/15									10/20/15	Install Windows - West 2nd Flr				
86	Install Windows - West 1st Flr	2 days	Thu 10/22/15	Fri 10/23/15									10/22/15	Install Windows - West 1st Flr				
87	tear down scaffold	10 days	Tue 11/3/15	Mon 11/16/15									11/3/15	tear down scaffold				
88	<b>South Elevation</b>	<b>67 days</b>	<b>Tue 11/3/15</b>	<b>Wed 2/3/16</b>									11/3/15	2/3/16				
89	install scaffold	10 days	Tue 11/3/15	Mon 11/16/15									11/3/15	install scaffold				
90	<b>Terra Cotta</b>	<b>51 days</b>	<b>Tue 11/17/15</b>	<b>Tue 1/26/16</b>									11/17/15	1/26/16				
91	removal of cornice units	4 days	Tue 11/17/15	Fri 11/20/15									11/17/15	removal of cornice units				
92	removal of dental units	5 days	Thu 11/19/15	Wed 11/25/15									11/19/15	removal of dental units				
93	removal of column terra cotta units	5 days	Thu 11/26/15	Wed 12/2/15									11/26/15	removal of column terra cotta units				
94	removal of existing failed terra cotta patch	6 days	Tue 12/1/15	Tue 12/8/15									12/1/15	removal of existing failed terra cotta patch				
95	substrate preparation	4 days	Wed 12/9/15	Mon 12/14/15									12/9/15	substrate preparation				
96	miscellaneous masonry repairs	4 days	Mon 12/14/15	Thu 12/17/15									12/14/15	miscellaneous masonry repairs				
97	install new structural steel at columns	4 days	Mon 12/14/15	Thu 12/17/15									12/14/15	install new structural steel at columns				

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					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1		
98	install new stainless steel ties	3 days	Fri 12/18/15	Tue 12/22/15									12/18/15	◦	install new stainless steel ties				
99	terra cotta installation	15 days	Wed 12/23/15	Tue 1/12/16									12/23/15	∞	terra cotta installation				
100	flashing / sheet metal	10 days	Wed 1/13/16	Tue 1/26/16									1/13/16	∞	flashing / sheet metal				
101	tuckpointing	5 days	Mon 1/11/16	Fri 1/15/16									1/11/16	◦	tuckpointing				
102	cleaning	2 days	Mon 1/18/16	Tue 1/19/16									1/18/16	↓	cleaning				
103	SHPO Inspection	1 day	Wed 1/20/16	Wed 1/20/16									1/20/16	↓	SHPO Inspection				
104	<b>Windows</b>	<b>45 days</b>	<b>Tue 11/17/15</b>	<b>Mon 1/18/16</b>									11/17/15	◄	1/18/16				
105	remove windows	4 days	Tue 11/17/15	Fri 11/20/15									11/17/15	◦	remove windows				
106	abatement at frames	6 days	Mon 11/23/15	Mon 11/30/15									11/23/15	◦	abatement at frames				
107	off-site window repairs	20 days	Mon 11/23/15	Fri 12/18/15									11/23/15	∞	off-site window repairs				
108	on-site window frame repairs	20 days	Tue 12/1/15	Mon 12/28/15									12/1/15	∞	on-site window frame repairs				
109	plywood protection	10 days	Tue 12/29/15	Mon 1/11/16									12/29/15	∞	plywood protection				
110	paint & stain frames	3 days	Tue 1/12/16	Thu 1/14/16									1/12/16	◦	paint & stain frames				
111	reinstall windows	2 days	Fri 1/15/16	Mon 1/18/16									1/15/16	◦	reinstall windows				
112	tear down scaffold	10 days	Thu 1/21/16	Wed 2/3/16									1/21/16	∞	tear down scaffold				
113	<b>East Elevation</b>	<b>67 days</b>	<b>Tue 11/17/15</b>	<b>Wed 2/17/16</b>									11/17/15	◄	2/17/16				
114	install scaffold	10 days	Tue 11/17/15	Mon 11/30/15									11/17/15	■	install scaffold				
115	<b>Terra Cotta</b>	<b>47 days</b>	<b>Tue 12/1/15</b>	<b>Wed 2/3/16</b>									12/1/15	◄	2/3/16				
116	removal of cornice units	4 days	Tue 12/1/15	Fri 12/4/15									12/1/15	◦	removal of cornice units				
117	removal of dental units	5 days	Thu 12/3/15	Wed 12/9/15									12/3/15	◦	removal of dental units				
118	removal of column terra cotta units	5 days	Thu 12/10/15	Wed 12/16/15									12/10/15	◦	removal of column terra cotta units				
119	removal of existing failed terra cotta patches	6 days	Tue 12/15/15	Tue 12/22/15									12/15/15	◦	removal of existing failed terra cott				
120	substrate preparation	4 days	Wed 12/23/15	Mon 12/28/15									12/23/15	◦	substrate preparation				
121	miscellaneous masonry repairs	4 days	Mon 12/28/15	Thu 12/31/15									12/28/15	↓	miscellaneous masonry repairs				
122	install new structural steel at columns	4 days	Mon 12/28/15	Thu 12/31/15									12/28/15	↓	install new structural steel at colur				
123	install new stainless steel ties	3 days	Fri 1/1/16	Tue 1/5/16									1/1/16	◦	install new stainless steel ties				
124	terra cotta installation	15 days	Wed 1/6/16	Tue 1/26/16									1/6/16	■	terra cotta installation				
125	flashing / sheet metal	10 days	Wed 1/13/16	Tue 1/26/16									1/13/16	∞	flashing / sheet metal				
126	tuckpointing	5 days	Mon 1/25/16	Fri 1/29/16									1/25/16	◦	tuckpointing				
127	cleaning	2 days	Mon 2/1/16	Tue 2/2/16									2/1/16	↓	cleaning				
128	SHPO Inspection	1 day	Wed 2/3/16	Wed 2/3/16									2/3/16	↓	SHPO Inspection				
129	<b>Windows</b>	<b>38 days</b>	<b>Tue 12/1/15</b>	<b>Thu 1/21/16</b>									12/1/15	◄	1/21/16				
130	remove windows	3 days	Tue 12/1/15	Thu 12/3/15									12/1/15	◦	remove windows				

