

**Section 2.0 - Specification for Abatement and Selective Demolition
Amendment
Submission Date: June 5, 2008**

Title **Section 2.0 - Specification for Abatement and Selective Demolition**

Amendment #5 REV 02

Reason for the Amendment

The original approved plan called for updating the plan regarding the abatement options of the spandrel walls for those walls that were inaccessible earlier due to lack of scaffold planking. During the façade cleaning these inaccessible exterior areas were inspected. The attached chart, “Bay Damage Diagram Containment Options”, was completed after these inspections.

Bay Damage Diagrams

The Bay Damage Diagrams were drafted from information provided during filed inspection to evaluate whether there was any damage to the spandrel walls. After discussions with Nova, the abatement contractor, these diagrams were utilized in determining the expected containment options to handle the damage delineated. These options were delineated in the Bay Damage Diagram Containment Options Chart.

During the containment set-up on the 10th floor, RJLG was asked by Nova to verify the bay damage for bay #8 delineated on the 10th floor Bay Damage Diagram. Field inspections revealed that bay #8 was not damaged however bay #7 was. Bay #7 was not delineated on the Bay Damage Diagram as damaged. This clerical error has been corrected. Bay # 7 shows as damage on the revised bay Damage Diagram and Bay #8 does not.

As was defined in the approved plan, additional inspections of the exterior spandrel wall bays, previously inaccessible on the 4th – 11th floors were performed as they came available. No additional damage was discovered on these previously un-inspected exterior walls.

Sub-section(s) of the Specification affected

Appendix C, Bay Damage Diagrams, 10th Floor

Exterior Hard Walled Containment Barrier Options

Appendices A & B discuss specific damage, both interior and exterior, to the spandrel walls and brick cladding and what was felt at the time as the containment options that would be utilized.

During containment set-up for Phase III B, floors 10, 11 & 12, it became apparent that utilizing Exterior Scaffold Hard Walled Containment Option #2 on some bays that were not originally defined as damaged enough to require this option was the easier and more cost effective option. Including these less damaged bays allowed for extending the exterior scaffold containment required for surrounding bays completing a contiguous work area. Containment options for these bays have been edited on the attached Bay Damage Diagram Containment Options Chart.

Although the containment options may have changed the abatement methodologies did not. Procedures to abate various types of damage were performed per the approved plan regardless of the containment option.

Sub-section(s) of the Specification affected

Appendix A, Exterior Hard Walled Containment Barrier
Appendix B, Exterior Scaffold Hard Walled Containment Barrier
Appendix C, Bay Damage Diagram Containment Options Chart

On or about February 25, 2008 after floors 8, 9, 10, 11 and 12 have been abated and floors 5, 6 and 7 were being contained, it was decided that the containments option #1A was not necessary to perform the interior spandrel wall abatement as it was noted that the exterior brick wall was/is sound enough to allow for the interior demolition and cleaning without the supporting lumber specified in option #1A. From this time on all options #1A were changed to option #1B.

Although the containment options may have changed the abatement methodologies did not. Procedure to abatement various types of damage were performed per the approved plan regardless of the containment option.

Sub-section(s) of the Specification affected

Appendix A, Exterior Hard Walled Containment Barrier
Appendix C, Bay Damage Diagram Containment Options Chart

Ground Floor Exterior Hard Walled Containment Barrier Options

The ground floor is unlike the other floors in that there are framed openings in the spandrel walls where heater/air conditioning units once were placed. After the units were taken out, these openings were closed with wood studs and plywood. As depicted on the Bay Damage Diagrams for the ground floor there is no damage to the exterior spandrel walls. The abatement methodology is therefore to only remove/abate the windows and to abate the interior damaged bays as depicted in the Bay Damage Diagrams.

Nova, the abatement contractor originally thought that they would erect exterior hard walled containment barriers from the ground to the top of the bay openings per Option #1 and that was included in the original Bay Damage Diagram Containment Options Chart of the approved plan. Once containment set-up began Nova decided to only erect a hard walled containment barrier per Option #1 on bays that had the heater/air conditioning openings. In the other bays, Options #1B was utilized to contain the bay.

Sub-section(s) of the Specification affected

Appendix A, Exterior Hard Walled Containment Barrier
Appendix C, Bay Damage Diagram Containment Options Chart

Date Implemented: February 25, 2008

Bay Damage Diagram Containment Options

Floor	Bay	Option	Floor	Bay	Option	Floor	Bay	Option	Floor	Bay	Option
Ground	1	1* & ***	2	1	1B	3	1	1B	4	1	1B
Ground	2	1* & ****	2	2	1B	3	2	1B	4	2	1B
Ground	3	1* & ***	2	3	1B	3	3	1B	4	3	1B
Ground	4	1B ** & ***	2	4	1B	3	4	1B	4	4	1B
Ground	5	1* & ****	2	5	1B	3	5	1B	4	5	1B
Ground	6	1* & ***	2	6	1B	3	6	1B	4	6	1B
Ground	7	1* & ***	2	7	1B	3	7	1B	4	7	1B
Ground	8	1* & ***	2	8	1B	3	8	1B	4	8	1B
Ground	9	1B ** & ****	2	9	1B	3	9	1B	4	9	1B
Ground	10	1* & ***	2	10	1B	3	10	1B	4	10	1B
Ground	11	1B ** & ***	2	11	1B	3	11	1B	4	11	1B
Ground	12	1B ** & ***	2	12	1B	3	12	1B	4	12	1B
Ground	13	1B ** & ***	2	13	1B	3	13	1B	4	13	1B
Ground	14	1* & ****	2	14	1B	3	14	1B	4	14	1B
Ground			2	15	1B	3	15	1B	4	15	1B
Ground			2	16	1B	3	16	1B	4	16	1B
Ground			2	17	1B	3	17	1B	4	17	1B

NOTE: Edited Chart per Amendment #5 REV 02

* Containment option only to cover wall unit opening.

** Containment option change from approved plan where there are no wall unit openings

*** Abatement methodology; remove/abate windows only

**** Abatement methodology: remove/abate windows and abate interior walls manmade damage per the approved plan.

Bay Damage Diagram Containment Options

Floor	Bay	Option	Floor	Bay	Option	Floor	Bay	Option	Floor	Bay	Option
5	1	1B	6	1	1B	7	1	1B	8	1	1B
5	2	1B	6	2	1B	7	2	1B	8	2	1B
5	3	1B	6	3	1B	7	3	1B	8	3	1A
5	4	1B	6	4	1B	7	4	1B	8	4	1B
5	5	1B	6	5	1B	7	5	1B	8	5	1B
5	6	1B	6	6	1B	7	6	1B	8	6	1B
5	7	1B	6	7	1B	7	7	1B	8	7	1A
5	8	1B	6	8	1B	7	8	1B	8	8	1B
5	9	1B	6	9	1B	7	9	1B	8	9	1B
5	10	1B	6	10	1B	7	10	1B	8	10	1B
5	11	1B	6	11	1B	7	11	1B	8	11	1B
5	12	1B	6	12	1B	7	12	1B	8	12	1B
5	13	1B	6	13	1B	7	13	1B	8	13	1B
5	14	1B	6	14	1B	7	14	1B	8	14	1A
5	15	1B	6	15	1B	7	15	1B	8	15	1B
5	16	1B	6	16	1B	7	16	1B	8	16	1B
5	17	1B	6	17	1B	7	17	1B	8	17	1B

NOTE: Edited Chart per Amendment #5

Bay Damage Diagram Containment Options

Floor	Bay	Option
9	1	1B
9	2	1B
9	3	1A
9	4	1B
9	5	1B
9	6	1A
9	7	1B
9	8	1B
9	9	1B
9	10	1B
9	11	1B
9	12	1B
9	13	1B
9	14	1B
9	15	1A
9	16	1B
9	17	1B

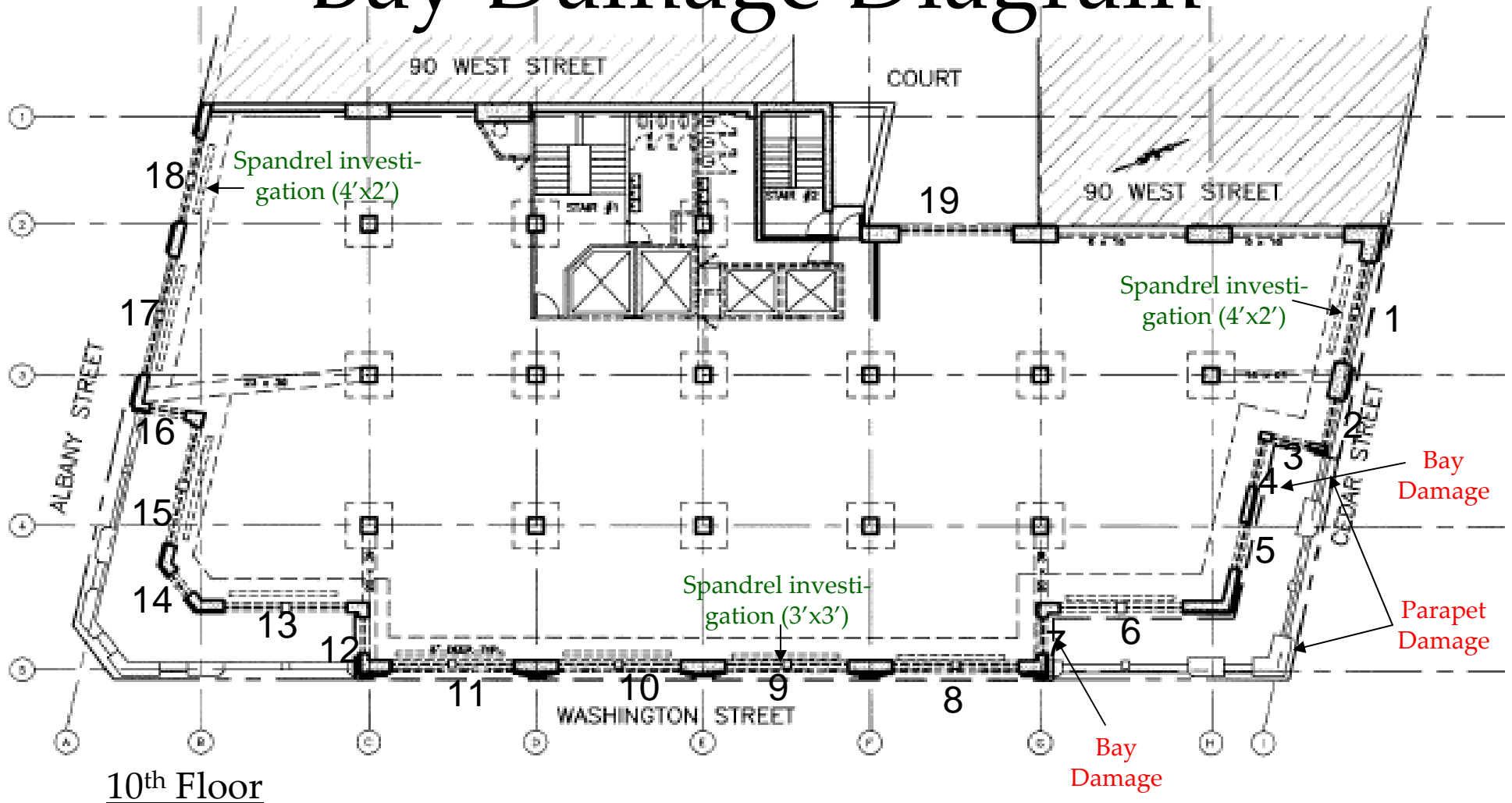
Floor	Bay	Option
10	1	1A
10	2	1B
10	3	2
10	4	2
10	5	2
10	6	2
10	7	2
10	8	1B
10	9	1A
10	10	1B
10	11	1B
10	12	1B
10	13	1B
10	14	1B
10	15	1B
10	16	1B
10	17	1B
10	18	1A
10	19	1B

Floor	Bay	Option
11	1	2
11	2	2 *
11	3	2
11	4	2 *
11	5	2 *
11	6	2
11	7	2
11	8	1B
11	9	1B
11	10	1B
11	11	1B
11	12	1B
11	13	1B
11	14	1B
11	15	1B
11	16	1A
11	17	1B
11	18	1B
11	19	1B
11	20	1B
11	21	1B

Floor	Bay	Option
12	1	2
12	2	2 *
12	3	2 *
12	4	2
12	5	2
12	6	2
12	7	1B
12	8	1B
12	9	1B
12	10	1B
12	11	1B
12	12	1B
12	13	1B
12	14	1B
12	15	1B
12	16	1B
12	17	1B

NOTE: Edited charted pre Amendment #5 * Containment option change only. Abatement methodology remains the same as Option #1B

Bay Damage Diagram



10th Floor

NOTE: FEMA Investigation refers to 1" dia. drill holes on interior spandrel wall

Spandrel Investigation refers to previous spandrel wall investigations on interior spandrel wall

Other notes located in the interior portion of the floorplan refer to all other interior breaches and are described in the diagram

NOTE: Bay Damage refers to breaches in the exterior side of spandrel wall, exterior support column, and/or exterior window column.

Parapet Damage refers to breaches in roof or terrace parapet