



FORT JAY BARRACKS

Governors Island National Monument
New York, New York



Paint Sampling Report:
Doorways and Windows

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National Parks of New York Harbor
New York, New York

By

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INTRODUCTION

Painting Contract

Work is currently underway to repair and repaint the windows and exterior doorways of the four barracks (Buildings 202, 206, 210, and 214) at Fort Jay, Governors Island National Monument. The project was originally described in PMIS #95568, "Repaint Exteriors and Interiors of Historic Fort Jay."

This project would scrape, patch, prime, and repaint exteriors and interiors of historic Fort Jay. Current paint is flaking and deteriorated, which is causing deterioration of woodwork and built features.

The existing work to "Repair Fort Jay Roofs, Windows and Doors" is being implemented under contract #1443C4500070929. The contractor is Strock Enterprises Ltd. of Cheektawaga, New York. As part of the repairs to windows and doors, paint is being removed from interior and exterior window sashes, doors, frames, and casings in preparation for repainting. In the first barrack to be repaired, the north barrack (Building 214), paint is being removed down to exposed wood using heat guns and scrapers. The need for such extensive paint removal is currently being questioned, however, and may result in less aggressive techniques (i.e., scraping of loose paint only) being employed in the remaining east, south, and west barracks (Buildings 202, 206, and 210). Non- historic aluminum storm windows and doors installed by the U.S. Coast Guard are also being removed as part of this contract.

Paint Sampling

Paint samples were removed from the interior and exterior sides of the exterior doorways and windows of the barracks at Fort Jay in December 2007 and January 2008.¹ The purpose of this was to enable study of the finishes at a later date and thereby mitigate the adverse effect of paint removal from those elements. This was accomplished by Architectural Conservators Judy Jacob of the NPS Architectural Preservation Division, NER, and Barbara Yocum of the NPS Historic Architecture Program, NER. Judy obtained paint samples from the interior rooms of the west barrack (Building 206), the north barrack (Building 214), and from the exterior sides of all four barracks. Barbara obtained paint samples from the interior rooms and enclosed porches of the east barrack (Building 202) and the south barrack (Building 206). Samples were removed from doors, doorway trim/casings, window sashes, and window trim/casings and some stools, in rooms of the first and second stories. In addition, several samples were obtained from plaster walls and ceilings. Small samples of paint and their substrate were extracted using an X- Acto

¹ The total number of paint samples is 501.

knife, placed in coin envelopes, and assigned temporary numbers. Sample locations were recorded on the envelopes and keyed to 1930s floor plans of each building (see Appendix B). Existing paint schemes were documented in written notes and selected digital photographs. The samples were deposited in the paint archives of the Historic Architecture Program in Lowell, Massachusetts. No comprehensive analysis was carried out at this time.

Fort Jay Barracks: Brief Description

Four large barracks frame the center quadrangle at Fort Jay on Governors Island. These are the east barrack (Building 202), the south barrack (Building 206), the west barrack (Building 210), and the north barrack (Building 214). These large brick structures were constructed between 1834 and 1837, replacing earlier brick barracks. Extensive remodeling of the buildings was carried out on the east barrack by the U.S. Dept. of the Army in 1934- 35, and on the other three barracks by the Works Progress Administration from 1936 to 1938. Each barrack is divided into four quarters designated "A," "B," "C," and "D." The quarters of the east barrack are each on one floor, while those in the south, west, and north barracks are townhouse style. The existing woodwork associated with the doorways and windows dates to the 1930s.

General Observations

A thick buildup of paint was observed on the doorway and window elements of all four barracks suggesting frequent painting. Such an accumulation is suggestive of a regular schedule of repainting, together with frequent turnover of residents, and thus could be considered a character- defining feature. This buildup also increased the difficulty of obtaining fully intact samples, since the paints had a tendency to crack and crumble when removed.

Although no comprehensive paint analysis was undertaken at this time, Architectural Conservator Barbara Yocum did examine several representative paint samples with the microscope to guide the park in choosing paint colors (see Appendix A). A contract to repaint both the exteriors and interiors of the barracks is currently in progress.

Acknowledgements

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I. INTERIOR PAINT SAMPLES

EAST BARRACK (BUILDING 202)

The east barrack (Building 202) is divided into four quarters, each located on one floor. Quarters 202A occupies the northern half of the first story, 202B the southern half of the first story, 202C the northern half of the second story, and 202D the southern half of the second story. Each unit includes a kitchen, dining room, living room, hallway, three bedrooms, and one or two bathrooms. This layout dates to the last remodeling of the building by the U.S. Dept. of the Army in 1934- 35. Most windows, doorways, and associated woodwork date to this time.

Quarters 202A

Existing Painted Finishes

Most rooms in Quarters 202A are finished with white paint on the woodwork and plaster ceilings, and cream- yellow paint on the plaster walls. Only the kitchen and two bathrooms have white- painted walls. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 202A of the east barrack, December 2007.

Paint Samples

Twenty- two (22) paint samples were removed from the interior doorways and windows of Quarters 202A in the east barrack. The locations of these samples follow.

1. Kitchen: east doorway, door (newer, post- 1934- 35)
2. Kitchen: east doorway, trim/casing
3. Kitchen: northwest window, sash
4. Kitchen: northwest window, trim/casing
5. Dining room: west doorway, door
6. Dining room: west doorway, trim/casing
7. Dining room: east window, sash
8. Dining room: east window, trim/casing
9. Living room: west doorway, door
10. Living room: west doorway, trim/casing
11. Living room: east window, sash
12. Living room: east window, trim/casing
13. Hall: west window (opposite middle bedroom), sash
14. Hall: west window (opposite middle bedroom), trim/casing
15. North bedroom (A): east window, sash
16. North bedroom (A): east window, trim/casing
17. Middle bedroom (B): east window, sash
18. Middle bedroom (B): east window, trim/casing
19. Middle bathroom (B): east window, sash (no trim/casing)
20. South bedroom(C): east window, sash
21. South bedroom (C): east window, trim/casing
22. North bathroom: east window, sash (no trim/casing)

Quarters 202B

Existing Painted Finishes

Most rooms in Quarters 202B are painted white except the walls of the living room and hall that are cream. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 202B of the east barrack, December 2007

Paint Samples

Twenty (20) paint samples were removed from the interior doorways and windows of Quarters 202B in the east barrack. The locations of these samples follow.

1. Kitchen: east doorway, door
2. Kitchen: east doorway, trim/casing
3. Kitchen: south window, sash
4. Kitchen: south window, trim/casing (partially stripped)
5. Dining room: south window, sash
6. Dining room: south window, trim/casing
7. Living room: west doorway, door
8. Living room: west doorway, trim/casing
9. Living room: east window, sash
10. Living room: east window, trim/casing
11. Hall: west window (opposite middle bedroom), sash
12. Hall: west window (opposite middle bedroom), trim/casing
13. South bedroom (A): east window, sash (paint failing to bare wood)
14. South bedroom (A): east window, trim/casing (partially stripped)
15. Middle bedroom (B): east window, sash
16. Middle bedroom (B): east window, trim/casing
17. North bedroom (C): east window, sash
18. North bedroom (C): east window, trim/casing
19. Bathroom: west window, sash
20. Bathroom: west window, trim/casing

Quarters 202C

Existing Painted Finishes

Most rooms in Quarters 202A are finished with white paint on the woodwork and plaster ceilings, and cream paint on the plaster walls. Only the kitchen has white- painted walls. Wallpaper borders decorate the upper walls of the dining room, middle bedroom, and south bedroom. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 202C of the east barrack, December 2007.

Paint Samples

Twenty- four (24) paint samples were removed from the interior doorways and windows of Quarters 202C in the east barrack. The locations of these samples follow.

1. Kitchen: east doorway, door
2. Kitchen: east doorway, trim/casing
3. Kitchen: east window, sash
4. Kitchen: east window, trim/casing
5. Dining room: west doorway, door
6. Dining room: west doorway, trim/casing
7. Dining room: east window, sash
8. Dining room: east window, trim/casing
9. Living room: west doorway, door
10. Living room: west doorway, trim/casing
11. Living room: east window, sash

12. Living room: east window, trim/casing
13. Hall: west window (opposite south bedroom), sash
14. Hall: west window (opposite south bedroom), trim/casing
15. North bedroom (A): east window, sash
16. North bedroom (A): east window, trim/casing
17. Middle bathroom: east window, sash
18. Middle bathroom: east window, trim/casing
19. Middle bedroom (B): east window, sash
20. Middle bedroom (B): east window, trim/casing
21. South bedroom (C): east window, sash
22. South bedroom (C): east window, trim/casing
23. South bathroom: west window, sash
24. South bathroom: west window, trim/casing

Quarters 202D

Existing Painted Finishes

Most rooms in Quarters 202D are finished with white paint on the woodwork, plaster walls, and plaster ceilings. The walls of the dining room, living room, hall, and south bedroom are painted cream. Hand-painted stencils adorn the upper walls of the dining room, living room, south bedroom, kitchen, and middle bathroom. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 202D of the east barrack, December 2007.

Paint Samples

Twenty-five (25) paint samples were removed from the interior doorways and windows of Quarters 202D in the east barrack. In addition, one sample was taken from a wall. The locations of these samples follow.

1. Kitchen: east doorway, door (newer, post- 1934- 45)
2. Kitchen: east doorway, trim/casing
3. Kitchen: east window, sash
4. Kitchen: east window, trim/casing
5. Dining room: west doorway, door
6. Dining room: west doorway, trim/casing
7. Dining room: south window, sash
8. Dining room: south window, trim/casing
9. Dining room: plaster wall
10. Living room: west doorway, door
11. Living room: west doorway, trim/casing
12. Living room: east window, sash
13. Living room: east window, trim/casing
14. Hall: west window (opposite south bedroom), sash
15. Hall: west window (opposite south bedroom), trim/casing
16. South bedroom (A): east window, sash
17. South bedroom (A): east window, trim/casing
18. Middle bathroom: east window, sash (paint failing to bare wood)
19. Middle bathroom: east window, trim/casing (paint failing to bare wood)
20. Middle bedroom (B): east window, sash (paint failing to bare wood)
21. Middle bedroom (B): east window, trim/casing
22. North bedroom (C): east window, sash
23. North bedroom (C): east window, trim/casing
24. North bathroom: west window, sash
25. North bathroom: west window, trim/casing (paint failing to bare wood)

SOUTH BARRACK (BUILDING 206)

The south barrack (Building 206) is divided into four townhouse- style apartments, each occupying three floors: basement, first floor, and second floor. Quarters 206A is at the east end of the building, 206B and 206C are in the middle, and 206D is at the west end. Each unit includes maids' quarters and a laundry room in the basement; kitchen, pantry, dining room, living room, and stair hall in the first story; and three bedrooms, two bathrooms and a hall in the second story. This layout dates to the last remodeling of the building by the Works Progress Administration for the U.S. Dept. of the Army in 1937- 38. Most windows, doorways, and associated woodwork date to this time.

Quarters 206A

Existing Painted Finishes

Most rooms in Quarters 206A are finished with white paint on the woodwork and plaster ceilings, and cream paint on the plaster walls. Only the kitchen and bathrooms have white-painted walls. Wallpaper borders decorate the upper walls of the kitchen and living room. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 206A of the south barrack, December 2007.

Paint Samples

Twenty-five (25) paint samples were removed from the interior doorways and windows of Quarters 206A in the south barrack. The locations of these samples follow.

1. Kitchen: south doorway, door
2. Kitchen: south doorway, trim/casing
3. Kitchen: south window, sash
4. Kitchen: south window, trim/casing
5. Dining room: south window, sash
6. Dining room: south window, trim/casing
7. Living room: north window, sash
8. Living room: north window, trim/casing
9. First- floor stair hall: north doorway, door
10. First- floor stair hall: north doorway, trim/casing
11. First- floor stair hall: plaster wall near north doorway
12. Second- floor stair hall: north doorway, door
13. Second- floor stair hall: north doorway, trim/casing
14. Second- floor stair hall: north window (opposite west bedroom), sash
15. Second- floor stair hall: north window (opposite west bedroom), trim/casing
16. East bathroom: south window, sash
17. East bathroom: south window, trim/casing (later clamshell style)
18. East bedroom (#1): south window, sash
19. East bedroom (#1): south window, trim/casing
20. Middle bedroom (#2): south window, sash
21. Middle bedroom (#2): south window, trim/casing
22. West bedroom (#3): south window, sash
23. West bedroom (#3): south window, trim/casing
24. West bathroom: north window, sash
25. West bathroom: north window (later clamshell style), trim/casing

Quarters 206B

Existing Painted Finishes

Most rooms of Quarters 206B are finished with white paint on the woodwork and plaster ceilings, and cream paint on the plaster walls. The walls of the kitchen, pantry, and bathrooms are painted white. The dining room is most highly decorated, with blue paint on the east and west walls and wallpaper on the north and south walls. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room (left) and dining room (right) in Quarters 206B of the south barrack, December 2007.

Paint Samples

Twenty- three (23) paint samples were removed from the interior doorways and windows of Quarters 206B in the south barrack. In addition, one sample was taken from a wall. The locations of these samples follow.

1. Kitchen: south doorway, door
2. Kitchen: south doorway, trim/casing
3. Kitchen: south window, sash
4. Kitchen: south window, trim/casing
5. Dining room: south window, sash
6. Dining room: south window, trim/casing
7. Living room: north window, sash
8. Living room: north window, trim/casing
9. Living room: plaster wall above mantel
10. First- floor stair hall: north doorway, door
11. First- floor stair hall: north doorway, trim/casing
12. Second- floor stair hall: north doorway, door (no trim/casing)
13. East bathroom: north window, sash
14. East bathroom: north window, sash stop (no sample from later trim/casing)
15. East bedroom (#1): south window, sash
16. East bedroom (#1): south window, trim/casing
17. Middle bedroom (#2): south window, sash
18. Middle bedroom (#2): south window, trim/casing

19. West bedroom (#3): south window, sash
20. West bedroom (#3): south window, trim/casing
21. West bedroom (#3): plaster wall
22. West bathroom: north window, sash
23. West bathroom: north window, sash stop, north window (no sample from later trim/casing)

Quarters 206C

Existing Painted Finishes

Most rooms in Quarters 206C are finished with white paint on the woodwork and plaster ceilings, and cream- yellow paint on the plaster walls. Only the kitchen and bathrooms have white- painted walls. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 206C of the west barrack, December 2007.

Paint Samples

Twenty- four (24) paint samples were removed from the interior doorways and windows of Quarters 206C in the south barrack. In addition, four samples were taken from walls. The locations of these samples follow.

1. Kitchen: south doorway, door
2. Kitchen: south doorway, trim/casing

3. Kitchen: sash, south window (paint failing to bare wood)
4. Kitchen: south window, trim/casing
5. Kitchen: plaster wall at south doorway
6. Dining room: south window, sash
7. Dining room: south doorway, trim/casing
8. Dining room: plaster wall
9. Living room: north window, sash
10. Living room: north window, trim/casing
11. First- floor stair hall: north doorway, door
12. First- floor stair hall: north doorway, trim/casing
13. First- floor stair hall: plaster wall at north doorway
14. Second- floor stair hall: north doorway, door (paint failing to bare wood; no trim/casing)
15. East bathroom: north window, sash (paint failing to bare wood)
16. East bathroom: north window, jamb (no sample from later trim/casing)
17. East bedroom (#1): south window, sash
18. East bedroom (#1): south window, trim/casing (paint failing to yellow layer)
19. Middle bedroom (#2): south window, sash
20. Middle bedroom (#2): south window, trim/casing (paint failing to yellow layer)
21. West bedroom (#3): south bedroom, sash
22. West bedroom #3): south window, trim/casing (paint failing to yellow layer)
23. West bedroom (#3): east plaster wall
24. West bathroom: north window, sash (no sample from later trim/casing)

Quarters 206D

Existing Painted Finishes

Most rooms in Quarters 206D are finished with white paint on the woodwork and plaster ceilings, and cream- yellow paint on the plaster walls. Only the kitchen, pantry and bathrooms have white- painted walls. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Dining room in quarters 206D of the south barrack, December 2007.

Paint Samples

Twenty- two (22) paint samples were removed from the interior doorways and windows of Quarters 206D in the south barrack. In addition, one sample was taken from a wall. The locations of these samples follow.

1. Kitchen: south doorway, door
2. Kitchen: south doorway, trim/casing (paint failing to yellow layer)
3. Kitchen: south window, sash
4. Kitchen: south window, trim/casing
5. Dining room: south window, sash
6. Dining room: south window, trim/casing
7. Dining room: south plaster wall
8. Living room: north window, sash
9. Living room: north window, trim/casing
10. First- floor stair hall: north doorway, door (paint failing to yellow layer)
11. First- floor stair hall: north doorway, trim/casing (paint failing to yellow layer)
12. Second- floor stair hall: north doorway, door (no trim/casing)
13. East bathroom: north window, sash
14. East bathroom: north window, jamb (no sample from later trim/casing)
15. East bedroom (#1): south window, sash (paint failing to bare wood)
16. East bedroom (#1): south window, trim/casing (paint failing to yellow layer)
17. Middle bedroom (#2): south window, sash

18. Middle bedroom (#2): south window, trim/casing (paint failing to yellow layer)
19. West bedroom (#3): south window, sash
20. West bedroom (#3): south window, trim/casing (paint failing to green and yellow layers)
21. West bathroom: north window, sash
22. West bathroom: south window, jamb (no sample from later trim/casing)

WEST BARRACK (BUILDING 210)

The west barrack (Building 210) is divided into four townhouse- style apartments, each occupying three floors: basement, first floor, and second floor. Quarters 210A is at the south end of the building, 210B and 210C are in the middle, and 210D is at the north end. Each unit includes maids' quarters and a laundry room in the basement; kitchen, pantry, dining room, living room, and stair hall in the first story; and three or four bedrooms, two bathrooms and a hall in the second story. This layout dates to the last remodeling of the building by the Works Progress Administration for the U.S. Dept. of the Army in 1937- 38. Most windows, doorways, and associated woodwork are also of this vintage.

Quarters 210A

Existing Painted Finishes

Most rooms in Quarters 210A are finished with white paint on the woodwork and plaster ceilings, and cream paint on the plaster walls. Only the kitchen and bathrooms have white-painted walls. The wooden floors and the newel and handrail of the interior stair have a clear finish such as a resinous varnish or polyurethane.



Living room (left) and kitchen (right) in Quarters 210A of the west barrack, December 2007.

Paint Samples

Twenty-eight (28) paint samples were removed from the interior doorways and windows of Quarters 210A in the west barrack. In addition, two paint samples were taken from the ceiling that had fallen to the floor. The locations of these samples follow.

1. Kitchen: west doorway, door
2. Kitchen: west doorway, frame/casing
3. Kitchen: southeast window, sash
4. Kitchen: southeast window, frame/casing
5. Dining room: west window, sash
6. Dining room: west window, frame/casing
7. Dining room: ceiling (loose sample on floor)
8. Living room: west window, sash
9. Living room: west window, frame/casing
10. Living room: ceiling (loosing sample on floor)
11. First- floor stair hall: front (east) doorway, door
12. First- floor stair hall: front (east) doorway, frame/casing
13. First- floor stair hall: east window, sash
14. First- floor stair hall: east window, frame/casing
15. Second- floor stair hall: east doorway, door
16. Second- floor stair hall: east doorway, frame/casing
17. Second- floor stair hall: east window, sash
18. Second- floor stair hall: east window, frame/casing
19. South bathroom: west window, sash
20. South bathroom: west window, frame/casing
21. South bedroom (#1): west window, sash
22. South bedroom (#1): west window, frame/casing
23. Middle bedroom (#2): west window, sash
24. Middle bedroom (#2): west window, frame/casing
25. North bedroom (#3): west window, sash
26. North bedroom (#3): west window, frame/casing
27. North bathroom: east window, sash
28. North bathroom: east window, frame/casing

Quarters 210B

Existing Painted Finishes

Most of the rooms in Quarters 210B are finished with white paint on the woodwork and plaster ceilings, and cream paint on the plaster walls. Only the kitchen and south bathroom have white walls. Hand- painted stencils adorn the upper walls of the dining room, living room, and south bathroom. Wallpaper is applied to the lower walls of the first- floor stair hall and the walls of the north bathroom; wallpaper borders decorate the upper walls of the stair hall, kitchen, and all

four bedrooms. The wooden floors and the newel and handrail of the interior stair have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 210B of the west barrack, December 2007.

Paint Samples

Thirty- four (34) paint samples were removed from the interior doorways and windows of Quarters 210B in the west barrack. In addition, samples were taken from several walls, ceilings, and telephone alcove. The locations of these samples follow.

1. Kitchen: west doorway, door
2. Kitchen: west doorway, frame/casing
3. Kitchen: west window, sash
4. Kitchen: west window, frame/casing
5. Dining room: west window, sash
6. Dining room: west window, frame/trim
7. Living room: west window, sash
8. Living room: west window, frame/casing
9. First- floor stair hall: front (east) doorway, door
10. First- floor stair hall: front (east) doorway, frame/casing
11. First- floor stair hall: east window, sash
12. First- floor stair hall: east window, frame/casing
13. First- floor stair hall: ceiling (loose sample on floor)
14. Second- floor stair hall: east doorway, door
15. Second- floor stair hall: east doorway, frame/casing
16. Second- floor stair hall: east window, sash
17. Second- floor stair hall: east window, frame/casing
18. Second- floor stair hall: wall
19. Second- floor stair hall: ceiling (loose sample on floor)

20. Second- floor stair hall: telephone alcove
21. South bathroom: east window, frame/casing
22. South bathroom: east window, frame/casing (two samples; no sash?)
23. South bedroom (#1): west window, sash
24. South bedroom (#1): west window, frame/casing
25. South bedroom (#1): ceiling (loose sample on floor)
26. Middle bedroom (#2): west window, sash
27. Middle bedroom (#2): west window, frame/casing
28. Middle bedroom (#3): west window, sash
29. Middle bedroom (#3): west window, frame/casing
30. North bedroom (#4): west window, sash
31. North bedroom (#4): west window, frame/casing
32. North bedroom (#4): wall
33. North bathroom: east window, sash
34. North bathroom: east window, frame/casing

Quarters 210C

Existing Painted Finishes

Most rooms in Quarters 210C are finished with white paint on the woodwork and plaster ceilings, and cream paint on the plaster walls. Only the kitchen and bathrooms have white-painted walls. The wooden floors, fireplace mantel, and the newel and handrail of the interior stair have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 210C of the west barrack, December 2007.

Paint Samples

Thirty- three (33) paint samples were removed from the interior doorways and windows of Quarters 210C in the west barrack. In addition, samples were taken from several walls and ceilings. The locations of these samples follow.

1. Kitchen: west doorway, door
2. Kitchen: west doorway, frame/casing
3. Kitchen: west window, sash
4. Kitchen: west window, frame/casing
5. Dining room: west window, sash
6. Dining room: west window, frame/casing
7. Dining room: ceiling (loose sample on floor)
8. Living room: west window, sash
9. Living room: west window, frame/casing
10. Living room: ceiling (loose sample on floor)
11. First- story stair hall: front (east) doorway, door
12. First- story stair hall: front (east) doorway, frame/casing
13. First- story stair hall: east window, sash
14. First- story stair hall: east window, frame/casing
15. First- story stair hall: wall
16. First- story stair hall: ceiling (loose sample on floor)
17. Second- story stair hall: east doorway, door
18. Second- story stair hall: east doorway, frame/casing
19. Second- story stair hall: east window, sash
20. Second- story stair hall: east window, frame/casing
21. Second- story stair hall: wall
22. South bathroom: east window, sash
23. South bathroom: east window, frame/casing
24. South bedroom (#1): west window, sash
25. South bedroom (#1): west window, frame/casing
26. South bedroom (#1): ceiling (loose sample on floor)
27. Middle bedroom (#2): west window, sash
28. Middle bedroom (#2): west window, frame/casing
29. Middle bedroom (#2): wall
30. North bedroom (#3): west window, sash
31. North bedroom (#3): west window, frame/casing
32. North bathroom: east window, sash
33. North bathroom: east window, frame/casing

Quarters 210D

Existing Painted Finishes

Most rooms in Quarters 210D are finished with white paint on the woodwork and plaster ceilings, and cream paint on the plaster walls. Only the kitchen and bathrooms have white walls. A hand-painted stencil adorns the upper walls of the kitchen. Wallpaper is applied to the east wall of the first-floor stair hall, and a wallpaper border is on the upper walls of the north bathroom. The wooden floors have a clear finish such as a resinous varnish or polyurethane. The stair newel and handrail are painted black.



Living room in Quarters 210D of the west barrack, December 2007.

Paint Samples

Thirty (30) paint samples were removed from the interior doorways and windows of Quarters 210D in the west barrack. In addition, samples were taken from several walls and one ceiling. The locations of these samples follow.

1. Kitchen: west doorway, door
2. Kitchen: west doorway, frame/casing
3. Kitchen: northeast window, sash
4. Kitchen: northeast window, frame/casing
5. Dining room: west window, sash
6. Dining room: west window, frame/casing

7. Dining room: wall
8. Living room: west window, sash
9. Living room: west window, frame/casing
10. Living room: wall
11. First- floor stair hall: front (east) doorway, door
12. First- floor stair hall: front (east) doorway, frame/casing
13. First- floor stair hall: east window, sash
14. First- floor stair hall: east window, frame/casing
15. First- floor stair hall: wall
16. Second- floor stair hall: east doorway, door
17. Second- floor stair hall: east doorway, frame/casing
18. Second- floor stair hall: east window, sash
19. Second- floor stair hall: east window, frame/casing
20. Second- floor stair hall: ceiling (loose sample on floor)
21. South bath: east window, sash
22. South bath: east window, frame/casing
23. South bedroom (#1): west window, sash
24. South bedroom (#1): west window, frame/casing (2 envelopes)
25. Middle bedroom (#2): west window, sash
26. Middle bedroom (#2): west window, frame/casing
27. North bedroom (#3): west window, sash
28. North bedroom (#3): west window, frame/casing
29. North bathroom, west window, sash
30. North bathroom, west window, frame/casing

NORTH BARRACK (BUILDING 214)

The north barrack (Building 214) is divided into four townhouse- style apartments, each occupying three floors: basement, first floor, and second floor. Quarters 214A is at the west end of the building, 214B and 214C are in the middle, and 214D is at the east end. Each unit has maids' quarters and a laundry room in the basement; kitchen, dining room, living room, and stair hall in the first story; and three bedrooms, two bathrooms and a hall in the second story. This layout dates to the last remodeling of the building by the Works Project Administration for the U.S. Dept. of the Army in 1936- 37. Most windows, doorways, and associated woodwork date to this time.

Quarters 214A

Existing Painted Finishes

Most rooms in Quarters 214A are finished with white paint on the woodwork (including the stair railing), plaster walls and ceilings. Only the dining room walls are painted a cream color. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 214A of the north barrack, January 2008.

Paint Samples

Forty- seven (47) paint samples were removed from the interior doorways and windows of Quarters 214A in the north barrack. In addition, samples were taken from several walls. The locations of these samples follow.

1. Kitchen: north doorway, door
2. Kitchen: north doorway, frame/casing
3. Kitchen: north window, sash
4. Kitchen: north window, frame/casing
5. Kitchen: north window, sill/stool
6. Kitchen: wall
7. Kitchen pantry: wall
8. Dining room: southeast window, sash
9. Dining room: southeast window, frame/casing
10. Dining room: southeast window, sill/stool
11. Dining room: southwest window, sash
12. Dining room: southwest window, frame/casing
13. Dining room: southwest window, sill/stool
14. Dining room: wall
15. Living room: north window, sash
16. Living room: north window, frame/casing
17. Living room: north window, sill/stool
18. Living room: west window, sash
19. Living room: west window, frame/casing
20. Living room: west window, sill/stool
21. Living room: south window, sash
22. Living room: south window, frame/casing
23. Living room: south window, sill/stool
24. First- floor hall: front (south) doorway, door
25. First- floor hall: front (south) doorway, frame/casing
26. Second- floor hall: south doorway, door
27. Second- floor hall: south doorway, frame/casing
28. West bathroom: south window, sash
29. West bathroom: south window, frame/casing
30. West bathroom: south window, sill/stool
31. West bathroom: wall
32. West bedroom (#1): north or west window, sash
33. West bedroom (#1): north or west window, sash
34. West bedroom (#1): north or west window, frame/casing
35. West bedroom (#1): north or west window, frame/casing
36. West bedroom (#1): north or west window, sill/stool
37. West bedroom (#1): north or west window, sill/stool
38. Middle bedroom (#2): north window, sash
39. Middle bedroom (#2): north window, frame/casing
40. Middle bedroom (#2): north window, sill/stool
41. East bedroom (#3): north window, sash
42. East bedroom (#3): north window, frame/casing

43. East bedroom (#3): north window, sill/stool
44. East bathroom: south window, sash
45. East bathroom: south window, frame/casing
46. East bathroom: south window, sill/stool
47. East bathroom: wall

Quarters 214B

Existing Painted Finishes

Most rooms in Quarters 214B are finished with white paint on the woodwork (including the stair railing), plaster walls and plaster ceiling. The walls of the dining room, living room, and first- floor hall are cream. Hand- painted stencils adorn the upper walls of the kitchen, dining room, living room, and north bedroom. Wallpaper trims one wall of the north bathroom. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 214B of the north barrack, January 2008.

Paint Samples

Thirty- two (32) paint samples were removed from the interior doorways and windows of Quarters 214B in the north barrack. The locations of these samples follow.

1. Kitchen: north doorway, door
2. Kitchen: north doorway, frame/casing
3. Kitchen: north window, sash

4. Kitchen: north window, frame/casing
5. Kitchen: north window, sill/stool
6. Dining room: south window, sash
7. Dining room: south window, frame/casing
8. Dining room: south window, sill/stool
9. Living room: north window, sash
10. Living room: north window, frame/casing
11. Living room: north window, sill/stool
12. Living room: south window, sash
13. Living room: south window, frame/casing
14. First- floor hall: south doorway, door
15. First- floor hall: south doorway, frame/casing
16. Second- floor hall: south doorway, door
17. Second- floor hall: south doorway, frame/casing
18. West bathroom: south window, sash
19. West bathroom: south window, frame/casing
20. West bathroom: south window, sill/stool
21. West bedroom (#1): north window, sash
22. West bedroom (#1): north window, frame/casing
23. West bedroom (#1): north window, sill/stool
24. Middle bedroom (#2): north window, sash
25. Middle bedroom (#2): north window, frame/casing
26. Middle bedroom (#2): north window, sill/stool
27. East bedroom (#3): north window, sash
28. East bedroom (#3): north window, frame/casing
29. East bedroom (#3): north window, sill/stool.
30. East bathroom: south window, sash
31. East bathroom: south window, frame/casing
32. East bathroom: south window, sill/stool

Quarters 214C

Existing Painted Finishes

Most rooms in Quarters 214C have white- painted woodwork and ceilings and cream- yellow walls. Only the walls of the kitchen and bathrooms are white. The wooden floors have a clear finish such as a resinous varnish or polyurethane.



Living room in Quarters 214C of the north barrack, January 2008.

Paint Samples

Thirty- six (36) paint samples were removed from the interior doorways and windows of Quarters 214C in the north barrack. In addition, samples were taken from several walls and one ceiling. The locations of these samples follow.

1. Kitchen: north doorway, door
2. Kitchen: north doorway, frame/casing
3. Kitchen: north window, sash
4. Kitchen: north window, frame/casing
5. Kitchen: north window, sill/stool
6. Kitchen: wall
7. Dining room: north window, sash
8. Dining room: north window, sill/stool
9. Dining room: north window, frame/casing
10. Dining room: wall
11. Living room: north window, sash
12. Living room: north window, frame/casing
13. Living room: ceiling (loose sample on floor)
14. First- floor hall: south doorway, door
15. First- floor hall: south doorway, frame/casing
16. First- floor hall: south window, sash
17. First- floor hall: south window, frame/casing
18. First- floor hall: wall
19. Second- floor hall: south doorway, door
20. Second- floor hall: south doorway, frame/casing
21. Second- floor hall: south window, sash
22. Second- floor hall: south window, frame/casing

23. Second- floor hall: wall
24. West bathroom: south window, sash
25. West bathroom: south window, frame/casing
26. West bedroom (#1): north window, sash
27. West bedroom (#1): north window, frame/casing
28. West bedroom (#1): wall
29. Middle bedroom (#2): north window, sash
30. Middle bedroom (#2): north window, frame/casing
31. Middle bedroom (#2): wall
32. East bedroom (#3): north window, sash
33. East bedroom (#3): north window, frame/sash
34. East bedroom (#3): wall
35. East bathroom: south window, sash
36. East bathroom: south window, frame/casing

Quarters 214D

Existing Painted Finishes

Most rooms in Quarters 214D have white- painted woodwork and ceilings and cream- yellow walls. Only the walls of the kitchen, pantry/breakfast room, and bathrooms are white. Wallpaper borders adorn the upper walls of the dining room and the middle wall of the first- floor toilet room. The wooden floors, some doors, and stair railing have a clear finish such as a resinous varnish or polyurethane. Removal of paint from window sashes and casings was in progress in the rooms of Quarters 214D in December 2007- January 2008 (see photo below).



Living room in Quarters 214D of the north barrack, January 2008.

Paint Samples

Thirty- three (33) paint samples were removed from the interior doorways and windows of Quarters 214D in the north barrack. In addition, several samples were also taken from walls and one ceiling. The locations of these samples follow.

1. Kitchen: north doorway, door
2. Kitchen: north window, sash
3. Kitchen: north window, frame/casing
4. Kitchen: southeast window, sash
5. Kitchen: southeast window, frame/casing
6. Pantry/breakfast room: north window, sash
7. Pantry/breakfast room: north window, frame/casing
8. Pantry/breakfast room: wall
9. Toilet room: wall
10. Dining room: north window, sash
11. Dining room: north window, frame/casing
12. Dining room: north window, sill/stool
13. Living room: north window, sash
14. Living room: north window, frame/casing
15. Living room: south window, frame/casing
16. First- floor hall: south doorway, door
17. Second- floor hall: south window, sash
18. Second- floor hall: south window, frame/casing
19. West bathroom: south window, sash
20. West bathroom: south window, frame/casing
21. West bedroom (#1): north window, sash
22. West bedroom (#1): north window, frame/casing
23. West bedroom (#1): wall
24. Middle bedroom (#2): north window, sash
25. Middle bedroom (#2): north window, frame/casing
26. Middle bedroom (#2): ceiling (loose sample on floor)
27. East bedroom (#3): north window, sash
28. East bedroom (#3): north window, frame/casing
29. East bedroom (#3): southeast window, sash
30. East bedroom (#3): southeast window, frame/casing
31. East bedroom (#3): wall
32. East bathroom: window sash
33. East bathroom: window frame/casing

II. EXTERIOR PAINT SAMPLES

EXTERIOR DOORWAYS & WINDOWS

Brief Description

The existing arrangement of doorways and windows at the Fort Jay barracks dates to the remodeling of the buildings by the U.S. Dept. of the Army and the Works Progress Administration in the 1930s. Although some openings predate these alterations, all woodwork elements (frames, doors, sashes and trim) appear to be of 1930s or later vintage. Aluminum storm doors and windows installed by the U.S. Coast Guard after 1966 are being removed under the existing contract.

Existing Painted Finishes

The exterior doorways and windows of the four barracks buildings at Fort Jay are painted in a uniform paint scheme of white and black. White paint finishes the casings of the doorways, windows, and the window sashes; the doors are painted black. This color scheme is found on both the courtyard side and the opposite ditch side of the buildings.



Exterior doorway in the east elevation of the west barrack (above).

Exterior window in the north elevation of the south barrack (left).

Paint Samples

Forty- three (43) paint samples were removed from the exterior doorways and windows of the Fort Jay barracks. The locations of these samples follow.

Courtyard Side

1. Building 202: Quarters B, living room doorway at enclosed porch, door (12 lts over 1 panel)
2. Building 202, Quarters B: living room doorway at enclosed porch, trim/casing
3. Building 202, Quarters B: dining room window at enclosed porch. sash
4. Building 202, Quarters B: dining room window at enclosed porch, trim/casing
5. Building 202. Quarters D: living room doorway at enclosed porch, door (12 lts over 1 panel)
6. Building 202, Quarters D, living room doorway at enclosed porch, trim/casing
7. Building 206, Quarters B, first story, north doorway, door (6 panels)
8. Building 206, Quarters B, first story, north doorway, frame/casing
9. Building 206, Quarters B, first story, north doorway, frame/casing (formerly covered by storm door)
10. Building 206, Quarters D: first story, living room window, sash
11. Building 206, Quarters D: first story, living room window, frame/sash
12. Building 210, Quarters A: first story, east doorway, door (6 panels)
13. Building 210, Quarters A: first story, east doorway, frame/casing
14. Building 210, Quarters A: first story, east doorway, frame/casing (formerly covered by storm door)
15. Building 210, Quarters B: first story, living room window, sash
16. Building 210, Quarters B: first story, living room window, frame/casing
17. Building 210, Quarters D: first story, east doorway, door (6 panels)
18. Building 210, Quarters D: first story, east doorway, frame/casing
19. Building 210, Quarters D: first story, east doorway, frame/casing (formerly covered by storm door)
20. Building 214, Quarters A: first story, living room window, sash
21. Building 214, Quarters A: first story, living room window, frame/casing
22. Building 214, Quarters B: first story, south doorway, door (6 panels)
23. Building 214, Quarters B: first story, south doorway, frame/casing

Ditch Side

24. Building 202, Quarters A: first story, south bedroom window, sash
25. Building 202, Quarters A: first story, south bedroom window, frame/casing
26. Building 202, Quarters B: first story, kitchen doorway, door
27. Building 202, Quarters B: first story, kitchen doorway, frame/casing
28. Building 206, Quarters C: first story, kitchen doorway, door
29. Building 206, Quarters C: first story, kitchen doorway, frame/casing
30. Building 206, Quarters C: first story, kitchen window, sash
31. Building 206, Quarters C: first story, kitchen window, frame/casing
32. Building 206, Quarters D: first story, living room window, sash
33. Building 206, Quarters D: first story, living room window, frame/casing
34. Building 210, Quarters C: first story, kitchen doorway, door
35. Building 210, Quarters C: first story, kitchen doorway, frame/casing

36. Building 210, Quarters C: first story, kitchen doorway, frame/casing (formerly covered by storm door)
37. Building 210, Quarters C: first story, kitchen window, sash
38. Building 210, Quarters C: first story, kitchen window, frame/casing
39. Building 214, Quarters A: first story, kitchen doorway, door
40. Building 214, Quarters A: first story, kitchen doorway, frame/casing
41. Building 214, Quarters A: first story, kitchen doorway, frame/casing (formerly covered by storm door)
42. Building 214, Quarters A: first story, living room window, sash
43. Building 214, Quarters A: first story, living room window, frame/casing

APPENDIX A

Email to GOIS Superintendent



Barbara Yocum

01/24/2008 10:48 AM
EST

To: Linda Neal/GOIS/NPS@NPS
cc: Peggy Albee/Boston/NPS@NPS, Dena Saslaw/GOIS/NPS@NPS, Judy
Jacob/MASI/NPS@NPS
Subject: GOIS Barracks Paint Colors

Linda,

Regarding the contractor's recommendations for interior painting of the barracks, I concur with using an EGGSHELL finish for the walls and a FLAT/MATT finish for the ceilings. A GLOSS finish should be used for both interior and exterior woodwork trim, doors, and window sashes.

As for paint colors, there are no immediate plans to do a paint analysis of the paint samples that Judy and I removed. However, I did take a quick look at a few representative exterior and interior samples with the microscope and made some observations you might find helpful.

1. Dena is correct that Benjamin Moore's **Cameo White 77** is a close match to the original 1930s interior woodwork of the barracks (window and doorway casings, doors, and window sashes). A similar shade also appears to have been used on the plaster walls and the exterior doorways and windows.
2. One uniform paint scheme has been used on the exterior of the four barracks since they were last remodeled in the 1930s, which is when the existing doorways and windows were installed.
3. The number of paint layers observed in several samples suggests that painting of the barracks occurred approximately every five years. Therefore, assuming the barracks were last painted around 1995, I counted back 6-7 layers to determine the circa-1966 paint schemes. Woodwork of the interior doorways and windows, including the interior sides of the exterior doors, was then painted a cream-white that closely matches Benjamin Moore's **Navajo White 73**. Presumably other woodwork trim, such as baseboards and interior doors, was similarly painted. I do not have sufficient information to say what colors the plaster walls were, although there is variation by room including some use of pastels. Ceilings were generally painted creams and whites. Outside, a similar shade matching "Navajo White" was used on the casings of the doorways, windows, and the window sashes. The exterior doors were then painted a dark green, which closely matches Benjamin Moore's **Chrome Green** exterior ready-mixed paint.

In summary:

1930s: Woodwork paint color, exterior and interior (including doors): Benjamin Moore **Cameo White 77**.

Ca. 1966: Woodwork paint color, exterior and interior (including interior sides of exterior doors): Benjamin Moore **Navajo White 73**; exterior sides of exterior doors: Benjamin Moore **Chrome Green**.

Whatever paint scheme you chose, be sure to record the paint type and colors. This information should be saved in a file documenting both the painting and other work being carried out on the historic barracks.

Thank you for the opportunity to work with you once again at Governors Island. Be sure to let me know if you have any questions.

Barbara

Barbara A. Yocum
Architectural Conservator
Historic Architecture Program, Northeast Region
115 John Street, 4th Floor
Lowell, MA 01852

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(978)970-5121 (fax)

APPENDIX B

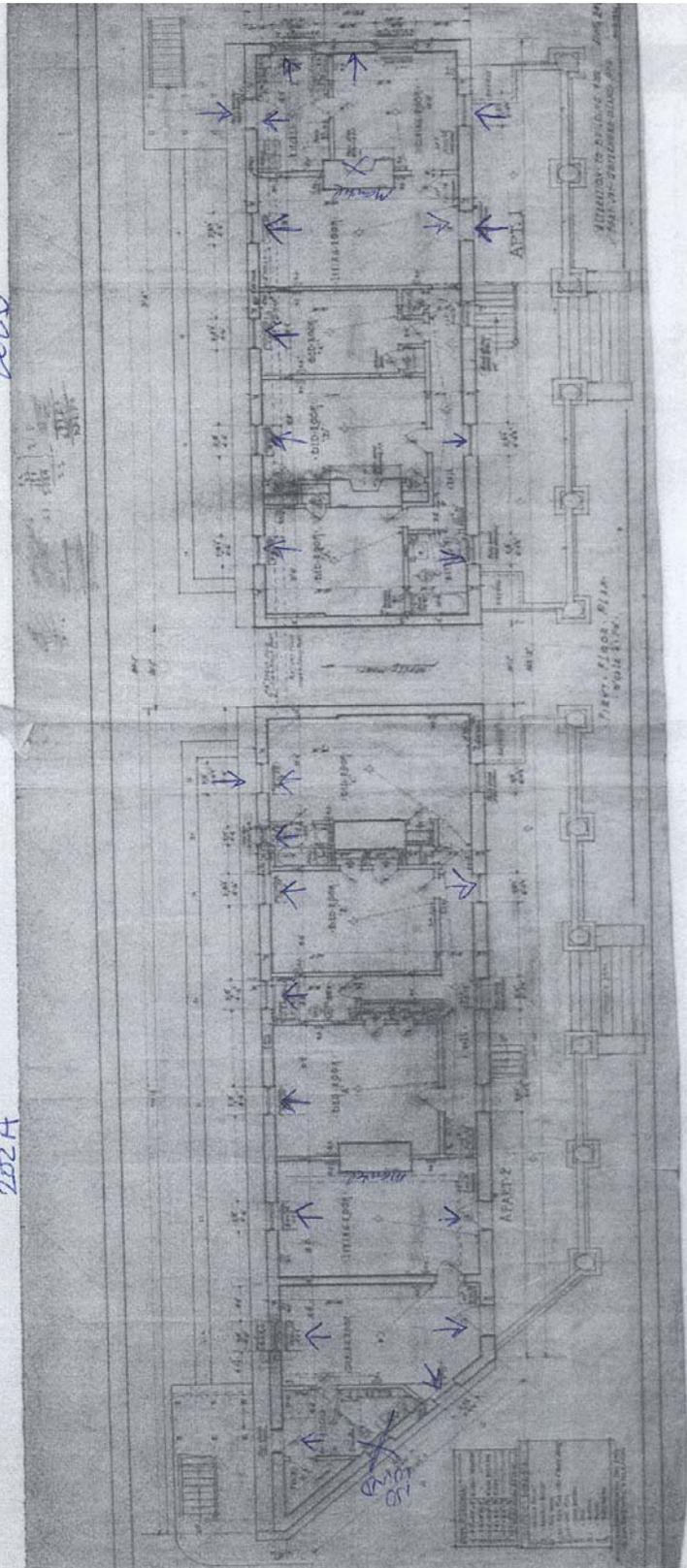
Annotated Floor Plans (1930s)

Floor plans of the first and second floors of Buildings 202, 206, 210, and 210 are included on the following pages. These plans date to the 1930s remodeling of the barracks by the U.S. Dept. of the Army and the Works Progress Administration. While some alterations have been made to the interiors since the 1930s, they remain for the most part unchanged since that time. These plans are annotated with paint sample locations, which are designated with hand-drawn arrows. Other notations include "W" for wall samples and "C" for ceiling samples.

Bldg. 202
1st Flr
934

202B

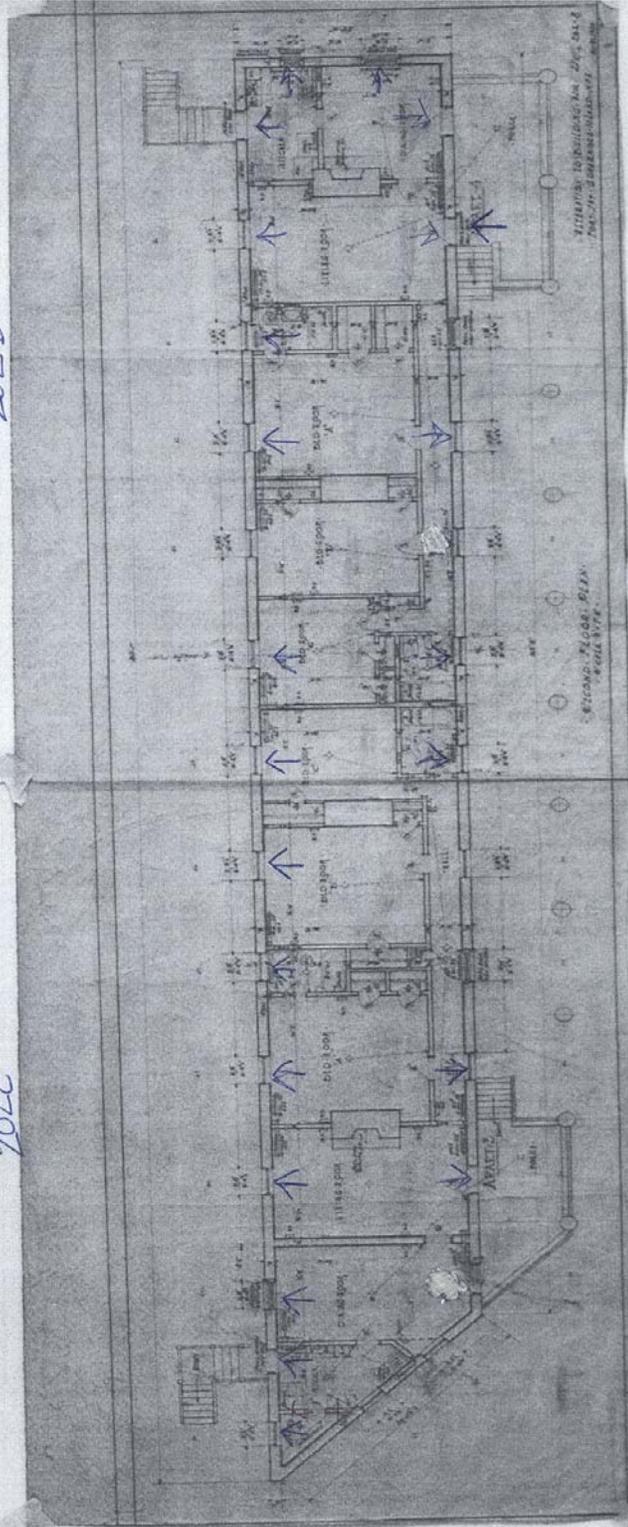
202A



BUDG 202
2ND FLR
1934

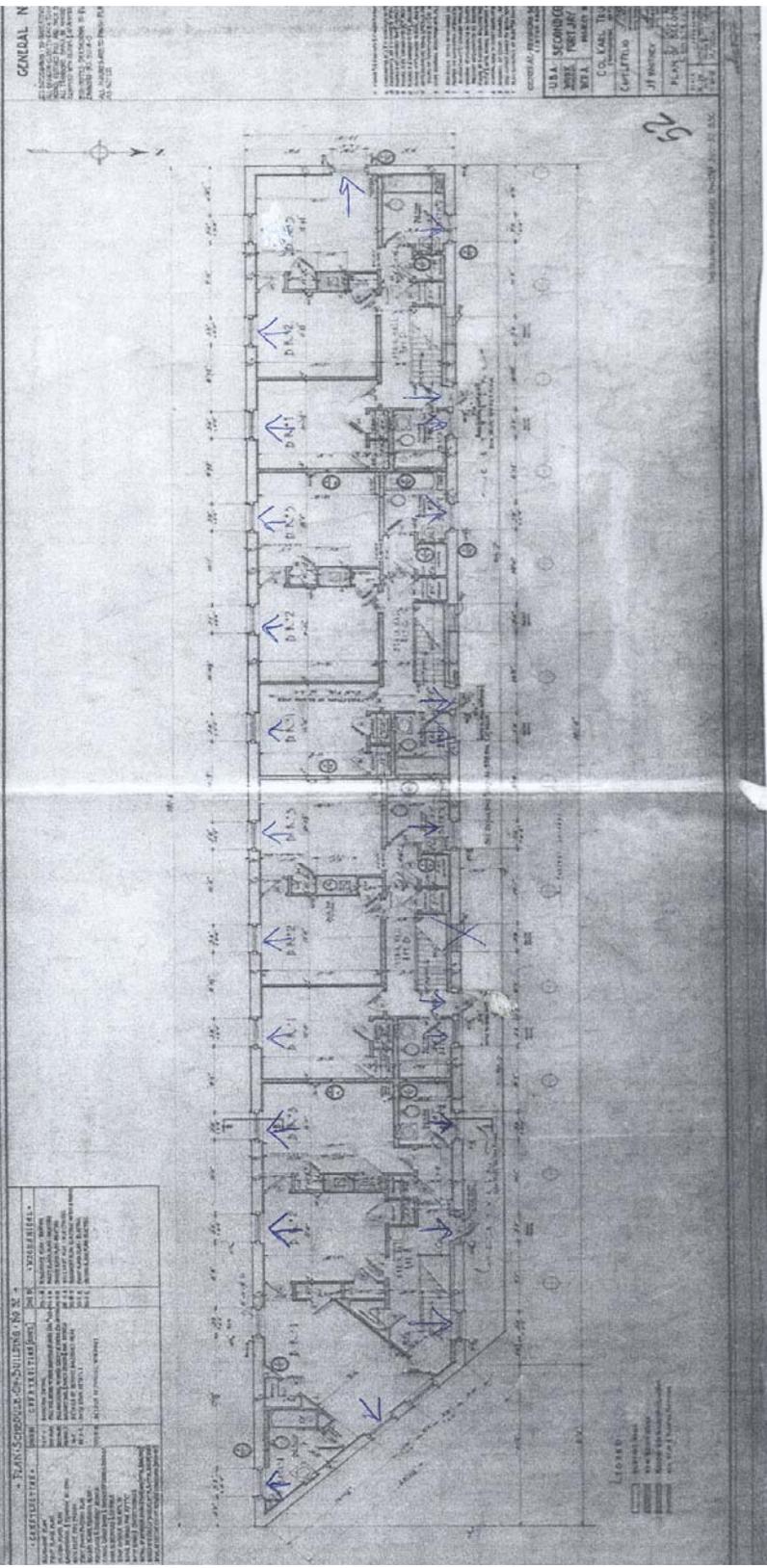
202D

202C



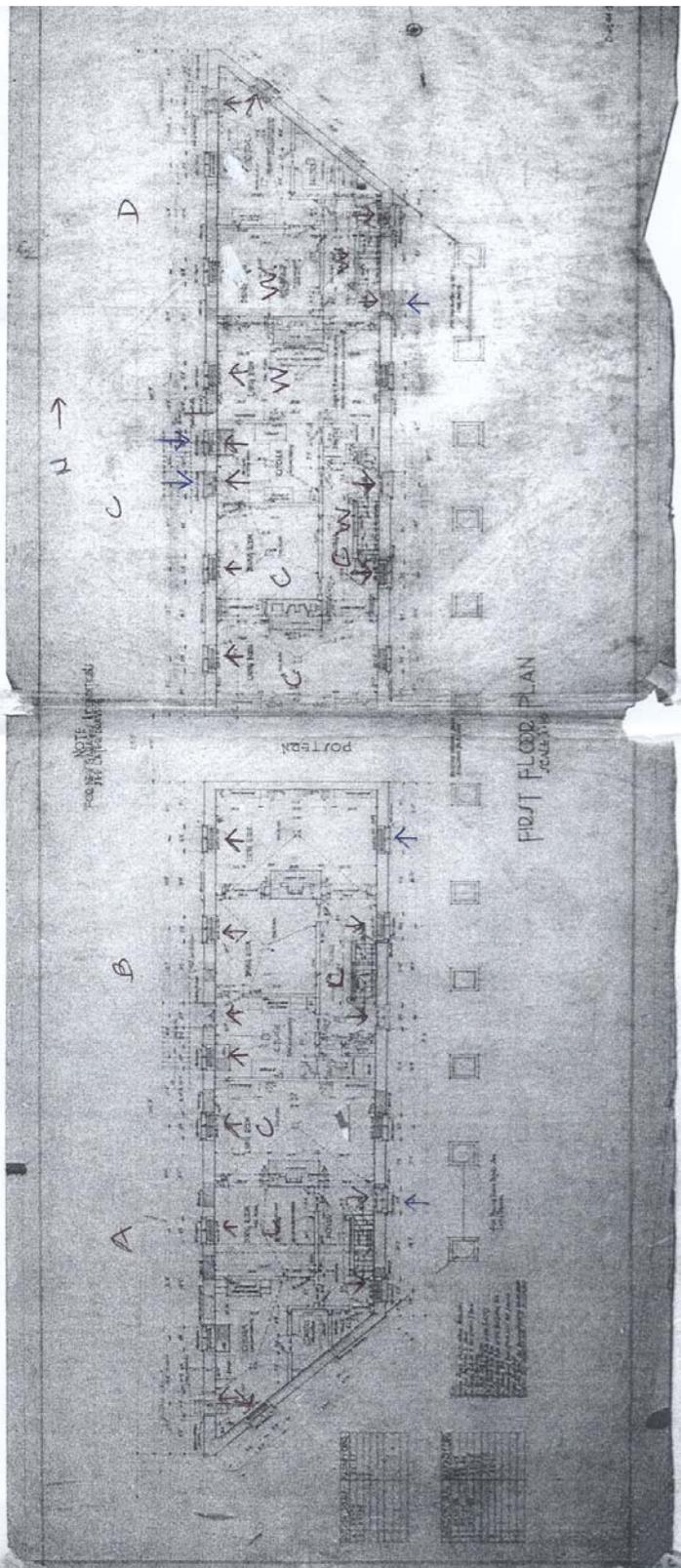
BLDA 206
2ND FLR
1937-38

206A | 206B | 206C | 206D



Revised 3/3/1938

BLDG 210
1st FLR
1937



BDY 210
2ND FLR
1937

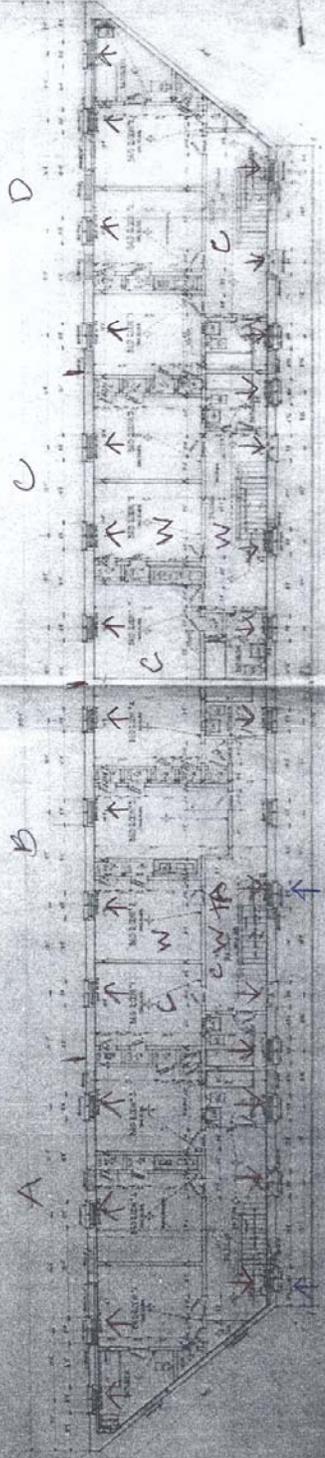
↗

D

C

B

A



SECOND FLOOR PLAN
JULY 1937

BUDY 214
1st FLR
c. 1930s

