SPRINGFIELD ARMORY
NATIONAL HISTORIC SITE
Springfield, Massachusetts

BUILDING 19
HISTORIC STRUCTURE REPORT
Volume II,

Illustrations and Appendices

DRAFT

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9. Springfield Armory, Hill and Watershops from Secretary of War Report, 1875. SPAR NHS Collections. (Photo Drawer 7, Maps D7.)


11. "Main Grounds of U.S. Springfield Armory, April 15, 1897. SPAR NHS Collections. (Drawer 1, Folder 4.)


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103. Interior framing for conical copper ventilator straddling the roof at bay 25/27.

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All of the following photographs are National Park Service (NPS) photographs taken by architectural conservators Carole L. Perrault and Judith A. Quinn during the course of the project. Negatives are currently stored in the collections of the BCB/CRC, Boston, Massachusetts.

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Figure 140. PW6, first story, east elevation, north bay.
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Figure 147. Loft, West Addition, queen post, bay 23.
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Figure 159. Second story, loft floor framing.
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Figure 161. Second story, loft floor framing, Long Storehouse II.
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Figure 169. First story, West Addition, detail of structural steel system, bay 14/16.
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Figure 195. First story, West Addition, bays 6 and 8 currently used by Building Trades Training Center.
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Figure 197. First story, PW4, north bay. Note substantial masonry crack.
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Figure 199. South elevation, detail, brick trauma at bays 86, 88 and 90.
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Figure 202. North elevation, Stables, detrimental vegetation.

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III. APPENDICES
APPENDIX A.

Treatments of Exterior Wall Openings
by Elevation and Bay Location
INTRODUCTION

General Comments: Appendix E, "Treatments of Exterior Wall Openings by Elevation and Bay Location," has been organized according to the shape of the openings and specific treatment types, as follows:

Type I. Semi-Circular Arches

A. Louvered Blinds; Fanlight
B. Solid Panels; Fanlight
C. Glazed Sash; Fanlight
D. Open Archway; No Infill
E. Recessed Brick Infill; Stretcher Bond
F. Recessed Brick Infill; (6) Stretcher to (1) Header Course
G. Recessed Brick Infill; (6) Stretcher to (1) Header/Stretcher Course
H. Recessed Brick Infill; (7) Stretcher to (1) Header Course
I. Recessed Brick Infill; (7) Stretcher to (1) Header/Stretcher; Fanlight
J. Recessed Brick Infill; (7) Stretcher to (1) Header Course; Freight-Elevator Door
K. Wood Garage Door; Fanlight
L. Wood Matchboard Sliding-Doors
M. Plywood Infill; Door and Vent
N. Stucco Infill; Double Door and Vent
O. Fire Door

Type II. Segmental Arches

A. Flush Brick Infill; (7) Stretcher to (1) Header/Stretcher
B. Recessed Brick Infill; Door
C. Glazed; Wood, Flush Frame
D. Glazed; Wood, Raised Frame; Mortised/Tenoned/Pegged (M/T/P)
E. Glazed; Wood, Modern Frame; Nailed
F. Glazed; Metal Sash
G. Louvered Blinds

Type III. Rectangular Openings

A. Wood and Brick Infill; Glazed Door
B. No Infill
C. Metal Corrugated Door
D. Vertical Wood-Plank Wall and Door

In the inventory that follows, the word or number flush with the left margin represents the bay. For each bay on the east elevation, the basement treatment is listed first followed by the first story and then the second story. For each bay on the west elevation, north elevation, and the south elevation, the first-story treatment is listed first followed by the second-story treatment.
* * *

West Elevation

South
- Brick Infill; Recessed; Type I-H.
- Glazed Sash; Fanlight; Batten Shutters; Type I-C.

Center
- Rectangular Opening; Wood and Brick Infill; Glazed Door; Type III-A.
- Louvered Blinds; Fanlight; Batten Shutters; Type I-A.

North
- Brick Infill; Recessed; Type I-E.
- Glazed Sash; Fanlight; Batten Shutters; Type I-C.

* * *

East Elevation

South
- Brick Infill; Flush; Type II-A.
- Brick Infill; Recessed; Fanlight; Type I-I.
- Glazed Sash; Fanlight; Batten Shutters; Type I-C.

Center
- Brick Infill; Recessed; Door; Type II-B.
- Brick Infill; Recessed; Fanlight; Type I-I.
- Glazed Sash; Fanlight; Batten Shutters; Type I-C.

North
- Brick Infill; Flush; Type II-A.
- Brick Infill; Recessed; Fanlight; Type I-I.
- Glazed Sash; Fanlight; Type I-C.

* * *

South Elevation

West Addition

2
- Brick Infill; Recessed; Vent; Type I-G.
  Glazed; Wood, Flush Frame; M/T/P; Batten Shutters; Type II-C.

4
- Brick Infill; Recessed; Vent; Type I-G.
  Glazed; Wood, Flush Frame; Nailed; Batten Shutters; Type II-C.

6
- Brick Infill; Recessed; Fixed Window; Vent; Type I-G.
  Glazed; Wood, Flush Frame; M/T/P; Batten Shutters; Type II-C.

8
- Brick Infill; Recessed; Fixed Window; Type I-G.
  Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

10
- Wood Garage Door; Fanlight; Type I-K.
  Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.
12 Wood Garage Door; Fanlight; **Type I-K.**
Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; **Type II-K.**

14 Louvered Blinds; Fanlight; **Type I-A.** (interior inaccessible)
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

16 Panelled Doors; Fanlight; **Type I-B.** (interior inaccessible)
Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; **Type II-K.**

18 Louvered Blinds; Fanlight; **Type I-A.** (interior inaccessible)
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

20 Louvered Blinds; Fanlight; **Type I-A.** (interior inaccessible)
Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; **Type II-K.**

22 Panelled Doors; Fanlight; **Type I-B.** (interior inaccessible)
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

24 Louvered Blind; Metal Door; Fanlight; **Type I-A.** (interior inaccessible)
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-K.**

26 Louvered Blinds; Fanlight; **Type I-A.** (interior inaccessible)
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

28 Panelled Doors; Fanlight; **Type I-B.** (interior inaccessible)
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-D.**

30 Brick Infill; Freight-Elevator Door; **Type I-J.** (interior inaccessible)
Glazed; Wood, Raised Frame; M/T/P; **Type II-D.**

32 Wood Matchboard, Sliding-Door; **Type I-L.**
Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; **Type II-E.**

34 Panelled Doors; Fanlight; Plywood Infill on Interior; **Type I-B.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

36 Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-E.**

**Long Storehouse II**

38 Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

40 Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

42 Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters (west removed); **Type II-E.**
44 Louvered Blinds; Fanlight; Batten Shutters; Type I-A.
   Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

46 Louvered Blinds; Fanlight; Batten Shutters; Type I-A.
   Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

48 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. (int. inaccessible)
   Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

50 Louvered Blinds; Fanlight; Batten Shutters; Type I-A.
   Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

52 Open Archway; Plywood and Metal Partition; Type I-D.
   Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

54 Open Archway; No Infill; Type I-D.
   Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

56 Open Archway; No Infill; Type I-D.
   Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

58 Open Archway; No Infill; Type I-D. (possible former fire door location)
   Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

60 Open Archway; No Infill; Type I-D.
   Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

62 Brick Infill; Freight-Elevator Door; Type I-J.
   Glazed; Wood, Raised Frame; M/T/P; Type II-D.

64 Open Archway; No Infill; Type I-D.
   Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

66 Open Archway; No Infill; Type I-D.
   Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

**Long Storehouse I**

68 Open Archway; No Infill; Type I-D.
   Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

70 Open Archway; No Infill; Type I-D.
   Glazed; Wood, Modern Raised Frame; Nailed; Type II-E.

72 Open Archway; No Infill; Type I-D.
   Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

74 Open Archway; No Infill; Type I-D.
   Glazed; Wood, Modern Raised Frame; Nailed; Type II-E.
76 Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

78 Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-E.**

80 Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

82 Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-D.**

84 Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-E.**

86 Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

88 Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-E.**

90 Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

92 Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-E.**

94 Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

96 Panelled Doors; Fanlight; **Type I-B.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Stables

98 Louvered Blinds; Fanlight; **Type I-A.**
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-E.**

100 Semi-Circular Arches Infilled and Replaced with Rectangular Opening; **Type III-B.**
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-E.**

102 Semi-Circular Arches Infilled and Replaced with Rectangular Opening; **Type III-B.**
Glazed; Wood, Modern Raised Frame; Nailed; **Type II-E.**

104 Semi-Circular Arches Infilled and Replaced with Rectangular Opening; **Type III-C.**
Glazed; Wood, Raised Frame; M/T/P; **Type II-D.**
106 Semi-Circular Arches Infilled and Replaced with Rectangular Opening; Type II-C.  
Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

108 Brick Infill; Fanlight; Type I-I.  
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

110 Brick Infill (reused brick); Door; Fanlight; Type I-I.  
Glazed; Wood, Modern Raised Frame; Nailed; Type II-E.

112 Semi-Circular Arches Infilled and Replaced with Rectangular Opening; Vertical Plank Wood Wall and Door Inset; Type III-D.  
Glazed; Wood, Raised Frame; M/T/P; Type II-D.

114 Semi-Circular Arches Infilled and Replaced with Rectangular Opening; Vertical Plank Wood Wall and Door Inset; Type III-D.  
Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

116 Brick Infill (reused brick); Fanlight; Type I-I.  
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

* * *

North Elevation

West Addition

Bays

1 Brick Infill; Recessed; Type I-F.  (interior inaccessible)  
Glazed; Wood, Flush Frame; M/T/P; Batten Shutters; Type II-C.

3 Brick Infill; Recessed; Type I-F.  (interior inaccessible)  
Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

5 Brick Infill; Recessed; Type I-F.  (interior inaccessible)  
Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

7 Brick Infill; Recessed; Type I-F.  
Louvered Blinds; Batten Shutters; Type II-G.

9 Brick Infill; Recessed; Window; Vent; Type I-F.  
Louvered Blinds; Batten Shutters; Type II-G.

11 Plywood Infill; Wood Door and Frame; Vent; Type I-M.  
Louvered Blinds; Batten Shutters; Type II-G.

13 Louvered Blinds; Fanlight; Type I-A.  (interior inaccessible)  
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.
15 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Louvered Blinds; Batten Shutters; Type II-G.

17 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

19 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Louvered Blinds; Batten Shutters; Type II-G.

21 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

23 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Louvered Blinds; Batten Shutters; Type II-G.

25 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

27 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Louvered Blinds; Batten Shutters; Type II-G.

29 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

31 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Louvered Blinds; Batten Shutters; Type II-G.

33 Louvered Blinds; Fanlight; Type I-A. (interior inaccessible) Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

35 Panelled Doors; Fanlight; Type I-B. (interior inaccessible) Louvered Blinds; Batten Shutters; Type II-G.

Long Storehouse II

37 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

39 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

41 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Louvered Blinds; Batten Shutters; Type II-G.

43 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

45 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Louvered Blinds; Batten Shutters; Type II-G.
Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.** (int. inaccessible)
Louvered Blinds; Batten Shutters; **Type II-G.**

Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Louvered Blinds; Fanlight; Batten Shutters (west removed); **Type I-A.**
Louvered Blinds; Batten Shutters; **Type II-G.**

Louvered Blinds; Fanlight; Batten Shutters (west removed); **Type I-A.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Fire Door; **Type I-O.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Louvered Blinds; Fanlight; Batten Shutters (east removed); **Type I-A.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Louvered Blinds; Fanlight; **Type I-A.**
Louvered Blinds; Batten Shutters; **Type II-G.**

Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Long Storehouse I

Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Open Archway; No Infill; **Type I-D.**
Louvered Blinds; Batten Shutters; **Type II-G.**

Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Open Archway; No Infill; **Type I-D.**
Glazed; Wood, Raised Frame; M/T/P; **Type II-D.**

Louvered Blinds; Fanlight; **Type I-A.**
Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; **Type II-D.**

Louvered Blinds; Fanlight; Batten Shutters; **Type I-A.**
Louvered Blinds; Batten Shutters; **Type II-G.**
79 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

81 Stucco Infill with Double Metal Doors; Type I-N. (int. inaccessible) Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

83 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Glazed; Wood; Modern Raised Frame; Nailed; Type II-E.

85 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

87 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

89 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. Glazed; Wood, Raised Frame; M/T/P; Batten Shutters (west removed); Type II-D.

91 Louvered Blinds; Fanlight; Batten Shutters (west removed); Type I-A. Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

93 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. (int. inaccessible) Glazed; Wood, Raised Frame; M/T/P; Type II-D.

95 Louvered Blinds; Fanlight; Batten Shutters; Type I-A. (int. inaccessible) Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.

Stables

97 Freight-Elevator Door; Brick Infill; Type I-J. Glazed; Metal Sash; Type II-F.

99 Semi-Circular Arches removed for Bays 99/101 and replaced with Rectangular Opening; Type III-B. Glazed; Wood, Modern Raised Frame; Nailed; Type II-E.

101 Semi-Circular Arches removed for Bays 99/101 and replaced with Rectangular Opening; Type III-B. Glazed; Wood, Modern Raised Frame; Nailed; Type II-E.

103 Brick Infill; Fanlight; Type I-I. Glazed; Wood, Raised Frame; M/T/P; Type II-D.

105 Brick Infill; Fanlight; Type I-I. Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

107 Brick Infill; Fanlight; Type I-I. Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.
109 Brick Infill (reused brick); Window; Fanlight; Type I-I.
       Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

111 Brick Infill (reused brick); Door; Fanlight; Type I-I.
       Glazed; Wood, Raised Frame; M/T/P; Type II-D.

113 Brick Infill (reused brick); Fanlight; Type I-I.
       Glazed; Wood, Modern Raised Frame; Nailed; Batten Shutters; Type II-E.

115 Brick Infill (reused brick); Fanlight; Type I-I.
       Glazed; Wood, Raised Frame; M/T/P; Batten Shutters; Type II-D.
APPENDIX B.

Inventory of Exterior Wall Openings
by Treatment Type
INTRODUCTION

I. Semi-Circular Arches

A. Louvered Blinds; Fanlight
   West Elevation, Second Story
   - center bay
   South Elevation, First Story
   - bays 14, 18, 20, 24 (with metal door), 26, 36, 38, 40, 42, 44, 46, 48, 50, 82, 98
   North Elevation, First Story
   - bays 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 61, 63, 65, 75, 77, 79, 83, 85, 87, 89, 91, 93, 95

B. Solid Panels; Fanlight
   South Elevation, First Story
   - bays 16, 22, 28, 34 (plywood interior), 96
   North Elevation, First Story
   - bay 35

C. Glazed Sash; Fanlight
   West Elevation, Second Story
   - south, north bays
   East Elevation, Second Story
   - south, center, north bays

D. Open Archway; No Infill
   South Elevation, First Story
   - bays 52 (with plywood; metal partition - horses stall), 54, 56, 58, 60, 64, 66, 68, 70, 72, 74, 76, 78, 80, 84, 86, 88, 90, 92, 94
   North Elevation, First Story
   - bays 67, 69, 71, 73

E. Recessed Brick Infill; Stretcher Bond
   West Elevation, First Story
   - north bay

F. Recessed Brick Infill; (6) Stretcher to (1) Header Course
   North Elevation, First Story
   - bays 1, 3, 5, 7, 9 (with window, vent)

G. Recessed Brick Infill; (5) Stretcher to (1) Header/Stretcher Course
   South Elevation, First Story
   - bays 2 (with vent), 4 (with vent), 6 (with window and vent), 8 (with window)
H. Recessed Brick Infill; (7) Stretcher to (1) Header Course
West Elevation, First Story
- south bay

I. Recessed Brick Infill; (7) Stretcher to (1) Header/Stretcher; Fanlight
East Elevation, First Story
- south, center, north bays
South Elevation
- bays 108 (new brick), 110 (with door; reused brick), 116 (reused brick)
North Elevation
- bays 103 (new brick), 105 (new brick), 107 (new brick), 109 (reused brick; with window), 111 (reused brick, with door), 113 (reused brick), 115 (reused brick)

J. Recessed Brick Infill; (7) Stretcher to (1) Header Course; Freight Elevator Door
South Elevation
- bays 30, 62
North Elevation
- bay 97

K. Wood Garage Door; Fanlight
South Elevation
- bays 10, 12

L. Wood Matchboard Siding-Door
South Elevation
- bay 32

M. Plywood Infill; Door and Vent
North Elevation
- bay 11

N. Stucco Infill; Double Door and Vent
North Elevation
- bay 81

O. Fire Door (not accessible from exterior)
North Elevation
- bay 59
II. Segmental Arches

A. Flush Brick Infill; (7) Stretcher to (1) Header/Stretcher
   East Elevation, Basement
   - south and north bays

B. Recessed Brick Infill; Door
   East Elevation, Basement
   - center bay

C. Glazed; Wood, Flush Frame
   South Elevation, Second Story
   - bay 2 (m/t/p), 4 (nailed), 6 (m/t/p)
   North Elevation, Second Story
   - bay 1 (m/t/p)

D. Glazed; Wood, Raised Frame; Mortised, Tenoned, and Pegged
   South Elevation, Second Story
   - bays 10, 14, 18, 22, 26, 30, 34, 38, 40, 44, 48, 52, 54, 58, 62, 66, 68, 72, 76, 80, 82, 86, 90, 94, 96, 104, 108, 112, 116
   North Elevation, Second Story
   - bays 13, 17, 21, 25, 29, 33, 37, 39, 43, 47, 51, 53, 57, 59, 61, 65, 67, 71, 73, 75, 79, 81, 85, 89, 93, 95, 99, 103, 111, 115

E. Glazed; Wood, Modern Raised Frame; Nailed
   South Elevation, Second Story
   - bays 4, 8, 12, 16, 20, 24, 28, 32, 36, 42, 46, 50, 56, 60, 64, 70, 74, 78, 84, 88, 92, 98, 100, 102, 106, 110, 114
   North Elevation, Second Story
   - bays 3, 5, 83, 87, 91, 101, 105, 107, 109, 113

F. Glazed; Metal Sash
   North Elevation
   - bay 97

G. Louvered Blinds
   North Elevation, Second Story
   - bays 7, 9, 11, 15, 19, 23, 27, 31, 35, 41, 45, 49, 55, 63, 69, 77
III. Rectangular Openings

A. **Wood and Brick Infill; Glazed Door**
   West Elevation, First Story
   - center bay

B. **No Infill**
   South Elevation, First Story
   - bays 100/102
   North Elevation, First Story
   - bays 99/101

C. **Metal Corrugated Door**
   South Elevation, First Story
   - bays 104/106

D. **Vertical Wood-Plank Wall and Door**
   South Elevation, First Story
   - bays 112/114
I. Semi-Circular Arches
Treatment Type I-A. South elevation, first story, bays 40 - 50. Louvered blinds with fanlights.

Treatment Type I-A. South elevation, first story, bay 40. Louvered blinds with fanlight.
## I-A. Louvered Blinds; Fanlight

### Location:

- **West Elevation, Loft Story**
  - center bay
- **South Elevation, First Story**
  - bays 14, 18, 20, 24 (with metal door), 26, 36, 38, 40, 42, 44, 46, 48, 50, 82, 98
- **North Elevation, First Story**
  - bays 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 61, 63, 65, 75, 77, 79, 83, 85, 87, 89, 91, 93, 95

### General:

Louvered blinds are found in fifty-one openings, as noted above. The blinds are set in the typical semi-circularly arched wood frame and feature a typical fanlight and brace system. Folding batten-shutters remain in some openings. The typical louvered-blind treatment is described in detail in Appendix C, "Louvered Blind, Solid Panel, and Sash Treatments."

### Variations:

Only one variation is apparent in the louvered blinds. It is at bay 24 where a metal Kalamein door has replaced the west side of the louvered blinds. The door sits in a metal frame and wood jamb.
Treatment Type I-B. South elevation, first story, bay 96. Solid panels and fanlight.
I-B. **Solid Panels; Fanlight**

**Location:**
- South Elevation, First Story
  - bays 16, 22, 28, 34, 96
- North Elevation, First Story
  - bay 35

**General:**
Solid panels refer to those openings in which the semi-circular arch frame is filled with solid wood panels. This treatment makes the opening appear as though it is filled with double four-panelled doors. It seems, however, that many of the openings treated in this manner were non-operable, and thus, not true doors. This treatment type is found in six openings, as noted above. The solid panels are set in the typical semi-circular arch wood frame and feature a typical fanlight and brace system. Folding batten-shutters remain in some openings. A detailed description of the solid panel treatment is described in detail in Appendix C, "Louvered Blind, Solid Panel, and Sash Treatments."
Treatment Type I-C. West elevation, second story, south bay. Glazed sash.
I-C. Glazed Sash; Fanlight

Location:  
- West Elevation, Second Story  
  - south, north bays  
- East Elevation, Second Story  
  - south, center, north bays

General:  
Fixed-sash windows of this type are found on only the second story, west and east elevations in five bays. The sash is set in the typical semi-circular arch wood frame and exhibits the typical fanlight and brace system. See Appendix C, "Louvered Blind, Solid Panel, and Sash Treatments," for a detailed description of the sash.
Treatment Type I-D. South elevation, first story, bays 84, 86, and 88.

Treatment I-D. South elevation, first story, bay 52. (Plywood and metal partition from former horse stall.)
I-D. *Open Archway; No Infill*

**Location:**

*South Elevation, First Story*
- bays 52 (with plywood; metal partition - horses stall), 54, 56, 58, 60, 64, 66, 68, 70, 72, 74, 76, 78, 80, 84, 86, 88, 90, 92, 94

*North Elevation, First Story*
- bays 67, 69, 71, 73

**General:**
All of these openings (twenty-four in total) are currently devoid of any infill.
Treatment Type I-E. West elevation, first story, north bay. Recessed brick infill; stretcher bond.
I-E. **Recessed Brick Infill; Stretcher Bond**

**Location:** West Elevation, First Story
- north bay

**Brick Bond:** Infill
- stretcher (orange colored brick)

**Brick Dimensions:** Infill
- length - 8"
- height - 2-1/4"
- depth - 3-3/8" to 3-1/2"

**Design:** The brick infill is recessed for 4" from the wall surface. It overlaps the sandstone water-table at the wall base by approximately 1". The infill is caulked at the seam of the arch with caulking compound. Only one opening is treated in this manner.
Treatment Type I-F. North elevation, first story, bays 1, 3, 5, 7, and 9. Recessed brick infill; (6) stretcher to (1) header course.

Treatment Type I-F. North elevation, first story, bay 1. Recessed brick infill.
I-F. **Recessed Brick Infill: (6) Stretcher to (1) Header Course**

**Location:**

North Elevation, First Story  
- bays 1, 3, 5, 7, 9 (with window, vent)

**Brick Coursing:**

Infill  
(6) stretcher to (1) header course

**Brick Dimensions:**

Infill  
- length - 7-3/4" to 8"  
- height - 2-1/8" to 2-1/4"  
- depth - 3-1/4"

**Design:**

Five, first-story semi-circular arches are of this type. The entire archway is filled with brick. The brick is recessed from the wall plane by 4". It sits on a sandstone water-table. The water table is exposed for approximately 10-1/2" from the ground level. The seam between the arch and infill is caulked with a caulking compound. At bay 7, two 5/8" diameter drain pipes penetrate the lower brick course, and at bay 9, three drain pipes are extant. The lower courses of the other bays are not visible.

**Bay 9:**

This bay varies from the others in that it is finished with a vent and window.

**Vent:** The upper west corner of the arch infill features a 3-louvered metal vent, square in shape.

**Window:** The window is located against the east jamb of the arch, two courses below the impost. It is 4'1-1/2" high x 2'9" wide and is filled with twenty-four panes of structural glass. The window sill is constructed of concrete and the lintel features copper flashing.
Treatment Type I-G. South elevation, first story, bays 2 and 4. Recessed brick infill with vents; (5) stretchers to (1) header/stretcher course.

Treatment Type I-G. South elevation, first story, bays 6 and 8. Recessed brick infill with windows.
I-G. Recessed Brick Infill; (5) Stretcher to (1) Header/Stretcher Course

Location: South Elevation
- bays 2 (with vent), 4 (with vent), 6 (with window and vent), 8 (with window)

Brick Coursing: Infill
(5) stretcher to (1) header/stretcher course; bricks in bays 2-4 are browner in color while those in bays 6-8 are more orange in color

Brick Dimensions: Infill
- length - 7-3/4" to 8"
- height - 2-1/8"
- depth - 3-3/8" to 3-1/2"

Design: The archway is filled with brick. The infill is recessed for 8-1/4" from the wall plane. It sits on a sandstone water-table. The water table is exposed for approximately 8" from the ground level. The seam of the infill and arch is caulked with mortar in bays 2 and 4, while that of bays 6 and 8 is caulked with a caulking compound.

Vents: Rectangular Vents in Bays 2 and 4: These vents are 3-1/2 courses high x 2 brick lengths long and are screened with wire mesh. The vent at bay 2 is located twelve courses below arch, slightly off-center towards the east. The vent at bay 4 is at the same course level, however, it is closer to the west jamb of the archway.

Exhaust Vent in Bays 6: Located above the upper, west corner of the window, it is eight courses of brick high by 2-1/2" brick lengths wide. It is composed of a metal frame and four metal louvers.

Windows: A window is approximately centered below the impost in bays 6 and 8. The windows are 4'1" high x 5' wide and exhibit fixed sash of nine lights each. The sash and lintel are of metal while the sill is of concrete. The concrete sill is 5" high and features a sloped upper edge.
Treatment Type I-II. West elevation, first story, south bay. Recessed brick infill; (7) stretcher to (1) header course.
III-A. Wood and Brick Infill; Glazed Door

Location: West Elevation, First Story — center bay

General:

Semi-Circular Arch: Evidence for the semi-circular arch is gone. A rectangular opening has been introduced in its place. The infill consists of flush brick keyed into the wall brick.

Rectangular Opening: The opening is currently 11'3" high x 11' wide. The lintel consists of two metal plates and brick, from west to east: metal; exposed brick; metal; exposed brick.

Doors: Double doors are situated in the center of the opening. They are recessed for 1'8". The doors are Kalamaiin, glazed with plate glass, one panel each side and a transom of glass overhead. An aluminum threshold is set on a concrete sill.

Wall: A brick wainscot of modern, brown brick is extant on either side of the double doors. The infill consists of (7) stretcher courses to (1) header/stretcher course. Modern wood clapboards are secured above the wainscot and are composed in a wood frame. Bumper guards consisting of metal angle plates are fastened at either side of the opening. They are 13" x 13" wide and 4'6" high.

Canopy: A wood semi-circular canopy is installed over the doors in the opening. The canopy is set on brackets.

Lighting: Two wall-fixtures are placed at either side of the double doors on the clapboards.
Treatment Type III-B. South elevation, first story, bays 100/102, vehicular passageway.

Treatment Type III-B. North elevation, first story, bays 99/101, vehicular passageway.
III-B. No Infill

Location:

South Elevation, First Story
- bays 100-102

North Elevation, First Story
- bays 99-101

General:

The two original semi-circular arches for bays 100-102 and 99-101 were altered to accommodate one rectangular opening. The evidence for the arches is still visible on the interior.

Bays 100-102: At bay 100 the semi-circular arch is filled partially with flush brick. The opening begins at the middle of bay 100 and stretches to the east side of bay 102. It is 11'7" high x 16' wide. The west jamb appears to have all new brick with no patching or keying is evident. The east jamb features three keys and its seams are in a deteriorated state. The lintel is metal and extends beyond the jambs of the opening. The interior dimension is 2'4-3/4" high. The interior side is bolted to brick with six square-bolts and the underneath side with rivets of fifteen rows of three. Metal angle-plates serve as bumper guards at each corner of the opening. They are 13" wide at the exterior and jambs and 4'5" high.

Bays 99-101: At bay 99 the semi-circular arch is filled partially with flush brick (6'6" to rectangular opening). The arch is without imposts. The evidence of the semi-circular arch is completely gone at bay 101. The opening begins on the west side of bay 101 and extends to the midpoint of bay 99. It is 11'6" high x 15'5" wide. The west jamb is 2'4" thick, consisting of all new brick. The east jamb is 2'4" thick and is composed of the old facing brick on the exterior and new brick on the interior. The lintel is of metal and extends beyond the jambs of the opening. It is composed of interior and exterior metal angle-beams. The interior is bolted to brick with six square-bolts and underneath side with rivets fifteen rows of three. Bumper guards are not extant at this opening.
Treatment Type III-C. South elevation, first story, bays 104/106. Metal corrugated door.

Treatment Type III-C. Bays 104/106 with metal corrugated door open revealing interior garage.
III-C. Metal Corrugated Door

Location: South Elevation, First Story
- bays 104-106

General: Semi-Circular Archway Treatment: The two semi-circular arches at bays 104 and 106 have been removed and one rectangular opening introduced.

Rectangular Opening: The opening is 11'9" high x 16' wide and is centered on bays 104 and 106. The lintel consists of a metal plate extending the width of the opening and secured with rivets fifteen rows of three. Bumper guards are fixed at the east and west corners of the opening. They are 5' high x 6" wide (exterior) x 4" wide (interior).

Door: A metal, corrugated, door is recessed 2'5" from the wall plane. The door rolls upward on pulley tracks mounted on the east and west sides of the opening, floor to lintel in height. The door is operable and installed on the interior wall. A hood encases the rolled door at the lintel. A pulley chain is located on the west side with a motor to its west. The pulley motor is welded to a metal plate in the floor. The threshold consists of concrete with asphalt aggregate.
Treatment Type III-D. South elevation, first story, bays 112/114. Vertical wood-plank wall and door.
III-D. Vertical Wood-Plank Wall and Door

Location: South Elevation, First Story
- bays 112-114

General: Semi-Circular Archway Treatment: New brickwork was introduced disguising any evidence of the semi-circular arches on the exterior. A fragment of bay 114's semi-circular arch is visible on the interior east side of the arch and jamb.

Rectangular Opening: The opening is 11'3" high x 16' wide. The rectangular opening is centered on the bays. The brick infill consists of American bond of (7) stretcher courses to (1) header course, with variations. The interior is covered with interior wall finishes. The exterior includes a vertical plank wall and plank door inset at the west end. The wall features vertical boards, 7-1/2" wide, tongue and grooved, with two battens. The upper batten stretches across the opening at two-thirds the way up from the ground level. The lower only extends 5'6" across the opening from the east end is 8" below the upper. At the center of the wall is a plank which extends vertically to the ground. A 1" square weatherstrip is nailed to the lintel. Nailed on the wall, west of the door is a "No Parking" sign. Bumper guards are fastened at the east and west sides of the opening. Consisting of angle bars 5' high x 6" wide at the exterior and jambs.

Door: The wood plank door is recessed 2'1/2" from the wall plane. It is 6'8" high x 2'11" wide. It features wood trim. The threshold is concrete and aluminum.
APPENDIX C.

Description of Typical Louvered Blind, Solid Panel, and Sash Treatments.
INTRODUCTION

General Comments: The original treatment for semi-circular arches included either louvered blinds, solid panels, or sash. The original treatment for segmental arches consisted of either louvered blinds or sash. All arches received folding batten-shutters.

I. Semi-Circular Arches

A. Frame
B. Fanlight
C. Brace System: Toeboard, Lintel, Jamb Boards, Intrados Board
D. Solid Panels
E. Louvered Blinds
F. Sash
G. Folding Batten-Shutters
   Inventory of Batten Shutters for Semi-Circular Arches
H. Threshold
I. Finishes

II. Segmental Arches

A. Frame
   Inventory of Frame Types for Segmental Arches
B. Sash
C. Louvered Blinds
   Inventory of Glazed and Louvered-Blind Treatments for Segmental Arches
D. Folding Batten-Shutters
   Inventory of Batten Shutters for Segmental Arches
E. Finishes
I-H. **Recessed Brick Infill; (7) Stretcher to (1) Header Course**

**Location:**  
West Elevation, First Story  
- south bay

**Brick Coursing:**  
Infill  
(7) stretcher to (1) header course

**Brick Dimensions:**  
Infill  
length - 7-1/2" to 8"  
width - 2-1/8"  
deepth - 3-1/2"

**Design:**  
The brick infill is recessed 8" from the wall plane. The seam of arch and infill is caulked with caulking compound. The infill sits on a sandstone water-table. Mounted in the center of the arch are two fire Gamewell boxes - a red box stamped with "#66, Fire Alarm Station, "The Gamewell Co., Newton, MA"; and a blue box stamped with "Gamewell - The Gamewell Co., Newton, MA."
Treatment Type I-I. East elevation, second story, south bay. Recessed brick infill; (7) stretcher to (1) header/stretcher course; fanlight.

Treatment Type I-I. South elevation, first story, bay 108 (new brick), bay 110 (reused brick).
I-I. **Recessed Brick Infill; (7) Stretcher to (1) Header/Stretcher; Fanlight**

**Location:** All of this archway type are located in the Stables.

**East Elevation, Second Story**
- south, center, north bays

**South Elevation**
- bays 108 (new brick), 110 (with door; reused brick), 116 (reused brick)

**North Elevation**
- bays 103 (new brick), 105 (new brick), 107 (new brick), 109 (reused brick, with window), 111 (reused brick, with door), 113 (reused brick), 115 (reused brick)

**Brick Coursing:**

**Infill**
(7) stretcher to (1) header course

**Brick Dimensions:**

**New Brick Infill**
- length - 7-1/2" to 8-1/2"
- height - 2" to 2-1/4"
- depth - 3-1/4" to 3-3/8"

**Reused Brick Infill**
- length - 7-1/2" to 7-3/4"
- height - 2-1/4"
- depth - 3-1/2"

**General:**
The lower frame and solid panels or louvered blinds (including shutters, etc.) have been removed, while the fanlight remains intact. The void (from impost to water table) has been filled with brick. The infill is recessed for 8", except for the upper course which is recessed for 7". The uppermost course of the infill is raised from the lower wall plane by 1". The fanlight's lower rail butts the infill. There are variations to this treatment at bays 109, 110, and 111, described below. Through the infill of bay 108, three pipes travel. The arch and infill seams are caulked with mortar throughout.

**Bay 109:**

This bay features a window opening and an exhaust-vent pipe

**Window:** Located several courses below the shelf course of the fanlight, a window is recessed. The opening is 2'-7-1/2" high x 3'-7-1/2" wide. A 3-1/4" wide wood frame set in concrete holds a fixed 6-light window during the winter. In the summer, the window is removed and an air conditioner is set in plywood in the opening.
Treatment Type I-I. North elevation, bays 105 - 115.

Treatment Type I-I. North elevation, bay 103.
Bay 110:

A door has been introduced into this bay at the west side of the infill. The wood door consists of five vertical boards nailed with wire nails. The header lintel does not stretch completely across the opening. A sign has been attached at the upper east corner of the door—"Tow Away Zone * STCC Trucks Only."

Bay 111:

A wood door occupies the east half of the infill. The door, including frame, is 6'7" high x 2'8" wide. The frame is 1-3/4" wide x 4" deep on the exterior and 1-1/4" wide on the interior. The door features three panels in the lower half of the door, raised on the interior, recessed on the exterior; four lights above of frosted glass; a metal threshold; and three 5-knuckle ball butt-hinges (modern hardware). The door sits on the sandstone water-table.
Treatment Type I-J. South elevation, bay 30, elevator loading platform.

Treatment Type I-J. South elevation, bay 62, elevator loading platform.
Recessed Brick Infill; (7) Stretcher to (1) Header Course; Freight-Elevator Door

Location:
- South Elevation
  - bays 30, 62
- North Elevation
  - bay 97

Brick Coursing:
- Bay 30: (7) stretcher to (1) header course
- Bays 62, 97: (7) stretcher to (1) header/stretcher course

Brick Dimensions:
- Infill
  - length - 7-1/2" to 8"
  - height - 2-1/4" to 2-3/8"
  - depth - 3-3/4"

General:
Each archway is filled with brick and a freight-elevator door. In addition, on the exterior a concrete loading platform stretches across the bay. Each elevator opening features a similar metal door frame and threshold.

Bay 30: The elevator door opening is 7'5" high x 6'2" wide. The brick infill is recessed 15" from the wall plane and the elevator door is recessed 12" from the infill plane.

Bay 62: The elevator door opening is 7'6" high x 6'2" wide. The brick infill is recessed 16" from the wall plane and the elevator door is recessed 12" from the infill plane.

Bay 97: The elevator door opening is 7'6" high x 6'2" wide. The brick infill is recessed for 16" from the wall plane and the elevator door is recessed 12" from the infill plane. A "No Parking Loading Zone" sign mounted on the door. The infill is pointed in a different manner from that in the other elevator bays.

Elevator Doors:
Similar elevator doors are found at each of the respective bays. The doors were manufactured by the St. Louis Fire Door Co., as stamped on each door. The doors feature six panels (3 over 3). All are solid with the exception of one vision panel with two lights. The position for this vision panel varies somewhat between doors. At bay 30, it is located in the upper west panel. At bays 62 and 97, it is located in the upper east panel. The hardware varies between the doors.
Treatment Type I-J. North elevation, bay 97, elevator loading platform.
Concrete Loading Platforms:

The design of the concrete loading platforms varies slightly from elevator-to-elevator. They are all supported by piers in the front of the platform and tied into the wall at the rear of the platform.

**Bay 30:** This platform is 3'10" high x 3'6" wide (to wall plane) x 17" long. It features four concrete piers (10" square). The platform has 3" metal angle iron bar at its upper edge (bumper guard).

**Bay 62:** This platform is 4' high x 2' wide (to wall plane) x 11'11" long. It features three concrete piers (10" square). A 10" high iron channel-plate is secured on the outside edge of the platform.

**Bay 97:** This platform is 3'7" high x 4'1/2" wide (to wall plane) x 12'6" long and is constructed of concrete with asphalt aggregate. The platform consists of three concrete piers (10" square). A metal angle bar, 3" high, is fastened on the outside edge of the platform. A six rung ladder is secured to the east side of the platform.
Treatment Type I-K. South elevation, bays 10 and 12.
I-K. Wood Garage Door; Fanlight

Location: South Elevation
         bays 10, 12

General: The archway consists of a wood garage door, surmounted by a fanlight. The garage door is set in a wood frame. The fanlight design is typical. The door appears to have been manufactured by the Daniele Door Co., Wilbraham, Massachusetts.

Door Frame: The door is surrounded by a wood, box frame. The frame is 6-1/2" wide at the sides; 1/2" wide at the lintel.

Garage Door: The wood garage door is 7'1/2" high x 8' wide. The door is recessed 8" from the frame. The door sits on the sandstone water-table (approximately 7" from the ground level) and abuts the second upper rows of louvers (formerly the archway featured louvered blinds).

The design is identical for both doors; it consists of the following: four horizontal rows; each row consist of six panels, defined by battens; the second upper row is glazed; the other panels are solid wood; the bottom row of panels of bay 10's door is covered with 1/2" plywood (2' high x 7'10" long), unpainted; the lower row of panels on bay 12's door is covered by a sheet of 3/4" plywood on the left and a sheet of particle board on the right.

Hardware: Both garage doors feature a Winfield knob/latch and a Russwin lock. Bay 12 features a grasp handle, while it is missing at bay 10.

Finishes: The garage doors, frame, and fanlight are painted white.
Treatment Type I-L. South elevation, bay 32, matchboard sliding-door, exterior.

Treatment Type I-L. South elevation, bay 32. Matchboard sliding-door, interior.
Location: South Elevation bay 32

General: The archway is filled with a sliding, wood matchboard door. The archway is open. The door is hung on the interior wall (recessed 2'4" from the exterior wall plane). The door sits on a concrete sill and sandstone water-table. A "No Parking Loading Zone" sign is mounted in the center of the door.

Matchboard Construction: The door is 13'7" high x 10'4" wide x 2-1/2" thick.

Matchboard panels: The matchboards are vertically laid in panels of two. The two panels are 5" wide and the door is constructed of wire nails.

Battens: Two metal battens are extant. The first is 9" from the ground level, while the upper is 3'7-1/2" from the ground level. The battens are 1" wide, secured to the panels with screws.

Hardware: A sliding door-pull and a hasp plate is extant on the west side.

Finishes: The door is painted dark brown.
Treatment Type I-M. North elevation, first story, bay 11. Plywood infill, door and vent.
I-M. Plywood Infill; Door and Vent

Location: North Elevation
bay 11 (wood door and frame; vent)

Design: Plywood fills the archway. It is secured with wire nails. The infill is recessed 8" from the wall plane. The seam of the arch and infill is caulked with caulking compound.

Door: The wood door is located on the east side of the archway. The door opening is 6'6-1/2" high x 2'11-1/2" wide. It features a wood door frame and an aluminum threshold.

Vent: A square vent is extant at the upper east corner of the archway. The metal vent consists of two louvers.

Iron Pipe: An iron pipe is situated at the west side of the upper arch. It crosses between Building 19 and 32.

Finishes: The plywood infill, door and frame are painted white.
Treatment Type I-N. North elevation, first story, bay 81. Stucco infill, double door and vent.
I-N. Stucco Infill; Double Door and Vent

Location: North Elevation
bay 81

General: This opening is filled with a stucco-like material. The infill is recessed 13" from the wall plane.

Double Doors: The doors are approximately centered in the archway. The doors are collectively 6" wide, rising to the height of the arches impost. A metal door frame, 2" wide, surrounds the door on three sides. An aluminum threshold, secured to the sandstone water-table, serves the doors.

Vent: A metal vent is centered over the double doors. The vent consists of five louvers.

Finishes: The wall is finished in white paint, while the door is painted blue-grey.
I-0. **Fire Door**  (Illustrated in Appendix E, "Fire-door Inventory")

**Location:**  
North Elevation  
bay 59

**General:**  
The fire door is not visible from the outside. It is located within the passageway between Building 19 and Building 32. The side of the fire door extant within the passageway was not accessible during this survey. The details of construction for the fire door are included in the "Fire Door Inventory", see Appendix E.
II. Segmental Arches
Treatment Type II-A. East elevation, basement, south bay (with window, vent).

Treatment Type II-A. East elevation, basement, north bay.
II-A. **Flush Brick Infill; (7) Stretcher to (1) Header/Stretcher**

**Location:**  
East Elevation, Basement  
- south (with window, vent) and north bays

**Brick Coursing:**  
Infill  
(7) stretcher to (1) header/stretcher course

**Brick Dimensions:**  
Infill - modern brick  
length - random between 6-3/4" to 8"  
height - 2-1/4"  
deepth - 3-3/8" to 3-1/2"

**General:**  
The segmental arch is rounder than those on the south and north elevations. The entire archway is filled with brick. The brick infill is flush with the face of the arch, although both are recessed from the wall plane (8"). The north bay is solid infill, while the south bay features a window and vent. Miscellaneous signage is extant on the infill. A utility pipe projects from the bottom south corner of the north bay infill. A pipe projects south of the vent in the south bay.

**Window:**  
A window is located in the south bay infill on its north side, serving the lavatory. It features a sliding, safety-glass sash window and concrete sill.

**Vent:**  
A large, round, aluminum exhaust vent is located in the south bay infill on its south side.
Treatment Type II-B. East elevation, basement, center bay.
II-B. **Recessed Brick Infill; Door**

**Location:**

*East Elevation, Basement*

- center bay

**Brick Coursing:**

(6) stretcher to (1) header/stretcher course

**Brick Dimensions:**

*Infill* (modern, smooth faced, orange brick with dark grey mortar)

- length - 8"
- height - 2-1/4"
- depth - 3-1/2"

**General:**

The archway is filled with brick. A door has been centered in the archway. The brick is recessed from the wall plane by 2'1/2". The archway is 7'10" high x 8'8" wide (at center point).

**Door:**

A modern metal door is centered in the brick infill. The door measures 6'7" high x 3'3-3/4" wide and opens outward. It features two windows. The bottom window is mirrored glass while the top window is clear glass. The door frame is metal and 2" wide. A threshold of concrete and metal sit on a sandstone water-table. The door is hinged on the south side of the opening.
Treatment Type II-C. North elevation, second story, segmental arch. Glazed sash.

Treatment Type II-D and II-E. South elevation, second story, bay 36 and 38.
II-C. Glazed; Wood, Flush Frame  (Not illustrated, appears identical to Types II-D and II-E from the exterior.)

Location:

South Elevation, Second Story
- bay 2 (m/t/p), 4 (nailed), 6 (m/t/p)

North Elevation, Second Story
- bay 1 (m/t/p)

General:
Only four (4) segmentally-arched openings exhibit treatments of this type.  They are concentrated at the west end of the building.  The frame is set into the arch and is flush with the arch face.  One of the flush frames is assembled with nails, while the remaining three are mortised, tenoned, and pegged.  See Appendix C, "Louvered Blind, Solid Panel, and Sash Treatments" for a detailed description of this treatment type.

II-D. Glazed; Wood, Raised Frame; Mortised, Tenoned, and Pegged

Location:

South Elevation, Second Story
- bays 6, 10, 14, 18, 22, 26, 30, 34, 38, 40, 44, 48, 52, 54, 58, 62, 66, 68, 72, 76, 80, 82, 86, 90, 94, 96, 104, 108, 112, 116

North Elevation, Second Story
- bays 13, 17, 21, 25, 29, 33, 37, 39, 43, 47, 51, 53, 57, 59, 61, 65, 67, 71, 73, 75, 79, 81, 85, 89, 93, 95, 99, 103, 111, 115

General:
This is the typical treatment for the segmental arches.  It is found in fifty-nine (59) openings.  The frame is a pre-assembled unit which is set on the interior face of the archway.  It is mortised, tenoned and pegged.  See Appendix C, "Louvered Blind, Solid Panel, and Sash Treatments" for a detailed description of this treatment type.
Treatment Type II-F. North elevation, second story, bay 97. Glazed; metal sash.

Treatment Type II-G. North elevation, second story, bay 7. Louvered blinds.
II-E. Glazed; Wood, Modern Raised Frame; Nailed

Location: South Elevation, Second Story
- bays 4, 8, 12, 16, 20, 24, 28, 32, 36, 42, 46, 50, 56, 60, 64, 70, 74, 78, 84, 88, 92, 98, 100, 102, 106, 110, 114
North Elevation, Second Story
- bays 3, 5, 83, 87, 91, 101, 105, 107, 109, 113

General: The frame for this treatment is identical to that described above in item II-D "Raised Frame; Mortised, Tenoned, and Pegged," except that the frame is nailed rather than m/t/p. This treatment type is found in thirty-six (36) arches. See Appendix C, "Louvered Blind, Solid Panel, and Sash Treatments" for a detailed description.

II-F. Glazed; Metal Sash

Location: North Elevation
- bay 97

General: This window is smaller than the rest on the second story. It was installed when bay 59 was remodelled to accommodate a freight-elevator. The segmental arch was filled-in with brick and a 16-light window introduced. The window features a metal frame. It appears that the center section of the sash, consisting of two horizontal rows of lights, can slide up and down.

II-G. Louvered Blinds

Location: North Elevation, Second Story
- bays 7, 9, 11, 15, 19, 23, 27, 31, 35, 41, 45, 49, 55, 63, 69, 77

General: Louvered blinds fill the segmental arches in sixteen (16) bays on the north elevation. The louvered blinds set into the typical segmental arch frame. See Appendix C, "Louvered Blind, Solid Panel, and Sash Treatments" for a detailed description of this treatment type.
III. Rectangular Openings
Treatment Type III-A. West elevation, first story, center bay. Wood and brick infill; glazed door.
I. Semi-Circular Arches
Arch rail
Meeting rail
Bottom rail
Hinge stile
Center (lock) stile

Typical semi-circular arch frame. Interior, bay 51.
I-A. Semi-Circular Arch Frame

Material: Wood.

Dimensions: General
Thickness - 3-5/8" (double thickness)
Height - 13'4"
Width - 9'9"

Stiles
Hinge - 9" wide
Lock - 5-7/8" wide (without bead); 6-3/4" wide (with bead)

Rails
Bottom - 11-1/2" high
Meeting - 7-1/2" high
Arch - 10" high

Construction: The semi-circular arch frame is mortised, tenoned, and pegged. (Presumably, they arrived at the site pre-assembled.) Employing two pegs at each joint, the rails are mortised and tenoned into the stiles. The arch rail sets into the hinge stile and is tenoned at an angle. The arch rails extend partially below the spring line of the arch. The frame is secured to the wall by a brace system consisting of toeboards, lintel, jamb boards, and an intrados board.

Design: The frame consists of two halves per archway. Each half features a center (lock) stile, hinge stile, and bottom, meeting, and arch rails. The frame follows the contour of the arch.

Center (Lock) Stile. One lock stile per frame half is extant. These stiles are continuous from the floor level to the crown of the arch. A 3/4" bead is extant on the inside length of one of the stiles. On the south wall the bead on the interior appears on the west stile. On the north wall the bead on the interior appears on the east stile.

Hinge Stiles. The hinge stiles extend from the floor level to the spring line of the arch (lintel line). There is one per half of the frame.

Rails. There are three rails as noted above: a bottom rail at the threshold level; a meeting rail at the impost level of the arch; and an arch rail at the upper arch. The arch rails are molded to follow the contour of the semi-circular arch. They exist in four sections; two per half. There is a seam at the approximate center point of each half.
Typical semi-circular arch fanlight and brace system. Interior, bay 52.
I-B. Semi-Circular Arch Fanlight

Materials: Wood; metal; and glass.

Dimensions: Centermost arc (metal). 3/4" thick x 1-3/8" deep
Middle arc (wood). 13/16" thick x 1-1/8" deep
Glazing. 1/8" thick

Construction: The rays are screwed into the centermost arc, toenailed to the middle arch, and mortised and tenoned into the frame.

Design: The fanlight consists of four semi-circular (arcs) muntins; two for each half of the fanlight. The arcs follow the contour of the arch. The closest arc muntin to the center is metal. The others are wood. The arc muntins are in sections. These arc muntins are pierced by eight radial muntins; four for each half of the fanlight. The rays commence at the arc muntin closest to the center and extend to the outside frame. They are continuous rays.

Glazing: Historic. The historic glazing exhibits a waviness and imperfections in the glass.
Modern. The modern glazing is clear, without imperfections.
Typical semi-circular arch brace system. North elevation, toeboard.
I-C. Semi-Circular Arch Brace-System: Toeboard, Lintel, Jamb Boards, Intrados Board

Material: Wood.

Dimensions:
- **Toeboards**: 9-1/2" wide x 3/4" thick x 121" long
- **Lintel**: 2" high x 4" wide x 10'5" long
- **Jamb Boards**: 2" deep x 4" wide x 8'2" long
- **Intrados Board**: 3" wide x 2" thick x 15" long (not actual)

Construction: The exterior toeboards are secured with wire nails and feature a sloped upper edge. The lintel exhibits chamfered edges (top and bottom interior face) and is mortised, tenoned, and pegged into the intrados of the archway. The vertical jamb boards are set flush with the floor level and butt the lintel. The intrados board is nailed to the frame by two nails at the lock stiles.

Design: The brace system consists of four major elements, as follows: an exterior toeboard and interior lintel, jamb boards, and intrados board.

The toeboard is attached at the base of the frame on the exterior. The lintel is extant at the meeting rail between the fanlight and lower frame. A jamb board is extant at either side of the jamb at the hinge stile. A wedge-shaped shim is located at the top of the lintel, wedging into the brick at the east and west sides. A wooden peg at each end of the lintel against the brick, assists in arresting lateral movement. An intrados board is secured at the crown of the brick arch.
Typical semi-circular arch solid-panel treatment, south elevation.
I-D. Semi-Circular Arch Solid-Panels

Material: Wood.

Dimensions:

| General | Thickness - 2" |
|         | Height - 7'9" |
|         | Width - 8'1"  |

| Panels  | Upper - 4'5-1/2" high x 1'3-1/4" wide |
|         | Lower - 10-1/2" high x 1'3-1/2" wide |

| Stiles  | Lock - 5-3/8" wide |
|         | Hinge - 6" wide    |

| Rails   | Upper - 7-1/2" high |
|         | Middle - 9-7/8" high |
|         | Lower - 11" high    |

Construction: The stiles are mortised and tenoned into the rails. The upper and lower rails are screwed into the stiles. Two screws are extant on each side.

Design: The solid panels fill both halves of the frame. The panels are recessed and of one plane. They consist of two long panels, surmounting two shorter panels. A narrow bead surrounds each panel.
Typical semi-circular arch louvered-blind treatment.
I-E. **Semi-Circular Arch Louvered-Blinds**

**Material:** Wood. (Circular saw-marks are visible on some louvers.)

**Dimensions:**

<table>
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<th>Louvers</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>1&quot;</td>
</tr>
<tr>
<td>Upper Edge Width</td>
<td>5-1/2&quot;</td>
</tr>
<tr>
<td>Lower Edge Width</td>
<td>5-1/4&quot;</td>
</tr>
</tbody>
</table>

**Construction:** The louvered blinds are mortised, tenoned, and pegged. The individual louvers slide into a grooved strip that is integral to the stiles of the frame.

**Design:** The louvered blinds consist of double panels. They are fixed. The louvers consist of twenty-two sloping slats per panel. The exterior edge features a molded profile, while the interior edge is flush with the frame.
Typical semi-circular arch sash treatment.
I-F. Semi-Circular Arch Sash

Material: Wood and glass.

Dimensions: Glazing. 15-1/2" high x 10" wide

Design: The sash refers to that portion of the glazed window below the springing line of the arch, i.e., that portion not including the fanlight. The fanlight is discussed separately, see I-B of this section. Only five bays include sash of this type. They are located on the second story of the west and east elevations. The sash is set in the frame. It consists of two halves like the frame. In each half are twenty lights of glazing.

Glazing: Historic. The historic glazing exhibits a waviness and imperfections in the glass. Modern. The modern glazing is clear, without imperfections.
Typical semi-circular arch, interior, wide-board shutter.

Typical semi-circular arch folding batten-shutters.
I-G. Semi-Circular Arch Folding Batten-Shutters

Material: Wood.

Dimensions: General
- Thickness - 7/8"
- Height - 7'3"
- Width - 3'9"

Panels
- Inside at Lock Stile - 1'9-1/4" wide
- Outside at Hinge Stile - 1'11-3/4" wide

Battens
- Upper Batten - 6-5/8"
- Middle Batten - 8-1/2"
- Lower Batten - 8-7/8"

Construction: The boards are tongue-and-grooved. The battens are screwed to the boards. The leaves are hinged at the upper and lower battens connecting the two leaves together. The shutters are hinged to the frame with two hinges per shutter half. The shutters are held shut by three toggle plates and two toggles per plate. The toggle plates are mounted on the frame.

Design: The shutters consist of two halves, with two leaves per half. Each leaf consists of two to four boards. The boards are secured and stabilized by three battens.

The shutter types are identified by the width of the boards which vary between wide and narrow boards. The wide board shutter usually consists of four or five boards per shutter leaf. The narrow boards consist of six or seven boards.

The battens feature a 1/2" bead at their top and bottom edges. The outside edge of the battens are beveled. The battens graduate in width from top to bottom, getting wider.

The boards exhibit an 1/8" bead on one vertical side of the board. Some of the narrower boards feature a bead on both sides.
Inventory of Batten Shutters for Semi-Circular Arches

Window Shutter Type W: Wide Board

Below, the west half of the shutter is noted first, followed by the east half.

West Elevation. First Story.

South Bay. None extant.
Center Bay. None extant.
North Bay. None extant.

Second Story.

South Bay. W 4/4 (2 battens)
Center Bay. W 4/4 (3 battens)
North Bay. W 4/4 (2 battens)

East Elevation. First Story.

South Bay. None extant.
Center Bay. None extant.
North Bay. None extant.

Second Story.

South Bay. W 4/4 (2 battens)
Center Bay. W 5s/4n (3 battens)
North Bay. Missing.


2- Missing 1- Inaccessible
4- Missing 3- Inaccessible
6- Missing 5- Inaccessible
8- Missing 7- Missing
10- Missing 9- Missing
12- Missing 11- Missing
14- Inaccessible 13- Inaccessible
16- Inaccessible 15- Inaccessible
18- Inaccessible 17- Inaccessible
20- Inaccessible 19- Inaccessible
22- Inaccessible 21- Inaccessible
24- Inaccessible 23- Inaccessible
26- Inaccessible 25- Inaccessible
28- Inaccessible 27- Inaccessible
30- Inaccessible 29- Inaccessible
32- Missing 31- Inaccessible
34- W 4/4 33- Inaccessible
36- W 4/4 35- Inaccessible
### LSH II

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353
Typical second-story semi-circular arch sill.

Typical first-story semi-circular arch sill. (Note two stones used at opening.)
I-H. Semi-Circular Arch Sill

Material: Sandstone.
Dimension: Generally 1' high x 8" wide.
Design: The sills (water-table) for the semi-circular arches consist of one stone in the West Addition (bays 1-36) and the Stables (bays 97-116) and two stones for Long Storehouse I and II (bays 37-96). There are several exceptions to the two-stone pattern in LSHI and II, as follows: there is only one stone at bays 43, 57, 71, 87, and 95. The sills for the second-story windows are one stone each.

I-I. Semi-Circular Arch Finishes

Frame:  
Interior. Painted dark brown.
Exterior. Painted white.

Louvered Blinds:  
Interior. Painted dark brown.
Exterior. Painted white.

Solid Panels:  
Interior. Unrecorded, except at bay 96 where a dark finished was noted.
Exterior. Painted white.

Shutters:  
Interior. Painted light brown.
Exterior: Painted dark brown.

Hardware: Painted like feature.
II. Segmental Arches
Second story, segmental-arch treatment. Raised window frame.
II-A. Segmental-Arch Frame

The description below refers to the frame type designated as raised/mortised, tenoned, and pegged.

Material: Wood.

Dimensions:

**General**
- Thickness - 3-3/4"
- Height - 8'
- Width - 9'9"

**Stiles**
- Hinge - 7'6-1/2" high x 9-1/2" wide
- Lock - 8' high x 5-7/8" wide (without bead), 6-3/4" wide (with bead)

**Rails**
- Top - 7-1/2" wide
- Bottom - 11" wide

**Opening**
- Height at Lock Stile - 6'1-1/2"
- Height at Hinge Stile - 5'8-1/2"
- Width - 3'6-1/2"

**Pegs**
- WA, LSHII, LSHI - 5/8" diameter
- Stables - 1/2" diameter

Construction: The frames are mortised, tenoned, and pegged. (Presumably, they arrived at the site pre-assembled.) Employing two pegs each, the rails are mortised and tenoned into the stiles. The frame is secured to the wall by iron hardware anchors. (See section III- for a description of the hardware.)

Design: Raised/MTP. There are (75) extant of this type. The frame is recessed approximately 1' from the wall pier plane.

The frame sits on the sill ledge in the recessed segmental arched niche designed to hold the window. It is free standing and raised from the wall plane. The hinge and lock stiles extend beyond the top rails. The upper rail and extended stiles partially obscure the arch gauged brickwork. The frame is designed to hold either louvered blinds or glazed sash. A bead is extant on one of the lock stiles, as follows: on the south wall, it is on the west lock stile; on the north wall, it is on the east lock stile. The upper rail is curved to follow the contour of the arch.

There appears to be nuances of differences in the dimensions for the frames found in the Stables from those found in other sections of the building.
Wide-board folding batten-shutter  Flush Frame

Second story, segmental-arch treatment. Flush window frame.
Variation: There are two variations to the above described frame, as follows:

Raised/Nailed. The first is identical in shape to the raised/mtp frame, but is constructed differently. It is constructed with nails and the rails and stiles do not terminate at the stile but extend across. As a result, the part of the stile that extends beyond the top rail is separate from the stile which extends below the rail. See inventory of segmental arch window frames for the location of these frames. There are (36) in total.

Flush. The second variation, sits completely within the segmental arch. The arch is completely visible. This frame because it sits within the arched niche does not have extended stiles. The flush frame is found only at the west end of the building at bays 1, 2, 4, and 6. Bay 1, 2, and 6 are mortised and pegged, while bay 4 is assembled with nails.

The dimensions of the flush frame are different from the other types, as follows:

**General**
- Thickness - 3-1/2"
- Height - 7'4"
- Width - 9'9"

**Stiles**
- Hinge - 6'9" high x 9-3/8" wide
- Lock - 7'4" high x 6" wide (without bead), 6-5/8" wide (with bead)

**Rails**
- Top - 6" wide
- Bottom - 8-1/4" wide

**Opening** (similar to raised/mtp frame type)
- Height at Lock Stile - 6'1-1/2"
- Height at Hinge Stile - 5'8-3/4"
- Width - 3'6-1/4"
SEGMENTAL ARCH - RAISED WINDOW FRAME

(Mortised, Tenoned, Pegged)

5/8" pegs (except in Stables where pegs are 1/2").
SEGMENTAL ARCH - RAISED WINDOW FRAME

(Modern, Nailed)

Muntins: 3/4" (Same for all sash.)
Frame thickness: 3 1/2" (Same for all frames.)
SEGMENTAL ARCH - FLUSH WINDOW FRAME
(Bays 1, 2, 4, 6)

Bays 1, 2, 6 are pegged.
Bay 4 is nailed.
Inventory of Frame Types for Segmental Arches

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II-B. Segmental-Arch Sash

Material: The sash is constructed of wood.

Dimensions: Muntins
- Historic: 1-3/4" deep x 3/4" wide
- Modern: 1-11/16" deep x 3/4" wide

Glazing
- 13-5/8" high x 10-1/4" wide x 3/16" thick.

Design: The sash is set in the frame. It consists of two halves, like the frame. In each half are twenty lights of glazing. The historic sash sill exhibits a slight angle, while the modern is flat. The modern sash features a rabbeted edge, surrounding the entire sash.

Glazing: Historic. The historic glazing exhibits a waviness and imperfections in the glass.
Modern. The modern glazing is clear, without imperfections.
II-C. Segmental-Arch Louvered-Blinds

Material: The louvered blinds are constructed of wood.

Dimensions: Thickness - 3-3/4"
Upper Width - 5-1/2"
Lower Edge Width - 5-1/4"

Construction: The louvered blinds are mortised and tenoned. The individual louvers slide into a grooved strip that attaches to the stiles of the frame.

Design: The louvered blinds consist of double panels. They are fixed. The louvers consist of 18 louvers and 1/2 to accommodate the upper arch, per panel. The individual louvers feature a molded outside edge.
Inventory of Glazed and Louvered-Blind Treatments for Segmental Arches

Notations: The word or number to the left of the treatment designation represents the bay. The number in parentheses to the right of the treatment designation is the number of missing or broken lights.

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* Bay 1 - west window muntins are missing.
Bay 58 - a 6-light window is inset into east window panel.
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* Bay 106 - a 6-light window is inset into west window panel.
II-D. **Segmental-Arch Folding Batten-Shutters**

**Material:** The folding batten-shutters are constructed in wood.

**Dimensions:**

- **General**
  - Thickness: 7/8"  
  - Height: 6'5" (lock end); 5'11-1/2" (hinge end)  
  - Width: 3'9" (each half)
- **Battens**
  - Thickness: 7/8"  
  - Upper Batten: 6-3/8" wide  
  - Lower Batten: 8-3/8" wide

**Construction:** The boards are tongue-and-grooved. The battens are screwed to the boards. The leafs are hinged at the upper and lower battens. The shutters are hinged to the frame with two hinges per shutter half. The shutters are held shut by two toggle plates and two toggles per plate. The toggle plates are mounted on the frame.

**Design:** The shutters consist of two halves, with two leaves per half. Each leaf consists of two to four boards. The boards are secured and stabilized by an upper and lower batten. The leaves of the shutters are hinged so that they may fold inward.

The shutter types are identified by the width of the boards which vary between wide and narrow boards. The wide board shutter usually consists of four or five boards per shutter leaf. The narrow boards consist of six or seven boards.

The battens features a 1/2" bead at their top and bottom edges. The outside edge of the battens are beveled. The upper batten is narrower in width than the lower.

The boards exhibit an 1/8" bead on one vertical side of the board. Some of the narrower boards feature a bead on both sides.
Second story, segmental-arch treatment. Folding batten-shutters, wide board.

Second story, segmental-arch treatment. Folding batten-shutters, narrow board.
Wide Board Shutter

Narrow Board Shutter

SEGMENTAL ARCH

FOLDING BATTEN-SHUTTERS

Shutters 7/8" thick.
Segmental-Arch Folding Batten-Shutters

**Notations:** The letter designation W represents "wide board" while the letter designation N represents "narrow board."

The west side of the shutter is listed prior to the east.

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<td>56- W 5/4</td>
<td>55- W 5/4</td>
<td></td>
</tr>
<tr>
<td>58- W 4/4</td>
<td>57- W 4/4</td>
<td></td>
</tr>
<tr>
<td>60- W 5/5</td>
<td>59- N 7/7</td>
<td></td>
</tr>
<tr>
<td>62- Missing</td>
<td>61- W 4/4</td>
<td></td>
</tr>
<tr>
<td>64- W 4/4</td>
<td>63- W 4/5</td>
<td></td>
</tr>
<tr>
<td>66- W 4/4</td>
<td>65- W 4/4</td>
<td></td>
</tr>
</tbody>
</table>

* 7 east - one missing board, inside west shutter leaf.
9 west - one missing board.
11 east - one missing board.
15 east - inside east shutter leaf missing.
17 west - (3) boards; one leaf of west shutter (east) missing.
<table>
<thead>
<tr>
<th>LSH I.</th>
<th>South Wall Bays.</th>
<th>North Wall Bays.</th>
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<tbody>
<tr>
<td>68- W 4/4</td>
<td>67- W 4/4</td>
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<td>70- Missing</td>
<td>69- W 4/5</td>
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<tr>
<td>72- W 4/4</td>
<td>71- W 4/4</td>
<td></td>
</tr>
<tr>
<td>74- Missing</td>
<td>73- Missing</td>
<td></td>
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<tr>
<td>76- W 4/4</td>
<td>75- W 4/4</td>
<td></td>
</tr>
<tr>
<td>78- Missing</td>
<td>77- W 4/5</td>
<td></td>
</tr>
<tr>
<td>80- W 4/4</td>
<td>79- W 4/4</td>
<td></td>
</tr>
<tr>
<td>82- W 4/4</td>
<td>81- W 4/4</td>
<td></td>
</tr>
<tr>
<td>84- Missing</td>
<td>83- Missing</td>
<td></td>
</tr>
<tr>
<td>86- W 4/4</td>
<td>85- W 4/4</td>
<td></td>
</tr>
<tr>
<td>88- Missing</td>
<td>87- Missing</td>
<td></td>
</tr>
<tr>
<td>90- W 4/4</td>
<td>89- e. W 4</td>
<td></td>
</tr>
<tr>
<td>92- Missing</td>
<td>91- W 5/4</td>
<td></td>
</tr>
<tr>
<td>94- w.W 4/e. N 6</td>
<td>93- Missing</td>
<td></td>
</tr>
<tr>
<td>96- W 4/4</td>
<td>95- W 4/4</td>
<td></td>
</tr>
</tbody>
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<table>
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<th></th>
<th></th>
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<tbody>
<tr>
<td>98- Missing</td>
<td>97- Missing</td>
<td></td>
</tr>
<tr>
<td>100- Missing</td>
<td>99- Missing</td>
<td></td>
</tr>
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<td>102- Missing</td>
<td>101- Missing</td>
<td></td>
</tr>
<tr>
<td>104- Missing</td>
<td>103- Missing</td>
<td></td>
</tr>
<tr>
<td>106- N 6/7</td>
<td>105- N 6/6</td>
<td></td>
</tr>
<tr>
<td>108- W 4/5</td>
<td>107- e. N 6</td>
<td></td>
</tr>
<tr>
<td>110- Missing</td>
<td>109- N 7/6</td>
<td></td>
</tr>
<tr>
<td>112- Missing</td>
<td>111- Missing</td>
<td></td>
</tr>
<tr>
<td>114- N 6/7</td>
<td>113- N 7/7</td>
<td></td>
</tr>
<tr>
<td>116- N 7/7</td>
<td>115- N 6/7</td>
<td></td>
</tr>
</tbody>
</table>
II-E. Finishes

Raised/MTP Frame:  
  **Interior.** Painted dark brown.  
  **Exterior.** Painted white.

Raised/Nailed Frame:  
  **Interior.** Painted black.  
  **Exterior.** Painted dark brown.

Louvered Blinds:  
  **Interior.** Painted dark brown.  
  **Exterior.** Painted white.

Shutters:  
  **Interior.** Painted light brown.  
  **Exterior.** Painted dark brown.

Hardware:          
  Painted like feature.
APPENDIX D.

Inventory of Hardware for Louvered Blind, Solid Panel, and Sash Treatments.
INTRODUCTION

General Comments: This inventory includes the typical hardware found used in treatments for louvered blind, solid panel, and sash throughout the building. The appendix begins with schematic sketches of typical hardware that is cited in the inventory that follows. The actual inventory is divided according to type of arch, semi-circular and segmental.

I. Illustrations of Typical Hardware (Similar hardware was used on both arch types, so the drawings do not specify type of arch.)

A. Frame Anchoring Hardware
B. T-Hinge
   Strap Hinge
C. 2-Knuckle Butt Hinge
   5-Knuckle Butt Hinge (Baldwin Patent)
D. 5-Knuckle Butt Hinge (Decorative Ball)
   5-Knuckle Butt Hinge (N. Eng. Butt Co. Wire Joints)
E. 5-Knuckle Butt Hinge (no manufacturers' name visible)
   5-Knuckle Butt Hinge (T. & C. Clark's Best Broad)
F. 5-Knuckle Butt Hinge (T. & C. Clark Patented)
G. Toggle Plate and Toggle Fastener

II. Inventory of Hardware for Semi-Circular Arch Treatments

A. West Wall
   First Story
   Second Story
B. East Wall
   First Story
   Second Story
C. South Wall
   West Addition (even-numbered bays between 1-36)
   Long Storehouse II (even-numbered bays between bays 37-66)
   Long Storehouse I (even-numbered bays between bays 67-96)
   Stables (even-numbered bays between 97-116)
E. North Wall
   West Addition (odd-numbered bays between 1-36)
   Long Storehouse II (odd-numbered bays between 37-66)
   Long Storehouse I (odd-numbered bays between 67-96)
   Stables (odd-numbered bays between 97-116)

III. Inventory of Hardware for Segmental-Arch Treatments

A. East Wall
   Basement

B. South Wall
   West Addition (even-numbered bays between 1-36)
   Long Storehouse II (even-numbered bays between bays 37-66)
   Long Storehouse I (even-numbered bays between bays 67-96)
   Stables (even-numbered bays between 97-116)

C. North Wall
   West Addition (odd-numbered bays between 1-36)
   Long Storehouse II (odd-numbered bays between 37-66)
   Long Storehouse I (odd-numbered bays between 67-96)
   Stables (odd-numbered bays between 97-116)
I. Illustrations of Typical Hardware
Typical hardware for semi-circular arches.

Shutter-to-frame hinge

Shutter hinge

Sill anchor

Toggle plate and toggles.
Location of top frame-anchor

Shutter hinge

Shutter-to-frame hinge

Side wall-anchor

Toggle plates and toggles

Sill anchors

Typical hardware for segmental arches.
SIDE ANCHORS

- Anchor at top of frame, affixing lock stiles to wall.
- Bolt through top of frame, fixing lock stiles together.
- Sill anchors, fixing bottom of frame to sill.

Flush, inset into wood frame.

FRAME ANCHORING HARDWARE

384
T-HINGE

STRAP HINGE

385
SEGMENTAL ARCH - INTERIOR SHUTTER
2-KNUCKLE BUTT HINGE

Flush with shutter face.

SEGMENTAL ARCH - INTERIOR SHUTTER
5-KNUCKLE BUTT HINGE
(Baldwin Patent)
Flush with shutter face.

5-KNUCKLE BUTT HINGE
(Decorative Ball)

Flush with shutter face.

5-KNUCKLE BUTT HINGE
(N. Eng. Butt Co. Wire Joints)
5-KNUCKLE BUTT HINGE
(No manufacturers' name visible.)

5-KNUCKLE BUTT HINGE
(T. & C. Clark's Best Broad)
Flush with shutter face.

5-KNUCKLE BUTT HINGE
(T. & C. Clark Patented)
2 toggle plates per frame. Located on lock stiles, 1'-5" from top of frame and 1'-5" from sill.

TOGGLE PLATE AND TOGGLE FASTENER
II. Inventory of Hardware for Semi-Circular Arch Treatments
Inventory of Hardware for Semi-Circular Arch Treatments

* * *

West Wall

First Story

South brick infill
Center semi-circular arch removed; rectangular opening introduced
North interior inaccessible

Second Story

South Frame Anchors: sill - intact; south - loose
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (plain)
Toggle Plates: intact; one loose
Toggles: (1) intact; other - missing

Center Frame Anchors: sill - intact; south - loose
Shutter Boards: (4) 5-knuckle butt hinges (north and south, upper - T & C Clark; south, lower - Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (Baldwin)
Toggle Plates: intact; upper - raised
Toggles: intact

North Frame Anchors: sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (Baldwin)
Toggle Plates: intact
Toggles: intact

* * *

East Wall

First Story

South brick infill and fanlight
Center brick infill and fanlight
North brick infill and fanlight
Second Story

South
- Frame Anchors: sill - intact; south - enlarged
- Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
- Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best ?)
- Toggle Plates: (1) intact; upper - missing
- Toggles: (1) intact; others - missing

Center
- Frame Anchors: sill - intact
- Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
- Shutter/Frame: (4) 5-knuckle butt hinges (type not discernible)
- Toggle Plates: intact
- Toggles: (3) intact; upper north - missing

North
- interior inaccessible for detailed study; shutters - missing

* * *

South Wall

West Addition
2 brick infill
4 brick infill
6 brick infill
8 brick infill
10 wood garage door; fanlight
12 wood garage door; fanlight
14 interior inaccessible
16 interior inaccessible
18 interior inaccessible
20 interior inaccessible
22 interior inaccessible
24 interior inaccessible
26 interior inaccessible
28 interior inaccessible
30 freight elevator door and brick infill

394
<table>
<thead>
<tr>
<th>Page</th>
<th>Description</th>
<th>Frame Anchors</th>
<th>Shutter Boards</th>
<th>Shutter/Frame</th>
<th>Toggle Plates</th>
<th>Toggles</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>wood matchboard, sliding door</td>
<td>sill - removed</td>
<td>removed with shutters</td>
<td>removed with shutters</td>
<td>removed</td>
<td>removed</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>sill - removed</td>
<td>removed with shutters</td>
<td>removed with shutters</td>
<td>removed</td>
<td>removed</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>sill - intact</td>
<td>(4) strap hinges</td>
<td>(4) 2-knuckle hinges</td>
<td>intact</td>
<td>west - intact; east - missing</td>
</tr>
<tr>
<td>38</td>
<td></td>
<td>sill - intact; bent, not set into sill</td>
<td>(4) 5-knuckle butt hinges (Baldwin)</td>
<td>(4) 5-knuckle butt hinges (plain)</td>
<td>missing</td>
<td>missing</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>sill - missing</td>
<td>(2) 5-knuckle butt hinges (T &amp; C Clark)</td>
<td>(2) strap hinges</td>
<td>upper - new; lower - intact</td>
<td>upper - intact; lower - missing</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>sill - missing</td>
<td>(4) 5-knuckle butt hinges (Baldwin)</td>
<td>(4) 5-knuckle butt hinges (T Clark Best)</td>
<td>(1) intact; mounted lower than original at mid-point</td>
<td>(2) intact</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>sill - missing</td>
<td>(4) 5-knuckle butt hinges (Baldwin)</td>
<td>(4) 5-knuckle butt hinges (types not discernible)</td>
<td>(1) intact; mounted lower than original at mid-point</td>
<td>(2) intact</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>sill - extant; rusted, broken</td>
<td>inaccessible</td>
<td>(2) 5-knuckle butt hinges (T Clark Best)</td>
<td>inaccessible</td>
<td>(2) intact; upper - extant, lower - missing</td>
</tr>
</tbody>
</table>

**Long Storehouse II**

- Frame Anchors: sill - intact; bent, not set into sill
- Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
- Shutter/Frame: (4) 5-knuckle butt hinges (plain)
- Toggle Plates: missing
- Toggles: missing
Frame Anchors: sill - missing
Shutter Boards: (2) 5-knuckle butt hinges (Baldwin) (2) inaccessible
Shutter/Frame: (2) 5-knuckle butt hinges (not discernible) (2) inaccessible
Toggle Plates: upper - moved to mid-point; lower - missing
Toggles: upper west - intact; upper east and lower - missing

interior inaccessible

Frame Anchors: sill - inaccessible
Shutter Boards: (2) 5-knuckle butt hinges (Baldwin) (2) inaccessible
Shutter/Frame: (2) 5-knuckle butt hinges (Baldwin) (2) inaccessible
Toggle Plates: inaccessible
Toggles: inaccessible

open archway

open archway

open archway

open archway (location of former fire door)

open archway

elevator freight door and brick infill

open archway

open archway

Long Storehouse I

open archway

open archway

open archway

open archway

open archway

open archway

open archway

open archway

open archway
open archway

Frame Anchors: sill - removed
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (2) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: (2) intact
Toggles: (3) intact

open archway

open archway

open archway

open archway

open archway

Frame Anchors: sill - intact, at sides
Shutter Boards: none extant
Shutter/Frame: none extant
Toggle Plates: none extant
Toggles: none extant

Stables

Lavatory; wood partition up to fanlight
Frame Anchors: removed
Shutter Boards: removed
Shutter/Frame: removed
Toggle Plates: removed with shutters
Toggles: removed with shutters

semi-circular arch removed; rectangular opening introduced

semi-circular arch removed; rectangular opening introduced

semi-circular arch removed; rectangular opening introduced

semi-circular arch removed; rectangular opening introduced

brick infill; fanlight

brick infill; fanlight

semi-circular arch removed; rectangular opening introduced
semi-circular arch removed; rectangular opening introduced
brick infill; fanlight

* * *

North Wall

West Addition

1 brick infill; interior inaccessible
3 brick infill; interior inaccessible
5 brick infill; interior inaccessible
7 brick infill; interior inaccessible

9 Frame Anchors: sill - none extant
    Shutter Boards: removed with shutters
    Shutter/Frame: removed with shutters
    Toggle Plates: none extant
    Toggles: none extant

11 Frame Anchors: sill - none extant
    Shutter Boards: removed with shutters
    Shutter/Frame: removed with shutters
    Toggle Plates: none extant
    Toggles: none extant

13 interior inaccessible
15 interior inaccessible
17 interior inaccessible
19 interior inaccessible
21 interior inaccessible
23 interior inaccessible
25 interior inaccessible
27 interior inaccessible
29 interior inaccessible

398
interior inaccessible
interior inaccessible
interior inaccessible

Long Storehouse II

37
Frame Anchors: sill - intact; deteriorated and severed
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (Patent)
Toggle Plates: (2) intact
Toggles: only lower west intact; others - missing

39
Frame Anchors: sill - intact; deteriorated
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (Patent)
Toggle Plates: (2) intact
Toggles: (4) intact

41
Frame Anchors: sill - intact; deteriorated
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (2 - Baldwin; 2 - Patent)
Toggle Plates: (2) intact
Toggles: missing

43
Frame Anchors: sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (Patent)
Toggle Plates: (2) intact
Toggles: (1) intact; others - missing

45
Frame Anchors: sill - intact; deteriorated
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (T & G Clark)
Toggle Plates: (2) intact
Toggles: (3) intact; other - missing

47
Frame Anchors: sill - inaccessible
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: inaccessible
Toggle Plates: inaccessible
Toggles: inaccessible
49 Frame Anchors: sill - intact; deteriorated
Shutter Boards: inaccessible
Shutter/Frame: inaccessible
Toggle Plates: (2) intact
Toggles: (2) intact

51 Frame Anchors: sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (3) 5-knuckle butt hinges (1 - T Clark Best; 2-plain)
Toggle Plates: (1) inaccessible
Toggles: (2) intact

53 Frame Anchors: sill - intact
Shutter Boards: removed with shutters; boards nailed instead
Shutter/Frame: (4) 5-knuckle butt hinges (plain)
Toggle Plates: (3) intact; top is new
Toggles: (5) intact

55 Frame Anchors: sill - intact; deteriorated
Shutter Boards: (2) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (2) 5-knuckle butt hinges (plain)
Toggle Plates: missing
Toggles: missing

57 Frame Anchors: sill - inaccessible
Shutter Boards: (2) 5-knuckle butt hinge (Baldwin)
Shutter/Frame: (2) 5-knuckle butt hinge (plain)
Toggle Plates: (1) intact
Toggles: (2) intact

59 Fire Door - none extant

61 Frame Anchors: sill - intact
Shutter Boards: (2) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (2) 5-knuckle butt hinges (plain)
Toggle Plates: (2) intact
Toggles: (2) intact
63 Frame Anchors: sill - intact
Shutter Boards: removed with shutters
Shutter/Frame: removed with shutters
Toggle Plates: (1) intact; upper
Toggles: none extant

65 Frame Anchors: sill - intact; bent
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (2) 5-knuckle butt hinges (east - T Clark Best broken)
(2) 5-knuckle butt hinges (west - plain)
Toggle Plates: missing
Toggles: missing

Long Storehouse I

67 open archway
69 open archway
71 open archway
73 open archway

75 Frame Anchors: sill - inaccessible
Shutter Boards: removed with shutters
Shutter/Frame: removed with shutters
Toggle Plates: removed
Toggles: removed

77 Frame Anchors: sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: upper - removed; lower - broken
Toggles: removed

79 Frame Anchors: sill - intact; bent
Shutter Boards: removed with shutters
Shutter/Frame: removed with shutters
Toggle Plates: removed
Toggles: removed

81 high voltage room; inaccessible
| Frame Anchors: | sill - intact |
| Shutter Boards: | (4) 5-knuckle butt hinges (Baldwin) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (T Clark Best) |
| Toggle Plates: | upper - removed; lower - intact; mid-point - new plate |
| Toggles: | (2) historic on new plate; (1) on lower plate |

| Frame Anchors: | sill - intact |
| Shutter Boards: | (4) 5-knuckle butt hinges (possibly Baldwin) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (possibly T Clark Best) |
| Toggle Plates: | upper - intact, broken; |
| Toggles: | (2) toggles |

| Frame Anchors: | sill - intact; corroded |
| Shutter Boards: | (4) 5-knuckle butt hinges (2 - T & C Clark; 2- Baldwin) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (1 - T Clark Best; 3 indiscernible) |
| Toggle Plates: | (2) intact |
| Toggles: | (3) intact; lower west - removed |

| Frame Anchors: | sill - intact |
| Shutter Boards: | (4) 5-knuckle butt hinges (2 - T & C Clark; 2- Baldwin) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (2 - T & C Clark; 2- indiscernible) |
| Toggle Plates: | intact |
| Toggles: | intact |

| Frame Anchors: | sill - intact |
| Shutter Boards: | (2) 5-knuckle butt hinges (T & C Clark - top, broken) |
| Shutter/Frame: | (2) removed with shutters (T Clark Best) |
| Toggle Plates: | (2) intact |
| Toggles: | (4) intact |

| Frame Anchors: | sill - intact |
| Shutter Boards: | (2) 5-knuckle butt hinges (1 - plain; 1 - Baldwin) |
| Shutter/Frame: | (2) inaccessible |
| Toggle Plates: | (2) intact |
| Toggles: | (4) intact |
Frame Anchors: sill - intact; heavily corroded
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (2) 5-knuckle butt hinges (plain)
(2) inaccessible
Toggle Plates: removed
Toggles: removed

Stables

freight elevator door and brick infill
semi-circular arch removed; rectangular opening introduced
semi-circular arch removed; rectangular opening introduced
brick infill and fanlight
brick infill and fanlight
brick infill and fanlight
brick infill and fanlight
brick infill and fanlight
III. Inventory of Hardware for Segmental-Arch Treatments
Inventory of Hardware for Segmental-Arch Treatments

* * *

East Wall

Basement

South  Brick Infill
Center  Brick Infill and Door
North  Brick Infill

* * *

South Wall

West Addition

2  Frame Anchors: side - intact
top center - missing
sill - intact
Shutter Boards: (4) T-hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

4  Frame Anchors: side - intact
top center - missing
sill - intact
Shutter Boards: (4) strap hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

6  Frame Anchors: side - intact
top center - missing
sill - intact
Shutter Boards: (4) T-hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact
8  Frame Anchors:  
   side - intact  
   top center - intact  
   sill - intact  
Shutter Boards:  
   (4) strap hinges  
Shutter/Frame:  
   (4) 2-knuckle butt hinges  
Toggle Plates:  
   intact  
Toggles:  
   intact

10 Frame Anchors:  
   side - intact  
   top center - intact  
   sill - intact  
Shutter Boards:  
   (4) T-hinges  
Shutter/Frame:  
   (4) 2-knuckle butt hinges  
Toggle Plates:  
   intact  
Toggles:  
   intact

12 Frame Anchors:  
   side - intact  
   top center - intact  
   sill - intact  
Shutter Boards:  
   (4) strap hinges  
Shutter/Frame:  
   (4) 2-knuckle butt hinges  
Toggle Plates:  
   intact  
Toggles:  
   intact

14 Frame Anchors:  
   side - intact  
   top center - intact  
   sill - intact  
Shutter Boards:  
   (2) removed with shutter  
   (2) T-hinges  
Shutter/Frame:  
   (2) removed with shutter; partial 2-knuckle hinge plate remains on frame  
   (2) 2-knuckle butt hinges  
Toggle Plates:  
   intact  
Toggles:  
   intact

16 Frame Anchors:  
   side - intact  
   top center - missing  
   sill - intact  
Shutter Boards:  
   (4) strap hinges  
Shutter/Frame:  
   (4) 2-knuckle butt hinges  
Toggle Plates:  
   intact  
Toggles:  
   intact

18 Frame Anchors:  
   side - intact  
   top center - intact  
   sill - intact  
Shutter Boards:  
   (4) T-hinges; east, bottom - broken  
Shutter/Frame:  
   (4) 2-knuckle butt hinges  
Toggle Plates:  
   intact  
Toggles:  
   intact
<table>
<thead>
<tr>
<th>Frame Anchors</th>
<th>Shutter Boards</th>
<th>Shutter/Frame</th>
<th>Toggle Plates</th>
<th>Toggles</th>
</tr>
</thead>
<tbody>
<tr>
<td>side - intact</td>
<td>(4) 2-knuckle butt hinges</td>
<td>intact</td>
<td>2-knuckle butt hinges</td>
<td>(2) intact</td>
</tr>
<tr>
<td>top center - intact</td>
<td>(4) strap hinges</td>
<td>(1) intact</td>
<td>(3) intact; other - missing</td>
<td></td>
</tr>
<tr>
<td>sill - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

22 Frame Anchors: side - intact
<table>
<thead>
<tr>
<th>Shutter Boards</th>
<th>Shutter/Frame</th>
<th>Toggle Plates</th>
<th>Toggles</th>
</tr>
</thead>
<tbody>
<tr>
<td>top center - missing</td>
<td>(4) T-hinges</td>
<td>intact</td>
<td>3 intact; other - missing</td>
</tr>
<tr>
<td>sill - intact</td>
<td>(4) 2-knuckle butt hinges</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

24 Frame Anchors: side - intact
<table>
<thead>
<tr>
<th>Shutter Boards</th>
<th>Shutter/Frame</th>
<th>Toggle Plates</th>
<th>Toggles</th>
</tr>
</thead>
<tbody>
<tr>
<td>top center - missing</td>
<td>removed with shutters</td>
<td>none extant</td>
<td></td>
</tr>
<tr>
<td>sill - intact</td>
<td>removed with shutters</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

26 Frame Anchors: side - intact; askew
<table>
<thead>
<tr>
<th>Shutter Boards</th>
<th>Shutter/Frame</th>
<th>Toggle Plates</th>
<th>Toggles</th>
</tr>
</thead>
<tbody>
<tr>
<td>top center - intact</td>
<td>(4) T-hinges</td>
<td>intact</td>
<td>3 intact; lower east - missing</td>
</tr>
<tr>
<td>sill - intact</td>
<td>(4) 2-knuckle butt hinges</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

28 Frame Anchors: side - intact
<table>
<thead>
<tr>
<th>Shutter Boards</th>
<th>Shutter/Frame</th>
<th>Toggle Plates</th>
<th>Toggles</th>
</tr>
</thead>
<tbody>
<tr>
<td>top center - intact</td>
<td>(4) strap hinges</td>
<td>intact</td>
<td></td>
</tr>
<tr>
<td>sill - intact</td>
<td>(4) 2-knuckle butt hinges</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

30 Frame Anchors: side - not accessible
<table>
<thead>
<tr>
<th>Shutter Boards</th>
<th>Shutter/Frame</th>
<th>Toggle Plates</th>
<th>Toggles</th>
</tr>
</thead>
<tbody>
<tr>
<td>top center - intact</td>
<td>removed with shutters</td>
<td>intact</td>
<td>(3) intact; upper east - missing</td>
</tr>
<tr>
<td>sill - intact</td>
<td>removed with shutters</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Frame Anchors: side - intact
top center - intact
sill - intact

Shutter Boards: (4) strap hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: (3) intact; other - missing

Frame Anchors: side - intact
top center - intact
sill - intact

Shutter Boards: removed with shutters
Shutter/Frame: removed with shutters
Toggle Plates: none extant
Toggles: none extant

Frame Anchors: side - intact; but loose
top center - intact
sill - intact

Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: (1) intact
Toggles: (1) intact; other - missing

Frame Anchors: side - intact
top center - intact
sill - intact; west - repaired (extra metal anchor on west stile)

Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (Baldwin)
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
top center - intact
sill - intact

Shutter Boards: (2) 5-knuckle butt hinges (east - Baldwin)
Shutter/Frame: (2) 5-knuckle butt hinges (east - plain)
Toggle Plates: intact
Toggles: (1) intact; others - missing
Frame Anchors:  side - intact
top center - intact
sill - intact

Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (2) 5-knuckle butt hinges (west - Baldwin)
(2) 5-knuckle butt hinges (east - T Clark Best)

Toggle Plates: intact; lower - raised
Toggles: intact

Frame Anchors:  side - intact
top center - missing
sill - intact

Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (plain)

Toggle Plates: intact
Toggles: intact

Frame Anchors:  side - intact
top center - intact
sill - intact

Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (plain)

Toggle Plates: intact
Toggles: intact

Frame Anchors:  side - intact
top center - intact
sill - intact

Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (plain)

Toggle Plates: intact
Toggles: (3) intact; other - missing

Frame Anchors:  side - intact
top center - intact; rod instead of bolt
sill - intact

Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)

Toggle Plates: intact
Toggles: intact
<table>
<thead>
<tr>
<th>Page</th>
<th>Frame Anchors</th>
<th>Shutter Boards</th>
<th>Shutter/Frame</th>
<th>Toggle Plates</th>
<th>Toggles</th>
</tr>
</thead>
<tbody>
<tr>
<td>56</td>
<td>side - intact</td>
<td>(4) 5-knuckle butt hinges (Baldwin)</td>
<td>(4) 5-knuckle butt hinges (plain)</td>
<td>intact</td>
<td></td>
</tr>
<tr>
<td></td>
<td>top center - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>sill - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>side - intact</td>
<td>(4) 5-knuckle butt hinges (T &amp; C Clark)</td>
<td>(4) 5-knuckle butt hinges (T Clark Best)</td>
<td>intact</td>
<td>(2) intact; others - missing</td>
</tr>
<tr>
<td></td>
<td>top center - intact; shifted</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>sill - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>side - intact</td>
<td>(4) 5-knuckle butt hinges (Baldwin)</td>
<td>(4) 5-knuckle butt hinges (plain)</td>
<td>intact</td>
<td></td>
</tr>
<tr>
<td></td>
<td>top center - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>sill - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>side - inaccessible</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>top center - inaccessible</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>sill - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>side - intact</td>
<td>(4) 5-knuckle butt hinges (Baldwin)</td>
<td>(4) 5-knuckle butt hinges (plain)</td>
<td>intact</td>
<td></td>
</tr>
<tr>
<td></td>
<td>top center - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>sill - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>side - intact</td>
<td>(4) 5-knuckle butt hinges (T &amp; C Clark)</td>
<td>(4) 5-knuckle butt hinges (T Clark Best)</td>
<td>intact</td>
<td>(2) intact; others - missing</td>
</tr>
<tr>
<td></td>
<td>top center - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>sill - intact</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Long Storehouse 1

68 Frame Anchors: side - intact
top center - intact
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: missing
Toggles: missing

70 Frame Anchors: side - east, intact; west, missing
top center - missing
sill - intact
Shutter Boards: removed with shutter
Shutter/Frame: removed with shutter
Toggle Plates: removed; extra toggle plate mounted on east jamb
Toggles: removed

72 Frame Anchors: side - intact
top center - intact
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (east - T Clark Best; west - Baldwin)
Toggle Plates: intact
Toggles: (3) intact; other - missing

74 Frame Anchors: side - none extant
top center - none extant
sill - none extant
Shutter Boards: removed with shutter
Shutter/Frame: removed with shutter
Toggle Plates: none extant
Toggles: none extant

76 Frame Anchors: side - intact
top center - intact
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (Baldwin)
Toggle Plates: intact
Toggles: intact

78 Frame Anchors: side - intact; extra shim at west anchor
top center - intact
sill - intact
Shutter Boards: removed with shutter
Shutter/Frame: removed with shutter
Toggle Plates: none extant
Toggles: none extant
80 Frame Anchors: side - intact; extra shim at west anchor
top center - intact
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: intact
Toggles: (2) intact; others - missing

82 Frame Anchors: side - intact; extra shim at east anchor
top center - intact
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: intact
Toggles: intact

84 Frame Anchors: side - intact
top center - intact
sill - intact
Shutter Boards: removed with shutter
Shutter/Frame: removed with shutter
Toggle Plates: none extant
Toggles: none extant

86 Frame Anchors: side - intact
top center - intact
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: intact
Toggles: intact

88 Frame Anchors: side - intact
top center - intact
sill - intact
Shutter Boards: removed with shutter
Shutter/Frame: removed with shutter
Toggle Plates: none extant
Toggles: none extant

90 Frame Anchors: side - intact
top center - intact
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (Baldwin)
Toggle Plates: intact
Toggles: intact
Frame Anchors:
side - intact
top center - intact
sill - intact

Shutter Boards:
removed with shutter

Shutter/Frame:
removed with shutter

Toggle Plates:
none extant

Toggles:
none extant

---

Frame Anchors:
side - intact; extra shim at east anchor
top center - intact
sill - intact

Shutter Boards:
(2) 5-knuckle butt hinges (T & C Clark)
(2) 2-knuckle butt hinges

Shutter/Frame:
(2) 5-knuckle butt hinges (Baldwin)
(2) 2-knuckle butt hinges

Toggle Plates:
intact

Toggles:
(3) intact; other - missing

---

Frame Anchors:
side - intact
top center - intact
sill - intact

Shutter Boards:
(4) 5-knuckle butt hinges (T & C Clark)

Shutter/Frame:
(4) 5-knuckle butt hinges (Baldwin)

Toggle Plates;
intact

Toggles:
intact

---

Stables

Frame Anchors:
side - intact
top center - intact
sill - intact

Shutter Boards:
removed with shutters

Shutter/Frame:
(2) 2-knuckle remain on west stile of frame

Toggle Plates:
intact

Toggles:
(2) intact; others - missing

---

Frame Anchors:
side - intact
top center - intact
sill - intact

Shutter Boards:
removed with shutter

Shutter/Frame:
removed with shutter

Toggle Plates:
intact

Toggles:
intact

---

Frame Anchors:
side - intact
top center - intact
sill - intact

Shutter Boards:
removed with shutter

Shutter/Frame:
removed with shutter

Toggle Plates:
removed

Toggles:
removed
104  Frame Anchors: side - intact
           top center - intact
           sill - intact
Shutter Boards: removed with shutter
Shutter/Frame: removed with shutter
Toggle Plates: intact
Toggles: missing

106  Frame Anchors: side - intact
           top center - intact
           sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (N Eng Butt Co)
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

108  Frame Anchors: side - intact; moved upward with an extra shim on west
           top center - intact; dislodged
           sill - intact
Shutter Boards: (4) T-hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

110  Frame Anchors: side - intact
           top center - intact
           sill - intact
Shutter Boards: removed with shutter
Shutter/Frame: removed with shutter
Toggle Plates: intact
Toggles: missing

112  Frame Anchors: side - intact
           top center - intact
           sill - intact
Shutter Boards: removed with shutter
Shutter/Frame: removed with shutter
Toggle Plates: (1) intact; other - missing
Toggles: missing

114  Frame Anchors: side - intact
           top center - intact; dislodged
           sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (N Eng Butt Co)
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact
Frame Anchors: side - intact
          top center - intact; dislodged
          sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (N Eng Butt Co)
Shutter/Frame: (4) 2-knuckle butt hinges (top, west - broken)
Toggle Plates: intact
Toggles: (3) intact; top, east - missing

* * *

North Wall

West Addition

1 Frame Anchors: side - intact
          top center - missing
          sill - intact
Shutter Boards: (1) 5-knuckle ball butt hinge (bottom, east)
          (3) T-hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: (2) intact
Toggles: missing

3 Frame Anchors: side - intact
          top center - intact
          sill - intact
Shutter Boards: (3) 5-knuckle butt hinges (N Eng Butt Co)
          (1) 5-knuckle ball butt hinge (bottom, west)
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

5 Frame Anchors: side - intact
          top center - missing
          sill - intact
Shutter Boards: (2) 5-knuckle butt hinges (west - N Eng Butt Co)
          (2) T-hinges (east)
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: (3) toggles - intact; lower east - missing

7 Frame Anchors: side - intact
          top center - intact
          sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (plain)
Toggle Plates: intact
Toggles: intact
Frame Anchors: side - intact
top center - intact; askew
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (plain)
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
top center - missing
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (N.E. Butt Co)
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: (3) intact; other - missing

Frame Anchors: side - intact
top center - missing
sill - intact
Shutter Boards: (4) strap hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
top center - missing
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (N.E. Butt Co); top, east - broken
Shutter/Frame: (4) 2-knuckle butt hinges; bottom, east - broken
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
top center - missing
sill - intact
Shutter Boards: (4) T-hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
top center - missing
sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (N Eng Butt Co)
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

417
Frame Anchors: side - intact
top center - missing
sill - intact

Shutter Boards: (4) T-hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
top center - intact; but askew
sill - intact

Shutter Boards: (2) 5-knuckle butt hinges (west - N Eng Butt Co)
(2) 5-knuckle butt hinges (east - plain)
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: (3) intact; other - missing

Frame Anchors: side - intact
top center - missing
sill - intact

Shutter Boards: (4) T-hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
top center - missing
sill - intact

Shutter Boards: (4) 5-knuckle butt hinges (N Eng Butt Co)
Shutter/Frame: (4) 2-knuckle butt hinges (plain)
Toggle Plates: intact
Toggles: (1) intact (lower west); others - missing

Frame Anchors: side - intact
top center - missing
sill - intact

Shutter Boards: (4) T-hinges
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
top center - missing
sill - intact

Shutter Boards: (2) 5-knuckle butt hinges (plain)
(2) 5-knuckle butt hinges (N Eng Butt Co)
Shutter/Frame: (2) 2-knuckle butt hinges (west)
(2) 5-knuckle ball butt hinges (east)
Toggle Plates: intact
Toggles: intact

418
Frame Anchors:  side - intact
   top center - intact
   sill - intact

Shutter Boards:  (4) T-hinges

Shutter/Frame:  (4) 2-knuckle butt hinges

Toggle Plates:  intact

Toggle:  intact

Frame Anchors:  side - intact
   top center - intact
   sill - intact

Shutter Boards:  (4) 5-knuckle butt hinges (T & C Clark)

Shutter/Frame:  (3) 5-knuckle butt hinges (T & C Clark)
   (1) 5-knuckle butt hinge (Baldwin)

Toggle Plates:  intact

Toggle:  intact

Frame Anchors:  side - west side intact; east missing
   top center intact
   sill - intact

Shutter Boards:  (4) 5-knuckle butt hinges (T & C Clark)

Shutter/Frame:  (4) 5-knuckle butt hinges (T & C Clark)
   (3) 5-knuckle butt hinges (Baldwin)

Toggle Plates:  intact

Toggle:  intact; other - missing

Frame Anchors:  side - intact
   top center - intact; bolt missing
   sill - intact

Shutter Boards:  (4) 5-knuckle butt hinges (T & C Clark)

Shutter/Frame:  (4) 5-knuckle butt hinges (T & C Clark)
   (3) 5-knuckle butt hinges (Baldwin)

Toggle Plates:  intact

Toggle:  intact

Frame Anchors:  side - intact
   top center - intact
   sill - intact

Shutter Boards:  (2) 5-knuckle butt hinges (Baldwin)
   (2) 5-knuckle butt hinges (N.E. Butt Co)

Shutter/Frame:  (4) 5-knuckle butt hinges (plain)

Toggle Plates:  intact

Toggle:  intact; top east - missing

Frame Anchors:  side - intact
   top center - intact
   sill - intact

Shutter Boards:  (4) 5-knuckle butt hinges (T & C Clark)

Shutter/Frame:  (4) 5-knuckle butt hinges (T Clark Best)

Toggle Plates:  intact

Toggle:  intact
| Frame Anchors: | side - intact  
top center - intact  
sill - intact |
| Shutter Boards: | (4) 5-knuckle butt hinges (Baldwin) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (plain) |
| Toggle Plates: | intact |
| Toggles: | intact |

| Frame Anchors: | side - intact  
top center - intact  
sill - intact |
| Shutter Boards: | (4) 5-knuckle butt hinges (T & C Clark) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (T Clark Best) |
| Toggle Plates: | intact |
| Toggles: | intact |

| Frame Anchors: | side - intact  
top center - intact  
sill - intact |
| Shutter Boards: | (4) 5-knuckle butt hinges (Baldwin) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (plain) |
| Toggle Plates: | intact |
| Toggles: | intact |

| Frame Anchors: | side - intact  
top center - intact  
sill - intact |
| Shutter Boards: | (4) 5-knuckle butt hinges (T & C Clark) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (T Clark Best) |
| Toggle Plates: | intact |
| Toggles: | intact |

| Frame Anchors: | side - intact  
top center - intact  
sill - intact |
| Shutter Boards: | (4) 5-knuckle butt hinges (Baldwin) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (plain) |
| Toggle Plates: | intact |
| Toggles: | intact |
Frame Anchors: side - intact
          top center - intact
          sill - intact
Shutter Boards: (4) 5-knuckle butt hinges *(T & C Clark)*
Shutter/Frame: (4) 5-knuckle butt hinges *(T Clark Best)*
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact; but lowered
          top center - intact
          sill - intact
Shutter/Boards: (4) 5-knuckle butt hinges *(N.E. Butt Co)*
Shutter/Frame: (4) 2-knuckle butt hinges
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
          top center - intact
          sill - intact
Shutter Boards: (4) 5-knuckle butt hinges *(T & C Clark)*
Shutter/Frame: (4) 5-knuckle butt hinges *(T Clark Best)*
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
          top center - intact
          sill - intact
Shutter Boards: (4) 5-knuckle butt hinges *(Baldwin)*
Shutter/Frame: (4) 5-knuckle butt hinges *(plain)*
Toggle Plates: intact
Toggles: (3) intact; east lower - missing

Frame Anchors: side - intact
          top center - intact
          sill - intact
Shutter Boards: (4) 5-knuckle butt hinges *(T & C Clark)*
Shutter/Frame: (4) 5-knuckle butt hinges *(T Clark Best)*
Toggle Plates: intact
Toggles: intact

Long Storehouse I

Frame Anchors: side - intact
          top center - intact
          sill - intact
Shutter Boards: (4) 5-knuckle butt hinges *(T & C Clark)*
Shutter/Frame: (4) 5-knuckle butt hinges *(T Clark Best)*
Toggle Plates: intact; upper plate - new
Toggles: intact
69  Frame Anchors: side - intact; loose
    top center - intact; loose
    sill - intact
Shutter Boards:  (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (3-plain; 1-T Clark Best)
Toggle Plates: intact; possibly new
Toggles: intact

71  Frame Anchors: side - intact
    top center - intact
    sill - intact
Shutter Boards:  (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: intact; possibly new
Toggles: intact

73  Frame Anchors: side - intact; shifted
    top center - intact; shifted
    sill - intact; shifted
Shutter Boards: removed with shutters
Shutter/Frame: removed with shutters
Toggle Plates: removed; evidence for intact
Toggles: removed

75  Frame Anchors: side - intact
    top center - intact; some shifting
    sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: intact; possibly new
Toggles: intact

77  Frame Anchors: side - intact
    top center - intact
    sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (Baldwin)
Shutter/Frame: (4) 5-knuckle butt hinges (plain)
Toggle Plates: intact
Toggles: intact

79  Frame Anchors: side - intact
    top center - intact
    sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: intact
Toggles: intact
Frame Anchors: side - intact
     top center - intact
     sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
     top center - intact
     sill - west, intact; east, missing
Shutter Boards: removed with shutters
Shutter/Frame: removed with shutters
Toggle Plates: none extant
Toggles: none extant

Frame Anchors: side - intact; some screws missing
     top center - intact
     sill - intact
Shutter Boards: (4) 5-knuckle butt hinges (T & C Clark)
Shutter/Frame: (4) 5-knuckle butt hinges (T Clark Best)
Toggle Plates: (3) intact
Toggles: (6) intact

Frame Anchors: side - intact
     top center - intact
     sill - intact
Shutter Boards: removed with shutters
Shutter/Frame: removed with shutters
Toggle Plates: intact; nailed on side jambs are (2) plates
Toggles: none extant

Frame Anchors: side - intact; appear new
     top center - intact
     sill - intact
Shutter Boards: (3) removed
     (1) 5-knuckle butt hinges (top, east - T & C Clark)
     (1) small strap hinge (bottom, east)
Shutter/Frame: (2) removed
     (2) 5-knuckle butt hinges (east - Baldwin)
Toggle Plates: intact
Toggles: intact

Frame Anchors: side - intact
     top center - intact
     sill - intact
Shutter Boards: (3) 5-knuckle butt hinges (Baldwin); lower, east-
     missing
Shutter/Frame: (4) 5-knuckle butt hinges (plain)
Toggle Plates: intact; possibly new
Toggles: intact; possibly new
| Frame Anchors: | side - intact |
| Shutter Boards: | removed with shutters |
| Shutter/Frame: | removed with shutters |
| Toggle Plates: | intact |
| Toggles: | intact |

| Frame Anchors: | side - intact |
| Shutter Boards: | (4) 5-knuckle butt hinges (T & C Clark) |
| Shutter/Frame: | (4) 5-knuckle butt hinges (Baldwin) |
| Toggle Plates: | intact |
| Toggles: | intact |

**Stables**

| Frame Anchors: | side - none extant |
| Shutter Boards: | removed with shutters |
| Shutter/Frame: | removed with shutters |
| Toggle Plates: | removed |
| Toggles: | removed |

| Frame Anchors: | side - intact |
| Shutter Boards: | removed with shutters |
| Shutter/Frame: | removed with shutters |
| Toggle Plates: | intact |
| Toggles: | intact |

| Frame Anchors: | side - intact |
| Shutter Boards: | removed with shutters |
| Shutter/Frame: | removed with shutters |
| Toggle Plates: | intact; extra plate nailed on west jamb of archway |
| Toggles: | intact |

| Frame Anchors: | side - intact |
| Shutter Boards: | removed with shutters |
| Shutter/Frame: | removed with shutters |
| Toggle Plates: | intact |
| Toggles: | intact |

| Frame Anchors: | side - intact |
| Shutter Boards: | removed with shutters |
| Shutter/Frame: | removed with shutters |
| Toggle Plates: | intact |
| Toggles: | intact |

424
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<tr>
<td></td>
<td>sill - intact</td>
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<td>Shutter/Frame:</td>
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<td>Toggle Plates:</td>
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<tr>
<td>Shutter Boards:</td>
<td>(2) removed with west shutter</td>
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<tr>
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<td>Shutter/Frame:</td>
<td>(2) removed with shutter</td>
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<tr>
<td></td>
<td>(2) 2-knuckle butt hinges (east)</td>
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<td>top center - intact</td>
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<td></td>
<td>sill - intact</td>
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<tr>
<td>Shutter Boards:</td>
<td>(4) 5-knuckle butt hinges (not accessible to see manufacturer's name)</td>
</tr>
<tr>
<td>Shutter/Frame:</td>
<td>(4) 2-knuckle butt hinges</td>
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<td>Toggle Plates:</td>
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<td>Toggles:</td>
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<tr>
<td>Shutter/Frame:</td>
<td>(4) 2-knuckle butt hinges</td>
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<tr>
<td>Toggle Plates:</td>
<td>intact; extra plate nailed to west jamb of archway</td>
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<tr>
<td>Toggles:</td>
<td>intact</td>
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<td>sill - intact</td>
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<tr>
<td>Shutter Boards:</td>
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<td>Shutter/Frame:</td>
<td>(4) 2-knuckle butt hinges</td>
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<tr>
<td>Toggle Plates:</td>
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<td>Toggles:</td>
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APPENDIX E.

Inventory of Fire Doors
General Comments: The inventory includes fire doors and a corrugated rolled-door. They are all hung on interior masonry walls. The door at bay 59, although on the north exterior wall, is theoretically an interior door because it leads to the passageway between Buildings 19 and 32. The inventory is organized according to story and wall, proceeding from the first story to the loft and west (PW3) to east (PW7). (PW is the abbreviation used in this report for masonry partition wall.)

Two types of fire-doors were uncovered in the inventory. One manufactured by Coburn and the second by Philipp. The fire doors are very similar to one another. Possibly the manufacturers are still in business or either period trade catalogues may be obtained of the doors to enable a more accurate description of their features.

I. First-Story Fire Doors
   A. PW3, East Side (manufacturer unknown; possibly Philipp)
   B. PW5, East Side (Coburn)
   C. Bay 59, North Wall, South Side (Philipp)
   D. PW7, West Side (manufacturer unknown; corrugated, rolled door)

II. Second-Story Fire Doors
   A. PW3, East Side (Coburn)
   B. PW5, East Side (Coburn)
   C. PW7, West Side (Philipp)

III. Loft-Story Fire Doors
   A. PW3, West Side (Coburn)
   B. PW5, West Side (Coburn)
   C. PW7, East Side (Philipp)
Typical fire door. Loft, PW3.
I. First-Story Fire Doors
First story, PW5. Sliding fire-door mounted on east side of wall.
I-B. PW5, East Side

Manufacturer: Coburn Door 
Holyoke, Massachusetts

Stamped Plates: "FIREDOORSTOCK GUARANTEED"

Underwriters Plate: Not visible.

Dimensions: 

Masonry Opening
Height - 10'11-1/2"
Width - 9'11"

Door
Thickness - 2-3/4"
Height at Opening End - 11'5"
Height at Hinge End - not accessible
Width - approx. 10'4"

Operation: Mounted on the east side of PW5 (west wall of LSH I); door slides from north to south.

Cladding:
Plates: 18" high x 10" wide; 5/8" folded-over seams.
Battens: Two battens laid horizontally, secured to door with screw/bolts/washers on each side.

Pulley System:
Upper Pulley-Mount: Door/pulley held by three typical brackets; pulley track secured to wall by ten anchors (round design); extends to south beam at center of south arch.
Pulley Lever/Rope: Pulley rope/lever intact.
Pulley Box: Box front face missing.
Pulley Batten: Located on the lower west side.

Bumper Guard: None extant.

Hardware: Two side bracket-stops mounted north of opening (top - two round design; bottom - two square design).

Finishes: Typical; grey with black circle at hardware.

Threshold: Asphalt, as in center aisle of first-story floor.

Lintel: Masonry at the edges and iron plates in the center.
First story, bay 59. Sliding fire-door mounted at passageway to Building 32.
I-C. Bay 59, North Wall, South Side

Manufacturer: The Philipp Mfg. Co.
Easthampton, Massachusetts
R 1913

Stamped Plates: "Wheeling * Cop-R-Lot * Fire Door * Standard * Wheeling *
Corrugating"

Underwriters Plate: "Underwriters Laboratories, Inc. * Inspected Fire Door *
For Opening in Fire Wall * No. 604242"

Dimensions: Masonry Opening
Not accessible.

Door
- Thickness - 2-5/8"
- Height at Opening End - 12'3"
- Height at Hinge End - 12'7"
- Width - 10'8"

Operation: Mounted on north wall; occupies bay 59; double door; one
half opens west; other half opens east; door is shorter at
center point.

Cladding: Plates: 18" high x 10" wide; 5/8" folded-over seams; a
rusted strip stretches the height of the doors at its
center.
Battens: Two battens laid horizontally, secured to door
with screw/bolts/washers on each side.

Pulley System: Upper Pulley-Mount: Four typical brackets secure doors;
two on each door. Upper pulley-mount is attached on either
side, to the gauged brickwork of the respective arches.
Pulley Lever/Rope: Only one rope/lever functional (west
functional; east non-functional); both levers intact.
Pulley Box: Only one box is extant, east of the opening;
it is dislodged.
Pulley Batten: One mounted on each lower end of the south
side of the door.
Floor Pulley: Two mounted at floor level at either side of
door.

Bumper Guard: None intact.

Finishes: Plates painted grey; black circle at center point.

Threshold: Not accessible.

Lintel: Not accessible.
First story, PW7. Corrugated rolled door mounted above rectangular opening.
I-D. PW7, West Side

Type: Corrugated, rolled door. Not accessible for close study.

Manufacturer: Manufacturer's name not visible.

Underwriters Plate: None visible.

Dimensions: Masonry Opening
  Height - 11'
  Width - 11'
  Wall Thickness - 2'4"

Door
  Thickness - inaccessible to measure
  Height at Opening End - inaccessible to measure
  Height at Hinge End - inaccessible to measure
  Width - inaccessible to measure

Operation: Mounted on the west side of PW7; corrugated aluminum rolls upward to lintel; runs on track on either side of door; activated by a pulley chain.

Materials: Corrugated aluminum; iron hardware.

Pulley System: Pulley Track: Vertically mounted at either side of the opening.
  Pulley Chain: Mounted to the south of the opening.

Bumper Guard: Either side of masonry opening is a bumper guard 5' high; angle iron; 4" x 4" wide.

Finishes: Appears not to be finished.

Threshold: 1'3" concrete plates on either side of opening and concrete and asphalt in the opening.

Lintel: Metal plate underneath; brick shows on either side and the corners are finished with channel beams.

Conditions: Ironwork very corroded; corrugated door appears bent and non-operable.
II. Second-Story Fire Doors
II-A. PW3, East Side

Manufacturer: Coburn Door
Holyoke, Massachusetts

Stamped Plates: "FIREDOORSTOCK GUARANTEED"

Underwriters Plate: None visible.

Dimensions:
Masonry Opening
  Height - 8'
  Width - 7'9"
Door
  Thickness - 2-1/2"
  Height at Opening End - 8'4"
  Height at Hinge End - 8'10"
  Width - 8'5"

Operation: Mounted on the east side of PW3; door slides from south to north.

Cladding: Plates: 18" high x 10" wide; 5/8" folded-over seams.
Battens: Two battens laid horizontally, secured to door with screw/bolts/washers on each side.

Pulley System:
Upper Pulley-Mount: Door/pulley held by three typical brackets; pulley track secured to wall with nine anchors (seven round design; two square/round design).
Pulley Lever/Rope: Pulley rope broken.
Pulley Box: Intact; east side in front of the north bay arch infill.
Pulley Batten: A pulley batten is on the lower east side.
Floor Pulley: Pulley mounted at north jamb of opening, east side.

Bumper Guard: Galvanized aluminum bumper-guard extant on south end of door; from the door handle to the floor.

Hardware: Typical "Coburn" hardware; two side bracket-stops mounted on wall north of opening (one round design; other not visible); door handle on east side; sliding door-pull on west side.

Finishess: Painted grey, black circle at center point; pulley box painted grey.

Threshold: Concrete - 2' wide; length extends from jamb-to-jamb.

Lintel: Metal I-beam and plate. From east to west: a 4" high x 9" wide I-beam; 2-1/2" of exposed brick; 11-1/2" wide, metal plate; and 1" brick.
II-B. PW5, East Side

**Manufacturer:** Coburn Door
Holyoke, Massachusetts

**Stamped Plates:** "FIREDOORSTOCK GUARANTEED"

**Underwriters Plate:** None visible.

**Dimensions:**
- **Masonry Opening**
  - 8'11" square
- **Door**
  - Thickness - 2-5/8"
  - Height at Opening End - 8'5"
  - Height at Hinge End - 8'11"
  - Width - 8'8"

**Operation:** Mounted on east side of PW5; door slides from south to north.

**Cladding:**
- **Plates:** 18" high x 10" wide; 5/8" folded-over seams.
- **Battens:** Two sets of horizontal battens; molded on the west; secured with eleven screw/bolts.

**Pulley System:**
- **Upper Pulley-Mount:** Door/pulley held by three brackets; hung in reverse to typical design. Pulley track secured to wall by six brackets/anchors; different design from others.
- **Pulley Lever/Rope:** Pulley rope/lever broken.
- **Pulley Box:** Wooden box at the end of the pulley (approximately 6-4" high x 9" deep x 7-1/2" wide); shorter than the rest; broken.
- **Pulley Batten:** Mounted on the lower east side of the door.
- **Floor Pulley:** Mounted on floor north of opening, east side.

**Bumper Guard:** None extant.

**Hardware:**
- Two side bracket-stops mounted to south of opening; anchors mounted on the west side of the wall two round and two square design; door handle on east side; sliding door-pull on west side.

**Finishes:** Grey, with black circle; paint is more worn than on the Philipp doors.

**Threshold:** Concrete; 23-1/2" wide x 196" long (extends 4'3" beyond the jamb on south side of opening; crack at the center.

**Lintel:** Rectangular opening; brick and metal plate; from east to west: 2-1/2" exposed brick; 11-1/2" wide, metal plate; 2" exposed brick. Total width 16."
II-C. PW7, West Side  (door obstructed)

Manufacturer: Philipp Manufacturing Co.
Easthampton, Massachusetts R1913

Stamped Plates: Not stamped.

Underwriters Plate: No. 629364 * 1942

Dimensions: Masonry Opening
Height - 8'1" to current dimension; 114", originally.
Width - 7'10-1/2"

Door
Thickness - 2-5/8"
Height at Opening End - 8'5"
Height at Hinge End - 8'10"
Width - 8'8"

Operation: Mounted on west wall of PW7; door slides from north to south.

Cladding: Plates: 18" high x 10" wide; 5/8" folded-over seams.
Battens: Two horizontal battens extant; molded on the east; secured with eleven screw/bolts on the west.

Pulley System:
Upper Pulley-Mount: Door/pulley held by three brackets; pulley track secured to wall and lintel by eight anchors (square design); one missing, therefore would have made nine total; three visible on the east wall.
Pulley Lever/Rope: Pulley/level and rope intact.
Pulley Box: Pulley box mounted on wall to south of opening.
Pulley Battens: Mounted on the lower east side.
Floor Pulley: South of opening, west side.

Bumper Guard: None extant.

Hardware: "Coburn" manufactured hardware; door handle on west side; sliding door-pull on east side; wedge at lower, batten end.

Finishes: Grey, with black circles; pulley box - grey.

Threshold: Concrete and metal; concrete below; and a 3' wide metal plate above, screwed to the concrete.

Lintel: 16" wide lintel; consisting of brick, metal angle-bars and plates; from east to west: 10" high x 2-3/4" wide angle-bar; exposed brick; 6" wide metal plate; 10" high x 2-3/4" wide angle-bar.
III. Loft-Story Fire Doors
III-A. PW3, West Side

Manufacturer: Coburn Door
Holyoke, Massachusetts

Stamped Plates: Not stamped.

Underwriters Plate: "Underwriters Laboratories Inc. * Inspected Fire Door * For Opening in Fire Wall * No. 177758

Dimensions:
- Masonry Opening
  - Height - 7'9-1/2"
  - Width - 6'1"
- Door
  - Thickness - 2-1/2"
  - Height at Opening End - 8'3-1/2"
  - Height at Hinge End - 8'8"
  - Width - 6'8"

Operation: Mounted on the west wall of PW3; door slides from south to north.

Cladding:
- Plates: 18" high x 10" wide; 5/8" folded-over seam.
- Battens: Two typical battens; molded on the east side; secured with eight screws each.

Pulley System:
- Upper Pulley-Mount: Door/pulley held by two brackets; pulley track secured to wall by seven anchors, visible on the east wall.
- Pulley Lever/Rope: Pulley rope/lever intact.
- Pulley Box: Intact, west side, north of opening
- Pulley Batten: Mouned on west side.
- Floor Pulley: West side, north of opening.

Bumper Guard: None extant.

Hardware:
- Two side bracket-stops mounted south of opening; four round anchors visible on the east wall; door handle on west side; sliding door-pull on east side.

Finishes:
- Painted metallic grey, with black circles; pulley box-unpainted.

Threshold:
- Concrete - 2' wide; runs from jamb to jamb; flush with the floor in the West Addition and meets with ramp in LSH II because floor is lower.

Lintel:
- Brick and metal plates; from east to west: 1" exposed brick; 15" wide x 4" high metal U plate; the metal plate extends into the wall on either side of the opening for 15" to 17".
III-B. PW5, West Side

Manufacturer: Coburn Door
Holyoke, Massachusetts

Stamped Plates: "FIREDOORSTOCK GUARANTEED"

Underwriters Plate: "Underwriters Laboratories, Inc. * Inspected Fire Door * On Opening in Fire Wall * No. 177772 (.1?)

Dimensions: Masonry Opening
Height - 8'5"
Width - 6'
Door
Thickness - 2-1/2"
Height at Opening End - 8'3-1/2"
Height at Hinge End - 8'8"
Width - 6'8"

Cladding: Plates: 18" high x 10" wide; 5/8" folded-over seams.
Battens: Two battens on east side.

Operation: Mounted on the west wall of PW5; door slides from south to north.

Pulley System: Upper Pulley-Mount: Door/pulley held by two brackets; pulley track secured to wall by seven anchors (square within a circle design).
Pulley Lever/Rope: Pulley rope broken.
Pulley Battens: Mounted on the lower west side.
Floor Pulley: Secured to floor south of opening, west side.

Bumper Guard: None extant.

Hardware: Two side brackets mounted south of opening; door handle on east side; sliding door-pull on west side.

Finishes: Door painted grey, except for black circle at hardware.
Pulley box - painted grey.

Threshold: Concrete - 1'5-1/2"; appears to stop at jamb opening.

Lintel: Brick and metal U-plate; from east to west: 4" brick; 15" wide x 4" high metal U-plate; 1-1/2" wide brick. Header course (bricks turned broad side) marks lintel, thirty-nine bricks extending nine bricks beyond the opening. At lintel corners are one brick below.
III-C. PW7, East Side

Manufacturer: The Philipp Manufacturing Co.
Easthampton, Massachusetts * R1913

Stamped Plates: Not stamped.

Underwriters Plate:
"Underwriters Laboratories Inc. * EAS 1942 * Inspected Fire Door * For Opening in Fire Wall * No. 629366

Dimensions:
- Masonry Opening
  - Height - 8'
  - Width - 6'

- Door
  - Thickness - 2-1/2"
  - Height at Opening End - 8'4"
  - Height at Hinge End - 8'9"
  - Width - 6'8"

Operation: Mounted on the east wall of PW7; door slides open from south to north.

Cladding:
- Plates: 18" high x 10" wide; 5/8" folded-over seam.
- Battens: 1" wide; two on each side of the door; molded on the west side; eight round-headed bolts.

Pulley System:
- Upper Pulley-Mount: Door/pulley held by two brackets; pulley track secured to wall by six anchors (square design); 3 anchors visible on the west side of the wall.
- Pulley Lever/Rope: Pulley rope/lever intact.
- Pulley Box: Located north of opening, east wall; 7-1/4" deep x 7-3/4" wide x 90" high (with a slanted upper edge).
- Pulley Batten: Mounted on the lower east side.
- Floor Pulley: Secured to the floor, north of opening, east side.

Bumper Guard: None extant.

Hardware: "Coburn" manufactured hardware; two brackets intact (square within a circle); door handle on east side; sliding door-pull on west side.

Finishes: Painted grey, with black circle at hardware; stencilled in black letters on door "Keep This Door Closed".

Threshold: Concrete; 2' wide x 6' long at opening.
Lintel: Rectangular opening; newer bricks are lighter in color; brick and metal angle-bars; metal lintel extends into the wall on each side; a row of headers sits on the lintel; from west to east: 10" high x 4" wide angle-bar; exposed brick; a metal plate; exposed brick; 10" high x 4" wide angle-bar.