

SALEM'S PIONEER VILLAGE AND CAMP NAUMKEAG

Background Information for a Consultation with the Salem Historic Commission

June 2, 2021

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Salem's Pioneer Village and Camp Naumkeag Background Information For a consultation with the Salem Historic Commission

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 - Camp Naumkeag Facility Assessment by MDA dated March 31, 2017
 - Pioneer Village Facility Assessment by EMG dated March 26, 2018
 - o Camp Naumkeag Facility Assessment by EMG dated April 2, 2018

I. Purpose of this document

This document is intended to provide background information on a proposal to relocate and restore the historic Pioneer Village on the current site of Camp Naumkeag. This document includes a summary of the history of the sites, goals for the relocation, and process to accomplish this project. This document supports a presentation to be made to the Salem Historic Commission on June 2, 2021.

II. The Proposal

The City of Salem is proposing to relocate the Pioneer Village to the site of Camp Naumkeag.

The Pioneer Village is a valuable historic resource that is currently located in a coastal flood plain making the site vulnerable to current storm surges and future sea level rise. It is located within a residential neighborhood in the Forest River neighborhood, adjacent to the Forest River Park.

The proposed location for the Pioneer Village is the current site of Camp Naumkeag which is on the Salem Trolley line, and adjacent to high tourism areas. Camp Naumkeag's site is at higher elevation than the current location of the Pioneer Village and has sufficient area to expand the Pioneer Village and enable it to better serve its historic mission.



The City has recently relocated the YMCA Summer Camp to Forest River Park because of its proximity to a residential area, the wider variety of recreational amenities and the availability of parking for drop off and pick up: this has left the Naumkeag site vacant. The existing Camp Naumkeag structures are in poor condition and are proposed to be demolished as part of the Pioneer Village relocation, subject to local agreement and the approval of the Massachusetts Historical Commission.

III. The Sites

The Pioneer Village: Significance, History and Current Program

What is the significance of the Pioneer Village?

The Pioneer Village is significant for four reasons:

- Indigenous history: The Pioneer Village offers a unique opportunity to educate and raise awareness about the indigenous people of the area.
- Colonial history: The Pioneer Village commemorates and recognizes the arrival of Governor Winthrop, which ensured the success of the Massachusetts Bay Colony through the continuous successful occupation of the future site of Salem.
- Museum history: The Pioneer Village is America's first living history museum and created a concept for museums which has been widely adopted.
- Environmental history: The Pioneer Village is uniquely positioned to expand the understanding and discuss the environmental and cultural impacts of the meeting of native and immigrant cultures.

When was the Pioneer Village constructed and why?

The Pioneer Village was the brainchild of American antiquarian George Francis Dow (1868-1936). The Pioneer Village was created in 1930 as the set for a play as part of the Massachusetts Tercentennial Events. It was part of the rise of interest in the colonial era, which grew exponentially at this time. Audience members watched a re- enactment of the June 1630 arrival of John Winthrop and the families of Thomas Dudley and Simon Bradstreet in Dow's re-imagined Salem of that era. A replica of the Arbella, the flagship of the Winthrop Fleet, was also built at this time.

The set was meant to be temporary, but it was preserved by the City of Salem. It was repurposed as the Salem Pioneer Village, the first living history museum in the United States, which opened later that year.

In keeping with its origins as a set for a play, one of the buildings was used as a set in the 1993 film Hocus Pocus, which has become a cult favorite. In the opening scenes of the film, the character Thackeray Binx was cursed and transformed into a cat. Fans of the movie often visit the site to see the "Thackeray Binx" house: https://www.salem.org/hocus-pocus-filming-locations-salem-ma/

What is the current program at Pioneer Village?

The Pioneer Village is currently open weekends from June through October. Visitors arrive at the Pioneer Village along Shore Avenue and park at the recently completed parking area. Visitors cross the new bridge to the site and arrive at the tour meeting point. Two costumed guides walk through the site, building by building. The key points of discussion on the tour are:

- Native Americans
- Women's Lives
- Men's Lives
- Children's Lives
- Herb Garden and Blacksmith Forge

The main points of discussion are:

- Native Americans: the world which existed when the two cultures encountered each other
- Women's Lives (the Family Economy): fabric production, cooking, childcare, garden, housekeeping
- Men's Lives (Religious and political structures): significance of charter, size and importance of colony, differences in status and wealth, Puritan religion and beliefs
- Children's Lives (Responsibility and Play): vital responsibilities for family economy, pastimes
- Herb Garden (Food production): colonial cooking, medicine and herbs
- Blacksmith Forge: (Industry): smithing, salt pits, sawmill

A fourth building, currently unused, is known as the Lady Arabella Cottage. An adjacent structure provides space for a small gift shop.

The Pioneer Village hosts a number of events throughout the year. An example is the Salem Spice Festival, which brings vendors, exhibits, colonial music and song, open hearth cooking, herbal remedies, demonstrations, games and storytelling together on the site.

Camp Naumkeag

What is the history of Camp Naumkeag?

The following is excerpted from http://www.noblenet.org/salem/wiki/index.php/Camp_Naumkeag:

"Camp Naumkeag near the Salem Willows began as a tuberculosis health day camp. Six years later the first buildings were built on the site. After the camp's buildings were destroyed by fire in 1930, it was rebuilt as the Salem Health Camp.

From 1944 to 1946, the camp was used by the Carpenter Street Home for Children. In 1946, the Rotary Club bought the buildings for the Salem Girl Scouts. The Girl Scout organization used the camp for the next 18 years but decided in 1964 there wasn't enough land at the site and left the camp. A volunteer group, the Naumkeag Associates, Inc. ran the camp starting in 1964. This group was able to keep the camp open with various fundraising efforts until the camp was taken over by the city of Salem in 2002.

Salem's Park and Recreation Commission took over the operation of this city-owned area, with the manager of Winter Island doing the bookings for family and business outings at the camp. The Salem YMCA has also used the camp for summer day care."

Additional information on the history of the Camp Naumkeag site is available here:

https://patch.com/massachusetts/salem/then-now-a-history-of-health

IV. The Vision

The goal of the relocation of the Pioneer Village is to recreate this educational resource on a more visible and accessible site with a sustainable financial plan to support the program.

The proposed program for the Pioneer Village on the Camp Naumkeag site

A key requirement of the relocation will be to maintain the physical arrangement of the four core historic structures (site of Women's Live, Men's Lives, Children's Lives and the Thackeray Binx house) in their historic spatial relationship. The image of these buildings and their physical relationships has been repeatedly documented and recorded and will continue to form the core of the Pioneer Village.

The proposed relocation of the Pioneer Village would incorporate the following to serve visitors:

- A trolley stop along Memorial Drive
- Handicapped parking for visitors
- A small visitor's center to provide space for: check-in and ticket collection, exhibit space, orientation film space, bathrooms, office and staff break room

In addition, the project may recreate some structures to illustrate the narrative of lives of the Native Americans or provide representation to be determined by the Massachusett tribe:

- Wetu (a domed hut providing shelter)
- Wigwam (a hybrid structures, also known as English wigwams, which combines atraditional native structure with a chimney and door)
- Tribal longhouse
- Fishing Weir
- Covered structure for mat production

Another important aspect of the Camp Naumkeag location is its proximity to Fort Lee. From Wikipedia:

"Fort Lee is a historic American Revolutionary War fort....... The site, located at a high point next to Fort Avenue on Salem Neck, is a relatively rare fortification from that period whose remains are relatively unaltered. Although there is some documentary evidence that the Neck was fortified as early as the 17th century, the earthworks built in 1776 are the first clear evidence of the site's military use. The site, of which only overgrown earthworks survive....... was federalized in 1867 and transferred to the City of Salem in 1922. The site was briefly rehabilitated at the time of the United States bicentennial in 1976, with trails and interpretive signs, but these were later removed, and the site has again become overgrown. The fort site was listed on the National Register of Historic Places in 1994."

The adjacency of Fort Lee offers an opportunity to further enrich the potential program of activities focusing on Salem's history in this area

Creating a sustainable program

The current Pioneer Village exists on a shoestring budget. The creation of a "new" Pioneer Village on the Camp Naumkeag site will be based on a financial pro forma for the operation of this historical amenity. The new site will bring both opportunities for revenue and operating costs that are not part of the current site and its uses. A key next step will be to develop an approach to operating the Pioneer Village that will underpin additional investment in the development of the project.

In keeping with the City of Salem's sustainable energy goals, the project will be designed to be Net Zero, meaning that the amount of energy provided by on-site renewable energy sources is equivalent to the amount of energy used.

V. What are the conditions of the existing facilities?

In 2018, EMG completed a Facility Condition Assessment of the facilities at both Camp Naumkeag and the Pioneer Village on behalf of the City of Salem. These studies are included as attachments.

It is important to note that the original structures of the Pioneer Village were constructed as a stage set and have been maintained by staff and friends of the Pioneer Village Museum. Because of the origin as a stage set, the buildings have only rubble foundations, do not have sanitary service and are not accessible.

VI. What permits are required to undertake the project in addition to the permission of the Salem Historic Commission?

Massachusetts Historic Commission (MHC). Four buildings at Camp Naumkeag are listed in the Massachusetts Cultural Resource Information system (MACRIS) but not included in the inventory. The MACRIS listing is attached to this document. The Pioneer Village is not in the inventory of MACRIS. However, the entire project can be presumed to be of great interest to MHC.

Modifications to the Naumkeag site, including any demolition/relocation of the buildings, are anticipated to require the filing of a Project Notification Form (PNF) and will require MHC review and approval. As part of due diligence, a survey of archaeological sources was completed by The Public Archaeology Lab, Inc. and found no potential archaeological resources. This survey was subsequently shared with MHC and confirmation of this conclusion was received December 4, 2020.

Conservation Commission. The relocation of the Pioneer Village may require an Order of Conditions from the Salem Conservation Commission. The Wetlands Protection Act requires that ConComm review projects which disturb land less than 100' from the high tide line. A goal of the design will be to remain outside of this boundary to minimize impacts on this sensitive environmental area.

Massachusetts Environment Protection Act (MEPA). The project as proposed does not appear to meet any of the thresholds that would require MEPA review: https://www.mass.gov/regulations/301-CMR- 1100-mepa-regulations#11-03-review-thresholds **Zoning.** The site of Camp Naumkeag is zoned Residential One Family (R1). City owned land to the east of the site is zoned Residential Conservation (RC). Private property to the west and across the street is Residential (R1). Municipal facilities, defined as facilities and buildings owned or operated by the City of Salem, are allowed by-right.



Residential Conservation (RC) Residential One Family (R1)

Local Water and Sewer. The introduction of a visitor's center on the Naumkeag site will require the introduction of sanitary facilities and will require a new water and sewer connection. Location of existing facilities will be gathered in the survey.

Local Site Plan Review. Site plan review is required for nonresidential structures or premises exceeding 10,000 gross square feet. As the "premises" are over 10,000sf it is anticipated that Site Plan Review will also be required.

At this time, the project is anticipated to be exempt from the Stormwater Management Permit from the Planning Board under Chapter 37 of the Code of Ordinances per Subsection 37.3(b)(6), which exempts: Stormwater discharges resulting from the activities identified in subsection 37-3(a) that are wholly subject to jurisdiction under either the Wetlands Protection Act or activities which are subject to Salem's Wetlands Protection and Conservation Ordinance and demonstrate compliance with the Massachusetts Stormwater Management Standards as reflected in an order of conditions issues by the conservation commission.

VII. Who will be the key participants in the process?

The Mayor has established an Advisory Group to comment on and assist with outreach to their communities. The Advisory Group is chaired by Elizabeth Peterson, the Executive Director of the Pioneer Village and the Witch House. The Advisory Group has met twice and anticipates meeting 2-3 times per year to provide a sounding board for the progress of the project. The current list of organizations and individuals who are participating includes:

- Ward 1 Councilor 1 (Bob McCarthy) and Ward 5 Councilor (Josh Turiel)
- Salem 400 (Whitney Leese)
- National Parks Service (Emily Murphy)
- House of 7 Gables (Dan Marshall)
- Salem Historical Commission (Patti Kelleher)
- Historic Salem, Inc. (Caroline Watson-Felt, Emily Udy)
- Salem Historical Society (David Moffatt)
- Peabody Essex Museum (Dean Lahikainen and Karen Kramer)
- Essex National Heritage (Ryan Conary)
- Gordon College and Salem Museum (David Goss)
- Peter Lachappele, retired NPS
- Jim McCallister, local tour guide
- Salem Trolley representative (Jim Hurrell)
- Salem State History Department and Dean (Tad Baker and Donna Seger)
- Massachusetts Tribe (Elizabeth Solomon and Ren Green)
- Destination Salem (Kate Fox)
- YMCA (Charity Lezama)
- Salem Public Schools (Emily Ullmann)

The City anticipates adding neighborhood representatives to this list as the project development progresses.

The project will also involve meetings with and participation from a number of City departments, particularly Parks & Recreation, Fire, Police and Engineering.

A regular cycle of updates for community input is also anticipated.

Attachments

- Pioneer Village Pamphlet
- Photographs of Camp Naumkeag Site
- MACRIS documentation, both sites
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The Arbella

Moored at the edge of the Village is the representation of Gov. Winthrop's flagship, the Arbella, a merchant ship of the early 17th century.

In this full size model the essential characteristics of a ship of that period are in evidence, including the Great Cabin, the lofty poop, fighting tops, the lateen rigged mizzen, the whip staff and high forecastle.

The Arbella completes the picture of early settlement, providing information on the methods of that romantic period of voyaging.

The Village is located in Forest River Park, one block east of the Salem Teachers' College at the junction of Route 1A and Route 129. Boston and Maine trains to Salem connect with busses.

ADMISSION TO VILLAGE 25c CHILDREN, 15c

ALEM PARK DEPARTMENT

The Pioneers' Village

Salem, Massachusetts

A REPRODUCTION OF THE SETTLEMENT IN THE WILDERNESS THAT WAS SALEM IN 1630.



Salt Works and Arhella House

"Actually worth a library of volumes on early settlement," is the opinion of a professor of American history.

Calvin Coolidge in 1931, writing of his visit to the Village and the hardihood of the pioneers said, "It would be wholesome to think more of these things. It would reduce complaint and increase contentment."

OPEN DAILY UNTIL DUSK



Panoramic view of Pioneers' Village reproducing Salem in 1630, four years after Roger Conant and the Old Planters had established themselves here in 1626 and two years after the arrival of John Endecott, governor and agent of the English syndicate which had purchased the land from the Plymouth Company.

The Village was established in 1930 by the City of Salem and citizens of Salem as Salem's contribution to the observance of the 300th anniversary of the founding of Massachusetts and the arrival of Gov. Winthrop in 1630 with the royal charter under Charles I.

It presents a complete and faithful picture of domestic life in New England three centuries ago.

Nowhere else in the country can be seen the types of homes built by the first settlers; how they built them and furnished them; how they dressed; how they supplied their needs in the wilderness and laid the foundation of a great commonwealth.

Here are the sod-roofed dugouts of palisaded logs and bark covered wigwams—types of shelters first built while the slow work of hewing timber and sawing it in the log pit for more permanent construction went on. Here are the pine cottages, thatch-roofed, with catted chimneys of logs and clay and deep fireplaces, typical of the homes they left in England.

Here is "the governor's fayre house" so described by Rev. Francis Higginson in letters to England, and representing the earliest type of architecture of the better kind in New England. And in its dooryard is a typical Puritan garden, where only plants useful in cooking or medicine were encouraged, and bloom was of secondary importance

Within these homes are the furnishings, cooking utensils and few comforts that served the needs of these hardy pioneers.

About the Village are the evidences of their industries—the apparatus for salt making; the pit for log sawing; the forge; the fish flakes; the brick kiln.

The pillory and stocks, required by law in Massachusetts settlements, stand in the Village square. Photographs of Camp Naumkeag Site











Massachusetts Cultural Resource Information System Scanned Record Cover Page

Inventory No:	SAL.IN
Historic Name:	Camp Naumkeag
Common Name:	Salem Health Camp
Address:	
City/Town:	Salem
Village/Neighborhood:	Salem Willows
Local No:	42-102
Year Constructed:	
Architect(s):	
Architectural Style(s):	
Use(s):	Camp; Other Medical
Significance:	Architecture; Community Planning; Health Medicine; Recreation
Area(s):	
Designation(s):	
Building Materials(s):	



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Commonwealth of Massachusetts Massachusetts Historical Commission 220 Morrissey Boulevard, Boston, Massachusetts 02125 www.sec.state.ma.us/mhc

This file was accessed on: Tuesday, October 25, 2016 at 10:10 AM

FORM A - AREA

Massachusetts Historical Commission 220 Morrissey Boulevard Boston, Massachusetts 02125



11

3886

USGS Quad

Area Letter

Form Numbers in Area

SAL. TN

Salem

IN

3886-3889

Town: Salem Place (neighborhood or village): Salem Willows

Name of Area: Camp Naumkeag Present Use: Recreational

Construction Dates or Period: by 1932 Overall Condition: good

Major Intrusions and Alterations: removal of two small buildings Acreage: 2.2 acres Recorded by: Lisa Mausolf Organization: Salem Planning Department Date (month/year): June 1998

M45-L85 MASS. HIST. COMN RECEIVE SEP 3 0 1998 2,00 2.0



AREA FORM (Camp Naumkeag)

ARCHITECTURAL DESCRIPTION

Describe architectural, structural and landscape features and evaluate in terms of other areas within the community.

AL IN

Camp Naumkeag is a group of four wood-frame buildings located on the waterfront at Salem Neck, just west of Salem Willows. The site is accessed from Memorial Drive by a paved driveway to the west of the Men's Cabin with a parking area up the hill at the western corner of the property. The area between the Ladies Cabin and the Lodge is enclosed by a picket fence. The property is largely open with vegetation consisting primarily of grass, punctuated by rock outcroppings. There is a flagpole and two concrete outdoor grills. The high point of the property is located in front of the Cottage - from this point the terrain descends to the road at the south end and to the sandy beach at the north end. A volleyball court is located to the south of the Men's Cabin.

The four buildings face each other roughly at right angles, forming a grassy, interior courtyard. The largest of the four buildings on the property is the Cottage (#1, MHC.3886), a single-story residence connected to a large open eating area, capped by a hip roof, on the southwest end. A screened porch projects from the east gable end of the cottage. Fenestration consists primarily of 6/6 sash, an additional casement window is a recent addition. Doors include wooden doors with five horizontal panels. The roof of the adjacent eating area is supported by pairs of 2 x 4's above a wooden deck with simple stick balusters. This building served as the residence of the camp director and as the nurse's residence during the health camp years.

To the east of the Cottage is the Men's Cabin (#2, MHC.3887), a single-story building sheathed in shiplap siding and capped by an asphalt roof. The building is oriented with its gable end, displaying close eves, facing the Cottage. Entrances are rentered on the north and west elevation, which respectively contain a vertical board door and a half-glass door. The walls are punctuated by square screened openings which are fitted with shutters for the winter.

To the southwest of the Men's Cabin is the Lodge (#3, MHC.3888), a long, single-story building set at right angles with its southeast elevation facing Memorial Drive. It is sheathed in shiplap siding. Rising from the asphalt roof is a brick, off-ridge chimney. Much of the northwest elevation is spanned by a three-bay porch supported by plain posts. The east end of the building displays screened openings while the west end is lit by 6/6 windows. This building has always served as a kitchen/dining hall for the camp. On June 15, 1981, the Lodge was dedicated in memory of Madelyn Le Brun.

The last of the four buildings is the Women's Cabin (#4, MHC.3889), which faces the Men's Cabin and is nearly identical in its detailing. Like the other building, this functioned as a bunkhouse with two toilets.

Several additional camp buildings which were once here have been removed. These include another cottage on the hill, under the tree, and a small office building.

Recommended as a National Register District. If checked, you must attach a completed National Register Criteria Statement form.

INVENTORY FO	RM CONTIN	NUATION	SHEET
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Massachusetts Historical Commission Massachusetts Archives Building 220 Morrissey Boulevard Boston, Massachusetts 02125 Town Salem Property Address 85 Memorial Drive Area(s) Form No.

IN	1000

HISTORICAL NARRATIVE

Explain historical development of the area. Discuss how this area relates to the historical development of the community.

The history of Camp Naumkeag dates back to 1910 when the property was used as a tuberculosis day camp. On May 7, 1910 over \$3,000 was realized for the work of the camp by the sale of a special edition of the <u>Salem Evening News</u>. The 1913 City Documents indicate that the camp, located on the bluff overlooking Horseshoe Beach, was run from June to October by the Committee for the Prevention of Tuberculosis. Dinners were furnished by the Health Department.

The original buildings were reportedly destroyed by fire during a severe thunderstorm in the early 1930s. The present Camp Naumkeag was completed prior to 1932. The camp continued to be operated by the Salem Association for the Prevention of Tuberculosis. An average of 2,000 meals were provided to the Day Camp from the nearby Hospital.

In 1934 the facility was known as the Salem Health Camp. From 1944 until 1946 it was used by the Carpenter Street Home for Children. In 1946 the buildings were purchased by the Rotary Club on behalf of the Salem Girl Scouts, with the land being owned by the City of Salem. The Girl Scouts paid the City \$1.00/year for the use of the land. In 1964 the Girl Scouts organization decided it no longer wanted Camp Naumkeag and a non-profit group known as Naumkeag Associates, Inc. was formed to keep the facility open for the youth of Salem. Today, it is rented out to various members during the summer and fall.

To the east of Camp Naumkeag is a small fenced playground established in 1960 for the sole use of the exceptional children of the city.

BIBLIOGRAPHY and/or REFERENCES

Naumkeag Associates, Inc. Brochure on Camp Naumkeag: History and Purpose, (no date). Salem City Directory, 1910-1915. Salem City Documents, 1910-1960.

Massachusetts Historical Commission Massachusetts Archives Building 220 Morrissey Boulevard Boston, Massachusetts 02125 Town Salem SAL.I Property Address 85 Memorial Drive Area(s) Form No.

IN	1

Camp Naumkeag Data Sheet

Map #	MHC #	Resource/Historic Name	Date
1	3886	The Cottage	by 1932
2	3887	Men's Cabin	by 1932
3	3888	The Lodge	by 1932
4	3889	Women's Cabin	by 1932

Town Salem

Massachusetts Historical Commission Massachusetts Archives Building 220 Morrissey Boulevard Boston, Massachusetts 02125



Men's Cobin = 3867



- 5 + 4

the Lodge

SAL IN Property Address 85 Memorial Drive

Area(s) Form No.

IN

Town Salem

SAL IN Property Address 85 Memorial Drive Area(s) Form No.

IN

Massachusetts Historical Commission Massachusetts Archives Building 220 Morrissey Boulevard Boston, Massachusetts 02125



Women's Calin # 3889



Lodge + Women's Calrn

Massachusetts Cultural Resource Information System Scanned Record Cover Page

Inventory No:	SAL.GM
Historic Name:	Pioneer Village
Common Name:	
Address:	
City/Town:	Salem
Village/Neighborhood:	South Salem
Local No:	
Year Constructed:	
Architect(s):	
Architectural Style(s):	
Use(s):	Museum; Other Institutional
Significance:	Architecture; Education
Area(s):	
Designation(s):	
Building Materials(s):	



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lofG SAL.GM

Forms in this area

FORM A - AREA

MASSACHUSETTS HISTORICAL COMMOSSION 80 BOYLESTON STREET, BOSTON, MA 02116

Photographs

Town SALEM

GM Area Letter

Name of Area Pioneer Village Present Use Outdoor Museum General Date or Period 1930 General Condition Good Acreage 3.5 acres Recorded by Claire Dempsey Organization Salem Planning Dept. Date October 1988





UTM REFERENCE 19.345000.4707650 USGS QUADRANGLE Salem, MA SCALE 1:25,000

Carl Car

NATIONAL REGISTER CRITERIA STATEMENT

2.0

Pioneer Village does not retain sufficient integrity to be eligible to the National Registerof Historic Places.

SAL.GM

ARCHITECTURAL SIGNIFICANCE

Pioneer Village is located on 3.5 acres of Forest River Park, constructed by the City to represent the early English settlement at Naumkeag. The Village was an attempt to recreate a period landscape with twelve buildings in a designed landscape, including a reproduction of the Arbella in the Harbor. Only about half of the original buildings survive today. The most prominant of these, the Governor's House (A on the map), was It built to commemorate the house Endicott moved from Cape Ann in 1628. is a generalized reproduction of the earlist portion of the Fairbanks House, built in Dedham in 1636. The hall and parlor house is framed of oak with a pine horizontal weatherboard exterior with a shingled roof and brick central chimney. Two of the original four smaller framed houses (B on the map) survive as well. These are single cell houses with smaller dimensioned pine frames, stone based catted chimneys, and thatched roofs. Two of the original four dugouts survive (C on the map), of pallosadoed of perpendicular log construction set into an earthen bank, with catted chimneys and flat sodded roof. Only the fireplaces and a single bent-branch frame survive of the original three wigwams (D on the map).

HISTORICAL SIGNIFICANCE

In 1930. in celebration of the Massachusetts Tercentenary, the City of Salem built Pioneer Village in Forest River Park in South Salem. As the location of the early Naumkeag settlement, the City was mindful of its key role in the formative years of the Massachusetts Bay Colony. The Tercentenary Commission planned the recreation of this English settlement established by Roger Conant in 1626 and joined by John Endicott in 1628, as it appeared during the first landing of John Winthrop's fleet in 1630.

The Village and the pagents and re-enactments held there were key to the Salem festivities. To accomplish the reconstruction a portion of the park was relandscaped and furnished with period reproduction buildings, furniture, and costumed interpretors. A pond with two islands was created to simulate the Mill Pond, fed by a spring and brook. Twelve buildings were arranged near it in three clusters. Only one of these, the Ruck House, was old, moved from the site of the newly constructed Post Office. Five reproduction English framed houses were constructed in a row set back from the pond. On a rise to the north and west of these, three conjectural contact-period wigwams were added, and still further four "dugouts" to imitate those built during the first season of settlement. The surviving portions of these buildings are described in the section ARCHITECTURAL SIGNIFICANCE. Surrounding these a group of workplaces illustrated pitsawing, saltmaking, blacksmithing, brickmaking, carpentry, and fish drying, as well as period punishments in stocks and pillory.

MASSACHUSETTS HISTORICAL COMMISSION Office of the Secretary, Boston

Community: SALEM	Form No:
Property Name: PIUNLEr	Village

Indicate each item on inventory form which is being continued below.

PIONEER VILLAGE, FOREST RIVER PARK

HISTORICAL SIGNIFICANCE CONT'D.

Finally over two thousand trees, shrubs and vines and nearly that number of herbaceous plants were added to recreate a period landscape. On 12 June 1930 a pagent in thirty episodes illustrated daily life and work in the colony and the arrival of the ship Arbella. Intended to last only through the year the Village was never dismantled and much remains today inspite of long periods of neglect.

The isolated location of the park brought vandalism and loss. The reproduction Arbella was severely damaged in a hurricane in 1954 and subsequently burned by the City. The Ruck House burned in the 1960s and a simple frame structure was reconstructed in its place to serve as a visitor center, intended to blend with the other structures rather than to reproduce a specific building. Two of the small frame structures burned, one in the 1960s and another a decade later. One was replaced by a similar but not reproduction building. The times of the losses of the wigwams and the blacksmith and animal dugouts are not currently known. In recent years the Village has been reactivated and some additional reconstruction undertaken. The existing wigwam frame has been covered in bark to resemble one of the originals. The small frame houses were re-thatched. The last missing small framed house was replaced with a similarly scaled house, but one that reflects a contemporary reconstruction of a 17th century building rather than of its immediate 1930 predessesor.

George Francis Dow, Rose Briggs and Donald Miller acted as advisors to the reconstruction, arrangement, and furnishing of the Village. Dow is the best known of these, closely associated with research on colonial New England in his position as secretary of the Essex Institute between 1898 and 1918 and as editor and museum director at the Society for the Preservation of New England Antiquities between 1920 and his death in 1936. His expertise in the material life of seventeenth century Essex County was demonstrated through his restoration of the Parson Capen House in 1895 and the relocation and restoration of the John Ward House in 1912. It appears that Dow conducted research into period sources, locating descriptions of the early settlement, and directed the construction of the most accurate reproductions possible. Briggs, of Pilgrim Hall in Plymouth, was responsible for the design of the costumes, which survive at the Essex Institute.

Donald Macdonald-Millar is less well-known. Born in Nashville in 1884, he worked first in an architect's office there before attending the General Theological Seminary in New York and being ordained an Episcopal

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MASSACHUSETTS HISTORICAL COMMISSION Office of the Secretary, Boston

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Community: SALEM	Form No: GM
Property Name: PLUNDer	Village

Indicate each item on inventory form which is being continued below.

PIONEER VILLAGE, FOREST RIVER PARK

HISTORICAL SIGNIFICANCE, CONT'D.

priest. An advocational student of historic architecture, Macdonald-Millar was an early member of S.P.N.E.A., and friend of Dow, Harry Deane, and William Sumner Appleton. He conducted some of the earliest field work on New England architecture and his drawings are on file at S.P.N.E.A. Among them are drawings for the Governor's House for Pioneer Village.

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Tolles, Bryant F., Jr. <u>Architecture in Salem: An Illustrated Guide.</u> Salem: Essex Institute, 1983.

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MASSACHUSETTS HISTORICAL COMMISSION Office of the Secretary, Boston

SAL. GM	4076
Community: SM-AM	Form No:
Property Name: Proneer	vallage

Indicate each item on inventory form which is being continued below.



Pionecir Village -Governor's House



Pioneer Village -New Construction

MASSACHUSETTS HISTORICAL COMMISSION Office of the Secretary, Boston

SAL. 6M	566
Community: SALEM	Form No:
Property Name: Proveer	Village

Indicate each item on inventory form which is being continued below.



Pioneer Village -New Honse



Pioneer Village-Original House & Replacement Vistors Center

MASSACHUSETTS HISTORICAL COMMISSION Office of the Secretary, Boston

0010
Form No:
11/200

Indicate each item on inventory form which is being continued below.



Pioneer Village -Trugonts (2 replacements \$ 2 originals)



Pioneer Village -Nigwams (new frame & new Cover on old frame)

*	SA	r.GM and in	
	TURE SURVEY	2. Town Salem TTO VSS	
	State House, Boston	Street Lot 743	
	rically significant to:	Name Peoneer Village	
	wealth Nation	Original Use	
	al connection with the e also reverse side)	Present Use	
	hmerce/Industry	Present Owner	
16 PIONEER VILLAGE	nce/Invention vel/Communication	Date 1630 Style	
ture of the earlier Salem, repro- ducing the buildings the early	itary Affairs	Source of Date S. D. la .	
settlers erected; Pioneer Indus- tries — pillory, stocks, etc.	ans	Anchitest	
1	elopment of Town/City	Architect	
	to area: Great Little	None SITE endangered by	
	4. DESCR	IPTION	
FOUNDATION/BASE	MENT: High Regular Low	w Material:	
WALL COVER: Woo	WALL COVER: Wood Brick Stone Other		
STORIES: 1 2 3 4	CHIMNEYS: 1 2 3 4	Center End Cluster Elaborate Irregular	
ATTACHMENTS: W	ings Ell Shed Dependency	Simple/Complex	
PORCHES: 1 2 3	4 Portico Balcony	Recessed	
ROOF: Ridge Gam	orel Flat Hip Mansard		
Tower Cupo	bla Dormer windows Balu	istrade Grillwork	
FACADE: Gable Er	nd: Front/Side Symmetrie	cal/Asymmetrical Simple/Complex Ornament	
Entrance: Front/S	ide Centered Double Feat	ures:	
Windows: Spacing:	Regular/Irregular Identica	al/Varied	
Corners: Plain P	ilasters Quoins Obscured		
OUTBUILDINGS		LANDSCAPING	
5. Indicate location of structure on map b		6. Footage of structure from street Property has feet frontage on street	
		Recorder	
		For	
		Photo E-05 258-1-147	
		Photo E-05 258-1-147	

C.



FOR USE WITH IMPORTANT STRUCTURES (Indicate any interior features of note)

Fireplace

Stairway

Other

GIVE A BRIEF DESCRIPTION OF HISTORIC IMPORTANCE OF SITE (Refer and elaborate on theme circled on front of form)

REFERENCE (Where was this information obtained? What book, records, etc.)

BIBLIOGRAPHY

Original Owner:_____ Deed Information: Book Number

I. .

Page

Registry of Deeds

SAL GN

NATIONAL REGISTER
Date Reviewed: January 21, 1
dicating boundaries)
Inventory Form: GM
C initiated Other:
DISTRICTS Eligible Ineligible
More information needed
С

(Refer to criteria cited above in statement of significance. If more information is needed, use space to describe what is needed to finish eligibility opinion.)

As architectural historian Bryant Tolles has described: التريقية في المريد المريح الارتباط المريد المري مريد المريد ا

Under the direction of historian George Francis Dow, Pioneer Village was built in 1930 for the Massachusetts Bay Tercentenary and commemorates the arrival of Gov. John Winthrop, his ship Arbella, and the Charles I charter to the New World. Situated on city park land on Salem Harbor, the village is a conjectural recreation of the wilderness settlement of Salem during its first years. At the same time it provides a more general picture of what architecture and domestic life were like in all of New England's primitive, 17th-century seacoast communities. Only at Plimouth Plantation (founded in 1947) is it possible to view similar replica structures in an appropriate historic setting (Architecture in Salem, p. 246).

Pioneer Village's historical significance rests with the fact that it is one of the very few surviving sites associated with the Commonwealth's Tercentenary and the only one in Salem. Also, it is one of the earliest open air living history museums in the country and one of the few muncipally owned museums of its type for a city of Salem's size. During the 1930s, Pioneer Village caught the nation's attention for its overall accuracy and was used for study by colleges and schools.

Use reverse if necessary.

MHC STAFF OPINION

Date Received:

Date Reviewed:

Opinion: More information needed -Concur Disagree

See Reverse for Comments

Pioneer Village is architecturally significanct for the high quality of the design and construction and the well-known architects and historians who worked at the site. The structures were authentically replicated with original tools, reconstruction methods, and materials. All wood, reed, and building materials were of native origin. All iron-work was forged by hand and all mortar and lime were made locally.

George Francis Dow, architect-in-chief, was a renowned antiquarian who was instrumental in the restoration/preservation of many early colonial homes. Dow worked together with Donald MacDonald-Millar of New York, who was associated with the restoration of Williamsburg in 1926, and Harlan P. Kelsay, a landscape architect of national reputation, who adapted the site to the colonial period through the use of trees, shrubs, and gardens.

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The second second

Notwhere else can one find the progression of housing from palisado dugouts to a 4-room post and beam "Governor's House." As Tolles explains:

Contraction of the second second

Contained in the village are representative reconstructions of dwellings and outbuildings believed to have been erected from c. c. 1628 to c. 1630. The earliest of these, derived from local Indian shelters, are three palisaded-log, sod-roofed dugouts. and three "wigwams" made of bent-pole frames, lashed together and covered with bark slabs, sailcloth, or thatched mats, but improved with English-style wooden doors and fireplaces. In his replica village Dow also included four small one-story a cottages, roofed with thatch, walled with pine weather boarding (with nogging) or wattle and daub, and equipped with brick or "catted" (log and clay) chimneys. Dominating this enitre group is the two-storied "Governor's Fayre House," an interpretation of Gov. John Endecott's 1630 dwelling moved from Cape Ann-roofed with large hand-hewn wood shingles, it has brick chimney. and external walls faced with wide flush boards and penetrated by diamond-paned casement windows (Architecture in Salem, p. 247).

Upon review, the Salem Historical Commission determined that Pioneer Village was eligible for the National Register based on Criteria A and C. The site meets Criterion A for its associations with the Commonwealth's Tercentenary, the early development of outdoor museums, and the beginnings of an interest in the early 20th century of accurately restoring or recreating 17th century building types. Criterion C was chosen because of the distinctive style of the structures (20th century recreations of 17th century buildings), the craftsmanship used in their construction, and the architects and historians associated with the project.

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SAL. 6M

Community: SALEM

CLGC OPINION: ELIGIBILITY FOR NATIONAL REGISTER Date Received: Date Reviewed Individual X District Type: Name: Pioneer Village Inventory Form: Address: Forest River Park Action: Honor ITC Grant CLGC initiated Other INDIVIDUAL PROPERTIES DISTRICTS Eligible Eligible Eligible, also in district X Ineligible Eligible only in district More informion needed Ineligible More information needed CRITERIA: B C D A LEVEL: National

State

STATEMENT OF SIGNIFICANCE by Claire Dempsey for Salem Planning Dept.

Local

Pioneer Village does not retain sufficient integrity to be eligible for the National Register of Historic Places. Built as a temporary exhibit for the Commonwealth's Tercentenary, as many as half of the original structures have not survived the intervening 58 years. The City of Salem has recently improved maintenance and security at the Village and a supervisory committee has undertaken the replacement of fabric and the development of an interpretive plan.

MHC STAFF OPINION Date Reviewed: 10/18/89 Date Received: Concur Opinion: More information needed Disagree See Reverse for Comments


March 31, 2017

Tracy Adamski Senior Planner, Associate Tighe & Bond 53 South Hampton Road Westfield, MA 01085

PURPOSE:

MDA conducted on-site building evaluations of the five structures located at Camp Naumkeag in Salem, MA in November of 2016 for the purpose of determining the structures suitability for adaptive reuse and or continued operation as a day camp sub-let by the City for recreational activities.

Evaluation consisted of a visible assessment of the structures physical attributes including, building size, construction, materials, condition, handicapped accessibility and ability to be repurposed for similar use. The evaluation was conducted by a registered architect during the off season.

The results along with a general condition assessment are contained in each buildings individual report which also includes pertinent photographs and a floor diagram. Each structure was measured and drawn in plan for the purpose of illustrating the overall layout and has been provided for reference.

This summary consolidates the findings of the individual building reports and offers additional information and considerations used in the determination.

FINDINGS:

It should be noted that, most of the deficiencies pertain to the four older wood framed structures. As the lower restroom building is constructed of CMU and was built after the other structures and is the result of newer codes it is in substantially better condition and subsequently has fewer deficiencies listed in findings below.

Use Group and Egress: The property has been utilized as a day camp and four of the buildings appear to have areas specifically for group activities. Depending on how these spaces are actually utilized, they could fall under one of two likely use groups.

- 1. A-3: Assembly (Recreation)
- 2. E: Education

The use group classification in both cases is permitted in the buildings with respect to size and construction type. Potential issues arise if the spaces are classified as A-3 and a 5 square foot per occupant standing floor allowance is assigned to the 450 - 570 square foot activity areas.

This designation and would result in a possible occupancy of 90 - 114 in those areas alone. While not likely, it is possible and would require the architect to design for this number of occupants for purposes of egress. Any number of occupants exceeding 49 for either use group would require two separate, out-swinging and remote means of egress from the building. At present, none of the four would meet code.

Should the use group be classified as E it would result in the occupancy being 20 - 29, as such the spaces would meet the requirements for a single means of egress. This is our opinion is the more sensible scenario for the buildings.

In all cases the existing egress doors swing in, lack the minimum 32" net clear width and do not have adequate hardware for egress. In addition, due to the seasonal nature of the current use, all the doors are secured from the outside using pad locks, which is prohibited by code as it is a potential impediment to egress.

Foundations: Only one of the four wood framed buildings appear to have an actual (or partial) below grade concrete foundation. The other structures appear to rest on or slightly below grade. In all but one case, the foundations and their associated unreinforced CMU piers are inadequate with respect to lateral support, have unrestrained connections to the buildings structural beams and are likely subject to differential settlement.

With limited or no physical connections tying the structure to the piers these buildings lack the basic hold down anchoring requirements of a common residence. As they are elevated on piers and adjacent to the coast these buildings are subject to a higher probability of damage in a severe wind event.

Any meaningful undertaking to improve the buildings would require the foundations be replaced in order to meet current codes.

Building Construction: The structures were designed and built using methods conducive to seasonal operation and lack structural sheathing, insulation and vapor barriers. Both the wood siding and flooring are fastened directly to the wall studs and floor joists respectively. No plywood or plank sheathing is present. Proximity of wood construction and or siding to grade has resulted in rot and failure in several locations.

Lack of ceiling joists have resulted in roof deflection and in a rotational moment being exerted on the exterior walls, pushing them out. In at least one case the ridge has split under the weight of the roof as the rafters push out and subsequently pull down and away from it.

Roof covering on all buildings is a standard three tab asphalt shingle type. In all cases the shingles are near or beyond their life expectancy, showing various degrees of delamination. It is unlikely any of the buildings have ice and water shield where required by code.

Interior finishes are either nonexistent or dated and in poor condition. Restrooms have painted porous baseboards and toilet partitions. Mold was evident on the drywall in one restroom.

Utilities: The utilities are undersized for almost anything other than the facilities current use. The four wood framed buildings share a single 200 AMP service, which is equivalent to that of a large residence. The lower restroom has a separate electric service of approximately 90 amps, which is adequate.

Water service is centralized and distributed below ground and is split between the four, in a small service box which lacks both a meter and backflow prevention. Water service to the lower restroom is again separate however it also lacks a meter and backflow prevention.

Sanitary service runs above grade in several areas and is subject to frost heaving. Potable water and toilets must be drained seasonally as the nature of a raised structure offers no protection from pipe freezing. The two wooden framed structures that have public restrooms do not have a means to provide hot water.

Only the caretaker's building has liquid propane available. No natural gas or oil is present on site.

Life safety: Most of the buildings have smoke detector coverage and some level of emergency lighting, however they lack illuminated exit signs, exterior egress lighting and overall general interior illumination is poor. The buildings are below the threshold for fire alarm and sprinkler requirements with respect to size.

Handicapped Accessibility: All four wooden framed buildings are elevated and have ramps within the accepted slope range for accessibility however; they lack compliant handrails, landings and entrance doors. Likewise the stairs have open risers with irregular heights and noncompliant handrails. Both the stairs and ramps lack proper footings and are of an age and condition making them unworthy code compliant repairs.

Once inside the generally open areas of the buildings interiors are accessible. Within the two wood framed facilities containing restrooms, an attempt was made to provide accessible accommodations. While the overall stall width is appropriate, there are no grab bars and accessories are not mounted within acceptable heights or reach. In addition, there are only curtains in place of doors, offering no secure privacy for occupants.

One of the two lavatories in each of the restrooms has an appropriate amount of under counter wheelchair space but lacks lever faucets and drain insulation. Restrooms could be modified to provide accessibility.

The lower restroom building activity area is fully accessible as the entrance is at grade and the door meets the necessary width and approach requirements. The restrooms are undersized and fixtures do not have compliant dimensional offsets from walls or each other. In addition, the rear wall grab bars are missing. Restrooms could be modified to provide accessibility but would require the removal and reconstruction of CMU walls to do so.

DETERMINATION:

With respect to the four wooden framed buildings, their condition, construction and number of modifications required to bring them up to current building codes greatly reduces their ability to serve alternate uses. It is our opinion that the cost and effort required to rehabilitate the structures would exceed their value once completed and therefore it is not recommended that these buildings be repurposed for a different occupancy. If site development is being considered the four wooden framed buildings should be razed.

The lower restroom building can be rehabilitated for reuse with relative ease and at modest expense.

Best regards, Joseph A. DeLuca, RA, NCARB Principal architect



BUILDING SURVEY REPORT

REPORT DATE 12/27/2016

BUILDING LOCATION

Caretakers Building (Building #1) 85 Memorial Drive Salem, MA 01970

PREPARED FOR

Tighe & Bond 53 South Hampton Road Westfield, MA 01085

PREPARED BY

Millennium Design Associates, Inc 1599 Washington Street Suite 1A Braintree, MA 02182 781.843.9400

www.MDAarchitecture.com

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GENERAL BUILDING SUMMARY

Comments: The subject building is a single story wood framed seasonal residence 23 feet long by 22 feet wide built in a conventional residential platform framing style. It is attached to a 34' x 34' covered dining structure. Both structures sit on piers of unreinforced concrete blocks that act as the foundation. Foundation depth could not be verified, however it is not uncommon for older structures to sit upon or go slightly below grade and not to the proper depth to prevent frost heaving.

The structure, finish and utilities are provided to an extent than would be adequate for seasonal occupancy. Due to the elevation of the structure the plumbing is exposed and subject to freezing. In addition the structure is mostly non-insulated. An attempt to insulat a portion of the bed room and living area floor was made with fiberglass batts in the joist cavities however it is not intact in many areas. The structure could not be replaced today without significant code improvements being necessary.

The lack of structural sheathing throughout, in combination with framing members which are close to their nominal sizes in thickness and depth, suggest that this structure was built in the early half of the 20th century.

Overall condition of the structure is fair. The wood framing and siding of the residence is not contact with grade, however the exterior dining structures south end is. There is no discernible differential settlement, however the porch structure appears to racking towards the west.

BUILDING EXTERIOR

Comments: Exterior wood siding is cove type clapboard commonly referred to as "Type #105" with a 5" exposure. The siding has been painted numerous times over the years. It is unknown if lead is present the paint. The exterior wood siding is fastened directly to the wood stud structure, no plywood sheathing is present.

Siding rot is evident along the west side of the building. There has been an attempt to prevent access to the space below the structure using wooden lattace panels. The panels are in contact with the ground and have failed or been removed altogether in numerous areas, allowing access to the underside of the structure.

The roof is past its reasonable life expectancy and has badly delaminated.

BUILDING INTERIOR

Comments: The interior is divided into four spaces a kitchen, living area, bathroom and bedroom. The kitchen has a sink, refrigerator, propane stove and dishwasher. All appliances are older and were not tested. The interior of the residence is finished with paneling and or laminate. The flooring, like the siding, is fastened directly to the structural framing, no sheathing is present. Ceiling finish is drywall with a textured finish.

TENANT MEP F/P SYSTEMS

Comments: There is electric base board heating in the main living area only, none is present in the bed room or bathroom. Cooling was provided by an in window AC unit. The water heater has been removed and only cold water is available to the lavatories. There is a functioning toilet exhaust present.

BUILDING UTILITIES AND SYSTEMS

Comments: Electricity, propane, telephone service, satellite tv, potable cold water and a sanitary service are present in the building.

ADDITIONAL COMMENTS

Comments:

Building recommendations are based on a visual evaluation of the materials and systems. Note there may be instances where the portions of components and or system may not be visible of able to be verified.

RECOMMENDATIONS		
Architectural		
Building exterior		
Wall cladding	Modification required	Notes
Fenestration		
Doors	Replacement required	Notes
Storefront / Windows	Replacement required	Notes
Roof	Replacement required	Notes
Thermal / insulation	Replacement required	Notes
Lighting	None existing	Notes
Building interior		
Wall finishes	Replacement required	Notes
Floor finishes	Modification required	Notes
Ceiling finishes	Modification required	Notes
Lighting	Suitable for reuse	Notes
MEP		
Electrical	Modification required	Notes
Telephone	Suitable for reuse	Notes
HVAC	Replacement required	Notes
Water service	Replacement required	Notes
Sprinkler	None existing	Notes
Sanitary	Modification required	Notes
Natural gas	Modification required	Notes
Fire alarm	Modification required	Notes
Security	None existing	Notes
Comments: Building is not recommende	d for adaptive reuse.	

CONTACT INFORMATION			
Client			
Company name	Tighe & Bond		
Contact name	Tracy Adamski		
Job title	Senior Planner, Associate		
Street address	53 South Hampton Road		
City, State, Zip	Westfield, MA 01085		
Office Phone	413.572.3256	Mobile phone	
Email	TJAdamski@tighebond.com		
Landlord			
Company name	City of Salem		
Contact name			
Job title			
Street address	85 Memorial Drive		
City, State, Zip	Salem, MA 01970		
Office Phone		Mobile phone	978.815.3152
Email			
Building engineer			
Company name	City of Salem - Winter Island R	ecreational Park	
Contact name	David Gilbert		
Job title	Park Manager		
Street address	50 Winter Island Road		
City, State, Zip	Salem, MA 01970		
Office Phone	978.745.9430	Mobile phone	978.815.3152
Email	dgilbert@salem.com		
Real estate broker			
Company name			
Contact name			
Job title			
Street address			
City, State, Zip			
Office Phone		Mobile phone	
Email			
Survey Team			
Company name	MDA		
Contact name	Joseph A DeLuca, RA		
Contact name			
Company name			
Contact name			
Contact name			

OCCUPANCY, USE AND SIZE						
Occupancy status	Vacant					
Tenant aware of displacement	*					
Current use	Recreational					
Previous use	Recreational					
Operational utilities for survey	Yes					
Building / space survey availability	Full (All spaces)					
Space(s) not surveyed	🛛 None or N/A	Floor above	Floor below			
	Basement	Roof	Utility room(s)			
	LL Common area	Other *				
Building / space type	Existing					
Building configuration	Stand alone					
Project located on floor(s)	1					
Building / space over all dimensions	L 23'-8 W 22'-4"					
Building / space square footage	528					
Number of floors in building	1	Building Height	12'			
Comments: Building is used as the caretakers residence during the camps rental season.						

SITE ACCESS						
Primary street / road	None	Material	*		Cond.	*
Street name	*			Туре	*	
Traffic configuration	*			Spd limit	*	
Street / road provides access to	*					
Curb cut	*	Material	*		Cond.	*
Sidewalk	*	Material	*		Cond.	*
Clear accessible path on to site	*	Width	*			
Signaled intersection	*	Distance fr	om site	*		
Comments:						
Secondary street / road	None	Material	*		Cond.	*
Street name	*			Туре	*	
Street name Traffic configuration	*			Type Spd. limit	*	
Street name Traffic configuration Street / road provides access to	* * *			Type Spd. limit	*	
Street name Traffic configuration Street / road provides access to Curb cut	* * * * *	Material	*	Type Spd. limit	* * Cond.	*
Street name Traffic configuration Street / road provides access to Curb cut Sidewalk	* * * * * * * *	Material Material	*	Type Spd. limit	* * Cond. Cond.	*
Street name Traffic configuration Street / road provides access to Curb cut Sidewalk Clear accessible path on to site	* * * * * * * * *	Material Material Width	* * *	Type Spd. limit	* * Cond. Cond.	*
Street name Traffic configuration Street / road provides access to Curb cut Sidewalk Clear accessible path on to site Signaled intersection	* * * * * * * * * * * *	Material Material Width Distance fr	* * * om site	Type Spd. limit	* Cond. Cond.	*
Street name Traffic configuration Street / road provides access to Curb cut Sidewalk Clear accessible path on to site Signaled intersection Comments:	* * * * * * * * * * *	Material Material Width Distance fr	* * * om site	Type Spd. limit	* Cond. Cond.	*
Street name Traffic configuration Street / road provides access to Curb cut Sidewalk Clear accessible path on to site Signaled intersection Comments:	* * * * * * * * * *	Material Material Width Distance fr	* * om site	Type Spd. limit	* Cond. Cond.	*

ON SITE PARKING AND ACCESS						
Parking lot	*	Material	*		Cond.	*
Curbing	*	Material	*		Cond.	*
Striping	*	Material	*		Cond.	*
Accessible pavement markings	*	Material	*		Cond.	*
Accessible signage	*	Туре	*		Cond.	*
Car stops	*	Material	*		Cond.	*
Ponding evident	*	Location	*			
Parking lot lighting	*		Light type	*		
Parking stalls	*	Size	*	Number	*	
Accessible stalls - Car	*	Size	*	Number	*	
Accessible stalls - Van	*	Size	*	Number	*	
Accessible aisle - Car	*	Size	*	Number	*	
Accessible aisle - Van	*	Size	*	Number	*	
Comments:						
Sidewalk	None	Material	*		Cond.	*
Clear accessible path to building	No	Width	*			
Stairs	Yes	Material	Wood		Cond.	Poor
Stair location	Main entra	nce				
Riser and tread dimensions	Height	8"	Depth	11"	Total stair rise	36"
Number of risers / treads	Risers	5	Treads	4		
Railings present	Yes	Material	Wood		Cond.	Poor
Railings system type	Handrails o	on structure	Diameter	2 x 4 flat	Railing Height	36″
Accessible continuous handrails	No					
12" top extension	No	Tread dept	h + 12" bottor	n extension	No	
Landing	Yes	Material	Wood		Cond.	Fair
Dimensions	L <i>4'-0"</i>	W 4'-2 "	Η *			
Railings present	Yes	Material	Wood		Cond.	Fair
Railings system type	Handrails o	on structure	Diameter	2 x 4 flat	Railing Height	36″
Ramp	Yes	Material	Wood		Cond.	Fair
Dimensions	L 120"	W 4'-3 "	H 15"	Total ramp i	rise <u>8</u> "	
Accessible ramp slope	Yes					
Railings present	Yes	Material	Wood		Cond.	Fair
Railings system type	Handrails o	on structure	Diameter	2 x 4 flat	Railing Height	36″
12" top / bottom extension	No					
Loading area	*	Туре	*			
Receiving door size	W *	Н *	Door type	*		
Trash enclosure	None		Material	*		
Number of trash / recycle bins	*		Bin size	*		

Comments: Only the outdoor covered dining area is handicap accessible, the caretaker's building is not for numerous reasons including incorrect or noncompliant, accessible route, door hardware, door width, fixture height, room size and room configurations.

EXTERIOR WALL CLADDING						
North wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
East wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
South wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
West wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Poor
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*

FENESTRATION					
North wall					
Door	Matl.	Steel	Sill / Head 0"- 78"	Cond.	Good
*	Matl.	*	Sill / Head *	Cond.	*
*	Matl.	*	Sill / Head *	Cond.	*
East wall					
Window, Operable - Noninsul.	Matl.	Wood	Sill / Head 34" / 78"	Cond.	Fair
*	Matl.	*	Sill / Head *	Cond.	*
*	Matl.	*	Sill / Head *	Cond.	*
South wall					
Door	Matl.	Wood	Sill / Head 0" - 78"	Cond.	Poor
Window, Operable - Noninsul.	Matl.	Wood	Sill / Head 34" / 78"	Cond.	Fair
*	Matl.	*	Sill / Head *	Cond.	*
West wall					
Window, Operable - Noninsul.	Matl.	Wood	Sill / Head 50" / 80"	Cond.	Fair
Window, Operable - Insul.	Matl.	Vinyl	Sill / Head	Cond.	*
*	Matl.	*	Sill / Head	Cond.	*
Storefront / window frame color	*		Glazing color	*	
Door frame color	*		Glazing color	*	
Comments: Exterior wall cladding is	"Type #1	05" cove topp	ed clapboards. Windows are mos	tly true divided lit	te double

hung wood windows with plate glazing.

ROOF SYSTEM						
Roof						
Roof configuration	Pitched	Matl.	Shingles - Asp	halt	Cond.	Poor
Roof edging	Drip edge	Matl.	Aluminum		Cond.	Fair
Drainage	None	Matl.	*		Cond.	*
Emergency / secondary drainag	e <mark>N/A</mark>	Matl.	*		Cond.	*
Drain terminates at	Grade					
Ponding	N/A	Location	*			
Patching / repairs evident	None	Location	*			
Venting	None	Туре	*			
Roof height						
Low point of Slop	ed roof	7'	High point of	Sloped roof		12'

THERMAL / INSULATION						
Slab	N/A	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Floor	Yes	Туре	Fiberglass batt	Ś	Cond.	Poor
Configuration	In cavity		Thickness 1	6"	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Walls	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Ceiling / Roof	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Туре	*		Cond.	*

Comments: Portions of the bedroom and living room floors have been insulated. The remainder of the structure does not appear to be insulated.

Refer to architectural floor diagram in the appendix for corresponding room designations.

BUILDI	NG INTERIOR					
Room	Floor	Wall	Wall base	Ceiling	C	lg height
КТСН	Wood	Laminate panels	None	GWB	SL	P 7'- 11'
Cond.	Fair	Fair	*	Good		
Predom	inant lighting type	Incandescant	Mounting type	Surface	Cond.	Fair
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	ents:					
LVG	Wood	Wood	Wood	GWB	SL	P 7'- 11'
Cond.	Fair	Fair	Fair	Good		
Predom	inant lighting type	Fluorescent - Strip	Mounting type	Surface	Cond.	Fair
Emerge	ncy lighting type	None	Mounting type	*	Cond.	*
Comme	ents:					
BTH	Carpet	Laminate panels	Wood	Plastic laminate	7'	
Cond.	Poor	Fair	Fair	Poor		
Predom	inant lighting type	Incandescant	Mounting type	Surface	Cond.	Fair
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme leakage	ents: Portions of the gwb	o have been removed in	the area of the water hea	ater closet, presuma	ably due to	o roof
BDRM	Wood	Wood	Wood	GWB	7'	
Cond.	Fair	Fair	Fair	Poor		
Predom	inant lighting type	Incandescant	Mounting type	Surface	Cond.	Fair
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	ents: There is evidence o	of roof leaking in this roor	n in the southwest corne	r		
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	ents:					
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	ents:					

RESTROOMS							
Separate M / W public restrooms	No						
Unisex Rest Room					Cond.	Poor	
Number of toilets / urinals	1	None	Number of lavs	1			
Accessible toilets / urinals	*	*	Accessible lavs	*			
Women's Room					Cond.	*	
Number of toilets	*		Number of lavs	*			
Accessible toilets	*		Accessible lavs	*			
Men's Room					Cond.	*	
Number of toilets / urinals	*	*	Number of lavs	*			
Accessible toilets / urinals	*	*	Accessible lavs	*			
Separate M / W employee restrooms	No						
Unisex Rest Room					Cond.	*	
Number of toilets / urinals	*	*	Number of lavs	*			
Accessible toilets / urinals	*	*	Accessible lavs	*			
Women's Room					Cond.	*	
Number of toilets	*		Number of lavs	*			
Accessible toilets	*		Accessible lavs	*			
Men's Room					Cond.	*	
Number of toilets / urinals	*		*	Number of lavs			
Accessible toilets / urinals	*		*	Accessible lavs			
Comments: Caretakers building has a single conventional non-accessible full bathroom.							

BELOW GRADE AND RAISED FOUNDATION SYSTEMS						
Foundation	Yes					
Foundation system	Shallow - P	Pier tubes / foo	otings			
Assembly type	Monolythic	- Poured				
Slab	None		Slab thickn	ess	*	
Primary structural members	Concrete -	Pier tubes / fo	ootings			Cond. <i>Fair</i>
	Depth	*	Width	24" Dia	Spacing	7' to 8' O.C.'
	Direction	Paralell to I	ongest direct	tion		
Secondary structural members	Piers - CM	IJ				Cond. Poor
	Depth	8"	Width	16"	Spacing	7' to 8' O.C.'
	Direction	Perpendicu	lar to longes	t direction		
Space(s) below floor slab	🗌 None / N	١A	🛛 Crawlsp	ace	Cellar .	/ Basement
Comments: Building sits on a combination of unreinforced CMU piers which rest on poured concrete footings. Foundation						

depth was not verified.

STRUCTURAL SYSTEMS							
Floor	Yes						
Floor system	Composite	assembly					
Assembly type	Structural -	1 way					
Slab / structural sheathing	Wood - Pla	nk	Slab / shea	thing thkns	3/4"		
Primary structural members	Beam	Material	Wood			Cond.	Fair
	Depth	6"	Width	6"	Spacing	7' to 8' C).C.'
	Direction	Paralell to I	ongest direct	ion			
Secondary structural members	Joist	Material	Wood			Cond.	Poor
	Depth	5 1/2"	Width	1 3/4"	Spacing	16"O.C.	
	Direction	Perpendicu	lar to longest	t direction			
Space(s) below floor	🗌 None / N	NA	🛛 Crawlsp	ace	Cellar	/ Basemei	nt
Wall structure (Exterior)	Yes						
Wall system	Composite	assembly					
Assembly type	Load bearii	ng		Stick frame	d		
Structural sheathing or system	Wood - Pla	nk	Thickness		5/8"		
Primary structural members	Studs	Material	Wood			Cond.	Fair
	Depth	3 1/2"	Width	1 1/2"	Spacing	16+ O.C	
Secondary structural members	None	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Columns	None						
Perimeter columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Interior columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Cross-bracing	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Shear wall	N/A	Material	*			Cond.	*
Roof / Floor above	Yes						
System and system type	Roof	Composite	assembly				
Assembly type	Structural -	1 way					
Slab / structural sheathing	Wood - Pla	nk	Slab / shea	thing thkns	3/4"		
Primary structural members	Joists	Material	Wood			Cond.	Fair
	Depth	5 1/2"	Width	1 1/2"	Spacing	16-18" ().C.
	Direction	Perpendicu	lar to longes	t direction			
	Height to ur	nderside of lo	west structur	al member	7' at exter	rior walls	
Secondary structural members	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
	Direction	*					
	Height to u	nderside of lo	west structur	al member	*		

Comments: The exterior wall finish is fastened directly to the wall studs, there is no structural sheathing present. In addition, the finish flooring is nailed to the floor joists, there is no structural sheathing present. All beams rest directly upon stacked, unreinforced CMU piers which themselves sit upon circular footings of an undetermined depth None of the beam to pier connections are restrained and or attached to the piers.

ELECTRICAL SERVICE				
Electrical service present	Yes		Cond. Good	
Service feed type	Overhead	Service MPOE	Exterior wall - East	
Service amperage	100	Service voltage	120/240	
Service phase	Single phase			
Number of conduits	1	Conduit size	2"	
Incoming feeder size	Unknown	Feeder material	Unknown	
CT Cabinet / location	None	*		
Meter	*		Cond. *	
Meter type	*	Meter number		
Dedicated tenant meter	*	Location	*	
Transformer	*	Mounting Type	*	
Location	*	Capacity in KVA	*	
Manufacturer	*	Model number	*	
Power shut down method	*	Amperage	*	
Utility company name	*			
Commenter Electric convice is food fr	om the heude ream build	lings via underground cone	luit Electric utility motor is leaster	J

Comments: Electric service is feed from the boy's room buildings via underground conduit. Electric utility meter is located inside the boy's room building.

POWER PANEL			
Panel designation (Name)	None		Cond. Fair
Location	Project space	Mounting type	Surface mounted
Manufacturer	Square D	Number of breakers	1 main + 17 (22 brk cap)
Amperage	100	Panel voltage	120/240
Comments:			

BACK UP / EMERGENCY POWER					
Generator	None			Cond.	*
Generator used for	*				
Manufacturer	*	Model number	*		
KW (Capacity)	*	Fuel type	*		
Comments:					

TELEPHONE SERVICE				
Telephone service present	Yes, in building a	nd in project space	Cond.	Fair
Service feed type	Overhead	Service MPOE	Exterior wall - East	
Conduit size	*			
Demarc	Yes			
Dedicated tenant demark	Yes	Location	Project space	
Utility company name	*			
Comments: Telephone service runs the Caretaker's building.	s overhead from the Mai	n building over to and alon	g the Boy's room building	and on to

SECURITY SYSTEM				
Security system present	None		Cond.	*
System type	*			
Manufacturer	*	Model number *	k	
Comments: *				

GENERAL HVAC INFORMATION					
HVAC system present	Yes, in buil	ding and in p	roject space		Cond. *
System(s) type(s) present	🗌 RTU's	🗌 VAV	🗌 Split	🛛 Elect	Solid fuel/ wood burning
	Chilled	/ Condenser	water - *		
Type of conditioning available	Heat only				
Number of units serving area	*	Total HVA	C tonnage	N/A	
Exhaust systems	No				Cond. *
System type (Non-toilet room)	🗌 Gen	Ktchn	Rstrm	Smoke	
Comments: Heat is provided via electric baseboard. An in window AC unit was present in the building but not installed.					

HVAC UNIT						
Heating / Cooling Air handler	None				Cond.	*
System type	*					
Manufacturer	*		Model number	*		
Operational during assessment	*					
Age of unit	*		Serial No	*		
Unit heat source	*		BTUH output	*		
Cooling Tonnage	*		CFM output	*		
Amperage	*		Voltage	*		
Unit location	*					
Temperature control system	*		Location of device	*		
Condenser unit	None				Cond.	*
Manufacturer	*		Model number	*		
Age of unit	*		Serial No	*		
Amperage	*		Voltage	*		
Unit location	*					
Chilled / Condenser water	None					
Water temperatures	Hot	*	Cold *			
Pipe sizes	Hot	*	Cold *			
Average gallons per minute	*		Available *			
VAV	None					
Incoming air temperature	*		CFM provided	*		
Air distribution system	None				Cond.	*
Supply air distributed via	*	Retur	rn air collected via *			
Comments:						

DOMESTIC WATER SERVICE				
Water service present	Yes, in building and in p	roject space	Cond.	Fair
Service feed type	Underground	Service MPOE	Exterior wall - East	
Largest pipe size	1"	Pipe material	Copper	
Private or municipal service	Municipal			
Meter	None		Cond.	*
Meter type	*	Meter number	*	
Dedicated tenant meter	*	Location	*	
Backflow preventer	None			
Filtration system	None			
Water heater	Yes		Cond.	Good
Water heater type	Tank type			
Dedicated tenant hot water	Yes			
Manufacturer	Bradford White	Model Number	M240S6DS-1NCWW	V
	Year Mfgr *	Capacity	40 Gallons	
	Wattage *	Voltage	240	
Utility company name	Salem Water and Sewer	⁻ Dept.		
Comments:				

SANITARY SERVICE				
Sanitary service present	Yes		Cond.	Poor
Service feed type	Underground	Service MPOE	Exterior wall - East	
Largest pipe size	4"	Pipe material	PCV	
Private or municipal service	Municipal			
Vent size	4"	Location	At bathroom	
Grease trap	None	Capacity in GAL	*	
Trap type	*	Location	*	
Manufacturer	*	Model number	*	
Lift station	None	Capacity in GAL	*	
Manufacturer	*	Model number	*	
Utility company name	Salem Water and Se	wer Dept.		
Comments:				

GAS SERVICE			
Gas present	Yes, in building and	in project space	Cond. Good
Service feed type	Tank	Service MPOE	Exterior wall - West
Largest pipe size	1/2"	Pipe material	Flexible metal
Type of gas	Liquid Propane		
Meter	*		Cond. *
Meter type	*	Meter number	*
Dedicated tenant meter	*	Location	*
Utility company name	*		
Comments: Tank is unrestrained a	nd leaning.		

FIRE SPRINKLER SERVICE					
Sprinkler service present	None			Cond.	*
Service feed type	*	Service MPOE	*		
Largest pipe size	*	Pipe material	*		
Lowest pipe height	*	System type	*		
Riser location	*	F.D. Connection	*		
Backflow preventer	*				
Air compressor	*			Cond.	*
Manufacturer	*	Model number	*		
Comments:					

FIRE ALARM AND DETECTION SYSTEMS							
Fire alarm present	None			Cond.	*		
System type	*	Service MPOE	*				
Panel location	*						
Manufacturer	*	Model number	*				
Annunciator panel	None			Cond.	*		
Annunciator location	*						
Manufacturer	*	Model number	*				
Notification devices	None						
Pull stations	*						
Horn / strobes	*						
Smokes / Heat detectors present	Yes						
Fire extinguishers present	None						

PHOTOS



East facing elevation



South facing elevation



West facing elevation



North facing elevation



Typical pier construction



Typical unrestrained pier to beam connections



Main stair to porch



Notched rafters over doorway into caretaker's building





Kitchen

Bathroom



Living area with electric base board heat





BUILDING SURVEY REPORT

REPORT DATE 12/27/2016

BUILDING LOCATION

Boy's Room Building (Building #2) 85 Memorial Drive Salem, MA 01970

PREPARED FOR

Tighe & Bond 53 South Hampton Road Westfield, MA 01085

PREPARED BY

Millennium Design Associates, Inc 1599 Washington Street Suite 1A Braintree, MA 02182 781.843.9400

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GENERAL BUILDING SUMMARY

Comments: The subject building is a single story wood framed seasonal shelter 50 feet long by 20 feet wide built in a conventional residential platform framing style. The structure sits on piers of unreinforced concrete blocks that act as the foundation. Foundation depth could not be verified, however it is not uncommon for older structures to sit upon or go slightly below grade and not to the proper depth to prevent frost heaving.

The structure, finish and utility components are provided to a lesser extent than would be required for year round occupancy and could not be replaced today without significant code improvements being necessary. The lack of structural sheathing throughout, in combination with framing members which are close to their nominal sizes in thickness and depth, suggest that this structure was built in the early half of the 20th century.

Overall condition of the structure is fair. The wood framing and siding of the structure is in limited contact with grade at the south west corner of the building. There is no discernible differential settlement. The ceiling joists have been reinforced with cables and the exterior walls of the building appear plumb.

BUILDING EXTERIOR

Comments: Exterior wood siding is cove type clapboard commonly referred to as "Type #105" with a 5" exposure. The siding has been painted numerous times over the years. It is unknown if lead is present the paint. The exterior wood siding is fastened directly to the wood stud structure, no plywood sheathing is present.

Siding rot is evident along the north side of the building. There has been an attempt to keep animals and children from accessing the space below the structure using a wooden fence like enclosure. The enclosure is in contact with the ground and has failed in numerous areas, allowing access to the underside of the structure.

The roof is past its reasonable life expectancy and has begun to delaminate.

BUILDING INTERIOR

Comments: In most areas the structure is also the finished interior surface. The flooring, just like the siding, is fastened directly to the structural framing, no sheathing is present. Except in the kitchen, the walls are open stud cavities as is the underside of the roof. Restroom toilet partitions are constructed of wood and are painted as opposed to more readily cleanable and sanitary materials.

TENANT MEP F/P SYSTEMS

Comments: There is no heating or cooling present in the building. The hot water heater has been removed and only cold water is available to the lavatories. There is a functioning toilet exhaust present.

BUILDING UTILITIES AND SYSTEMS

Comments: Electricity, potable cold water and a sanitary service are present in very limited capacity and fair to poor condition.

ADDITIONAL COMMENTS

Comments:

Building recommendations are based on a visual evaluation of the materials and systems. Note there may be instances where the portions of components and or system may not be visible of able to be verified.

RECOMMENDATIONS		
Architectural		
Building exterior		
Wall cladding	Modification required	Notes
Fenestration		
Doors	Replacement required	Notes
Storefront / Windows	Replacement required	Notes
Roof	Replacement required	Notes
Thermal / insulation	Replacement required	Notes
Lighting	Replacement required	Notes
Building interior		
Wall finishes	Replacement required	Notes
Floor finishes	Modification required	Notes
Ceiling finishes	None existing	Notes
Lighting	Replacement required	Notes
MEP		
Electrical	Modification required	Notes
Telephone	None existing	Notes
HVAC	None existing	Notes
Water service	Modification required	Notes
Sprinkler	None existing	Notes
Sanitary	Modification required	Notes
Natural gas	None existing	Notes
Fire alarm	None existing	Notes
Security	None existing	Notes
Comments: Building is not recommended	ed for adaptive reuse.	

CONTACT INFORMATION			
Client			
Company name	Tighe & Bond		
Contact name	Tracy Adamski		
Job title	Senior Planner, Associate		
Street address	53 South Hampton Road		
City, State, Zip	Westfield, MA 01085		
Office Phone	413.572.3256	Mobile phone	
Email	TJAdamski@tighebond.com		
Landlord			
Company name	City of Salem		
Contact name			
Job title			
Street address	85 Memorial Drive		
City, State, Zip	Salem, MA 01970		
Office Phone		Mobile phone	978.815.3152
Email			
Building engineer			
Company name	City of Salem - Winter Island R	ecreational Park	
Contact name	David Gilbert		
Job title	Park Manager		
Street address	50 Winter Island Road		
City, State, Zip	Salem, MA 01970		
Office Phone	978.745.9430	Mobile phone	978.815.3152
Email	dgilbert@salem.com		
Real estate broker			
Company name			
Contact name			
Job title			
Street address			
City, State, Zip			
Office Phone		Mobile phone	
Email			
Survey Team			
Company name	MDA		
Contact name	Joseph A DeLuca, RA		
Contact name			
Company name			
Contact name			
Contact name			

OCCUPANCY, USE AND SIZE			
Occupancy status	Vacant		
Tenant aware of displacement	*		
Current use	Recreational		
Previous use	Recreational		
Operational utilities for survey	Yes		
Building / space survey availability	Full (All spaces)		
Space(s) not surveyed	🛛 None or N/A	Floor above	Floor below
	Basement	Roof	Utility room(s)
	LL Common area	Other *	
Building / space type	Existing		
Building configuration	Stand alone		
Project located on floor(s)	1		
Building / space over all dimensions	L 50'-2" W 20'-2"		
Building / space square footage	1,012		
Number of floors in building	1	Building Height	12'
Comments: Building is used for storage	activities and contains a h	ov's restroom There is a	area for secured storage at

Comments: Building is used for storage, activities and contains a boy's restroom. There is an area for secured storage at the east end of the structure that is also used as the maintenance / workshop area.

SITE ACCESS						
Primary street / road	None	Material	*		Cond.	*
Street name	*			Туре	*	
Traffic configuration	*			Spd limit	*	
Street / road provides access to	*					
Curb cut	*	Material	*		Cond.	*
Sidewalk	*	Material	*		Cond.	*
Clear accessible path on to site	*	Width	*			
Signaled intersection	*	Distance fro	om site *			
Secondary street / road	*	Material	*		Cond	*
Street name	None - Driv	way to the r	arking area	Type	*	
	*	civity to the p		Spd limit	None	
Street / road provides access to	*			Opu. IIIIIt	None	
Curb cut	*	Material	*		Cond.	*
Sidewalk	*	Material	*		Cond.	*
Clear accessible path on to site	*	Width	*			
Signaled intersection	*	Distance fro	om site *			
Comments:						

ON SITE PARKING AND ACCESS						
Parking lot	*	Material	*		Cond.	*
Curbing	*	Material	*		Cond.	*
Striping	*	Material	*		Cond.	*
Accessible pavement markings	*	Material	*		Cond.	*
Accessible signage	*	Туре	*		Cond.	*
Car stops	*	Material	*		Cond.	*
Ponding evident	*	Location	*			
Parking lot lighting	*		Light type	*		
Parking stalls	*	Size	*	Number	*	
Accessible stalls - Car	*	Size	*	Number	*	
Accessible stalls - Van	*	Size	*	Number	*	
Accessible aisle - Car	*	Size	*	Number	*	
Accessible aisle - Van	*	Size	*	Number	*	
Comments:						
Sidewalk	*	Material	*		Cond.	*
Clear accessible path to building	*	Width	*			
Stairs	*	Material	*		Cond.	*
Stair location	Main entra	nce				
Riser and tread dimensions	Height	5 1/2" - 9"	Depth	11"	Total stair rise	20" +7"
Number of risers / treads	Risers	3 + 1	Treads	2		
Railings present	Yes	Material	Wood		Cond.	Fair
Railings system type	Handrails o	on structure	Diameter	2 x 4 flat	Railing Height	36"
Accessible continuous handrails	No					
12" top extension	No	Tread dept	h + 12" bottor	n extension	No	
Landing	Yes	Material	Wood		Cond.	Fair
Dimensions	L 4'-0"	W 4'-2 "	Η *			
Railings present	Yes	Material	Wood		Cond.	Fair
Railings system type	Handrails o	on structure	Diameter	2 x 4 flat	Railing Height	36"
Ramp	Yes	Material	Wood		Cond.	Fair
Dimensions	L 10'-0"	W <u>5'-0"</u>	H 15"	Total ramp i	rise <u>15</u> "	
Accessible ramp slope	Yes					
Railings present	Yes	Material	Wood		Cond.	Fair
Railings system type	Handrails c	on structure	Diameter	2 x 4 flat	Railing Height	36"
12" top / bottom extension	No					
Loading area	*	Туре	*			
Receiving door size	W *	Η *	Door type	*		
Trash enclosure	None		Material	*		
Number of trash / recycle bins	*		Bin size	*		
Commenter This building is not honding	n accessible	for a second of a second	waaaama inal	unding of the end where	t an managemention	4

Comments: This building is not handicap accessible for numerous reasons including incorrect or noncompliant, accessible route, door hardware, door width, fixture height, room size and room configurations. Ramp provided is suitable for use as utility access to building only and in not ADA / AAB Compliant despite the slope provided.

EXTERIOR WALL CLADDING						
North wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
East wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Poor
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
South wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
West wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*

FENESTRATION					
North wall					
Opening - no widow	Matl.	Wood	Sill / Head 30" / 84"	Cond.	Fair
*	Matl.	*	Sill / Head *	Cond.	*
*	Matl.	*	Sill / Head *	Cond.	*
East wall					
Opening - no widow	Matl.	Wood	Sill / Head 30" / 84"	Cond.	Fair
*	Matl.	*	Sill / Head *	Cond.	*
*	Matl.	*	Sill / Head *	Cond.	*
South wall					
Door	Matl.	Wood	Sill / Head 0" - 80"	Cond.	Poor
Opening - no widow	Matl.	Wood	Sill / Head 30" / 84"	Cond.	Fair
*	Matl.	*	Sill / Head *	Cond.	*
West wall					
Door	Matl.	Wood	Sill / Head 0" - 80"	Cond.	Poor
Opening - no widow	Matl.	Wood	Sill / Head 30" / 84"	Cond.	Poor
*	Matl.	*	Sill / Head	Cond.	*
Storefront / window frame color	*		Glazing color *		
Door frame color	*		Glazing color *		
Commonte: Exterior wall cladding is	"Tupo #1	05" cove topped al	anhaarda. This huilding has simpla	chuttore o	popings po

Comments: Exterior wall cladding is "Type #105" cove topped clapboards. This building has simple shutters openings, no windows are present. The openings in the wall are shuttered with top or side hinged wood panels and can be easily compromised.

ROOF SYSTEM						
Roof						
Roof configuration	Pitched	Matl.	Shingles - Asp	halt	Cond.	Poor
Roof edging	Drip edge	Matl.	Aluminum		Cond.	Fair
Drainage	None	Matl.	*		Cond.	*
Emergency / secondary drainage	e N/A	Matl.	*		Cond.	*
Drain terminates at	Grade					
Ponding	N/A	Location	*			
Patching / repairs evident	None	Location	*			
Venting	None	Туре	*			
Roof height						
Low point of Slop	ed roof	7'	High point of	Sloped roof		12'

THERMAL / INSULATION						
Slab	N/A	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Floor	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Walls	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Ceiling / Roof	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Туре	*		Cond.	*
Comments: Structure is not insulated.						

Refer to architectural floor diagram in the appendix for corresponding room designations.

BUILDING INTERIOR						
Room	Floor	Wall	Wall base	Ceiling	Clg height	
ACT	Wood	Wood	None	Wood	11'-6"	
Cond.	Fair	Fair	*	Fair		
Predom	inant lighting type	Fluorescent - Strip	Mounting type	Surface	Cond.	Fair
Emergency lighting type		Battery / Bug eyes	Mounting type	Surface	Cond.	Good
Comments:						
BR	Vinyl - Sheet	Laminate	Wood	Wood	8'-0)"
Cond.	Fair	Poor	Poor	Fair		
Predom	inant lighting type	Fluorescent - Strip	Mounting type	Surface	Cond.	Fair
Emergency lighting type		None	Mounting type	*	Cond.	*
Comme	ents:					
UTL	Wood	Wood	None	Wood	11'-	·6″
Cond.	Fair	Fair	*	Fair		
Predom	inant lighting type	Fluorescent - Strip	Mounting type	Surface	Cond.	Fair
Emergency lighting type		None	Mounting type	*	Cond.	*
Comments:						
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emergency lighting type		*	Mounting type	*	Cond.	*
Comments:						
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	ents:					
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	ents:					
RESTROOMS						
---	---------------	----------------	----------------------	--------------	-----------	-----------------
Separate M / W public restrooms	No					
Unisex Rest Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	*	Accessible lavs	*		
Women's Room					Cond.	*
Number of toilets	*		Number of lavs	*		
Accessible toilets	*		Accessible lavs	*		
Men's Room					Cond.	*
Number of toilets / urinals	4	None	Number of lavs	2		
Accessible toilets / urinals	None	None	Accessible lavs	None		
Separate M / W employee restrooms	No					
Unisex Rest Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	*	Accessible lavs	*		
Women's Room					Cond.	*
Number of toilets	*		Number of lavs	*		
Accessible toilets	*		Accessible lavs	*		
Men's Room					Cond.	*
Number of toilets / urinals	*		*	Number o	of lavs	
Accessible toilets / urinals	*		*	Accessibl	e lavs	
Comments: The building has dedicated	restrooms for	· boys only. A	n attempt has been m	ade to addre	ess acces	sibility in the

form of a 5'-0" wide stall, however the restroom has numerous deficiencies including, no grab bars, incorrect fixture height, location and sizes and is not considered accessible.

BELOW GRADE AND RAISED FOUNDATION SYSTEMS

Foundation	Yes							
Foundation system	Shallow - F	Shallow - Pier tubes / footings						
Assembly type	Monolythic	- Poured	1					
Slab	None		Slab thick	ness	*			
Primary structural members	Concrete -	Pier tube	es / footings			Cond.	Fair	
	Depth	*	Width	24" Dia	Spacing	7' to 8' 0	D.C.'	
	Direction	Parale	ll to longest dired	ction				
Secondary structural members	Piers - CM	U				Cond.	Poor	
	Depth	8"	Width	16"	Spacing	7' to 8' 0).C.'	
	Direction	Perper	ndicular to longes	st direction				
Space(s) below floor slab	🗌 None / N	A	🛛 Crawls	pace	Cellar	/ Baseme	nt	
Comments: Building sits on a combi	nation of unre	einforced	CMU piers whic	h rest on pou	red concrete	footings.	Foundation	

Comments: Building sits on a combination of unreinforced CMU piers which rest on poured concrete footings. Foundation depth was not verified.

STRUCTURAL SYSTEM							
Floor	Yes						
Floor system	Composite	assembly					
Assembly type	Structural -	1 way					
Slab / structural sheathing	Wood - Pla	nk	Slab / she	athing thkns	3/4"		
Primary structural members	Beam	Material	Wood			Cond.	Poor
	Depth	6"	Width	6"	Spacing	7' to 8' C).C.'
	Direction	Paralell to	longest direc	ction			
Secondary structural members	Joist	Material	Wood			Cond.	Poor
	Depth	5 1/2"	Width	1 3/4"	Spacing	16"O.C.	
	Direction	Perpendicu	ilar to longes	st direction			
Space(s) below floor slab	🗌 None (s	lab on grd)	🛛 Crawls	pace	Cellar	/ Basemer	nt
Wall structure (Exterior)	Yes						
Wall system	Composite	assembly					
Assembly type	Load bearii	ng		Stick frame	d		
Structural sheathing or system	Wood - Pla	nk	Thickness		5/8"		
Primary structural members	Studs	Material	Wood			Cond.	Fair
	Depth	3 1/2"	Width	1 1/2"	Spacing	16+ O.C	2
Secondary structural members	None	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Columns	None						
Perimeter columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Interior columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Cross-bracing	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Shear wall	N/A	Material	*			Cond.	*
Roof / Floor above	Yes						
System and system type	Roof	Composite	assembly				
Assembly type	Structural -	1 way					
Slab / structural sheathing	Wood - Pla	nk	Slab / she	athing thkns	3/4"		
Primary structural members	Joists	Material	Wood			Cond.	Fair
	Depth	5 1/2"	Width	1 1/2"	Spacing	18" O.C.	
	Direction	*					
	Height to u	nderside of lo	west structu	ıral member	*		
Secondary structural members	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
	Direction	*					
	Height to u	nderside of lo	west structu	iral member	*		
Comments: The exterior wall finish i	s fastened dir	ectly to the M	all stude the	ere is no struc	tural sheath	ina nreser	nt In

Comments: The exterior wall finish is fastened directly to the wall studs, there is no structural sheathing present. In addition, the finish flooring is nailed to the floor joists, there is no structural sheathing present.

ELECTRICAL SERVICE								
Electrical service present	Yes		Cond. Goo	od				
Service feed type	Overhead	Service MPOE	Exterior wall - East					
Service amperage	200	Service voltage	120/240					
Service phase	Single phase							
Number of conduits	1	Conduit size	2"					
Incoming feeder size	Unknown	Feeder material	Unknown					
CT Cabinet / location	None	*						
Meter	Yes		Cond. Goo	od				
Meter type	Utility	Meter number	66744890					
Dedicated tenant meter	Yes	Location	LL utility room					
Transformer	None	Mounting Type	*					
Location	*	Capacity in KVA	*					
Manufacturer	*	Model number	*					
Power shut down method	*	Amperage	*					
Utility company name	National Grid							
Comments: Electric service is split in th	Comments : Electric service is split in this building and feeds the other buildings via underground conduits. Electric utility							

Comments: Electric service is split in this building and feeds the other buildings via underground conduits. Electric utility meter is located inside the building.

POWER PANEL						
Panel designation (Name)	None		Cond.	Fair		
Location	Project space	Mounting type	Surface mounted			
Manufacturer	Other / Unknown	Number of breakers	18			
Amperage	150	Panel voltage	120/240			
Comments: Panel is antiquated and utilizes screw in type fuses load center						

BACK UP / EMERGENCY POWER					
Generator	None			Cond.	*
Generator used for	*				
Manufacturer	*	Model number	*		
KW (Capacity)	*	Fuel type	*		
Comments:					
TELEPHONE SERVICE					
Telephone service present	None			Cond.	*
Service feed type	*	Service MPOE	*		
Conduit size	*				
Demarc	*				
Dedicated tenant demark	*	Location	*		
Utility company name	*				
Comments:					

SECURITY SYSTEM			
Security system present	None		Cond. *
System type	*		
Manufacturer	*	Model number *	
Comments: *			

GENERAL HVAC INFORMATION								
HVAC system present	None				Cond. *			
System(s) type(s) present	🗌 RTU's	🗌 VAV	🗌 Split	Elect	Solid fuel/ wood bu	rning		
	Chilled	Chilled / Condenser water - *						
Type of conditioning available	*							
Number of units serving area	*	Total HVA	C tonnage	N/A				
Exhaust systems	Yes, in bui	lding and in p	roject space		Cond. Fair			
System type (Non-toilet room)	🗌 Gen	🗌 Ktchn	🛛 Rstrm	Smoke 🗌				
Comments:								

HVAC UNIT						
Heating / Cooling Air handler	None				Cond.	*
System type	*					
Manufacturer	*		Model number	*		
Operational during assessment	*					
Age of unit	*		Serial No	*		
Unit heat source	*		BTUH output	*		
Cooling Tonnage	*		CFM output	*		
Amperage	*		Voltage	*		
Unit location	*					
Temperature control system	*		Location of device	*		
Condenser unit	None				Cond.	*
Manufacturer	*		Model number	*		
Age of unit	*		Serial No	*		
Amperage	*		Voltage	*		
Unit location	*					
Chilled / Condenser water	None					
Water temperatures	Hot	*	Cold *			
Pipe sizes	Hot	*	Cold *			
Average gallons per minute	*		Available *			
VAV	None					
Incoming air temperature	*		CFM provided	*		
Air distribution system	None				Cond.	*
Supply air distributed via	*	Return air	collected via *			
Comments:						

DOMESTIC WATER SERVICE					
Water service present	Yes, in building and in p	(Cond.	Fair	
Service feed type	Underground	Service MPOE	Exterior wal	I - North	
Largest pipe size	1 1/2"	Pipe material	Copper		
Private or municipal service	Municipal				
Meter	None		(Cond.	*
Meter type	*	Meter number	*		
Dedicated tenant meter	*	Location	*		
Backflow preventer	None				
Filtration system	None				
Water heater	None		(Cond.	*
Water heater type	*				
Dedicated tenant hot water	*				
Manufacturer	*	Model Number	*		
	Year Mfgr *	Capacity	*		
	Wattage *	Voltage	*		
Utility company name	Salem Water and Sewer	⁻ Dept.			
Comments:					

SANITARY SERVICE			
Sanitary service present	Yes		Cond. Poor
Service feed type	Underground	Service MPOE	Exterior wall - East
Largest pipe size	4"	Pipe material	PCV
Private or municipal service	Municipal		
Vent size	4"	Location	At toilets in restroom
Grease trap	None	Capacity in GAL	*
Trap type	*	Location	*
Manufacturer	*	Model number	*
Lift station	None	Capacity in GAL	*
Manufacturer	*	Model number	*
Utility company name	Salem Water and S	ewer Dept.	
Comments:			

GAS SERVICE					
Gas present	None			Cond. *	
Service feed type	*	Service MPOE	*		
Largest pipe size	*	Pipe material	*		
Type of gas	*				
Meter	*			Cond. *	
Meter type	*	Meter number	*		
Dedicated tenant meter	*	Location	*		
Utility company name	*				
Comments:					

FIRE SPRINKLER SERVICE					
Sprinkler service present	None			Cond.	*
Service feed type	*	Service MPOE	*		
Largest pipe size	*	Pipe material	*		
Lowest pipe height	*	System type	*		
Riser location	*	F.D. Connection	*		
Backflow preventer	*				
Air compressor	*			Cond.	*
Manufacturer	*	Model number	*		
Comments:					

FIRE ALARM AND DETECTION SYSTEMS							
Fire alarm present	None			Cond.	*		
System type	*	Service MPOE	*				
Panel location	*						
Manufacturer	*	Model number	*				
Annunciator panel	None			Cond.	*		
Annunciator location	*						
Manufacturer	*	Model number	*				
Notification devices	None						
Pull stations	*						
Horn / strobes	*						
Smokes / Heat detectors present	Yes						
Fire extinguishers present	Yes						

PHOTOS



East facing elevation



South facing elevation



West facing elevation



North facing elevation



Activity area looking west.



Steel cables added to prevent outward roof thrust.





Boy's Room viewed toward accessible stall

Standard toilet stall Note porous wood base



Non-compliant accessible stall. Note Caretakers building electrical conduit feed to the left.



Primary electric service feeds Main, Boy's, Girl's and Caretakers buildings.



Exposed sanitary line.



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BUILDING SURVEY REPORT

REPORT DATE 12/27/2016

BUILDING LOCATION

Main Building (Building #3) 85 Memorial Drive Salem, MA 01970

PREPARED FOR

Tighe & Bond 53 South Hampton Road Westfield, MA 01085

PREPARED BY

Millennium Design Associates, Inc 1599 Washington Street Suite 1A Braintree, MA 02182 781.843.9400

www.MDAarchitecture.com

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GENERAL BUILDING SUMMARY

Comments: The subject building is a single story wood framed seasonal shelter 50 feet long by 20 feet wide built in a conventional residential platform framing style. The structure sits on piers of unreinforced concrete blocks that act as the foundation. Foundation depth could not be verified, however it is not uncommon for older structures to sit upon or go slightly below grade and not to the proper depth to prevent frost heaving.

The structure, finish and utility components are provided to a lesser extent than would be required for year round occupancy and could not be replaced today without significant code improvements being necessary. The lack of structural sheathing throughout, in combination with framing members which are close to their nominal sizes in thickness and depth, suggest that this structure was built in the early half of the 20th century.

Overall condition of the structure is poor. The wood framing and siding of the structure is very close to, and in some instances, in contact with grade. There is excessive differential settlement in the south end of the building resulting in a greater than 2% floor slope at several areas inside the building. The lack of collar ties and improperly spaced ceiling joists have resulted in the roof ridge sagging. At two points the ridge has split and the roof rafters have pulled away from it.

BUILDING EXTERIOR

Comments: Exterior wood siding is cove type clapboard commonly referred to as "Type #105" with a 5" exposure. The siding has been painted numerous times over the years. It is unknown if lead is present the paint. The exterior wood siding is fastened directly to the wood stud structure, no plywood sheathing is present.

Sill and siding rot is evident along the south and west sides of the building and there is ample opportunity for rodents and animals to occupy the space under the structure. There are numerous areas where siding has split and or rotted through.

Windows are builder grade double hung, non-insulated, plate glass windows.

The roof shingles are beyond reasonable life expectancy.

BUILDING INTERIOR

Comments: In most areas the structure is also the finished interior surface. The flooring, just like the siding, is fastened directly to the structural framing, no sheathing is present. Except in the kitchen, the walls are open stud cavities as is the underside of the roof.

TENANT MEP F/P SYSTEMS

Comments: Heat can be provided by either a wood burning stove or the brick fireplace. There is no adequate protection from either heat sources suitable for small children.

BUILDING UTILITIES AND SYSTEMS

Comments: Electricity, telephone, potable / hot water and a sanitary service are present in very limited capacity and fair to poor condition.

ADDITIONAL COMMENTS

Comments:

Building recommendations are based on a visual evaluation of the materials and systems. Note there may be instances where the portions of components and or system may not be visible of able to be verified.

RECOMMENDATIONS			
Architectural			
Building exterior			
Wall cladding	Replacement required	Notes	
Fenestration			
Doors	Replacement required	Notes	
Storefront / Windows	Replacement required	Notes	
Roof	Replacement required	Notes	
Thermal / insulation	None existing	Notes	
Lighting	Replacement required	Notes	
Building interior			
Wall finishes	Replacement required	Notes	
Floor finishes	Modification required	Notes	
Ceiling finishes	None existing	Notes	
Lighting	Replacement required	Notes	
MEP			
Electrical	Replacement required	Notes	
Telephone	Modification required	Notes	
HVAC	Modification required	Notes	Wood stove could be slavaged
Water service	Modification required	Notes	
Sprinkler	None existing	Notes	
Sanitary	Replacement required	Notes	
Natural gas	None existing	Notes	
Fire alarm	None existing	Notes	
Security	None existing	Notes	
Comments: Building not recommended	for adaptive reuse		

CONTACT INFORMATION			
Client			
Company name	Tighe & Bond		
Contact name	Tracy Adamski		
Job title	Senior Planner, Associate		
Street address	53 South Hampton Road		
City, State, Zip	Westfield, MA 01085		
Office Phone	413.572.3256	Mobile phone	
Email	TJAdamski@tighebond.com		
Landlord			
Company name	City of Salem		
Contact name			
Job title			
Street address	85 Memorial Drive		
City, State, Zip	Salem, MA 01970		
Office Phone		Mobile phone	978.815.3152
Email			
Building engineer			
Company name	City of Salem - Winter Island R	ecreational Park	
Contact name	David Gilbert		
Job title	Park Manager		
Street address	50 Winter Island Road		
City, State, Zip	Salem, MA 01970		
Office Phone	978.745.9430	Mobile phone	978.815.3152
Email	dgilbert@salem.com		
Real estate broker			
Company name			
Contact name			
Job title			
Street address			
City, State, Zip			
Office Phone		Mobile phone	
Email			
Survey Team			
Company name	MDA		
Contact name	Joseph A DeLuca, RA		
Contact name			
Company name			
Contact name			
Contact name			

OCCUPANCY, USE AND SIZE						
Occupancy status	Vacant					
Tenant aware of displacement	*					
Current use	Recreational					
Previous use	Recreational					
Operational utilities for survey	Yes					
Building / space survey availability	Full (All spaces)					
Space(s) not surveyed	🛛 None or N/A	Floor above	Floor below			
	Basement	Roof	Utility room(s)			
	LL Common area	Other *				
Building / space type	Existing					
Building configuration	Stand alone					
Project located on floor(s)	1					
Building / space over all dimensions	L 50'-2" W 20'-2"					
Building / space square footage	1,012					
Number of floors in building	1	Building Height	12'			
Comments: Building is used for activities	Comments: Building is used for activities, food preparation, storage and contains a first aid station.					

Primary street / road	Yes	Material	Asphalt		Cond.	Good
Street name	Memoria	l Drive		Туре	Town	
Traffic configuration	2 way, 2	lane - nondivid	led	Spd limit	30 MPH	
Street / road provides access to	Site - De	dicated access	road / street			
Curb cut	Yes	Material	Granite		Cond.	Fair
Sidewalk	Yes	Material	Asphalt		Cond.	*
Clear accessible path on to site	Yes	Width	36"			
Signaled intersection	No	Distance fr	om site	ŧ		
Secondary street / road	None	Material	*		Cond.	*
Secondary street / road Street name	None *	Material	*	Туре	Cond.	*
Secondary street / road Street name Traffic configuration	None * *	Material	*	Type Spd. limit	Cond. * *	*
Secondary street / road Street name Traffic configuration Street / road provides access to	None * *	Material	*	Type Spd. limit	Cond. * *	*
Secondary street / road Street name Traffic configuration Street / road provides access to Curb cut	None * * * * * *	Material Material	*	Type Spd. limit	Cond. * * Cond.	*
Secondary street / road Street name Traffic configuration Street / road provides access to Curb cut Sidewalk	None * * * * * None	Material Material Material	* * *	Type Spd. limit	Cond. * Cond. Cond.	* * *
Secondary street / road Street name Traffic configuration Street / road provides access to Curb cut Sidewalk Clear accessible path on to site	None * * * * None *	Material Material Material Width	* * * * *	Type Spd. limit	Cond. * Cond. Cond.	* * *

ON SITE PARKING AND ACCESS					
Parking lot None	Material	*		Cond.	*
Curbing *	Material	*		Cond.	*
Striping *	Material	*		Cond.	*
Accessible pavement markings *	Material	*		Cond.	*
Accessible signage *	Туре	*		Cond.	*
Car stops *	Material	*		Cond.	*
Ponding evident *	Location	*			
Parking lot lighting None		Light type	*		
Parking stalls None	Size	*	Number	*	
Accessible stalls - Car *	Size	*	Number	*	
Accessible stalls - Van *	Size	*	Number	*	
Accessible aisle - Car *	Size	*	Number	*	
Accessible aisle - Van *	Size	*	Number	*	
Comments: There is no parking lot adjacent to this bu	uilding.				
Sidewalk None	Material	*		Cond.	*
Clear accessible path to building *	Width	*			
Stairs None	Material	*		Cond.	*
Stair location *					
Riser and tread dimensions Height	*	Depth	*	Total stair rise	*
Number of risers / treads Risers	*	Treads	*		
Railings present *	Material	*		Cond.	*
Railings system type *		Diameter	*	Railing Height	*
Accessible continuous handrails *					
12" top extension *	Tread depth	n + 12" botton	n extension	*	
Landing Yes	Material	Wood		Cond.	Fair
Dimensions L 6'-0"	W 4'-0 "	H <mark>8</mark> "			
Railings present None	Material	*		Cond.	*
Railings system type *		Diameter	*	Railing Height	*
Ramp Yes	Material	Wood		Cond.	Fair
Dimensions L 8'-0"	W 4'-3 "	H 8″	Total ramp	rise <mark>8</mark> ″	
Accessible ramp slope Yes					
Railings present Yes	Material	Wood		Cond.	Fair
Railings system type Handrails o			0 451-1	Pailing Hoight	36"
12" top / bottom extension No	n structure	Diameter	2 x 4 flat	Railing height	50
	n structure	Diameter	2 X 4 flat	Raining height	
Loading area None	n structure Type	biameter *	2 X 4 11at	Railing height	30
Loading areaNoneReceiving door sizeW *	n structure Type H *	biameter * Door type	2 X 4 Tlat *		
Loading areaNoneReceiving door sizeW *Trash enclosureNone	n structure Type H *	Diameter * Door type Material	2 X 4 TIAt *		

Comments: Ramp provided essentially allows a level entrance in to the facility as grade slopes down towards the building from the west, however door hardware, door size and excessive floor slope make the building noncompliant with respect to accessibility.

EXTERIOR WALL CLADDING						
North wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
East wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
South wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
West wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*

FENESTRATION							
North wall							
Opening - no widow	Matl.	Wood	Sill / Head	30" / 84"		Cond.	Poor
*	Matl.	*	Sill / Head	*		Cond.	*
*	Matl.	*	Sill / Head	*		Cond.	*
East wall							
Door	Matl.	Wood	Sill / Head	0" - 80"		Cond.	Fair
Window, Operable - Noninsul.	Matl.	Wood	Sill / Head	32" - 78"		Cond.	Poor
*	Matl.	*	Sill / Head	*		Cond.	*
South wall							
Window, Operable - Noninsul.	Matl.	Wood	Sill / Head	32" - 78"		Cond.	Poor
*	Matl.	*	Sill / Head	*		Cond.	*
*	Matl.	*	Sill / Head	*		Cond.	*
West wall							
Door	Matl.	Wood	Sill / Head	0" - 80"		Cond.	Poor
Window, Operable - Noninsul.	Matl.	Wood	Sill / Head	32" - 78"		Cond.	Poor
Opening - no widow	Matl.	Wood	Sill / Head	30" / 84"		Cond.	Poor
Storefront / window frame color	White		Glazing col	or	Clear		
Door frame color	Other		Glazing col	or	Clear		
Comments: Exterior wall cladding is	"Type #1()5" cove topped cla	phoards This	huilding has	a mix of	double h	una wood

Comments: Exterior wall cladding is "Type #105" cove topped clapboards. This building has a mix of double hung wood windows and simple shuttered openings. The openings in the wall are shuttered with top hinged wood panels.

ROOF SYSTEM						
Roof						
Roof configuration	Pitched	Matl.	Shingles - Asp	halt	Cond.	Fair
Roof edging	Drip edge	Matl.	Aluminum		Cond.	Fair
Drainage	None	Matl.	*		Cond.	*
Emergency / secondary drainag	e <mark>N/A</mark>	Matl.	*		Cond.	*
Drain terminates at	Grade					
Ponding	N/A	Location	*			
Patching / repairs evident	None	Location	*			
Venting	None	Туре	*			
Roof height						
Low point of Slop	ed roof	7'	High point of	Sloped roof		12'

THERMAL / INSULATION						
Slab	N/A	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Floor	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Walls	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Ceiling / Roof	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Туре	*		Cond.	*
Comments: Structure is not insulated.						

Refer to architectural floor diagram in the appendix for corresponding room designations.

BUILDI	NG INTERIOR					
Room	Floor	Wall	Wall base	Ceiling Clg		lg height
ACT	Wood	Wood	None	Wood	11'	-6"
Cond.	Fair	Fair	*	Fair		
Predom	inant lighting type	Fluorescent	Mounting type	Surface	Cond.	Fair
Emerge	ncy lighting type	Battery / Bug eyes	Mounting type	Surface	Cond.	Good
Comme	nts:					
KIT	Wood	Laminate	None	Wood	11'	-6"
Cond.	Fair	Poor	*	Fair		
Predom	inant lighting type	Fluorescent - Strip	Mounting type	Suspended	Cond.	Fair
Emerge	ncy lighting type	None	Mounting type	*	Cond.	*
Comme	nts:					
STO	Wood	Wood	None	Wood	8' +	-
Cond.	Fair	Fair	*	Fair		
Predom	inant lighting type	Fluorescent - Strip	Mounting type	Suspended	Cond.	Fair
Emerge	ncy lighting type	None	Mounting type	*	Cond.	*
Comme	nts:					
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	nts:					
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	nts:					
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	nts:					

RESTROOMS						
Separate M / W public restrooms	No					
Unisex Rest Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	*	Accessible lavs	*		
Women's Room					Cond.	*
Number of toilets	*		Number of lavs	*		
Accessible toilets	*		Accessible lavs	None		
Men's Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	*	Accessible lavs	*		
Separate M / W employee restrooms	No					
Unisex Rest Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	*	Accessible lavs	*		
Women's Room					Cond.	*
Number of toilets	*		Number of lavs	*		
Accessible toilets	*		Accessible lavs	*		
Men's Room					Cond.	*
Number of toilets / urinals	*		Number of lavs	*		
Accessible toilets / urinals	*		Accessible lavs	*		
Comments: The building does not have	any restroon	n facilities.				

BELOW GRADE AND RAISED STRUCTURAL SYSTEMS									
Foundation	Yes								
Foundation system	Shallow - F	Pier tubes / fo	otings						
Assembly type	Monolythic	- Poured							
Slab	None	None Slab thickness			*				
Primary structural members	Concrete -	Pier tubes / f	Cond. <i>Fair</i>						
	Depth	*	Width	24" Dia	Spacing	7' to 8' 0.C.'			
	Direction	Paralell to	longest dired	ction					
Secondary structural members	Piers - CM	U				Cond. Poor			
	Depth	8"	Width	16"	Spacing	7' to 8' O.C.'			
	Direction	Perpendicu	ular to longe	st direction					
Space(s) below floor slab	🗌 None / N	None / NA Crawlspace			Cellar	/ Basement			
Comments: Building sits on a combine depth was not verified.	nation of unre	einforced CM	U piers whic	h rest on pou	red concrete	footings. Foundation			

STRUCTURAL SYSTEMS							
Floor	Yes						
Floor system	Composite	assembly					
Assembly type	Structural -	1 way					
Slab / structural sheathing	Wood - Pla	nk	Slab / she	athing thkns	3/4"		
Primary structural members	Beam	Material	Wood			Cond.	Poor
	Depth	6"	Width	6"	Spacing	7' to 8' C).C.'
	Direction	Paralell to	longest direc	ction			
Secondary structural members	Joist	Material	Wood			Cond.	Poor
	Depth	5 1/2"	Width	1 3/4"	Spacing	16"O.C.	
	Direction	Perpendicu	ilar to longes	st direction			
Space(s) below floor slab	🗌 None (s	lab on grd)	🛛 Crawls	pace	🗌 Cellar	/ Basemer	nt
Wall structure (Exterior)	Yes						
Wall system	Composite	assembly					
Assembly type	Load bearii	ng		Stick frame	ed		
Structural sheathing or system	Wood - Pla	nk	Thickness		5/8"		
Primary structural members	Studs	Material	Wood			Cond.	Fair
	Depth	3 1/2"	Width	1 1/2"	Spacing	16+ O.C	
Secondary structural members	None	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Columns	None						
Perimeter columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Interior columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Cross-bracing	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Shear wall	N/A	Material	*			Cond.	*
Roof / Floor above	Yes						
System and system type	Roof	Composite	assembly				
Assembly type	Structural -	1 way					
Slab / structural sheathing	Wood - Pla	nk	Slab / she	athing thkns	3/4"		
Primary structural members	Joists	Material	Wood			Cond.	Fair
	Depth	5 1/2"	Width	1 1/2"	Spacing	18" O.C.	
	Direction	*					
	Height to u	nderside of lo	west structu	iral member	*		
Secondary structural members	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
	Direction	*					
	Height to u	nderside of lo	west structu	iral member	*		
Comments: The exterior wall finish i	s fastened dir	ectly to the M	all stude the	ere is no struc	tural sheath	ina nreser	ot In

Comments: The exterior wall finish is fastened directly to the wall studs, there is no structural sheathing present. In addition, the finish flooring is nailed to the floor joists, there is no structural sheathing present.

ELECTRICAL SERVICE			
Electrical service present	Yes		Cond. Fair
Service feed type	Underground	Service MPOE	Exterior wall - North
Service amperage	100	Service voltage	120/240
Service phase	Single phase		
Number of conduits	1	Conduit size	2"
Incoming feeder size	Unknown	Feeder material	Unknown
CT Cabinet / location	None	*	
Meter	Yes		Cond. *
Meter type	*	Meter number	*
Dedicated tenant meter	*	Location	Different building
Transformer	None	Mounting Type	*
Location	*	Capacity in KVA	*
Manufacturer	*	Model number	*
Power shut down method	*	Amperage	*
Utility company name	National Grid		
Comments: *			

POWER PANEL								
Panel designation (Name)	None		Cond. Fair					
Location	Project space	Mounting type	Surface mounted					
Manufacturer	Wadsworth	Number of breakers	8					
Amperage	100	Panel voltage	120/240					
Comments: Panel is fed from a 100 AMP disconnect located in the Boy's Room Building. Power to the Ladies Room								

Comments: Panel is fed from a 100 AMP disconnect located in the Boy's Room Building. Power to the Ladies Room building is fed off this panel via 2" conduit. Panel is antiquated and utilizes screw in type fuses.

BACK UP / EMERGENCY POWER									
Generator	None			Cond.	*				
Generator used for	*								
Manufacturer	*	Model number	*						
KW (Capacity)	*	Fuel type	*						
Comments:									

TELEPHONE SERVICE			
Telephone service present	Yes, in building an	Cond. Fair	
Service feed type	Overhead	Service MPOE	Exterior wall - East
Conduit size	N/A		
Demarc	Yes		
Dedicated tenant demark	Yes	Location	Project space
Utility company name	Verizon		
Comments: The building has two Der	narcs located on the e	xterior. The first serves the	main building with the second

Comments: The building has two Demarcs located on the exterior. The first serves the main building with the second running along the exterior of both the main building and the boy's room's buildings to serve the caretakers building.

SECURITY SYSTEM			
Security system present	None		Cond. *
System type	*		
Manufacturer	*	Model number *	
Comments: *			

GENERAL HVAC INFORMATION									
HVAC system present	Yes				Cond. Good				
System(s) type(s) present	🗌 RTU's	🗌 VAV	🗌 Split	Elect	Solid fuel/ wood burning				
	Chilled / Condenser water - *								
Type of conditioning available	Heat only								
Number of units serving area	2	2 Total HVAC tonnage		N/A					
Exhaust systems	None				Cond. *				
System type (Non-toilet room)	🗌 Gen	🗌 Ktchn	🗌 Rstrm	Smoke					
Comments: Space is served by both a small fireplace and a wood burning stove. Neither was operating at the time of the survey.									

HVAC UNIT						0	01
Heating / Cooling Air handler	Yes, in bui	laing and in p	project space			Cond.	Good
System type	Solid fuel k	ourning (wood	d or pellets)				
Manufacturer	*		Model numb	oer	*		
Operational during assessment	No						
Age of unit	*		Serial No		*		
Unit heat source	Solid fuel		BTUH outpu	ut	*		
Cooling Tonnage	*		CFM output	:	*		
Amperage	*		Voltage		*		
Unit location	*						
Temperature control system	*		Location of	device	*		
Condenser unit	N/A					Cond.	*
Manufacturer	*		Model numb	ber	*		
Age of unit	*		Serial No		*		
Amperage	*		Voltage		*		
Unit location	*						
Chilled / Condenser water	N/A						
Water temperatures	Hot	*	Cold	*			
Pipe sizes	Hot	*	Cold	*			
Average gallons per minute	*		Available	*			
VAV	N/A						
Incoming air temperature	*		CFM provid	ed	*		
Air distribution system	None					Cond.	*
Supply air distributed via	*	Return air	collected via	*			
Comments:							

DOMESTIC WATER SERVICE						
Water service present	Yes, in build	ding and in p	project space		Cond.	Fair
Service feed type	Undergrour	nd	Service MPOE	Exterior wa	all - West	
Largest pipe size	Unknown		Pipe material	Unknown		
Private or municipal service	Municipal					
Meter	None				Cond.	*
Meter type	*		Meter number	*		
Dedicated tenant meter	*		Location	*		
Backflow preventer	None					
Filtration system	None					
Water heater	Yes				Cond.	Excellent
Water heater type	Tank type					
Dedicated tenant hot water	Yes					
Manufacturer	Bradford W	hite	Model Number	Unknown		
	Year Mfgr	2015	Capacity	15-20 gallo	ons	
	Wattage	1,500	Voltage	120V		
Utility company name	Salem Wate	er and Sewe	er Dept.			
Comments:						

SANITARY SERVICE			
Sanitary service present	Yes		Cond. Poor
Service feed type	Underground	Service MPOE	Exterior wall - North
Largest pipe size	4"	Pipe material	PCV
Private or municipal service	Municipal		
Vent size	1 1/2"	Location	At sink in kitchen
Grease trap	None	Capacity in GAL	*
Trap type	*	Location	*
Manufacturer	*	Model number	*
Lift station	None	Capacity in GAL	*
Manufacturer	*	Model number	*
Utility company name	Salem Water and Se	ewer Dept.	
Comments:			

GAS SERVICE					
Gas present	None			Cond. *	
Service feed type	*	Service MPOE	*		
Largest pipe size	*	Pipe material	*		
Type of gas	*				
Meter	*			Cond. *	
Meter type	*	Meter number	*		
Dedicated tenant meter	*	Location	*		
Utility company name	*				
Comments:					

FIRE SPRINKLER SERVICE					
Sprinkler service present	None			Cond.	*
Service feed type	*	Service MPOE	*		
Largest pipe size	*	Pipe material	*		
Lowest pipe height	*	System type	*		
Riser location	*	F.D. Connection	*		
Backflow preventer	*				
Air compressor	*			Cond.	*
Manufacturer	*	Model number	*		
Comments:					

FIRE ALARM AND DETECTION SYSTEMS					
Fire alarm present	None			Cond.	*
System type	*	Service MPOE	*		
Panel location	*				
Manufacturer	*	Model number	*		
Annunciator panel	None			Cond.	*
Annunciator location	*				
Manufacturer	*	Model number	*		
Notification devices	None				
Pull stations	*				
Horn / strobes	*				
Smokes / Heat detectors present	Yes				
Fire extinguishers present	Yes				

PHOTOS



View from Memorial Drive - East facing elevation



South facing elevation



West facing elevation



North facing elevation



Siding deficiencies



Siding in contact with ground



Settlement of the east side of building (3.2 degree floor slope)



Split ridge beam at area of roof deflection





BUILDING SURVEY REPORT

REPORT DATE 12/27/2016

BUILDING LOCATION

Girl's Room Building (Building #4) 85 Memorial Drive Salem, MA 01970

PREPARED FOR

Tighe & Bond 53 South Hampton Road Westfield, MA 01085

PREPARED BY

Millennium Design Associates, Inc 1599 Washington Street Suite 1A Braintree, MA 02182 781.843.9400

www.MDAarchitecture.com
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GENERAL BUILDING SUMMARY

Comments: The subject building is a single story wood framed seasonal shelter 50 feet long by 20 feet wide built in a conventional residential platform framing style. The structure sits on piers of unreinforced concrete blocks that act as the foundation. Foundation depth could not be verified, however it is not uncommon for older structures to sit upon or go slightly below grade and not to the proper depth to prevent frost heaving.

The structure, finish and utility components are provided to a lesser extent than would be required for year round occupancy and could not be replaced today without significant code improvements being necessary. The lack of structural sheathing throughout, in combination with framing members which are close to their nominal sizes in thickness and depth, suggest that this structure was built in the early half of the 20th century.

Overall condition of the structure is poor. The wood framing and siding of the structure is very close to, and in some instances, in contact with grade. There is excessive differential settlement in the east end of the building resulting in a greater than 1% floor slope. The lack of collar ties and improperly spaced ceiling joists have resulted in the north facing wall being bowed out of plumb a few inches at the top due to roof loading.

BUILDING EXTERIOR

Comments: Exterior wood siding is cove type clapboard commonly referred to as "Type #105" with a 5" exposure. The siding has been painted numerous times over the years. It is unknown if lead is present the paint. The exterior wood siding is fastened directly to the wood stud structure, no plywood sheathing is present.

Siding rot is evident along the west side of the building. There has been an attempt to prevent access to the space below the structure using wooden lattice. The enclosure is in contact with the ground and has failed in numerous areas, allowing access to the underside of the structure.

The roof is well past its life expectancy and has delaminated in several areas.

BUILDING INTERIOR

Comments: In most areas the structure is also the finished interior surface. The flooring, just like the siding, is fastened directly to the structural framing, no sheathing is present. Except in the kitchen, the walls are open stud cavities as is the underside of the roof.Restroom toilet partitions are constructed of wood and are painted as opposed to more readily cleanable and sanitry materials.

TENANT MEP F/P SYSTEMS

Comments: There is no heating or cooling present in the building. The hotwater heater has been removed and only cold water is available to the lavatories. There is a functioning toilet exhaust present.

BUILDING UTILITIES AND SYSTEMS

Comments: Electricity, potable cold water and a sanitary services are present in very limited capacity and fair to poor condition.

ADDITIONAL COMMENTS

Comments:

Building recommendations are based on a visual evaluation of the materials and systems. Note there may be instances where the portions of components and or system may not be visible of able to be verified.

RECOMMENDATIONS		
Architectural		
Building exterior		
Wall cladding	Modification required	Notes
Fenestration		
Doors	Replacement required	Notes
Storefront / Windows	Replacement required	Notes
Roof	Replacement required	Notes
Thermal / insulation	None existing	Notes
Lighting	Replacement required	Notes
Building interior		
Wall finishes	None existing	Notes
Floor finishes	Modification required	Notes
Ceiling finishes	None existing	Notes
Lighting	Replacement required	Notes
MEP		
Electrical	Replacement required	Notes
Telephone	None existing	Notes
HVAC	None existing	Notes
Water service	Modification required	Notes
Sprinkler	None existing	Notes
Sanitary	Modification required	Notes
Natural gas	None existing	Notes
Fire alarm	None existing	Notes
Security	None existing	Notes
Comments: Building is not recommende	ed for adaptive reuse.	

CONTACT INFORMATION			
Client			
Company name	Tighe & Bond		
Contact name	Tracy Adamski		
Job title	Senior Planner, Associate		
Street address	53 South Hampton Road		
City, State, Zip	Westfield, MA 01085		
Office Phone	413.572.3256	Mobile phone	
Email	TJAdamski@tighebond.com		
Landlord			
Company name	City of Salem		
Contact name			
Job title			
Street address	85 Memorial Drive		
City, State, Zip	Salem, MA 01970		
Office Phone		Mobile phone	978.815.3152
Email			
Building engineer			
Company name	City of Salem - Winter Island R	ecreational Park	
Contact name	David Gilbert		
Job title	Park Manager		
Street address	50 Winter Island Road		
City, State, Zip	Salem, MA 01970		
Office Phone	978.745.9430	Mobile phone	978.815.3152
Email	dgilbert@salem.com		
Real estate broker			
Company name			
Contact name			
Job title			
Street address			
City, State, Zip			
Office Phone		Mobile phone	
Email			
Survey Team			
Company name	MDA		
Contact name	Joseph A DeLuca, RA		
Contact name			
Company name			
Contact name			
Contact name			

OCCUPANCY, USE AND SIZE	OCCUPANCY, USE AND SIZE							
Occupancy status	Vacant							
Tenant aware of displacement	*							
Current use	Recreational							
Previous use	Recreational							
Operational utilities for survey	Yes							
Building / space survey availability	Full (All spaces)							
Space(s) not surveyed	🛛 None or N/A	Floor above	Floor below					
	Basement	Roof	Utility room(s)					
	LL Common area	Other *						
Building / space type	Existing							
Building configuration	Stand alone							
Project located on floor(s)	1							
Building / space over all dimensions	L 50'-2" W 20'-2"							
Building / space square footage	1,012							
Number of floors in building	1	Building Height	12'					
Comments: Building is used for storage, activities and contains a girl's restroom. There is also an unsecured storage area								

Comments: Building is used for storage, activities and contains a girl's restroom. There is also an unsecured storage are at the west end of the structure.

SITE ACCESS

Primary street / road	Yes	Material	Asphalt		Cond.	Good
Street name	Memorial Drive			Туре	Town	
Traffic configuration	2 way, 2 lane - nondivided			Spd limit	30 MPH	
Street / road provides access to	Site - Dedicated access road / street					
Curb cut	Yes	Material	Granite		Cond.	Fair
Sidewalk	Yes	Material	Asphalt		Cond.	*
Clear accessible path on to site	Yes	Width	36″			
Signaled intersection	No Distance from site			*		
Comments: Public sidewalk runs parallel to Memorial Drive.						

Secondary street / road	Yes	Material	Asphalt		Cond.	Fair	
Street name	None - Driv	eway to the p	oarking area	Туре	Town		
Traffic configuration	2 way, 1 lar	ne		Spd. limit	None		
Street / road provides access to	Site - Dedic	ated parking	lot				
Curb cut	None	Material	*		Cond.	*	
Sidewalk	None	Material	*		Cond.	*	
Clear accessible path on to site	*	Width	*				
Signaled intersection	None Distance from site			*			
Comments: Main vehicular access to camp site is adjacent to this building							

ON SITE PARKING AND ACCESS						
Parking lot	Yes	Material	Earth		Cond.	Fair
Curbing	None	Material	*		Cond.	*
Striping	None	Material	*		Cond.	*
Accessible pavement markings	None	Material	*		Cond.	*
Accessible signage	None	Туре	*		Cond.	*
Car stops	Yes	Material	*		Cond.	*
Ponding evident	*	Location	*			
Parking lot lighting	None		Light type	*		
Parking stalls	None	Size	*	Number	*	
Accessible stalls - Car	None	Size	*	Number	*	
Accessible stalls - Van	None	Size	*	Number	*	
Accessible aisle - Car	None	Size	*	Number	*	
Accessible aisle - Van	None	Size	*	Number	*	
Comments: There is no parking lot adja	cent to this b	ouilding.				
Sidewalk	None	Material	*		Cond.	*
Clear accessible path to building	*	Width	*			
Stairs	Yes	Material	Wood		Cond.	Fair
Stair location	Main entra	ince				
Riser and tread dimensions	Height	8"	Depth	11"	Total stair rise	24" +7"
Number of risers / treads	Risers	3 + 1	Treads	2		
Railings present	Yes	Material	Wood		Cond.	Fair
Railings system type	Handrails	on structure	Diameter	2 x 4 flat	Railing Height	36″
Accessible continuous handrails	No					
12" top extension	No	Tread dept	h + 12" bottor	n extension	No	
Landing	Yes	Material	Wood		Cond.	Fair
Dimensions	L 4'-0"	W <u>3'-0"</u>	Н *			
Railings present	Yes	Material	Wood		Cond.	Fair
Railings system type	Handrails	on structure	Diameter	2 x 4 flat	Railing Height	36″
Ramp	Yes	Material	Wood		Cond.	Fair
Dimensions	L 12'-4"	W <u>3'-0"</u>	H 8″	Total ramp r	rise 22"	
Accessible ramp slope	Yes					
Railings present	Yes	Material	Wood		Cond.	Fair
Railings system type	Handrails	on structure	Diameter	2 x 4 flat	Railing Height	36″
12" top / bottom extension	No					
Loading area	None	Туре	*			
Receiving door size	W *	H *	Door type	*		
Trash enclosure	None		Material	*		
Number of trash / recycle bins	*		Bin size	*		

Comments: This building is not handicap accessible for numerous reasons including incorrect or noncompliant, accessible route, door hardware, door width, fixture height, room size and room configurations. Ramp provided is suitable for use as utility access to building only and in not ADA / AAB Compliant despite the slope provided.

EXTERIOR WALL CLADDING						
North wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
East wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Poor
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
South wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
West wall						
Siding - Clapboards	Matl.	Wood	Height	Full	Cond.	Fair
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*

FENESTRATION					
North wall					
Door	Matl.	Wood	Sill / Head 0" - 80"	Cond.	Poor
Opening - no widow	Matl.	Wood	Sill / Head 30" / 84"	Cond.	Fair
*	Matl.	*	Sill / Head *	Cond.	*
East wall					
Opening - no widow	Matl.	Wood	Sill / Head 30" / 84"	Cond.	Poor
*	Matl.	*	Sill / Head *	Cond.	*
*	Matl.	*	Sill / Head *	Cond.	*
South wall					
Opening - no widow	Matl.	Wood	Sill / Head 30" / 84"	Cond.	Poor
*	Matl.	*	Sill / Head *	Cond.	*
*	Matl.	*	Sill / Head *	Cond.	*
West wall					
Door	Matl.	Wood	Sill / Head 0" - 80"	Cond.	Poor
Opening - no widow	Matl.	Wood	Sill / Head 30" / 84"	Cond.	Poor
*	Matl.	*	Sill / Head	Cond.	*
Storefront / window frame color	*		Glazing color *		
Door frame color	*		Glazing color *		

Comments: Exterior wall cladding is "Type #105" cove topped clapboards. This building has simple shutteres openings, no windows are present. The openings in the wall are shuttered with top or side hinged wood panels and can be easily compramised.

ROOF SYSTEM						
Roof						
Roof configuration	Pitched	Matl.	Shingles - Asp	halt	Cond.	Poor
Roof edging	Drip edge	Matl.	Aluminum		Cond.	Fair
Drainage	None	Matl.	*		Cond.	*
Emergency / secondary drainage	e N/A	Matl.	*		Cond.	*
Drain terminates at	Grade					
Ponding	N/A	Location	*			
Patching / repairs evident	None	Location	*			
Venting	None	Туре	*			
Roof height						
Low point of Slop	ed roof	7'	High point of	Sloped roof		12'

THERMAL / INSULATION						
Slab	N/A	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Floor	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Walls	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Ceiling / Roof	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Туре	*		Cond.	*
Comments: Structure is not insulated.						

Refer to architectural floor diagram in the appendix for corresponding room designations.

BUILDI	NG INTERIOR					
Room	Floor	Wall	Wall base	Ceiling	C	lg height
ACT	Wood	Wood	None	Wood	11'	-6″
Cond.	Fair	Fair	*	Fair		
Predom	inant lighting type	Fluorescent	Mounting type	Surface	Cond.	Fair
Emerge	ncy lighting type	Battery / Bug eyes	Mounting type	Surface	Cond.	Good
Comme	ents:					
GR	Vinyl - Sheet	Laminate	Wood	Wood	8'-()"
Cond.	Fair	Poor	Poor	Fair		
Predom	inant lighting type	Fluorescent - Strip	Mounting type	Surface	Cond.	Fair
Emerge	ncy lighting type	None	Mounting type	*	Cond.	*
Comme	ents:					
STO	Wood	Wood	None	Wood	11'	-6"
Cond.	Fair	Fair	*	Fair		
Predom	inant lighting type	Fluorescent - Strip	Mounting type	Surface	Cond.	Fair
Emerge	ncy lighting type	Battery / Bug eyes	Mounting type	Surface	Cond.	Good
Comme	ents:					
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	ents:					
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	ents:					
	*	*	*	*	*	
Cond.	*	*	*	*		
Predom	inant lighting type	*	Mounting type	*	Cond.	*
Emerge	ncy lighting type	*	Mounting type	*	Cond.	*
Comme	ents:					

RESTROOMS						
Separate M / W public restrooms	No					
Unisex Rest Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	*	Accessible lavs	*		
Women's Room					Cond.	Poor
Number of toilets	5		Number of lavs	2		
Accessible toilets	None		Accessible lavs	None		
Men's Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	None	Accessible lavs	*		
Separate M / W employee restrooms	No					
Unisex Rest Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	*	Accessible lavs	*		
Women's Room					Cond.	*
Number of toilets	*		Number of lavs	*		
Accessible toilets	*		Accessible lavs	*		
Men's Room					Cond.	*
Number of toilets / urinals	*		Number of lavs	*		
Accessible toilets / urinals	*		Accessible lavs	*		

Comments: The building has dedicated restrooms for girls only. An attempt has been made to address accessibility in the form of a 5'-0" wide stall, however the restroom has numerous deficiencies including, no grab bars, incorrect fixture height, location and sizes and is not considered accessible.

BELOW GRADE AND RAISED FOUNDATION SYSTEMS

Foundation	Yes							
Foundation system	Shallow - F	Shallow - Pier tubes / footings						
Assembly type	Monolythic	- Poured						
Slab	None		Slab thick	iness	*			
Primary structural members	Concrete -	Pier tubes ,	/ footings			Cond. <i>Fair</i>		
	Depth	*	Width	24" Dia	Spacing	7' to 8' 0.C.'		
	Direction	Paralell to	o longest dire	ction				
Secondary structural members	Piers - CM	U				Cond. Poor		
	Depth	8"	Width	16"	Spacing	7' to 8' 0.C.'		
	Direction	Perpendi	cular to longe	st direction				
Space(s) below floor slab	🗌 None / N	٨٨	Crawls	space	Cellar	/ Basement		
Commente: Duilding site on a sembi	inction of upre	inforced C	MIL piero whi	ab reation nou	rad concrata	factings Foundation		

Comments: Building sits on a combination of unreinforced CMU piers which rest on poured concrete footings. Foundation depth was not verified.

STRUCTURAL SYSTEMS							
Floor	Yes						
Floor system	Composite	assembly					
Assembly type	Structural -	1 way					
Slab / structural sheathing	Wood - Pla	nk	Slab / shea	thing thkns	3/4"		
Primary structural members	Beam	Material	Wood			Cond.	Poor
	Depth	6"	Width	6″	Spacing	7' to 8' C	.C.'
	Direction	Paralell to I	ongest direct	ion			
Secondary structural members	Joist	Material	Wood			Cond.	Poor
	Depth	5 1/2"	Width	1 3/4"	Spacing	16"O.C.	
	Direction	Perpendicu	lar to longest	direction			
Space(s) below floor slab	None (s	lab on grd)	🛛 Crawlsp	ace	Cellar	/ Basemer	nt
Wall structure (Exterior)	Yes						
Wall system	Composite	assembly					
Assembly type	Load bearir	ng		Stick frame	d		
Structural sheathing or system	Wood - Pla	nk	Thickness		5/8"		
Primary structural members	Studs	Material	Wood			Cond.	Fair
	Depth	3 1/2"	Width	1 1/2"	Spacing	16+ O.C	
Secondary structural members	None	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Columns	None						
Perimeter columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Interior columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Cross-bracing	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Shear wall	N/A	Material	*			Cond.	*
Roof / Floor above	Yes						
System and system type	Roof	Composite	assembly				
Assembly type	Structural -	1 way					
Slab / structural sheathing	Wood - Pla	nk	Slab / shea	thing thkns	3/4"		
Primary structural members	Joists	Material	Wood			Cond.	Fair
	Depth	5 1/2"	Width	1 1/2"	Spacing	18" O.C.	
	Direction	*					
	Height to ur	nderside of lo	west structur	al member	*		
Secondary structural members	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
	Direction	*					
	Height to ur	nderside of lo	west structur	al member	*		

Comments: The exterior wall finish is fastened directly to the wall studs, there is no structural sheathing present. In addition, the finish flooring is nailed to the floor joists, there is no structural sheathing present. Due to lack of proper rafter ties the north wall is 3.7 degrees out of plumb, leaning towards the exterior. Floor sink about .5 degrees at the east side with the floor exhibiting a noticible bounce when challenged.

ELECTRICAL SERVICE			
Electrical service present	Yes		Cond. Fair
Service feed type	Underground	Service MPOE	Exterior wall - North
Service amperage	Unknown	Service voltage	120/240
Service phase	Single phase		
Number of conduits	1	Conduit size	2"
Incoming feeder size	Unknown	Feeder material	Unknown
CT Cabinet / location	None	*	
Meter	Yes		Cond. *
Meter type	*	Meter number	*
Dedicated tenant meter	*	Location	Different building
Transformer	None	Mounting Type	*
Location	*	Capacity in KVA	*
Manufacturer	*	Model number	*
Power shut down method	*	Amperage	*
Utility company name	National Grid		
Comments: *			

POWER PANEL				
Panel designation (Name)	None		Cond. Fair	
Location	Project space	Mounting type	Surface mounted	
Manufacturer	Wadsworth	Number of breakers	8	
Amperage	100	Panel voltage	120/240	

Comments: Panel is fed from a 100 AMP panel located in the Main Building via a 2" conduit. Panel is antiquated and utilizes screw in type fuses Load center does not have a suitable cover and can be accessed easily,protection from accidental electorcution is inadequate.

BACK UP / EMERGENCY POWER							
Generator	None			Cond.	*		
Generator used for	*						
Manufacturer	*	Model number	*				
KW (Capacity)	*	Fuel type	*				
Comments:							

TELEPHONE SERVICE					
Telephone service present	None			Cond.	*
Service feed type	*	Service MPOE	*		
Conduit size	*				
Demarc	*				
Dedicated tenant demark	*	Location	*		
Utility company name	*				
Comments:					

SECURITY SYSTEM					
Security system present	None		C	ond.	*
System type	*				
Manufacturer	*	Model number	*		
Comments: *					

GENERAL HVAC INFORMATION							
HVAC system present	None				Cond.	*	
System(s) type(s) present	🗌 RTU's	🗌 VAV	🗌 Split	Elect	Solid fuel/ wo	od burning	
	Chilled	Chilled / Condenser water - *					
Type of conditioning available	*						
Number of units serving area	*	Total HVA	C tonnage	N/A			
Exhaust systems	Yes, in bui	lding and in p	roject space		Cond.	Fair	
System type (Non-toilet room)	🗌 Gen	🗌 Ktchn	🛛 Rstrm	Smoke			
Comments:							

HVAC UNIT						
Heating / Cooling Air handler	None				Cond.	*
System type	*					
Manufacturer	*		Model number	*		
Operational during assessment	*					
Age of unit	*		Serial No	*		
Unit heat source	*		BTUH output	*		
Cooling Tonnage	*		CFM output	*		
Amperage	*		Voltage	*		
Unit location	*					
Temperature control system	*		Location of device	*		
Condenser unit	None				Cond.	*
Manufacturer	*		Model number	*		
Age of unit	*		Serial No	*		
Amperage	*		Voltage	*		
Unit location	*					
Chilled / Condenser water	None					
Water temperatures	Hot	*	Cold *			
Pipe sizes	Hot	*	Cold *			
Average gallons per minute	*		Available *			
VAV	None					
Incoming air temperature	*		CFM provided	*		
Air distribution system	None				Cond.	*
Supply air distributed via	*	Retur	n air collected via *			
Comments:						

DOMESTIC WATER SERVICE					
Water service present	Yes, in building and in p	roject space		Cond.	Fair
Service feed type	Underground	Service MPOE	Exterior wa	all - North	
Largest pipe size	3/4"	Pipe material	Copper		
Private or municipal service	Municipal				
Meter	None			Cond.	*
Meter type	*	Meter number	*		
Dedicated tenant meter	*	Location	*		
Backflow preventer	None				
Filtration system	None				
Water heater	None			Cond.	*
Water heater type	*				
Dedicated tenant hot water	*				
Manufacturer	*	Model Number	*		
	Year Mfgr *	Capacity	*		
	Wattage *	Voltage	*		
Utility company name	Salem Water and Sewer	Dept.			
Comments:					

SANITARY SERVICE			
Sanitary service present	Yes		Cond. Poor
Service feed type	Underground	Service MPOE	Exterior wall - South
Largest pipe size	4"	Pipe material	PCV
Private or municipal service	Municipal		
Vent size	4"	Location	At toliets in restroom
Grease trap	None	Capacity in GAL	*
Trap type	*	Location	*
Manufacturer	*	Model number	*
Lift station	None	Capacity in GAL	*
Manufacturer	*	Model number	*
Utility company name	Salem Water and S	ewer Dept.	
Comments:			

GAS SERVICE					
Gas present	None			Cond. *	
Service feed type	*	Service MPOE	*		
Largest pipe size	*	Pipe material	*		
Type of gas	*				
Meter	*			Cond. *	
Meter type	*	Meter number	*		
Dedicated tenant meter	*	Location	*		
Utility company name	*				
Comments:					

FIRE SPRINKLER SERVICE					
Sprinkler service present	None			Cond.	*
Service feed type	*	Service MPOE	*		
Largest pipe size	*	Pipe material	*		
Lowest pipe height	*	System type	*		
Riser location	*	F.D. Connection	*		
Backflow preventer	*				
Air compressor	*			Cond.	*
Manufacturer	*	Model number	*		
Comments:					

FIRE ALARM AND DETECTION SYSTE	EMS				
Fire alarm present	None			Cond.	*
System type	*	Service MPOE	*		
Panel location	*				
Manufacturer	*	Model number	*		
Annunciator panel	None			Cond.	*
Annunciator location	*				
Manufacturer	*	Model number	*		
Notification devices	None				
Pull stations	*				
Horn / strobes	*				
Smokes / Heat detectors present	Yes				
Fire extinguishers present	Yes				

PHOTOS



View from Memorial Drive - East facing elevation



South facing elevation



West facing elevation



North facing entrance



Activity area looking east



Storage area looking west



Restroom stalls



Non-compliant accessible toilet stall



Water heater location (Removed)





BUILDING EVALUATION REPORT

REPORT DATE 12/27/2016

BUILDING LOCATION

Lower Restroom Building (Building #5) 85 Memorial Drive Salem, MA 01970

PREPARED FOR

Tighe & Bond 53 South Hampton Road Westfield, MA 01085

PREPARED BY

Millennium Design Associates, Inc 1599 Washington Street Suite 1A Braintree, MA 02182 781.843.9400

www.MDAarchitecture.com

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GENERAL BUILDING SUMMARY

Comments: The subject building is a single story CMU building 29 feet long by 16 feet wide. Roof construction is comprised of wood trusses and plywood.

The structure, finish and utilities are provided to an extent than would be adequate for seasonal use. Although the building is not insulated, its age and condition lend itself well to adaptive reuse and the building could be easily upgraded for year round use if necessary.

The construction materials and methods suggest that this structure was built in the later quarter of the 20th century.

Overall condition of the structure is good.

BUILDING EXTERIOR

Comments: Exterior is exposed CMU in good condition. Joints are sound and the block has been painted to preserve te masonry. Above the CMU, at the gable ends, has been sheathed in a paneled siding resembling that of the other buildings except it is oriented vertically.

Rot is evident at the fascias along the north and south sides of the building. Repairs would be modest and easily completed.

The roof is well past its reasonable life expectancy and has badly delaminated. In addition its proximaty to a number of overhanging trees has resited in a deposit of organinc material on the roof which has become a food source for moss.

BUILDING INTERIOR

Comments: The interior is divided into four spaces, a main activity area, a small storage closet used for athletic equipment and two single user restrooms. The CMU also acts as the interior wall finish. Simelerly the concrete slab acts as the finish floor. An acoustic ceiling grid is in place,however all the tiles have been removed.

TENANT MEP F/P SYSTEMS

Comments: There are two electric wall mounted heating units in the main activity area only, none are present in the other rooms. A ten gallon electric water heater located above the ceiling is used for the restrooms. The restroom exhaust fans are in poor condition and not functioning well.

BUILDING UTILITIES AND SYSTEMS

Comments: Electricity, potable cold water and a sanitary service are present in the building.

ADDITIONAL COMMENTS

Comments:

Building recommendations are based on a visual evaluation of the materials and systems. Note there may be instances where the portions of components and or system may not be visible of able to be verified.

RECOMMENDATIONS		
Architectural		
Building exterior		
Wall cladding	Suitable for reuse	Notes
Fenestration		
Doors	Modification required	Notes
Storefront / Windows	Suitable for reuse	Notes
Roof	Replacement required	Notes
Thermal / insulation	None existing	Notes
Lighting	None existing	Notes
Building interior		
Wall finishes	Suitable for reuse	Notes
Floor finishes	Suitable for reuse	Notes
Ceiling finishes	Modification required	Notes
Lighting	Suitable for reuse	Notes
MEP		
Electrical	Suitable for reuse	Notes
Telephone	None existing	Notes
HVAC	Replacement required	Notes
Water service	Modification required	Notes
Sprinkler	None existing	Notes
Sanitary	Suitable for reuse	Notes
Natural gas	None existing	Notes
Fire alarm	None existing	Notes
Security	None existing	Notes
Comments: <i>Building is recommended fo</i>	r adaptive reuse.	

CONTACT INFORMATION			
Client			
Company name	Tighe & Bond		
Contact name	Tracy Adamski		
Job title	Senior Planner, Associate		
Street address	53 South Hampton Road		
City, State, Zip	Westfield, MA 01085		
Office Phone	413.572.3256	Mobile phone	
Email	TJAdamski@tighebond.com		
Landlord			
Company name	City of Salem		
Contact name			
Job title			
Street address	85 Memorial Drive		
City, State, Zip	Salem, MA 01970		
Office Phone		Mobile phone	978.815.3152
Email			
Building engineer			
Company name	City of Salem - Winter Island R	ecreational Park	
Contact name	David Gilbert		
Job title	Park Manager		
Street address	50 Winter Island Road		
City, State, Zip	Salem, MA 01970		
Office Phone	978.745.9430	Mobile phone	978.815.3152
Email	dgilbert@salem.com		
Real estate broker			
Company name			
Contact name			
Job title			
Street address			
City, State, Zip			
Office Phone		Mobile phone	
Email			
Survey Team			
Company name	MDA		
Contact name	Joseph A DeLuca, RA		
Contact name			
Company name			
Contact name			
Contact name			

OCCUPANCY, USE AND SIZE			
Occupancy status	Vacant		
Tenant aware of displacement	*		
Current use	Recreational		
Previous use	Recreational		
Operational utilities for survey	Yes		
Building / space survey availability	Full (All spaces)		
Space(s) not surveyed	🛛 None or N/A	Floor above	Floor below
	Basement	🗌 Roof	Utility room(s)
	LL Common area	Other *	
Building / space type	Existing		
Building configuration	Stand alone		
Project located on floor(s)	1		
Building / space over all dimensions	L 29'-4" W 22'-0"		
Building / space square footage	644		
Number of floors in building	1	Building Height	12'
Comments: Building is used as the restr	ooms and activity area ad	jacent to the lower playgro	und.

SITE ACCESS							
Primary street / road	None	Material	*			Cond.	*
Street name	*				Туре	*	
Traffic configuration	*				Spd limit	*	
Street / road provides access to	*						
Curb cut	*	Material	*			Cond.	*
Sidewalk	*	Material	*			Cond.	*
Clear accessible path on to site	*	Width	*				
Signaled intersection	*	Distance fr	om site	*			
Comments:							
Secondary street / road	None	Material	*			Cond.	*
Secondary street / road Street name	None *	Material	*		Туре	Cond.	*
Secondary street / road Street name Traffic configuration	None *	Material	*		Type Spd. limit	Cond. *	*
Secondary street / road Street name Traffic configuration Street / road provides access to	None * * * *	Material	*		Type Spd. limit	Cond. * *	*
Secondary street / road Street name Traffic configuration Street / road provides access to Curb cut	None * * * * * *	Material Material	*		Type Spd. limit	Cond. * * Cond.	*
Secondary street / road Street name Traffic configuration Street / road provides access to Curb cut Sidewalk	None * * * * * * * * * *	Material Material Material	* * * *		Type Spd. limit	Cond. * Cond. Cond.	* * * *
Secondary street / road Street name Traffic configuration Street / road provides access to Curb cut Sidewalk Clear accessible path on to site	None * * * * * * * * * * *	Material Material Material Width	* * * * *		Type Spd. limit	Cond. * Cond. Cond.	* * * *
Secondary street / road Street name Traffic configuration Street / road provides access to Curb cut Sidewalk Clear accessible path on to site Signaled intersection	None * * * * * * * * * * * * * * * * * * *	Material Material Material Width Distance fr	* * * * * om site	*	Type Spd. limit	Cond. * Cond. Cond.	*

ON SITE PARKING AND ACCESS						
Parking lot	*	Material	*		Cond.	*
Curbing	*	Material	*		Cond.	*
Striping	*	Material	*		Cond.	*
Accessible pavement markings	*	Material	*		Cond.	*
Accessible signage	*	Туре	*		Cond.	*
Car stops	*	Material	*		Cond.	*
Ponding evident	*	Location	*			
Parking lot lighting	*		Light type	*		
Parking stalls	*	Size	*	Number	*	
Accessible stalls - Car	*	Size	*	Number	*	
Accessible stalls - Van	*	Size	*	Number	*	
Accessible aisle - Car	*	Size	*	Number	*	
Accessible aisle - Van	*	Size	*	Number	*	
Comments:						
Sidewalk	None	Material	*		Cond.	*
Clear accessible path to building	Yes	Width	Level playo	ground		
Stairs	No	Material	*		Cond.	*
Stair location	*					
Riser and tread dimensions	Height	*	Depth	*	Total stair rise	*
Number of risers / treads	Risers	*	Treads	*		
Railings present	*	Material	*		Cond.	*
Railings system type	*		Diameter	*	Railing Height	*
Accessible continuous handrails	*					
12" top extension	*	Tread dep	th + 12" bottoi	m extension	*	
Landing	*	Material	*		Cond.	*
Dimensions	L *	W *	Η *			
Railings present	*	Material	*		Cond.	*
Railings system type	*		Diameter	*	Railing Height	*
Ramp	*	Material	*		Cond.	*
Dimensions	L *	W *	Η *	Total ramp	rise *	
Accessible ramp slope	*					
Railings present	*	Material	*		Cond.	*
Railings system type	*		Diameter	*	Railing Height	*
12" top / bottom extension	*					
Loading area	*	Туре	*			
Receiving door size	W *	H *	Door type	*		
Trash enclosure	*		Material	*		
Number of trash / recycle bins	*		Bin size	*		
Comments:						

EXTERIOR WALL CLADDING	i					
North wall						
Unit masonry	Matl.	CMU	Height	Full	Cond.	Good
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
East wall						
Unit masonry	Matl.	CMU	Height	9'+	Cond.	Good
Siding - Panel	Matl.	Wood	Height	9' - 14'	Cond.	Good
*	Matl.	*	Height	*	Cond.	*
South wall						
Unit masonry	Matl.	CMU	Height	Full	Cond.	Good
*	Matl.	*	Height	*	Cond.	*
*	Matl.	*	Height	*	Cond.	*
West wall						
Unit masonry	Matl.	CMU	Height	Full	Cond.	Good
Siding - Panel	Matl.	Wood	Height	9' - 14'	Cond.	Good
*	Matl.	*	Height	*	Cond.	*

FENESTRATION

North wall					
Door	Matl.	Steel	Sill / Head 0"- 84"	Cond.	Fair
Window, Operable - Noninsul.	Matl.	Steel	Sill / Head 72" / 86"	Cond.	Fair
*	Matl.	*	Sill / Head *	Cond.	*
East wall					
Window, Operable - Noninsul.	Matl.	Steel	Sill / Head 72" / 86"	Cond.	Fair
*	Matl.	*	Sill / Head *	Cond.	*
*	Matl.	*	Sill / Head *	Cond.	*
South wall					
Window, Operable - Noninsul.	Matl.	Steel	Sill / Head 72" / 86"	Cond.	Fair
*	Matl.	*	Sill / Head *	Cond.	*
*	Matl.	*	Sill / Head *	Cond.	*
West wall					
Window, Operable - Noninsul.	Matl.	Wood	Sill / Head 72" / 86"	Cond.	Fair
*	Matl.	*	Sill / Head	Cond.	*
*	Matl.	*	Sill / Head	Cond.	*
Storefront / window frame color	*		Glazing color	*	
Door frame color	*		Glazing color	*	

ROOF SYSTEM						
Roof						
Roof configuration	Pitched	Matl.	Shingles - Asp	halt	Cond.	Poor
Roof edging	Drip edge	Matl.	Aluminum		Cond.	Poor
Drainage	None	Matl.	*		Cond.	*
Emergency / secondary drainage	e N/A	Matl.	*		Cond.	*
Drain terminates at	Grade					
Ponding	N/A	Location	*			
Patching / repairs evident	None	Location	*			
Venting	None	Туре	*			
Roof height						
Low point of Slop	ed roof	9'	High point of	Sloped roof		14'

THERMAL / INSULATION						
Slab	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Floor	*	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Walls	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Material	*		Cond.	*
Ceiling / Roof	None	Туре	*		Cond.	*
Configuration	*		Thickness 1	*	Thickness 2	*
Vapor barrier	*	Туре	*		Cond.	*
Comments: Structure is not insulated	Ι.					

Refer to architectural floor diagram in the appendix for corresponding room designations.

BUILDI	NG INTERIOR				
Room	Floor	Wall	Wall base	Ceiling	Clg height
ACT	Concrete slab	CMU	None	ACT 2 x 4	8'-8 1/2"
Cond.	Good	Good	*	Fair	
Predom	inant lighting type	Fluorescent	Mounting type	Recessed	Cond. <i>Fair</i>
Emerge	ncy lighting type	None	Mounting type	*	Cond. *
Comme	nts:				
STO	Concrete slab	CMU	None	ACT 2 x 4	8'-8 1/2"
Cond.	Good	Good	*	Fair	
Predom	inant lighting type	Fluorescent - Strip	Mounting type	Recessed	Cond. <i>Fair</i>
Emerge	ncy lighting type	None	Mounting type	*	Cond. *
Comme	nts:				
GR	Concrete slab	CMU	None	ACT 2 x 4	8'-8 1/2"
Cond.	Good	Good	*	Fair	
Predom	inant lighting type	Incandescant	Mounting type	Recessed	Cond. Fair
Emerge	ncy lighting type	*	Mounting type	*	Cond. *
reconfig utilizing	ured by rotating them 90 a portion of the space c) degrees and widening t urrently dedicated to the	hem to the necessary 7'- storage closet.	6" dimension. This	would also require
BR	Concrete slab	CMU	None	AC1 2 x 4	8'-8 1/2"
Cond.	Good	Good	*	Fair	
Predom	inant lighting type	Incandescant	Mounting type	Recessed	Cond. Fair
Emerge	ncy lighting type	*	Mounting type	*	Cond. *
Sink and reconfig utilizing	d toilet fixtures are close ured by rotating them 90 a portion of the space cl	r than the allowed 42" re degrees and widening t urrently dedicated to the	quirement for side toilet a hem to the necessary 7'- storage closet.	approaches. Restroc 6" dimension. This v	yune mouncation. oms could be would also require
	*	*	*	*	*
Cond.	*	*	*	*	
Predom	inant lighting type	*	Mounting type	*	Cond. *
Emerge	ncy lighting type	*	Mounting type	*	Cond. *
Comme	nts:				
	*	*	*	*	*
Cond.	*	*	*	*	
Predom	inant lighting type	*	Mounting type	*	Cond. *
Emerge	ncy lighting type	*	Mounting type	*	Cond. *
Comme	nts:				

RESTROOMS						
Separate M / W public restrooms	Yes, in buil	ding and in p	roject space			
Unisex Rest Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	*	Accessible lavs	*		
Women's Room					Cond.	Poor
Number of toilets	1		Number of lavs	1		
Accessible toilets	None		Accessible lavs	None		
Men's Room					Cond.	*
Number of toilets / urinals	1	None	Number of lavs	1		
Accessible toilets / urinals	None	*	Accessible lavs	None		
Separate M / W employee restrooms	No					
Unisex Rest Room					Cond.	*
Number of toilets / urinals	*	*	Number of lavs	*		
Accessible toilets / urinals	*	*	Accessible lavs	*		
Women's Room					Cond.	*
Number of toilets	*		Number of lavs	*		
Accessible toilets	*		Accessible lavs	*		
Men's Room					Cond.	*
Number of toilets / urinals	*		Number of lavs	*		
Accessible toilets / urinals	*		Accessible lavs	*		
Comments: The building has dedicated restrooms for each sex, however the restroom have numerous deficiencies						

including, insufficient dimensional size and clearances, no grab bars, incorrect fixture location and therefore is not considered accessible.

BELOW GRADE AND RAISED FOUNDATION SYSTEMS

Foundation	Yes						
Foundation system	Shallow - S	Spread footin	ng				
Assembly type	Unit masor	nry - CMU					
Slab	Slab on gra	ade	Slab thick	ness	*		
Primary structural members	CMU					Cond.	*
	Depth	48" est	Width	8"	Spacing	Cont.	
	Direction	*					
Secondary structural members	*					Cond.	*
	Depth	*	Width	*	Spacing	*	
	Direction	*					
Space(s) below floor slab	🛛 None / I	NA		space	🗌 Cellar	/ Baseme	nt
Comments: Building appeare to utilize CMU frost wall as its primary foundation. No poured concrete frost walls were visible.							

STRUCTURAL SYSTEMS							
Floor	Yes						
Floor system	Monolythic						
Assembly type	*						
Slab / structural sheathing	Slab on gra	nde	Slab / shea	thing thkns	4" Est.		
Primary structural members	Slab	Material	Concrete			Cond.	Good
	Depth	*	Width	*	Spacing	*	
	Direction	*					
Secondary structural members	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
	Direction	*					
Space(s) below floor slab	🗌 None (s	lab on grd)	Crawlsp	ace	Cellar	/ Basemer	nt
Wall structure (Exterior)	Yes						
Wall system	Composite	assembly					
Assembly type	Load bearii	ng		Masonry - S	Single-wyth	Э	
Structural sheathing or system	CMU		Thickness		5/8"		
Primary structural members	Studs	Material	Concrete			Cond.	Good
	Depth	8"	Width	16"	Spacing	*	
Secondary structural members	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Columns	None						
Perimeter columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Interior columns	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Cross-bracing	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
Shear wall	*	Material	*			Cond.	*
Roof / Floor above	Yes						
System and system type	Roof	Composite	assembly				
Assembly type	Structural -	1 way					
Slab / structural sheathing	Plywood		Slab / shea	thing thkns	3/4"		
Primary structural members	Trusses	Material	Wood			Cond.	Good
	Depth	5 1/2"	Width	1 1/2"	Spacing	24" O.C.	
	Direction	Perpendicu	lar to longes	t direction			
	Height to u	nderside of lo	west structur	al member	9'-2 1/2' a	t exterior v	valls
Secondary structural members	*	Material	*			Cond.	*
	Depth	*	Width	*	Spacing	*	
	Direction	*					
	Height to u	nderside of lo	west structur	al member	*		
Comments:							

ELECTRICAL SERVICE			
Electrical service present	Yes		Cond. Good
Service feed type	Overhead	Service MPOE	Exterior wall - East
Service amperage	90	Service voltage	120/240
Service phase	Single phase		
Number of conduits	1	Conduit size	2"
Incoming feeder size	Unknown	Feeder material	Unknown
CT Cabinet / location	None	*	
Meter	Yes, in building and in p	roject space	Cond. Good
Meter type	Utility	Meter number	ACG0160724258A41
Dedicated tenant meter	Yes	Location	Exterior wall - East
Transformer	No	Mounting Type	*
Location	*	Capacity in KVA	*
Manufacturer	*	Model number	*
Power shut down method	Main breaker in panel	Amperage	90
Utility company name	*		
Comments: Electric service is feed from	the street		

POWER PANEL			
Panel designation (Name)	None		Cond. Good
Location	Project space	Mounting type	Surface mounted
Manufacturer	Challenger	Number of breakers	1 main + 12 (20 brk cap)
Amperage	100 (est rating)	Panel voltage	120/240
Comments:			

BACK UP / EMERGENCY POWER					
Generator	None			Cond.	*
Generator used for	*				
Manufacturer	*	Model number	*		
KW (Capacity)	*	Fuel type	*		
Comments:					

TELEPHONE SERVICE			
Telephone service present	Yes, in building a	nd in project space	Cond. Good
Service feed type	Overhead	Service MPOE	Exterior wall - East
Conduit size	*		
Demarc	Yes		
Dedicated tenant demark	Yes	Location	Project space
Utility company name	*		
Comments:			

SECURITY SYSTEM				
Security system present	None		Cond.	*
System type	*			
Manufacturer	*	Model number	*	
Comments: *				

GENERAL HVAC INFORMATION		
HVAC system present	Yes, in building and in project space	Cond. Poor
System(s) type(s) present	🗌 RTU's 🔲 VAV 🗌 Split 🛛	Elect Solid fuel/ wood burning
	Chilled / Condenser water - *	
Type of conditioning available	Heat only	
Number of units serving area	* Total HVAC tonnage	V/A
Exhaust systems	No	Cond. *
System type (Non-toilet room)	🗌 Gen 🗌 Ktchn 🗌 Rstrm [] Smoke
Comments: Heat is provided via two ele	ectric wall mounted units.	

HVAC UNIT							
Heating / Cooling Air handler	Yes, in building and in project space				Conc	l. <i>Fair</i>	
System type	Electric						
Manufacturer	Nutone		Model nur	mber	9319N		
Operational during assessment	Yes						
Age of unit	*		Serial No		*		
Unit heat source	Electricity		BTUH out	BTUH output			
Cooling Tonnage	*		CFM outp	CFM output			
Amperage	*		Voltage	Voltage		120/240	
Unit location	Wall in ma	in area					
Temperature control system	T-Stat		Location of	Location of device			
Condenser unit	None				Conc	. *	
Manufacturer	*		Model nur	mber	*		
Age of unit	*		Serial No		*		
Amperage	*		Voltage		*		
Unit location	*						
Chilled / Condenser water	None						
Water temperatures	Hot	*	Cold	*			
Pipe sizes	Hot	*	Cold	*			
Average gallons per minute	*		Available	*			
VAV	None						
Incoming air temperature	*		CFM prov	ided	*		
Air distribution system	None				Conc	d. *	
Supply air distributed via * Return air collected via *							
Commenter There are two of these up	vita located at	opposito c	ndo of the com	room Tho	accord one was	not	

Comments: There are two of these units located at opposite ends of the same room. The second one was not operational.
DOMESTIC WATER SERVICE					
Water service present	Yes, in building and in p	roject space	Co	ond.	Fair
Service feed type	Underground	Service MPOE	Exterior wall -	- North	
Largest pipe size	3/4"	Pipe material	Copper		
Private or municipal service	Municipal				
Meter	None		Co	ond.	*
Meter type	*	Meter number	*		
Dedicated tenant meter	*	Location	*		
Backflow preventer	None				
Filtration system	None				
Water heater	None		Co	ond.	*
Water heater type	Tank type				
Dedicated tenant hot water	Yes				
Manufacturer	*	Model Number	*		
	Year Mfgr *	Capacity	10 Gallon		
	Wattage *	Voltage	*		
Utility company name	Salem Water and Sewer	Dept.			

Comments: Unable to reach water heater to verify remaining information. All water piping is exposed and runs along the surace of the CMU to the fixtures they serve.

SANITARY SERVICE								
Sanitary service present	Yes		Cond. Poor					
Service feed type	Underground	Service MPOE	Exterior wall - East					
Largest pipe size	4"	Pipe material	PCV					
Private or municipal service	Municipal							
Vent size	4"	Location	At bathroom					
Grease trap	None	Capacity in GAL	*					
Trap type	*	Location	*					
Manufacturer	*	Model number	*					
Lift station	None	Capacity in GAL	*					
Manufacturer	*	Model number	*					
Utility company name								
Comments: Water service enters through an opening in the slab in the corner of the restroom.								

GAS SERVICE					
Gas present	None			Cond. *	
Service feed type	*	Service MPOE	*		
Largest pipe size	*	Pipe material	*		
Type of gas	*				
Meter	*			Cond. *	
Meter type	*	Meter number	*		
Dedicated tenant meter	*	Location	*		
Utility company name	*				
Comments:					

FIRE SPRINKLER SERVICE					
Sprinkler service present	None			Cond.	*
Service feed type	*	Service MPOE	*		
Largest pipe size	*	Pipe material	*		
Lowest pipe height	*	System type	*		
Riser location	*	F.D. Connection	*		
Backflow preventer	*				
Air compressor	*			Cond.	*
Manufacturer	*	Model number	*		
Comments:					

FIRE ALARM AND DETECTION SYSTEMS									
Fire alarm present	None			Cond.	*				
System type	*	Service MPOE	*						
Panel location	*								
Manufacturer	*	Model number	*						
Annunciator panel	None			Cond.	*				
Annunciator location	*								
Manufacturer	*	Model number	*						
Notification devices	None								
Pull stations	*								
Horn / strobes	*								
Smokes / Heat detectors present	None								
Fire extinguishers present	None								

PHOTOS



East facing elevation



South facing elevation



West facing elevation



North facing elevation



Main Area – Viewed East



Main Area - Viewed West



Restroom



Water Service Entrance



Storage room



FACILITY CONDITION ASSESSMENT



FACILITY CONDITION ASSESSMENT

Pioneer Village 98 West Avenue Salem, Massachusetts 01970

PREPARED BY:

e

EMG 10461 Mill Run Circle, Suite 1100 Owings Mills, Maryland 21117 800.733.0660 www.EMGcorp.com

EMG Project Number: 130200.18R000-009.322

EMG CONTACT:

Bill Champion Senior Program Manager 800.733.0660 x6234 bchampion@emgcorp.com

Date of Report: March 26, 2018 On Site Date: March 9, 2018

Prepared for:

City of Salem 93 Washington Street Salem, Massachusetts 01970



DUDE SO

PARENT COMPANY OF SchoolDude | FacilityDude | TheWorxHub

Immediate Repairs Report Pioneer Village 3/26/2018



Location NameReport SectionID			Cost Description		Unit	Unit Cost *	Subtotal	Deficiency Repair Estimate *
Pioneer Village	6.4	878208	Exterior Wall, Wood Clapboard Siding, 1-2 Stories, Repair	500	SF	\$26.82	\$13,411	\$13,411
Pioneer Village	7.6	878207	Fire Extinguisher, ABC Fire Extinguisher, Provide	8	EA	\$356.54	\$2,852	\$2,852
Pioneer Village	7.6	878206	Fire Alarm System, School, Install	1800	SF	\$3.13	\$5,637	\$5,637
Immediate Rep	\$21,901							
* Location Factor in	ncluded in totals	S.						

Replacement Reserves Report

Pioneer Village

3/26/2018

Location Nam	Repoi Sectio	rt on ID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	/Unit	Unit Cost * Subtota	ıl 2018	2019	2020	2021	2022	2023	2024	2025	2026	2027 2028	8 2029	2030	2031	2032	2033	2034	2035	2036	D 2037	eficiency Repair Estimate
Pioneer Village	6.4	4 8782	08 Exterior Wall, Wood Clapboard Siding, 1-2 Stories, Repair	r O	0	0	500	SF	\$26.82 \$13,41	1 \$13,411																			\$13,411
Pioneer Village	e 6.4	4 8782	09 Exterior Wall, Wood Clapboard Siding, 1-2 Stories, Replace	ce 20	10	10	500	SF	\$27.03 \$13,513	3									\$13,513										\$13,513
Pioneer Village	e 6.4	4 8782	12 Roof, Wood Shake/Shingle, Replace	25	15	10	500	SF	\$5.59 \$2,797	7									\$2,797										\$2,797
Pioneer Village	6.4	4 8782	13 Roof, Wood Shake/Shingle, Replace	25	10	15	500	SF	\$5.59 \$2,797	7														\$2,797					\$2,797
Pioneer Village	6.4	4 8782	10 Roof, Wood Shake/Shingle, Replace	25	9	16	1200	SF	\$5.59 \$6,713	3															\$6,713				\$6,713
Pioneer Village	9 7.6	6 8782	07 Fire Extinguisher, ABC Fire Extinguisher, Provide	15	15	0	8	EA	\$356.54 \$2,852	2 \$2,852														\$2,852					\$5,705
Pioneer Village	9 7.6	6 8782	06 Fire Alarm System, School, Install	20	20	0	1800	SF	\$3.13 \$5,637	7 \$5,637																			\$5,637
Totals, Unesc	alated									\$21,901	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$16,310	\$0	\$0	\$0	\$0	\$5,649	\$6,713	\$0	\$0	\$0	\$50,573
Totals, Escala	ted (3.	0% infla	ion, compounded annually)							\$21,901	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$21,919	\$0	\$0	\$0	\$0	\$8,801	\$10,772	\$0	\$0	\$0	\$63,393



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1. Executive Summary

1.1. Property Information and General Physical Condition

The property information is summarized in the table below. More detailed descriptions may be found in the various sections of the report and in the Appendices.

Property Information							
Address:	98 West Avenue, Salem, Essex County, Massachusetts 01970						
Year Constructed/Renovated:	Constructed - 1930						
	Renovated - 2008						
Current Occupants:	Pioneer Village						
Percent Utilization:	100%						
	City of Salem, Michael Lutrzykowski						
Management Point of Contact:	978.619.5648 phone						
	mlutrzykowski@salem.com						
Property Type:	Living History Museum						
Site Area:	3.0 acres						
Building Area:	1,800 SF						
Number of Buildings:	8						
Number of Stories:	1						
Parking Type and Number of Spaces:	Parking lot located at Forest River Park						
Building Construction:	Conventional wood timber construction						
Roof Construction:	Gabled roofs with wood deck and thatch or wood shake shingles						
Exterior Finishes:	Wood planks						
Heating, Ventilation & Air Conditioning:	There are no central heating or cooling systems						
Fire and Life/Safety:	None						
Dates of Visit:	March 9, 2018						
On-Site Point of Contact (POC):	No escort provided						
Assessment and Report Prepared by:	Mary Endsley						
	Daniel White						
	Technical Report Reviewer for						
Reviewed by:	Bill Champion						
	Senior Program Manager						
	bchampion@emgcorp.com						
	800.733.0660 x6234						

Systemic Condition Summary									
Site	Good	HVAC							
Structure	Good	Plumbing							





Systemic Condition Summary								
Roof	Fair	Electrical	Good					
Vertical Envelope	Fair	Elevators						
Interiors	Fair	Fire						

The following bullet points highlight the most significant short term and modernization recommendations:

- Roof repairs
- Siding repair
- Installation of fire safety equipment

Generally, the property appears to have been constructed within industry standards in force at the time of construction. The property appears to have been well maintained in recent years and is in good overall condition.

According to property management personnel, the property has had an active capital improvement expenditure program over the past three years, primarily consisting of landscaping, siding and roof finish replacement. Supporting documentation was not provided in support of these claims but some of the work is evident.



1.2. Facility Condition Index (FCI)

FCI Analysis: Pioneer Village

Replacement Value: \$ 235,890; Inflation rate: 3.0%



One of the major goals of the FCA is to calculate the FCI, which gives an indication of a building's overall condition. Two FCI ratios are calculated and presented, the Current Year and Ten-Year. The Current Year FCI is the ratio of Immediate Repair Costs to the building's Current Replacement Value. Similarly, the Ten-Year FCI is the ratio of anticipated Capital Reserve Needs over the next ten years to the Current Replacement Value.

FCI Condition Rating	Definition	Value
Good	In new or well-maintained condition, with no visual evidence of wear, soiling or other deficiencies.	0 to .05
Fair	Subjected to wear and soiling but is still in a serviceable and functioning condition.	> than .05 to .10
Poor	Subjected to hard or long-term wear. Nearing the end of its useful or serviceable life.	> than .10 to .60
Very Poor	Has reached the end of its useful or serviceable life. Renewal is now necessary.	> than .60

The graphs above and tables below represent summary-level findings for the FCA. The deficiencies identified in this assessment can be combined with potential new construction requirements to develop an overall strategy that can serve as the basis for a portfolio-wide capital improvement funding strategy. Key findings from the assessment include:

Key Finding	Ме	tric
Current Year Facility Condition Index (FCI) FCI = (IR)/(CRV)	.09	Fair
10-Year Facility Condition Index (FCI) FCI = (RR)/(CRV)	.09	Fair





Key Finding	Metric			
Current Replacement Value (CRV)	1,800 SF * 131.05 / SF = \$235,890			
Year 1 (Current Year) - Immediate Repairs (IR)	\$21,901			
Years 1-10 – Replacement Reserves (RR)	\$21,901			

The major issues contributing to the Immediate Repair Costs and the Current Year FCI ratio are summarized below:

- Roof repairs
- Siding repair
- Installation of fire safety equipment

Further detail on the specific costs that make up the Immediate Repair Costs can be found in the cost tables at the beginning of this report.

1.3. Special Issues and Follow-Up Recommendations

As part of the FCA, a limited assessment of accessible areas of the building(s) was performed to determine the presence of fungal growth, conditions conducive to fungal growth, and/or evidence of moisture. Property personnel were interviewed concerning any known or suspected fungal growth, elevated relative humidity, water intrusion, or mildew-like odors. Sampling is not a part of this assessment.

There are no visual indications of the presence of fungal growth, conditions conducive to fungal growth, or evidence of moisture in representative readily accessible areas of the property.

1.4. Opinions of Probable Cost

Cost estimates are attached at the front of this report (following the cover page).

These estimates are based on Invoice or Bid Document/s provided either by the Owner/facility and construction costs developed by construction resources such as *R.S. Means* and *Marshall & Swift*, EMG's experience with past costs for similar properties, city cost indexes, and assumptions regarding future economic conditions.

Opinions of probable costs should only be construed as preliminary, order of magnitude budgets. Actual costs most probably will vary from the consultant's opinions of probable costs depending on such matters as type and design of suggested remedy, quality of materials and installation, manufacturer and type of equipment or system selected, field conditions, whether a physical deficiency is repaired or replaced in whole, phasing of the work (if applicable), quality of contractor, quality of project management exercised, market conditions, and whether competitive pricing is solicited, etc. ASTM E2018-08 recognizes that certain opinions of probable costs cannot be developed within the scope of this guide without further study. Opinions of probable cost for further study should be included in the FCA.

1.4.1. Methodology

Based upon site observations, research, and judgment, along with referencing Expected Useful Life (EUL) tables from various industry sources, EMG opines as to when a system or component will most probably necessitate replacement. Accurate historical replacement records, if provided, are typically the best source of information. Exposure to the elements, initial quality and installation, extent of use, the quality and amount of preventive maintenance exercised, etc., are all factors that impact the effective age of a system or component. As a result, a system or component may have an effective age that is greater or less than its actual chronological age. The Remaining Useful Life (RUL) of a component or system equals the EUL less its effective age. Projections of Remaining Useful Life (RUL) are based on continued use of the Property similar to the reported past use. Significant changes in occupants and/or usage may affect the service life of some systems or components.

Where quantities could not be derived from an actual take-off, lump sum costs or allowances are used. Estimated costs are based on professional judgment and the probable or actual extent of the observed defect, inclusive of the cost to design, procure, construct and manage the corrections.





1.4.2. Immediate Repairs

Immediate repairs are opinions of probable costs that require immediate action as a result of: (1) material existing or potential unsafe conditions, (2) material building or fire code violations, or (3) conditions that, if not addressed, have the potential to result in, or contribute to, critical element or system failure within one year or will most probably result in a significant escalation of its remedial cost.

1.4.3. Replacement Reserves

Replacement Reserves are for recurring probable expenditures, which are not classified as operation or maintenance expenses. The replacement reserves should be budgeted for in advance on an annual basis. Replacement Reserves are reasonably predictable both in terms of frequency and cost. However, Replacement Reserves may also include components or systems that have an indeterminable life but, nonetheless, have a potential for failure within an estimated time period.

Replacement Reserves exclude systems or components that are estimated to expire after the reserve term and are not considered material to the structural and mechanical integrity of the subject property. Furthermore, systems and components that are not deemed to have a material effect on the use of the Property are also excluded. Costs that are caused by acts of God, accidents, or other occurrences that are typically covered by insurance, rather than reserved for, are also excluded.

Replacement costs are solicited from ownership/property management, EMG's discussions with service companies, manufacturers' representatives, and previous experience in preparing such schedules for other similar facilities. Costs for work performed by the ownership's or property management's maintenance staff are also considered.

EMG's reserve methodology involves identification and quantification of those systems or components requiring capital reserve funds within the assessment period. The assessment period is defined as the effective age plus the reserve term. Additional information concerning system's or component's respective replacement costs (in today's dollars), typical expected useful lives, and remaining useful lives were estimated so that a funding schedule could be prepared. The Replacement Reserves Schedule presupposes that all required remedial work has been performed or that monies for remediation have been budgeted for items defined in the Immediate Repair Cost Estimate.



2. Purpose and Scope

2.1. Purpose

EMG was retained by the client to render an opinion as to the Property's current general physical condition on the day of the site visit.

Based on the observations, interviews and document review outlined below, this report identifies significant deferred maintenance issues, existing deficiencies, and material code violations of record at municipal offices, which affect the Property's use. Opinions are rendered as to its structural integrity, building system condition and the Property's overall condition. The report also notes building systems or components that have realized or exceeded their typical expected useful lives.

CONDITIONS:

The physical condition of building systems and related components are typically defined as being in one of five conditions: Excellent, Good, Fair, Poor, Failed or a combination thereof. For the purposes of this report, the following definitions are used:

Excellent	=	New or very close to new; component or system typically has been installed within the past year, sound and performing its function. Eventual repair or replacement will be required when the component or system either reaches the end of its useful life or fails in service.				
Good	=	Satisfactory as-is. Component or system is sound and performing its function, typically within the first third of ts lifecycle. However, it may show minor signs of normal wear and tear. Repair or replacement will be required when the component or system either reaches the end of its useful life or fails in service.				
Fair	=	Showing signs of wear and use but still satisfactory as-is, typically near the median of its estimated useful life. Component or system is performing adequately at this time but may exhibit some signs of wear, deferred maintenance, or evidence of previous repairs. Repair or replacement will be required due to the component or system's condition and/or its estimated remaining useful life.				
Poor	=	Component or system is significantly aged, flawed, functioning intermittently or unreliably; displays obvious signs of deferred maintenance; shows evidence of previous repair or workmanship not in compliance with commonly accepted standards; has become obsolete; or exhibits an inherent deficiency. The present condition could contribute to or cause the deterioration of contiguous elements or systems. Either full component replacement is needed, or repairs are required to restore to good condition, prevent premature failure, and/or prolong useful life.				
Failed	=	Component or system has ceased functioning or performing as intended. Replacement, repair, or other significant corrective action is recommended or required.				
Not Applicable	=	Assigning a condition does not apply or make logical sense, most commonly due to the item in question not being present.				

FORMAT OF THE BODY OF THE REPORT:

Throughout sections 5 through 9 of this report, each report section will typically contain three subsections organized in the following sequence:

- A descriptive table (and/or narrative), which identifies the components assessed, their condition, and other key data points.
- A simple bulleted list of Anticipated Lifecycle Replacements, which lists components and assets typically in Excellent, Good, or Fair condition at the time of the assessment but that will require replacement, or some other attention once aged past their estimated useful life. These listed components are typically included in the associated inventory database with costs identified and budgeted beyond the first several years.
- A bulleted cluster of Actions/Comments, which include more detailed narratives describing deficiencies, recommended repairs, and short-term replacements. The assets and components associated with these bullets are/were typically problematic and in Poor or Failed condition at the time of the assessment, with corresponding costs included within the first few years.





PLAN TYPES:

Each line item in the cost database is assigned a Plan Type, which is the primary reason or rationale for the recommended replacement, repair, or other corrective action. This is the "why" part of the equation. A cost or line item may commonly have more than one applicable Plan Type; however, only one Plan Type will be assigned based on the "best" fit, typically the one with the greatest significance. The following Plan Types are listed in general weighted order of importance:

Safety	=	An observed or reported unsafe condition that if left unaddressed could result in an injury; a system or component that presents a potential liability risk.
Performance/Integrity	=	Component or system has failed, is almost failing, performs unreliably, does not perform as intended, and/or poses a risk to overall system stability.
Accessibility	=	Does not meet ADA, UFAS, and/or other handicap accessibility requirements.
Environmental	=	Improvements to air or water quality, including removal of hazardous materials from the building or site.
Modernization/Adaptation	=	Conditions, systems, or spaces that need to be upgraded in appearance or function to meet current standards, facility usage, or client/occupant needs.
Lifecycle/Renewal	=	Any component or system in which future repair or replacement is anticipated beyond the next several years and/or is of minimal substantial early-term consequence.

2.2. Scope

The standard scope of the Facility Condition Assessment includes the following:

- Visit the Property to evaluate the general condition of the building and site improvements, review available construction documents in
 order to familiarize ourselves with, and be able to comment on, the in-place construction systems, life safety, mechanical, electrical,
 and plumbing systems, and the general built environment.
- Identify those components that are exhibiting deferred maintenance issues and provide cost estimates for Immediate Costs and Replacement Reserves based on observed conditions, maintenance history and industry standard useful life estimates. This will include the review of documented capital improvements completed within the last five-year period and work currently contracted for, if applicable.
- Provide a full description of the Property with descriptions of in-place systems and commentary on observed conditions.
- Provide a general statement of the subject Property's compliance to Title III of the Americans with Disabilities Act. This will not constitute
 a full ADA survey, but will help identify exposure to issues and the need for further review.
- Perform a limited assessment of accessible areas of the building(s) for the presence of fungal growth, conditions conducive to fungal growth, and/or evidence of moisture. EMG will also interview Project personnel regarding the presence of any known or suspected fungal growth, elevated relative humidity, water intrusion, or mildew-like odors. Potentially affected areas will be photographed. Sampling will not be considered in routine assessments.
- List the current utility service providers.
- Review maintenance records and procedures with the in-place maintenance personnel.
- Observe a representative sample of the interior spaces/units, including vacant spaces/units, in order to gain a clear understanding of the property's overall condition. Other areas to be observed include the exterior of the property, the roofs, interior common areas, and the significant mechanical, electrical and elevator equipment rooms.

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- Provide recommendations for additional studies, if required, with related budgetary information.
- Provide an Executive Summary at the beginning of this report.
- Prepare a mechanical equipment inventory list.



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2.3. Personnel Interviewed

The management and maintenance staff were interviewed for specific information relating to the physical property, available maintenance procedures, historical performance of key building systems and components, available drawings and other documentation. The following personnel from the facility and government agencies were interviewed in the process of conducting the FCA:

Name and Title	Organization	Phone Number	
Ray Jodoin General Foreman	City of Salem	978.423.1811	
Michael Lutrzykowski Public Property Assistant	City of Salem	978.619.5648	

There was no escort provided for this facility.

2.4. Documentation Reviewed

Prior to the FCA, relevant documentation was requested that could aid in the knowledge of the subject property's physical improvements, extent and type of use, and/or assist in identifying material discrepancies between reported information and observed conditions. The review of submitted documents does not include comment on the accuracy of such documents or their preparation, methodology, or protocol. The Documentation Request Form is provided in Appendix E.

2.5. Pre-Survey Questionnaire

A Pre-Survey Questionnaire was sent to the POC prior to the site visit. The questionnaire is included in Appendix E. Information obtained from the questionnaire has been used in preparation of this report.

2.6. Weather Conditions

March 9, 2018: Clear, with temperatures in the 30s (°F) and light winds. There were approximately four inches of snow on the ground at the time of the site visit.



3. Accessibility and Property Research

3.1. ADA Accessibility

Generally, Title III of the Americans with Disabilities Act (ADA) prohibits discrimination by entities to access and use of "areas of public accommodations" and "commercial facilities" on the basis of disability. Regardless of its age, these areas and facilities must be maintained and operated to comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG).

Buildings completed and occupied after January 26, 1992 are required to comply fully with the ADAAG. Existing facilities constructed prior to this date are held to the lesser standard of compliance to the extent allowed by structural feasibility and the financial resources available. As an alternative, a reasonable accommodation pertaining to the deficiency must be made.

During the FCA, a limited visual observation for ADA accessibility compliance was conducted. The scope of the visual observation was limited to those areas set forth in *EMG's Abbreviated Accessibility Checklist* provided in Appendix D of this report. It is understood by the Client that the limited observations described herein does not comprise a full ADA Compliance Survey, and that such a survey is beyond the scope of EMG's undertaking. Only a representative sample of areas was observed and, other than as shown on the Abbreviated Accessibility Checklist, actual measurements were not taken to verify compliance.

The facility generally appears to be accessible as stated within the defined priorities of Title III of the Americans with Disabilities Act.

3.2. Municipal Information, Flood Zone and Seismic Zone

Not applicable for this program.





4. Existing Building Assessment

4.1. Unit or Space Types

All 1,800 square feet of buildings are occupied by a single occupant, the Pioneer Village Living Museum. The project is a replica of a colonial village and is a combination of thatched cottages, workshops, gardens and a large house used for the former governor. There are no utilities, administrative or mechanical spaces.

4.2. Inaccessible Areas or Key Spaces Not Observed

A representative sample of the interior spaces were observed in order to gain a clear understanding of the property's overall condition. Other areas accessed included the site within the property boundaries, exterior of the property and the roof. All areas of the property were available for observation during the site visit.

A "down unit" or area is a term used to describe a unit or space that cannot be occupied due to poor conditions such as fire damage, water damage, missing equipment, damaged floor, wall or ceiling surfaces, or other significant deficiencies. There are no down units or areas.



5. Site Improvements

5.1. Utilities

The following table identifies the utility suppliers and the condition and adequacy of the services.

Site Utilities						
Utility	Supplier	Condition and Adequacy				
Sanitary sewer	None					
Storm sewer	City of Salem	Good				
Domestic water	City of Salem	Good				
Electric service	National Grid	Good				
Natural gas service	None					

Actions/Comments:

According to the POC, the utilities provided are adequate for the property. There are no unique, onsite utility systems such as
emergency electrical generators, septic systems, water or waste water treatment plants, or propane gas tanks.

5.2. Parking, Paving, and Sidewalks

Not applicable. There is no parking, paving or sidewalks.

5.3. Drainage Systems and Erosion Control

Drainage System and Erosion Control							
System	Exists at Site	Condition					
Surface Flow	\boxtimes	Good					
Inlets	\boxtimes	Good					
Swales							
Detention pond							
Lagoons							
Ponds							
Underground Piping							
Pits							
Municipal System	\boxtimes	Good					
Dry Well							

Anticipated Lifecycle Replacements:

No components of significance





Actions/Comments:

There is no evidence of storm water runoff from adjacent properties. The storm water system appears to provide adequate runoff capacity. There is no evidence of major ponding or erosion.

5.4. Topography and Landscaping

Item	Description										
Site Topography	Slopes ge property l	ently down ine.	from the so	outh side	e of	the property	/ to t	he north sid	de of the		
Landscaping	Trees	Grass	Flower Beds	Planters		rs Drought Plants		Drought Tolerant Plants		ecorative Stone	None
	\boxtimes	\boxtimes	\boxtimes								
Landscaping Condition	Fair										
Irrigation	Automatic Underground		Drip		Hand Watering		ng	None			
							\boxtimes				
Irrigation Condition					-						

Retaining Walls						
Type Location Condition						
Seawall Shoreline Good						

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

The topography and adjacent uses do not appear to present conditions detrimental to the property. There are no significant areas of erosion.

5.5. General Site Improvements

Property Signage					
Property Signage	Fence mounted				
Street Address Displayed?	No				



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Site and Building Lighting								
	None	Pole Mounted		Bollard Lights	Ground Mounted		Parking Lot Pole Type	
Site Lighting	\square							
	None	3	Wall Mounted			Recessed Soffit		
Building Lighting								
	'' 							

Site Fencing							
Type Location Condition							
Temporary construction fence	Property perimeter	Fair					
Wood garden fence Cottage Garden Fair							

Refuse Disposal						
Refuse Disposal	Means of disposal not apparent					
Dumpster Locations	Mounting Enclosure Contracted? Condition					
None	None	None				

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

- No significant actions are identified at the present time. On-going periodic maintenance is highly recommended.
- There is a new pedestrian bridge connecting the Forest River Park parking lot to the village.
- The village structures include a fire pit, cottage garden and colonial pillory stocks.
- The cottage garden is surrounded by a rustic style wood fence.



6. Building Architectural and Structural Systems

6.1. Foundations

Building Foundation					
Item Description Condition					
Foundation	Rubble	Fair			
Basement and Crawl Space	None				

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

• The foundation systems are concealed. The floors are dirt or wood plank. There are no significant signs of settlement, deflection, or movement.

6.2. Superstructure

Building Superstructure					
Item	Description	Condition			
Framing / Load-Bearing Walls	Heavy lumber	Fair			
Ground Floor	Raised wood/Dirt	Fair			
Upper Floor Framing					
Upper Floor Decking					
Roof Framing	Heavy lumber beams	Fair			
Roof Decking	Wood plank	Fair			

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

• The superstructure is exposed in some locations, which allows for limited observation. Walls and floors appear to be plumb, level, and stable. There are no significant signs of deflection or movement.

6.3. Roofing

Primary Roof				
Type / Geometry	Gable Roof	Finish	Wood plank/Thatch/Wood Shake	





Primary Roof					
Maintenance	Outside Contractor	Roof Age	9 Years		
Flashing	Built-up base and Edge flashing	Warranties	None		
Parapet Copings	None	Roof Drains	Edge drainage to ground		
Fascia	None	Insulation	None		
Soffits	None	Skylights	No		
Attics	None	Ponding	No		
Ventilation Source-1	None	Leaks Observed	No		
Ventilation Source-2	None	Roof Condition	Fair		

Anticipated Lifecycle Replacements:

- Wood shakes
- Roof deck
- Roof thatch

Actions/Comments:

- The roof finishes vary in age. The roofs are maintained by an outside contractor and due to the nature of the materials, the thatch is replaced in the spring by a group of volunteers.
- According to the POC, there are no active roof leaks. There is no evidence of active roof leaks.
- The field of the roofs have isolated areas of missing thatch, damaged decking and weathered wood shakes. Portions of the roof finishes require replacement. The damaged portions of the decking or roofing material should be must be repaired.

6.4. Exterior Walls

Building Exterior Walls					
Туре	Location	Condition			
Primary Finish	Wood siding	Fair			
Secondary Finish	None				
Accented with	None				
Soffits	Not Applicable				

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Anticipated Lifecycle Replacements:

- Wood siding
- Wood trim (included with siding)



Actions/Comments:

 No significant actions are identified at the present time. On-going periodic maintenance, including patching repairs and graffiti removal is highly recommended. Future lifecycle replacements of the components listed above will be required.

6.5. Exterior and Interior Stairs

Not applicable. There are no exterior or interior stairs.

6.6. Exterior Windows and Doors

Building Windows						
Window Framing	Glazing	Location	Window Screen	Condition		
Wood framed with shutters	None	All openings		Fair		
Wood framed with shutters	Single pane grilled glass	Governor's house		Fair		

Building Doors					
Main Entrance Doors	Door Type	Condition			
	Wood plank	Fair			
Secondary Entrance Doors	Wood barn	Fair			
Service Doors	None				
Overhead Doors	None				

Anticipated Lifecycle Replacements:

Exterior wood doors

Actions/Comments:

• No significant actions are identified at the present time. On-going periodic maintenance is highly recommended. Future lifecycle replacements of the components listed above will be required.

6.7. Patio, Terrace, and Balcony

Not applicable. There are no patios, terraces, or balconies.



7. Building Mechanical and Plumbing Systems

7.1. Building Heating, Ventilating, and Air Conditioning (HVAC)

Not applicable. There are no heating or cooling systems. The structures are only open to the public from Memorial Day to Labor Day.

7.2. Building Plumbing and Domestic Hot Water

Not applicable. There is no internal plumbing. There are facilities available at the Forest River Park.

7.3. Building Gas Distribution

Not applicable. The property is not supplied with natural gas.

7.4. Building Electrical

Building Electrical Systems						
Electrical Lines	Underground	Underground Transformer Pole-				
Main Service Size	100 Amps	Volts	120/208 Volt, three-phase			
Meter & Panel Location	Barn building Branch Wiring		Copper			
Conduit	Non-metalic sheathed cable	Step-Down Transformers?	No			
Security / Surveillance System?	Yes	Building Intercom System?	No			
Lighting Fixtures		None				
Main Distribution Condition	Good					
Secondary Panel and Transformer Condition						
Lighting Condition						

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

- The onsite electrical systems up to the meter are owned and maintained by the respective utility company.
- The electrical service and capacity appear to be adequate for the property's demands.
- The electric service is from the 2009 renovation and only provides electricity to a single surveillance camera on site. The electrical service is reportedly adequate for the facility's needs.

7.5. Building Elevators and Conveying Systems

Not applicable. There are no elevators or conveying systems.





7.6. Fire Protection and Security Systems

Item	Description							
Туре	None							
	Central Alarm Panel		Battery-Op De	perat etecto	ted Smoke ors		Alarm Horns	
Fire Alarm System	Annunciator Panels		Hard-W De	/ired	Smoke ors		Strobe Light Alarms	
	Pull Stations		Emergency Lig	y Ba ghtir	ittery-Pack		Illuminated EXIT Signs	
Alarm System Condition								
Carialdan Custom	None		Star	ndpi	pes		Backflow Preventer	
Sprinkler System	Hose Cabinets		Fire Pumps			Siamese Connections		
Suppression Condition		•						
Central Alarm Panel	Location of Al	Location of Alarm Panel Installation Date of Alarm Panel						
System	None	None					None	
Fire Extinguishers	Last Service Date Servicing Current?							
	None							
Hydrant Location	Forest River Park							
Siamese Location	None							
Special Systems	Kitchen Suppressic	on Sys	tem		Comp	uter R	com Suppression System	

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

- There are no fire alarm systems at the site and it is not up to current standards. Due to the apparent shortcomings, a full modernization project is recommended. As part of the major recommended short-term renovations, a facility-wide fire alarm modernization is recommended. A budgetary cost is included.
- Fire extinguishers should be provided for each structure. A cost to provide is included.





8. Interior Spaces

8.1. Interior Finishes

The facility is used as a living historical museum. The structures are a reconstructed colonial village and are open to the public from Memorial Day to Labor Day as part of guided tours. Reenactors maintain the gardens and provide instruction on colonial life. The village is supported by volunteers providing labor and funds to maintain the structures and the grounds. The City of Salem is in the process of upgrading all of the site drainage at Forest River Park and Pioneer Village is included in the project upgrade. The village itself is undeveloped. The buildings are connected by dirt paths and there are no utilities inside the structures. There is a fenced herb garden and a fire pit. There is a surveillance camera at the shore side of the site on the barn.

The most significant interior spaces include colonial living and working spaces. Supporting areas include barn and workshop spaces.

The following table generally describes the locations and typical conditions of the interior finishes within the facility:

Typical Floor Finishes						
Floor Finish	Locations General Condi					
Unfinished	Cottages, workshops	Fair				
Hardwood	Governors house	Fair				
	Typical Wall Finishes					
Wall Finish	Locations General Co					
Unfinished	Cottages, workshops, governors house	Fair				
Typical Ceiling Finishes						
Ceiling Finish	Locations General Condi					
Exposed structure	Cottages, workshops, governors house Fair					

Interior Doors					
Item	Туре	Condition			
Interior Doors	Solid core wood	Fair			
Door Framing	Wood				
Fire Doors	No				

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

- The interior areas are mostly unfinished to replicate the type of construction during the colonial era.
- No significant actions are identified at the present time. On-going periodic maintenance is highly recommended.



8.2. Commercial Kitchen & Laundry Equipment

Not applicable. There is no commercial equipment.



9. Other Structures

Not applicable. There are no major accessory structures.



10. Certification

Dude Solutions Inc. retained EMG to perform this Facility Condition Assessment in connection with its continued operation of Pioneer Village, 98 West Avenue, Salem, Massachusetts, the "Property". It is our understanding that the primary interest of the City of Salem is to locate and evaluate materials and building system defects that might significantly affect the value of the property and to determine if the present Property has conditions that will have a significant impact on its continued operations.

The conclusions and recommendations presented in this report are based on the brief review of the plans and records made available to our Project Manager during the site visit, interviews of available property management personnel and maintenance contractors familiar with the Property, appropriate inquiry of municipal authorities, our Project Manager's walk-through observations during the site visit, and our experience with similar properties.

No testing, exploratory probing, dismantling or operating of equipment or in-depth studies were performed unless specifically required under Section <u>2</u> of this report. This assessment did not include engineering calculations to determine the adequacy of the Property's original design or existing systems. Although walk-through observations were performed, not all areas were observed (See Section <u>4.2</u> for areas observed). There may be defects in the Property, which were in areas not observed or readily accessible, may not have been visible, or were not disclosed by management personnel when questioned. The report describes property conditions at the time that the observations and research were conducted.

This report has been prepared on behalf of and exclusively for the use of the City of Salem for the purpose stated within Section 2 of this report. The report, or any excerpt thereof, shall not be used by any party other than the City of Salem or for any other purpose than that specifically stated in our agreement or within Section 2 of this report without the express written consent of EMG.

Any reuse or distribution of this report without such consent shall be at the City of Salem and the recipient's sole risk, without liability to EMG.

Prepared by:

Mary Endsley, Project Manager

Reviewed by:

Daniel White

Daniel White Technical Report Reviewer for Bill Champion, Senior Program Manager <u>bchampion@emgcorp.com</u> 800.733.0660 x6234



11. Appendices

- Appendix A: Photographic Record
- Appendix B: Site Plan
- Appendix C: EMG Accessibility Checklist
- Appendix D: Pre-Survey Questionnaire



Appendix A: Photographic Record



PIONEER VILLAGE

EMG PROJECT NO: 130200.18R000-009.322








PIONEER VILLAGE

EMG PROJECT NO: 130200.18R000-009.322





PIONEER VILLAGE

EMG PROJECT NO: 130200.18R000-009.322









Append	dix	B :
Site	Pla	n





Appendix C: EMG Accessibility Checklist



Date Completed: 9 March 2018

Property Name: Pioneer Village

EMG Project Number: 130200.18R000-009.322

	Building History	Yes	No	Unk	Comments
1	Has an ADA survey previously been completed for this property?		x		
2	Have any ADA improvements been made to the property?		x		
3	Does a Transition Plan / Barrier Removal Plan exist for the property?		x		
4	Has building ownership or management received any ADA related complaints that have not been resolved?		x		
5	Is any litigation pending related to ADA issues?		x		
	Parking	Yes	No	NA	Comments
1	Are there sufficient accessible parking spaces with respect to the total number of reported spaces?			x	Parking for this site is located in Forest River Park
2	Are there sufficient van-accessible parking spaces available?			x	
3	Are accessible spaces marked with the International Symbol of Accessibility? Are there signs reading "Van Accessible" at van spaces?			x	
4	Is there at least one accessible route provided within the boundary of the site from public transportation stops, accessible parking spaces, passenger loading zones, if provided, and public streets and sidewalks?			x	
5	Do curbs on the accessible route have depressed, ramped curb cuts at drives, paths, and drop-offs?			x	
6	If required does signage exist directing you to accessible parking and an accessible building entrance?			x	
	Ramps	Yes	No	NA	Comments
1*	Do all ramps along accessible path of travel appear to meet slope requirements? (1:12 or less)			x	
2	Are ramps that appear longer than 6 ft complete with railings on both sides?			x	

	Ramps (cont.)	Yes	No	NA	Comments
3	Does the width between railings appear at least 36 inches?			x	
4	Is there a level landing for approximately every 30 ft horizontal length of ramp, at the top and at the bottom of ramps and switchbacks?			x	
	Entrances/Exits	Yes	No	NA	Comments
1	Do all required accessible entrance doorways appear at least 32 inches wide and not a revolving door?		x		All doors/entrances are part of recreated colonial structures that do not meet current ADA standards.
2	If the main entrance is inaccessible, are there alternate accessible entrances?		x		
3	Is the door hardware easy to operate (lever/push type hardware, no twisting required and not higher than approximately 48 inches above the floor)?		x		
	Paths of Travel	Yes	No	NA	Comments
1	Are all paths of travel free of obstruction and wide enough for a wheelchair (appear at least 36 inches wide)?		x		
2	Are wheelchair-accessible facilities (toilet rooms, exits, etc.) identified with signage?			x	
3	Is there a path of travel that does not require the use of stairs?			x	
	Elevators	Yes	No	NA	Comments
1	Do the call buttons have visual and audible signals to indicate when a call is registered and answered when car arrives?			x	
2	Are there visual and audible signals inside cars indicating floor change?			x	
3	Are there standard raised and Braille marking on both jambs of each hoist way entrance as well as all cab/call buttons?			x	
4	Do elevator doors have a reopening device that will stop and reopen a car door if an object or a person obstructs the door?			x	
5	Are elevator controls low enough to be reached from a wheelchair (appears to be between 15 and 48 inches)?			x	
6	If a two-way emergency communication system is provided within the elevator cab, is it usable without voice communication?			x	

	Toilet Rooms	Yes	No	NA	Comments
1	Are common area public restrooms located on an accessible route?			x	
2	Are pull handles push/pull or lever type?			x	
3	Are there audible and visual fire alarm devices in the toilet rooms?			x	
4	Are toilet room access doors wheelchair- accessible (appear to be at least 32 inches wide)?			x	
5	Are public restrooms large enough to accommodate a wheelchair turnaround (appear to have 60" turning diameter)?			x	
6	In unisex toilet rooms, are there safety alarms with pull cords?			x	
7	Are toilet stall doors wheelchair accessible (appear to be at least 32" wide)?			x	
8	Are grab bars provided in toilet stalls?			x	
9	Are sinks provided with clearance for a wheelchair to roll under (appear to have 29" clearance)?			x	
10	Are sink handles operable with one hand without grasping, pinching or twisting?			x	
11	Are exposed pipes under sink sufficiently insulated against contact?			x	
	Guest Rooms	Yes	No	NA	Comments
1	How many total accessible sleeping rooms does the property management report to have? Provide specific number in comment field. Are there sufficient reported accessible sleeping rooms with respect to the total number of reported guestrooms? See attached hot sheet.			x	

	Guest Rooms	Yes	No	NA	Comments
2	How many of the accessible sleeping rooms per property management have roll- in showers? Provide specific number in comment field. Are there sufficient reported accessible rooms with roll-in showers with respect to the total number of reported accessible guestrooms? See attached hot sheet.			x	
3	How many assistive listening kits and/or rooms with communication features are available per property management? Provide specific number in comment field. Are there sufficient reported assistive listening devices with respect to the total number of rooms? See attached hot sheet.			x	
	Pools	Yes	No	NA	Comments
1	Are public access pools provided? If the answer is no, please disregard this section.			х	
2	How many accessible access points are provided to each pool/spa? Provide number in comment field. Is at least one fixed lift or sloped entry to the pool provided?			x	
	Play Area	Yes	No	NA	Comments
1	Has the play area been reviewed for accessibility? All public playgrounds are subject to ADAAG standards.			x	
	Exercise Equipment	Yes	No	NA	Comments
1	Does there appear to be adequate clear floor space around the machines/equipment (30" by 48" minimum)?			x	

*Based on visual observation only. The slope was not confirmed through measurements.

Appendix D: Pre-Survey Questionnaire





This questionnaire must be completed by the property owner, the owner's designated representative, or someone knowledgeable about the subject property. If the form is not completed, EMG's Project Manager will require **additional** *time* during the on-site visit with such a knowledgeable person in order to complete the questionnaire. During the site visit, EMG's Field Observer may ask for details associated with selected questions. This questionnaire will be utilized as an exhibit in EMG's final report.

Name of Institution:	City of Salem						
Name of Building: Pioneer	r Village	Building #: 8					
Name of person completing questionnaire: Roy Jodoin (by interview)							
Length of Association With	h the Property:		Phone Number: 978.423.1811				

Site Information						
Year of Construction?	1930 as a play set/renovated in 2009					
No. of Stories?	1					
Total Site Area?	3 Acres					
Total Building Area?	18 Sqft					

Inspections	Date of Last Inspection	List of Any Outstanding Repairs Required
1. Elevators	na	
 HVAC Mechanical, Electric, Plumbing? 	na	
3. Life-Safety/Fire?	no	No exits sign, fire alarm or fire safety devices
4. Roofs?	unknown	Replace thatch at end of winter

Key Questions	Response
Major Capital Improvements in Last 3 yrs.	Drainage project in progress at Forest River Park – connecting bridge to village from parking lot constructed – drainage devices in stalled at shore edge of village
Planned Capital Expenditure For Next Year?	unknown
Age of the Roof?	11
What bldg. Systems Are Responsibilities of Tenants? (HVAC/Roof/Interior/Exterior/Paving)	none

N	Mark the column corresponding to the appropriate response. Please provide additional details in the Comments column, or backup documentation for any Yes responses. (NA indicates "Not Applicable", Unk indicates "Unknown")							
	QUESTION	Υ	Ν	Unk	NA	Comments		
	ZONING, BUILDING DESIGN & LIFE SAFETY ISSUES							
1	Are there any unresolved building, fire, or zoning code issues?		x					
2	Is there any pending litigation concerning the property?		x					
3	Are there any other significant issues/hazards with the property?		x					



	QUESTION	Y	Ν	Unk	NA	Comments
	Z	ONING	, Buil		SIGN &	LIFE SAFETY ISSUES
4	Are there any unresolved construction defects at the property?		x			
5	Has any part of the property ever contained visible suspect mold growth?		x			
6	Is there a mold Operations and Maintenance Plan?		x			
7	Are there any recalled fire sprinkler heads (Star, GEM, Central, and Omega)?				x	
8	Have there been indoor air quality or mold related complaints from tenants?				x	
				Gen	ERAL SI	TE
9	Are there any problems with erosion, storm water drainage or areas of paving that do not drain?		x			New drainage structures are being constructed at adjacent park
10	Are there any problems with the landscape irrigation systems?				x	
				BUILDING	g S tru	CTURE
11	Are there any problems with foundations or structures?		x			
12	Is there any water infiltration in basements or crawl spaces?				x	
13	Has a termite/wood boring insect inspection been performed within the last year?		x			
				BUILDIN	g Enve	ELOPE
14	Are there any wall, or window leaks?		x			Windows are replicas of colonial era structures there are only shutters – no glass
15	Are there any roof leaks?		x			
16	Is the roofing covered by a warranty or bond?		x			
17	Are there any poorly insulated areas?			х		There is no insulation
18	Is Fire Retardant Treated (FRT) plywood used?			х		No plywood used



	Building Envelope								
19	Is exterior insulation and finish system (EIFS) or a synthetic stucco finish used?		x						
N	Mark the column corresponding to the appropriate response. Please provide additional details in the Comments column, or backup documentation for any Yes responses. (NA indicates "Not Applicable", Unk indicates "Unknown")								
	QUESTION	Y	Ν	Unk	NA	Comments			
			BUILD	ING HVA	C AND	ELECTRICAL			
20	Are there any leaks or pressure problems with natural gas service?				x				
21	Does any part of the electrical system use aluminum wiring?				x				
22	Do Residential units have a less than 60-Amp service?				х				
23	Do Commercial units have less than 200-Amp service?				х				
24	Are there any problems with the utilities, such as inadequate capacities?				x				
					ADA				
25	Has the management previously completed an ADA review?		x						
26	Have any ADA improvements been made to the property?		x						
27	Does a Barrier Removal Plan exist for the property?		x						
28	Has the Barrier Removal Plan been approved by an arms-length third party?		x						
29	Has building ownership or management received any ADA related complaints?		x						
30	Does elevator equipment require upgrades to meet ADA standards?				х				
				PLU	JMBIN	G			
31	Is the property served by private water well?				x				
32	Is the property served by a private septic system or other waste treatment systems?				x				
33	Is polybutylene piping used?				x				

October 2016 Update



	PLUMBING										
34	Are there any plumbing leaks or water pressure problems?				x						

	Additional Issues or Concerns That EMG Should Know About?
1.	
2.	
3.	

Items Provided to EMG Auditors				
	Yes	No	N/A	Additional Comments?
Access to All Mechanical Spaces				
Access to Roof/Attic Space				
Access to Building As-Built Drawings				
Site plan with bldg., roads, parking and other features				
Contact Details for Mech, Elevator, Roof, Fire Contractors:				
List of Commercial Tenants in the property				
Previous reports pertaining to the physical condition of property.				
ADA survey and status of improvements implemented.				
Current / pending litigation related to property condition.				
Any brochures or marketing information.				

Signature of person Interviewed or completing form

Date

On the day of the site visit, provide EMG's Field Observer access to all of the available documents listed below.									
Provide copies if possible.									
INFORMATION REQUIRED	8. The company name, phone number, and contact								
	person of all outside vendors who serve the property,								
1. All available construction documents (blueprints) for	such as mechanical contractors, root contractors, fire								
improvement work or other recent construction work	sprinkler of the extinguisher testing contractors, and								
improvement work of other recent construction work.									
2. A site plan, preferably 8 1/2" X 11", which depicts the	9. A summary of recent (over the last 5 years) capital								
arrangement of buildings, roads, parking stalls, and other	improvement work which describes the scope of the								
site features.	work and the estimated cost of the improvements.								
2. For communication attice, provide a tax ant list which	Executed contracts or proposals for improvements.								
dentifies the names of each tenant vacant tenant units	replacements								
the floor area of each tenant space, and the gross and	replacements.								
net leasable area of the building(s).	10. Records of system & material ages (roof, MEP,								
	paving, finishes, furnishings).								
4. For apartment properties, provide a summary of the									
apartment unit types and apartment unit type quantities,	11. Any brochures or marketing information.								
including the floor area of each apartment unit as	12 Appraisal either current or previously prepared								
measureu în square reet.	12. Appraisal, entier current of previously prepared.								
5. For hotel or nursing home properties, provide a	13. Current occupancy percentage and typical turnover								
summary of the room types and room type quantities.	rate records (for commercial and apartment properties).								
6. Copies of Certificates of Occupancy, building permits,	14. Previous reports pertaining to the physical condition								
tire or health department inspection reports, elevator	of property.								
other similar relevant documents	15 ADA survey and status of improvements								
	implemented.								
7. The names of the local utility companies which serve	· ·								
the property, including the water, sewer, electric, gas,	16. Current / pending litigation related to property								
and phone companies.	condition.								
Vour timely compliance with this request is greatly oppresided									
rour limely compliance with this	request is greatly appreciated.								



DUDE SOLUTIONS PARENT COMPANY OF SchoolDude | FacilityDude | TheWorxHub

Draft - For Discussion Purposes Only

(emg)

FACILITY CONDITION ASSESSMENT



FACILITY CONDITION ASSESSMENT

Camp Naumkeag 85 Memorial Drive Salem, Massachusetts 01970

PREPARED BY:

EMG 10461 Mill Run Circle, Suite 1100 Owings Mills, Maryland 21117 800.733.0660 www.EMGcorp.com

EMG Project Number: 130200.18R000-014.322

EMG CONTACT:

Bill Champion Senior Program Manager 800.733.0660 x6234 bchampion@emgcorp.com

Date of Report: April 2, 2018 On Site Date: March 19, 2018

Prepared for:

City of Salem 93 Washington Street Salem, Massachusetts 01970

PARENT COMPANY OF SchoolDude | FacilityDude | TheWorxHub



Immediate Repairs Report Camp Naumkeag 4/2/2018



Location Name	Report Section	ID	Cost Description	Quantity	Unit	Unit Cost *	Subtotal	Deficiency Repair Estimate *
Camp Naumkeag	3.1	888478	ADA, Door, Lever Handle Hardware, Install	10	EA	\$300.00	\$3,000	\$3,000
Camp Naumkeag	3.1	887886	ADA, Parking, Signage, Pole-Mounted, Install	1	EA	\$500.00	\$500	\$500
Camp Naumkeag	3.1	891887	ADA, Restroom, Lavatory Clearance, Modify	2	EA	\$400.00	\$800	\$800
Camp Naumkeag	3.1	887884	ADA, Restroom, Grab Bars & Blocking, Install	3	EA	\$1,700.00	\$5,100	\$5,100
Camp Naumkeag	5.5	887889	ADA, Miscellaneous, Drinking Fountain, Exterior, Install	1	EA	\$6,200.00	\$6,200	\$6,200
Camp Naumkeag	6.1	887881	Foundations,	4200	SF	\$17.40	\$73,080	\$73,080
Camp Naumkeag	7.2	887478	Backflow Preventer, 2", Replace	1	EA	\$2,603.17	\$2,603	\$2,603
Camp Naumkeag	7.4	888907	Distribution Panel, 208 Y, 120 V, 100 Amp, Replace	1	EA	\$5,079.93	\$5,080	\$5,080
Immediate Repa	irs Total		·					\$96,363
* Location Factor in	cluded in totals							

Replacement Reserves Report

Camp Naumkeag

4/2/2018

Location Name	Repor Sectio	rt on ID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantit	yUnit	Unit Cost * Subtotal	2018 2019	2020 2021	2022	2023	2024 2025	2026 2027	7 2028 2	029 2030 203 [.]	1 2032 203	3 2034 2	2035 2036	Deficiency 2037 Repair Estimate
Camp Naumkeag	3.1	888478	ADA, Door, Lever Handle Hardware, Install	0	0	0	10	EA	\$300.00 \$3,000	\$3,000											\$3,000
Camp Naumkeag	3.1	88788	ADA, Parking, Signage, Pole-Mounted, Install	0	0	0	1	EA	\$500.00 \$500	\$500											\$500
Camp Naumkea	g 3.1	89188	ADA, Restroom, Lavatory Clearance, Modify	0	0	0	2	EA	\$400.00 \$800	\$800											\$800
Camp Naumkea	g 3.1	1 887884	ADA, Restroom, Grab Bars & Blocking, Install	0	0	0	3	EA	\$1,700.00 \$5,100	\$5,100											\$5,100
Camp Naumkea	g 5.2	2 88759	Parking Lot, Gravel, Dense & Graded, Replenish	15	13	2	6400	SF	\$1.23 \$7,872		\$7,872								\$7.	872	\$15,744
Camp Naumkeag	5.2	2 887598	Roadways, Asphalt Pavement, Mill & Overlay	25	22	3	3000	SF	\$3.28 \$9,827		\$9,827										\$9,827
Camp Naumkeag	g 5.2	2 888962	Roadways, Asphalt Pavement, Mill & Overlay	25	20	5	4200	SF	\$3.28 \$13,757			\$	13,757								\$13,757
Camp Naumkeag	g 5.5	5 888920	Metal Halide Lighting Fixture, 250 W, Replace	20	17	3	2	EA	\$748.18 \$1,496		\$1,496										\$1,496
Camp Naumkeag	g 5.5	5 887875	5 Metal Halide Lighting Fixture, 250 W, Replace	20	17	3	2	EA	\$748.18 \$1,496		\$1,496										\$1,496
Camp Naumkeag	g 5.5	5 88793 [,]	Fences & Gates, Wood Board, Replace	30	27	3	320	SF	\$6.11 \$1,956		\$1,956										\$1,956
Camp Naumkeag	5.5	5 887887	7 Fences & Gates, Chain Link, 4' High, Replace	30	27	3	120	LF	\$30.51 \$3,661		\$3,661										\$3,661
Camp Naumkeag	g 5.5	5 88788	Fences & Gates, Chain Link, 8' High, Replace	30	18	12	600	LF	\$53.90 \$32,340								\$32,340				\$32,340
Camp Naumkeag	5.5	5 887904	Signage, Property, Monument/Pylon, Replace	20	17	3	1	EA	\$3,000.00 \$3,000		\$3,000										\$3,000
Camp Naumkea	g 5.5	5 887892	2 Site Furnishings, Park Bench, Metal/Wood/Plastic, Replace	20	17	3	6	EA	\$487.03 \$2,922		\$2,922										\$2,922
Camp Naumkeag	g 5.5	5 88790 ⁻	Site Furnishings, Picnic Table, Wood or Composite, Replace	20	17	3	20	EA	\$689.43 \$13,789		\$13,789										\$13,789
Camp Naumkea	g 5.5	5 887894	Play Structure, Medium, Replace	20	13	7	1	EA	\$40,005.63 \$40,006					\$40,006							\$40,006
Camp Naumkea	g 5.5	5 88757	Pole Light, Exterior, 135 to 1000 W HID (Fixture, Ballast, & Lamp), Replace	10	7	3	5	EA	\$2,246.90 \$11,234		\$11,234						\$11,234	1			\$22,469
Camp Naumkea	g 5.5	5 88788	ADA, Miscellaneous, Drinking Fountain, Exterior, Install	0	28	0	1	EA	\$6,200.00 \$6,200	\$6,200											\$6,200
Camp Naumkeag	g 6.1	1 88788 [.]	Foundations,	50	83	0	4200	SF	\$17.40 \$73,080 \$	73,080											\$73,080
Camp Naumkeag	g 6.3	8 887472	Roof, Asphalt Shingle, Replace	20	19	1	2000	SF	\$3.42 \$6,841	\$6,841											\$6,841
Camp Naumkea	g 6.3	887856	Roof, Asphalt Shingle, Replace	20	17	3	1400	SF	\$3.42 \$4,789		\$4,789										\$4,789
Camp Naumkeag	g 6.3	88766	Roof, Asphalt Shingle, Replace	20	17	3	1400	SF	\$3.42 \$4,789		\$4,789										\$4,789
Camp Naumkea	g 6.3	888922	Roof, Asphalt Shingle, Replace	20	17	3	980	SF	\$3.42 \$3,352		\$3,352										\$3,352
Camp Naumkeag	g 6.3	887934	Roof, Asphalt Shingle, Replace	20	17	3	1400	SF	\$3.42 \$4,789		\$4,789										\$4,789
Camp Naumkeag	g 6.3	887602	Roof Skylight, Glass Single Unit, Replace	30	27	3	6	SF	\$46.57 \$279		\$279										\$279
Camp Naumkea	g 6.4	4 891890	Exterior Wall, Wood Clapboard Siding, 1 Story, Replace	20	18	2	1600	SF	\$27.03 \$43,241		\$43,241										\$43,241
Camp Naumkea	g 6.4	4 887659	Exterior Wall, Painted Surface, 1-2 Stories, Prep & Paint	10	8	2	1200	SF	\$2.87 \$3,445		\$3,445						\$3,445				\$6,890
Camp Naumkeag	g 6.4	4 88793	Exterior Wall, Painted Surface, 1 Story, Prep & Paint	10	7	3	1600	SF	\$2.87 \$4,593		\$4,593						\$4,593	3			\$9,186
Camp Naumkeag	g 6.4	4 891892	2 Exterior Wall, Wood Clapboard Siding, 1 Story, Replace	20	17	3	1600	SF	\$27.03 \$43,241		\$43,241										\$43,241
Camp Naumkea	g 6.4	4 88766 ⁻	Exterior Wall, Painted Surface, 1-2 Stories, Prep & Paint	10	7	3	1600	SF	\$2.87 \$4,593		\$4,593						\$4,593	3			\$9,186
Camp Naumkea	g 6.4	4 89189 [.]	Exterior Wall, Wood Clapboard Siding, 1 Story, Replace	20	17	3	1200	SF	\$27.03 \$32,431		\$32,431										\$32,431
Camp Naumkea	g 6.4	4 88892	Exterior Wall, Painted Surface, 1 Story, Prep & Paint	10	7	3	1300	SF	\$2.87 \$3,732		\$3,732						\$3,732	2			\$7,464
Camp Naumkea	g 6.4	4 891893	B Exterior Wall, Wood Clapboard Siding, 1 Story, Replace	20	17	3	1600	SF	\$27.03 \$43,241		\$43,241										\$43,241
Camp Naumkea	g 6.4	4 88785	Exterior Wall, Painted Surface, 1 Story, Prep & Paint	10	7	3	1600	SF	\$2.87 \$4,593		\$4,593						\$4,593	3			\$9,186
Camp Naumkeag	g 6.4	887947	Exterior Wall, Brick or Brick Veneer, 1 Story, Repoint	25	19	6	32	SF	\$41.28 \$1,321					\$1,321							\$1,321
Camp Naumkea	g 6.5	5 887858	B Exterior Stair/Ramp Rails, Wood, Replace	15	14	1	12	LF	\$50.00 \$600	\$600									\$600		\$1,200
Camp Naumkea	g 6.5	5 887810	Exterior Stair/Ramp Rails, Wood, Replace	15	12	3	12	LF	\$50.00 \$600		\$600									\$600	\$1,200
Camp Naumkea	g 6.6	887564	Window, Wood 12 SF, 1-2 Stories, Replace	30	28	2	4	EA	\$719.86 \$2,879		\$2,879										\$2,879
Camp Naumkea	6.6	6 88794	Window, Wood 12 SF, 1 Story, Replace	30	27	3	8	EA	\$719.86 \$5,759		\$5,759										\$5,759
Camp Naumkeag	6.6	888929	Window, Steel Operable 12 SF, 1 Story, Replace	30	27	3	8	EA	\$1,885.36 \$15,083		\$15,083										\$15,083
Camp Naumkeag	g 6.6	887818	Exterior Door, Wood Solid-Core, Replace	25	24	1	3	EA	\$1,423.11 \$4,269	\$4,269											\$4,269
Camp Naumkeag	g 6.6	8 887560	Exterior Door, Wood Solid-Core, Replace	25	23	2	2	EA	\$1,423.11 \$2,846		\$2,846										\$2,846
Camp Naumkeag	6.6	6 887873	Exterior Door, Wood Solid-Core, Replace	25	22	3	2	EA	\$1,423.11 \$2,846		\$2,846										\$2,846



Location Name Repo	ort ion ID	Cost Description L	_ifespan EUL)	EAge	RUL	Quantity	Unit	Unit Cost * Subtotal 2018	2019	2020	2021	2022 2023	2024 2025 2	026 2027	2028 2029	2030 2031	Draft - F(2032 2033	or Dis 2034	CUSS 2035	iom Purpos	Estimate
Camp Naumkeag 6.	.6 88	88928 Exterior Door, Wood Solid-Core, Replace	25	22	3	1	EA	\$1,423.11 \$1,423			\$1,423										\$1,423
Camp Naumkeag 6.	.6 88	87941 Exterior Door, Wood Solid-Core, Replace	25	22	3	2	EA	\$1,423.11 \$2,846			\$2,846										\$2,846
Camp Naumkeag 6.	.7 88	87569 Structural Flooring/Decking, Pressure Treated Timber, Replace	25	18	7	1300	SF	\$10.04 \$13,050					\$13,050								\$13,050
Camp Naumkeag 6.	.7 88	87570 Exterior Stair/Ramp Rails, Wood, Replace	15	10	5	100	LF	\$12.91 \$1,291				\$1,291									\$1,291
Camp Naumkeag 7.	.1 89	91942 Baseboard Heater, Electric, 4', 1000 Watts, Replace	25	22	3	5	EA	\$188.76 \$944			\$944										\$944
Camp Naumkeag 7.	.2 88	87837 Toilet Partitions, Wood, Replace	20	17	3	3	EA	\$465.02 \$1,395			\$1,395										\$1,395
Camp Naumkeag 7.	.2 88	87867 Toilet Partitions, Wood, Replace	20	17	3	4	EA	\$465.02 \$1,860			\$1,860										\$1,860
Camp Naumkeag 7.	.2 88	87835 Toilet, Flush Tank (Water Closet), Replace	20	17	3	4	EA	\$1,055.15 \$4,221			\$4,221										\$4,221
Camp Naumkeag 7.	.2 88	87868 Toilet, Flush Tank (Water Closet), Replace	20	17	3	5	EA	\$1,055.15 \$5,276			\$5,276										\$5,276
Camp Naumkeag 7.	.2 88	87528 Toilet, Flush Tank (Water Closet), Replace	20	17	3	1	EA	\$1,055.15 \$1,055			\$1,055										\$1,055
Camp Naumkeag 7.	.2 88	88936 Toilet, Flush Tank (Water Closet), Replace	20	17	3	2	EA	\$1,055.15 \$2,110			\$2,110										\$2,110
Camp Naumkeag 7.	.2 88	87833 Lavatory, Vitreous China, Replace	20	17	3	2	EA	\$572.66 \$1,145			\$1,145										\$1,145
Camp Naumkeag 7.	.2 88	87871 Lavatory, Cultured Marble, Replace	20	17	3	2	EA	\$1,891.78 \$3,784			\$3,784										\$3,784
Camp Naumkeag 7.	.2 88	88937 Lavatory, Vitreous China, Replace	20	17	3	2	EA	\$572.66 \$1,145			\$1,145										\$1,145
Camp Naumkeag 7.	.2 88	87559 Bathtub & Shower Enclosure, Fiberglass, Replace	20	17	3	1	EA	\$1,785.27 \$1,785			\$1,785										\$1,785
Camp Naumkeag 7.	.2 88	87478 Backflow Preventer, 2", Replace	15	15	0	1	EA	\$2,603.17 \$2,603 \$2,603									\$2,603				\$5,206
Camp Naumkeag 7.	.2 88	87414 Water Heater, Electric, Commercial, 40 GAL, Replace	15	6	9	1	EA	\$6,963.24 \$6,963						\$6,963							\$6,963
Camp Naumkeag 7.	.2 88	88912 Water Heater, Electric, Commercial, 40 GAL, Replace	15	3	12	1	EA	\$6,963.24 \$6,963							\$	\$6,963					\$6,963
Camp Naumkeag 7.	.2 88	87525 Bathroom Vanity Cabinet, Wood, with Cultured Marble Sink Top, 24", Replace	20	18	2	1	EA	\$1,082.84 \$1,083		\$1,083											\$1,083
Camp Naumkeag 7.	.4 88	88907 Distribution Panel, 208 Y, 120 V, 100 Amp, Replace	30	38	0	1	EA	\$5,079.93 \$5,080 \$5,080													\$5,080
Camp Naumkeag 7.	.4 88	88938 Distribution Panel, 208 Y, 120 V, 100 Amp, Replace	30	27	3	1	EA	\$5,079.93 \$5,080			\$5,080										\$5,080
Camp Naumkeag 7.	.4 88	87473 Distribution Panel, 208 Y, 120 V, 100 Amp, Replace	30	23	7	1	EA	\$5,079.93 \$5,080					\$5,080								\$5,080
Camp Naumkeag 7.	.4 88	87831 Distribution Panel, 208 Y, 120 V, 100 Amp, Replace	30	23	7	1	EA	\$5,079.93 \$5,080					\$5,080								\$5,080
Camp Naumkeag 7.	.6 88	87480 Fire Extinguisher, Replace	15	8	7	1	EA	\$356.54 \$357					\$357								\$357
Camp Naumkeag 7.	.6 88	87811 Fire Extinguisher, Replace	15	8	7	1	EA	\$356.54 \$357					\$357								\$357
Camp Naumkeag 7.	.6 88	87942 Fire Extinguisher, Replace	15	8	7	1	EA	\$356.54 \$357					\$357								\$357
Camp Naumkeag 7.	.6 88	87872 Fire Extinguisher, Replace	15	8	7	1	EA	\$356.54 \$357					\$357								\$357
Camp Naumkeag 7.	.6 89	92213 Smoke Detector, , Replace	10	7	3	9	EA	\$208.43 \$1,876			\$1,876					\$1,876					\$3,752
Camp Naumkeag 8.	.1 88	88940 Interior Door, Steel, Replace	25	22	3	3	EA	\$950.12 \$2,850			\$2,850										\$2,850
Camp Naumkeag 8.	.1 88	87568 Interior Door, Wood Solid-Core, Replace	20	17	3	3	EA	\$1,423.11 \$4,269			\$4,269										\$4,269
Camp Naumkeag 8.	.1 88	88918 Interior Wall Finish, General Surface, Prep & Paint	8	5	3	2400	SF	\$1.45 \$3,480			\$3,480				\$3,480					\$3,480	\$10,440
Camp Naumkeag 8.	.1 88	87865 Interior Wall Finish, General Surface, Prep & Paint	8	5	3	2400	SF	\$1.45 \$3,480			\$3,480				\$3,480					\$3,480	\$10,440
Camp Naumkeag 8.	.1 88	87485 Interior Wall Finish, Gypsum Board/Plaster/Metal, Prep & Paint	8	5	3	1700	SF	\$1.42 \$2,419			\$2,419				\$2,419					\$2,419	\$7,258
Camp Naumkeag 8.	.1 88	88941 Interior Wall Finish, General Surface, Prep & Paint	8	5	3	2600	SF	\$1.45 \$3,770			\$3,770				\$3,770					\$3,770	\$11,310
Camp Naumkeag 8.	.1 88	87812 Interior Wall Finish, General Surface, Prep & Paint	8	5	3	2400	SF	\$1.45 \$3,480			\$3,480				\$3,480					\$3,480	\$10,440
Camp Naumkeag 8.	.1 88	87524 Interior Floor Finish, Linoleum, Replace	15	14	1	60	SF	\$3.33 \$200	\$200									\$200			\$400
Camp Naumkeag 8.	.1 88	88910 Interior Floor Finish, Wood Strip, Refinish	10	7	3	1000	SF	\$3.68 \$3,678			\$3,678					\$3.678					\$7,355
Camp Naumkeag 8.	.1 88	88911 Interior Floor Finish. Wood Strip. Refinish	10	7	3	1000	SF	\$3.68 \$3.678			\$3.678					\$3.678					\$7.355
Camp Naumkead 8	.1 88	87483 Interior Floor Finish, Wood Strip, Refinish	10	7	3	700	SF	\$3.68 \$2.574			\$2.574					\$2.574					\$5.149
Camp Naumkead 8	.1 88	87813 Interior Floor Finish. Wood Strip, Refinish	10	7	3	1000	SF	\$3.68 \$3.678			\$3.678					\$3.678					\$7,355
Camp Naumkeag 8	.1 88	87852 Interior Floor Finish, Linoleum, Replace	15	12	3	300	SF	\$3.33 \$1.000			\$1.000					+ 3,0.0				\$1,000	\$2.000
Camp Naumkeag 8	.1 88	87850 Interior Floor Finish, Linoleum, Replace	15	12	3	300	SF	\$3.33 \$1.000			\$1.000									\$1.000	\$2.000
Camp Naumkeag 8	.1 88	87484 Interior Ceiling Finish, Gypsum Board/Plaster Pren & Paint	10	7	3	700	SF	\$1.94 \$1.356			\$1.356					\$1 356					\$2.711
Camp Naumkeag 8	.1 89	87481 Kitchen Cabinet, Base and Wall Section, Wood, Replace	20	17	3	20	IF	\$467.63 \$9.353			\$9.353					¢ .,000					\$9.353
Totals, Unescalated					Ŭ			\$96.363	\$11.910 \$	\$61.367	\$314.102	\$0 \$15 048	\$1,321 \$64 642	\$0 \$6 963	\$0 \$16 629 \$4	12.748 \$45 584	\$0 \$2 603	\$800	\$7,872	\$2.600 \$16 629	\$707.182
Totals Escalated (2.00	% infla	tion compounded annually)						\$06,303 \$06,262	\$12 262 4	\$65 104	\$343 227	\$0 \$17 445	\$1 577 \$79 501	\$0 \$0.005	\$0 \$23 010 \$	50 949 \$66 042	\$0 \$1 056	\$1 284 4	13 011	\$4 426 \$20 160	\$827 418
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1. Executive Summary

1.1. Property Information and General Physical Condition

The property information is summarized in the table below. More detailed descriptions may be found in the various sections of the report and in the Appendices.

Property Information									
Address:	85 Memorial Drive, Salem, Essex County, MA 01970								
Year Constructed/Renovated:	1935								
Current Occupants:	City of Salem Parks and Recreation								
Percent Utilization:	100								
	City of Salem, Kristin Shaver								
Management Point of Contact:	978.265.4045 phone								
	kristinshaver@salem12.org								
Property Type:	Camp, park								
Site Area:	6 acres								
Building Area:	4208 SF								
Number of Buildings:	5								
Number of Stories:	1								
Parking Type and Number of Spaces:	12 spaces in gravel lot								
Building Construction:	Four buildings are wood framed on CMU piers with wood framed roofs.								
	Bath House is CMU bearing walls with wood trussed roof.								
Roof Construction:	Sloped asphalt shingled roofs								
Exterior Finishes:	Painted CMU and painted wood siding								
Heating, Ventilation & Air Conditioning:	Electric heaters								
Fire and Life/Safety:	Smoke detectors, emergency lights								
Dates of Visit:	March 19, 2018								
On-Site Point of Contact (POC):	David Gilbert								
Assessment and Report Prepared by:	John Landry								
	Daniel White								
	Technical Report Reviewer for								
Reviewed by:	Bill Champion								
	Senior Program Manager								
	bchampion@emgcorp.com								
	800.733.0660 x6234								

Systemic Condition Summary									
Site	Fair	HVAC	Fair						
Structure	Poor	Plumbing	Fair						





Systemic Condition Summary									
Roof	Poor	Electrical	Fair						
Vertical Envelope	Fair	Elevators							
Interiors	Fair	Fire	Fair						

The following bullet points highlight the most significant short term and modernization recommendations:

- Replacement of the Caretakers Residence roof
- Exterior door replacements
- Immediate needs listed below in Section 1.2

Generally, the property appears to have been constructed within industry standards in force at the time of construction. The property appears to have been poorly maintained in recent years and is in fair overall condition.

According to property management personnel, the property has had a limited capital improvement expenditure program over the past three years, primarily consisting of maintaining the existing facility. Copies of documents that support these claims are included in Appendix C.

1.2. Facility Condition Index (FCI)

FCI Analysis: Camp Naumkeag

Replacement Value: \$ 551,458; Inflation rate: 3.0%



One of the major goals of the FCA is to calculate the FCI, which gives an indication of a building's overall condition. Two FCI ratios are calculated and presented, the Current Year and Ten-Year. The Current Year FCI is the ratio of Immediate Repair Costs to the building's Current Replacement Value. Similarly, the Ten-Year FCI is the ratio of anticipated Capital Reserve Needs over the next ten years to the Current Replacement Value.

FCI Condition Rating	Definition	Value
Good	In new or well-maintained condition, with no visual evidence of wear, soiling or other deficiencies.	0 to .05





FCI Condition Rating	Definition	Value
Fair	Subjected to wear and soiling but is still in a serviceable and functioning condition.	> than .05 to .10
Poor	Subjected to hard or long-term wear. Nearing the end of its useful or serviceable life.	> than .10 to .60
Very Poor	Has reached the end of its useful or serviceable life. Renewal is now necessary.	> than .60

The graphs above and tables below represent summary-level findings for the FCA. The deficiencies identified in this assessment can be combined with potential new construction requirements to develop an overall strategy that can serve as the basis for a portfolio-wide capital improvement funding strategy. Key findings from the assessment include:

Key Finding	Me	tric
Current Year Facility Condition Index (FCI) FCI = (IR)/(CRV)	.17	Poor
10-Year Facility Condition Index (FCI) FCI = (RR)/(CRV)	1.13	Very Poor
Current Replacement Value (CRV)	4208 SF * 131.05	5 / SF = \$551,458
Year 1 (Current Year) - Immediate Repairs (IR)		\$96,363
Years 1-10 – Replacement Reserves (RR)		\$624,571

The major issues contributing to the Immediate Repair Costs and the Current Year FCI ratio are summarized below:

- ADA accessibility upgrades
- Drinking fountain replacement
- Foundation improvements stabilization of buildings
- Install backflow preventer
- Replace fuse type electrical distribution panel at Main Building

Further detail on the specific costs that make up the Immediate Repair Costs can be found in the cost tables at the beginning of this report.

1.3. Special Issues and Follow-Up Recommendations

As part of the FCA, a limited assessment of accessible areas of the building(s) was performed to determine the presence of fungal growth, conditions conducive to fungal growth, and/or evidence of moisture. Property personnel were interviewed concerning any known or suspected fungal growth, elevated relative humidity, water intrusion, or mildew-like odors. Sampling is not a part of this assessment.

There are no visual indications of the presence of fungal growth in occupied buildings, conditions conducive to fungal growth, or evidence of moisture in representative readily accessible areas of the property.

1.4. Opinions of Probable Cost

Cost estimates are attached at the front of this report (following the cover page).

These estimates are based on Invoice or Bid Document/s provided either by the Owner/facility and construction costs developed by construction resources such as *R.S. Means* and *Marshall & Swift*, EMG's experience with past costs for similar properties, city cost indexes, and assumptions regarding future economic conditions.





Opinions of probable costs should only be construed as preliminary, order of magnitude budgets. Actual costs most probably will vary from the consultant's opinions of probable costs depending on such matters as type and design of suggested remedy, quality of materials and installation, manufacturer and type of equipment or system selected, field conditions, whether a physical deficiency is repaired or replaced in whole, phasing of the work (if applicable), quality of contractor, quality of project management exercised, market conditions, and whether competitive pricing is solicited, etc. ASTM E2018-08 recognizes that certain opinions of probable costs cannot be developed within the scope of this guide without further study. Opinions of probable cost for further study should be included in the FCA.

1.4.1. Methodology

Based upon site observations, research, and judgment, along with referencing Expected Useful Life (EUL) tables from various industry sources, EMG opines as to when a system or component will most probably necessitate replacement. Accurate historical replacement records, if provided, are typically the best source of information. Exposure to the elements, initial quality and installation, extent of use, the quality and amount of preventive maintenance exercised, etc., are all factors that impact the effective age of a system or component. As a result, a system or component may have an effective age that is greater or less than its actual chronological age. The Remaining Useful Life (RUL) of a component or system equals the EUL less its effective age. Projections of Remaining Useful Life (RUL) are based on continued use of the Property similar to the reported past use. Significant changes in occupants and/or usage may affect the service life of some systems or components.

Where quantities could not be derived from an actual take-off, lump sum costs or allowances are used. Estimated costs are based on professional judgment and the probable or actual extent of the observed defect, inclusive of the cost to design, procure, construct and manage the corrections.

1.4.2. Immediate Repairs

Immediate repairs are opinions of probable costs that require immediate action as a result of: (1) material existing or potential unsafe conditions, (2) material building or fire code violations, or (3) conditions that, if not addressed, have the potential to result in, or contribute to, critical element or system failure within one year or will most probably result in a significant escalation of its remedial cost.

1.4.3. Replacement Reserves

Replacement Reserves are for recurring probable expenditures, which are not classified as operation or maintenance expenses. The replacement reserves should be budgeted for in advance on an annual basis. Replacement Reserves are reasonably predictable both in terms of frequency and cost. However, Replacement Reserves may also include components or systems that have an indeterminable life but, nonetheless, have a potential for failure within an estimated time period.

Replacement Reserves exclude systems or components that are estimated to expire after the reserve term and are not considered material to the structural and mechanical integrity of the subject property. Furthermore, systems and components that are not deemed to have a material effect on the use of the Property are also excluded. Costs that are caused by acts of God, accidents, or other occurrences that are typically covered by insurance, rather than reserved for, are also excluded.

Replacement costs are solicited from ownership/property management, EMG's discussions with service companies, manufacturers' representatives, and previous experience in preparing such schedules for other similar facilities. Costs for work performed by the ownership's or property management's maintenance staff are also considered.

EMG's reserve methodology involves identification and quantification of those systems or components requiring capital reserve funds within the assessment period. The assessment period is defined as the effective age plus the reserve term. Additional information concerning system's or component's respective replacement costs (in today's dollars), typical expected useful lives, and remaining useful lives were estimated so that a funding schedule could be prepared. The Replacement Reserves Schedule presupposes that all required remedial work has been performed or that monies for remediation have been budgeted for items defined in the Immediate Repair Cost Estimate.





2. Purpose and Scope

2.1. Purpose

EMG was retained by the client to render an opinion as to the Property's current general physical condition on the day of the site visit.

Based on the observations, interviews and document review outlined below, this report identifies significant deferred maintenance issues, existing deficiencies, and material code violations of record at municipal offices, which affect the Property's use. Opinions are rendered as to its structural integrity, building system condition and the Property's overall condition. The report also notes building systems or components that have realized or exceeded their typical expected useful lives.

CONDITIONS:

The physical condition of building systems and related components are typically defined as being in one of five conditions: Excellent, Good, Fair, Poor, Failed or a combination thereof. For the purposes of this report, the following definitions are used:

Excellent	=	New or very close to new; component or system typically has been installed within the past year, sound and performing its function. Eventual repair or replacement will be required when the component or system either reaches the end of its useful life or fails in service.
Good	=	Satisfactory as-is. Component or system is sound and performing its function, typically within the first third of its lifecycle. However, it may show minor signs of normal wear and tear. Repair or replacement will be required when the component or system either reaches the end of its useful life or fails in service.
Fair	=	Showing signs of wear and use but still satisfactory as-is, typically near the median of its estimated useful life. Component or system is performing adequately at this time but may exhibit some signs of wear, deferred maintenance, or evidence of previous repairs. Repair or replacement will be required due to the component or system's condition and/or its estimated remaining useful life.
Poor	=	Component or system is significantly aged, flawed, functioning intermittently or unreliably; displays obvious signs of deferred maintenance; shows evidence of previous repair or workmanship not in compliance with commonly accepted standards; has become obsolete; or exhibits an inherent deficiency. The present condition could contribute to or cause the deterioration of contiguous elements or systems. Either full component replacement is needed, or repairs are required to restore to good condition, prevent premature failure, and/or prolong useful life.
Failed	=	Component or system has ceased functioning or performing as intended. Replacement, repair, or other significant corrective action is recommended or required.
Not Applicable	=	Assigning a condition does not apply or make logical sense, most commonly due to the item in question not being present.

Throughout sections 5 through 9 of this report, each report section will typically contain three subsections organized in the following sequence:

- A descriptive table (and/or narrative), which identifies the components assessed, their condition, and other key data points.
- A simple bulleted list of Anticipated Lifecycle Replacements, which lists components and assets typically in Excellent, Good, or Fair condition at the time of the assessment but that will require replacement, or some other attention once aged past their estimated useful life. These listed components are typically included in the associated inventory database with costs identified and budgeted beyond the first several years.
- A bulleted cluster of Actions/Comments, which include more detailed narratives describing deficiencies, recommended repairs, and short-term replacements. The assets and components associated with these bullets are/were typically problematic and in Poor or Failed condition at the time of the assessment, with corresponding costs included within the first few years.

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PLAN TYPES:

Each line item in the cost database is assigned a Plan Type, which is the primary reason or rationale for the recommended replacement, repair, or other corrective action. This is the "why" part of the equation. A cost or line item may commonly have more than one applicable Plan Type; however, only one Plan Type will be assigned based on the "best" fit, typically the one with the greatest significance. The following Plan Types are listed in general weighted order of importance:

Safety	=	An observed or reported unsafe condition that if left unaddressed could result in an injury; a system or component that presents a potential liability risk.
Performance/Integrity	=	Component or system has failed, is almost failing, performs unreliably, does not perform as intended, and/or poses a risk to overall system stability.
Accessibility	=	Does not meet ADA, UFAS, and/or other handicap accessibility requirements.
Environmental	=	Improvements to air or water quality, including removal of hazardous materials from the building or site.
Modernization/Adaptation	=	Conditions, systems, or spaces that need to be upgraded in appearance or function to meet current standards, facility usage, or client/occupant needs.
Lifecycle/Renewal	=	Any component or system in which future repair or replacement is anticipated beyond the next several years and/or is of minimal substantial early-term consequence.

2.2. Scope

The standard scope of the Facility Condition Assessment includes the following:

- Visit the Property to evaluate the general condition of the building and site improvements, review available construction documents in
 order to familiarize ourselves with, and be able to comment on, the in-place construction systems, life safety, mechanical, electrical,
 and plumbing systems, and the general built environment.
- Identify those components that are exhibiting deferred maintenance issues and provide cost estimates for Immediate Costs and Replacement Reserves based on observed conditions, maintenance history and industry standard useful life estimates. This will include the review of documented capital improvements completed within the last five-year period and work currently contracted for, if applicable.
- Provide a full description of the Property with descriptions of in-place systems and commentary on observed conditions.
- Provide a general statement of the subject Property's compliance to Title III of the Americans with Disabilities Act. This will not constitute a full ADA survey, but will help identify exposure to issues and the need for further review.
- Perform a limited assessment of accessible areas of the building(s) for the presence of fungal growth, conditions conducive to fungal growth, and/or evidence of moisture. EMG will also interview Project personnel regarding the presence of any known or suspected fungal growth, elevated relative humidity, water intrusion, or mildew-like odors. Potentially affected areas will be photographed. Sampling will not be considered in routine assessments.
- List the current utility service providers.
- Review maintenance records and procedures with the in-place maintenance personnel.
- Observe a representative sample of the interior spaces/units, including vacant spaces/units, in order to gain a clear understanding of the property's overall condition. Other areas to be observed include the exterior of the property, the roofs, interior common areas, and the significant mechanical, electrical and elevator equipment rooms.
- Provide recommendations for additional studies, if required, with related budgetary information.
- Provide an Executive Summary at the beginning of this report.
- Prepare a mechanical equipment inventory list.





2.3. Personnel Interviewed

The Property Manager was interviewed for specific information relating to the physical property, available maintenance procedures, historical performance of key building systems and components, available drawings and other documentation. The following personnel from the facility and government agencies were interviewed in the process of conducting the FCA:

Name and Title	Organization	Phone Number
David Gilbert, Manager	City of Salem	978.815.3152

The FCA was performed with the assistance of David Gilbert, City of Salem the onsite Point of Contact (POC), who was cooperative and provided information that appeared to be accurate based upon subsequent site observations. The onsite contact is knowledgeable about the subject property and answered most questions posed during the interview process. The POC's involvement at the property has been for the past 10 years.

2.4. Documentation Reviewed

Prior to the FCA, relevant documentation was requested that could aid in the knowledge of the subject property's physical improvements, extent and type of use, and/or assist in identifying material discrepancies between reported information and observed conditions. The review of submitted documents does not include comment on the accuracy of such documents or their preparation, methodology, or protocol. The Documentation Request Form is provided in Appendix E.

Although Appendix E provides a summary of the documents requested or obtained, the following list provides more specific details about some of the documents that were reviewed or obtained during the site visit.

- Camp Naumkeag Building Survey report, MDA Architecture, December 27, 2016.

2.5. Pre-Survey Questionnaire

A Pre-Survey Questionnaire was sent to the POC prior to the site visit but has not been returned as of this report.

2.6. Weather Conditions

March 19, 2018: Clear, with temperatures in the 20s (°F) and light winds. There were approximately 6 inches of snow on the ground at the time of the site visit.





3. Accessibility and Property Research

3.1. ADA Accessibility

Generally, Title III of the Americans with Disabilities Act (ADA) prohibits discrimination by entities to access and use of "areas of public accommodations" and "commercial facilities" on the basis of disability. Regardless of its age, these areas and facilities must be maintained and operated to comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG).

Buildings completed and occupied after January 26, 1992 are required to comply fully with the ADAAG. Existing facilities constructed prior to this date are held to the lesser standard of compliance to the extent allowed by structural feasibility and the financial resources available. As an alternative, a reasonable accommodation pertaining to the deficiency must be made.

During the FCA, a limited visual observation for ADA accessibility compliance was conducted. The scope of the visual observation was limited to those areas set forth in *EMG's Abbreviated Accessibility Checklist* provided in Appendix D of this report. It is understood by the Client that the limited observations described herein does not comprise a full ADA Compliance Survey, and that such a survey is beyond the scope of EMG's undertaking. Only a representative sample of areas was observed and, other than as shown on the Abbreviated Accessibility Checklist, actual measurements were not taken to verify compliance.

The facility does not appear to be accessible with Title III of the Americans with Disabilities Act. Elements as defined by the ADAAG that are not accessible as stated within the priorities of Title III, are as follows:

Parking

Install Van accessible sign.

Ramps

Appear adequate

Entrances/Exits

• Lever action hardware is not provided at all accessible locations.

Paths of Travel

Accessible walkways to the building entrances are not provided.

Restrooms

- Install grab bars at three toilets, one each building.
- Add paddle faucets at two restroom locations.

A full ADA Compliance Survey may reveal additional aspects of the property that are not in compliance.

Corrections of these conditions should be addressed from a liability standpoint but are not necessarily code violations. The Americans with Disabilities Act Accessibility Guidelines concern civil rights issues as they pertain to the disabled and are not a construction code, although many local jurisdictions have adopted the Guidelines as such. The costs to address the achievable items noted above are included in the cost tables.

3.2. Municipal Information, Flood Zone and Seismic Zone

Not applicable.





4. Existing Building Assessment

4.1. Unit or Space Types

All 4,208 square feet of the building are occupied by the City of Salem Parks and Recreation. The buildings are used as gathering and storage spaces, with supporting restrooms and kitchenettes.

4.2. Inaccessible Areas or Key Spaces Not Observed

All of the interior spaces were observed in order to gain a clear understanding of the property's overall condition except for the lower Restroom building which was locked. Other areas accessed included the site within the property boundaries, exterior of the property and the roof.





5. Site Improvements

5.1. Utilities

The following table identifies the utility suppliers and the condition and adequacy of the services.

Site Utilities				
Utility	Supplier	Condition and Adequacy		
Sanitary sewer	City of Beverly/ Salem	Fair		
Storm sewer	None			
Domestic water	City of Beverly/ Salem	Fair		
Electric service	National Grid	Fair		
Natural gas service	None			

Actions/Comments:

• According to the POC, the utilities provided are adequate for the property. There are no unique, onsite utility systems such as emergency electrical generators, water, or waste water treatment plants.

5.2. Parking, Paving, and Sidewalks

Item	Description
Main Ingress and Egress	Memorial drive
Access from	South
Additional Entrances	N/A
Additional Access from	

Paving and Flatwork				
Item	Material	Last Work Done	Condition	
Entrance Driveway Apron	Asphalt	1993	Fair	
Parking Lot	Gravel	1993	Fair	
Drive Aisles	None			
Service Aisles	None			
Sidewalks	None			
Curbs	None			
Site Stairs	None			
Pedestrian Ramps	None			



CAMP NAUMKEAG

Parking Count				
Open Lot	Carport	Private Garage	Subterranean Garage	Freestanding Parking Structure
12	0	0	0	0
Total Number of ADA Compliant Spaces			0	
Number of ADA Compliant Spaces for Vans			0	
Total Parking Spaces			12	
Parking Ratio (Spaces/1000 SF)			NA	
Method of Obtaining Parking Count			Go	ogle Earth

Exterior Stairs				
Location	Material	Handrails	Condition	
None	None	None		

Anticipated Lifecycle Replacements:

- Asphalt pavement
- Gravel added to parking lot

Actions/Comments:

• No significant actions are identified at the present time. On-going periodic maintenance is highly recommended.

5.3. Drainage Systems and Erosion Control

Drainage System and Erosion Control				
System	Exists at Site	Condition		
Surface Flow	\boxtimes	Fair		
Inlets				
Swales				
Detention pond				
Lagoons				
Ponds				
Underground Piping				
Pits				
Municipal System				
Dry Well				





Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

• There is no evidence of storm water runoff from adjacent properties. The storm water system appears to provide adequate runoff capacity. There is no evidence of major ponding or erosion.

5.4. Topography and Landscaping

Item	Description								
Site Topography	Slopes ge line.	Slopes gently down from the west side of the property to the east property line.							
Landscaping	Trees	Grass	Flower Beds	Plante	ers	Drought Tolerant Plants	D	ecorative Stone	None
	\boxtimes	\boxtimes							
Landscaping Condition	Fair								
Irrigation	Autor Underg	matic ground	Drip Hand Watering None			ne			
]					\boxtimes		
Irrigation Condition					-				

Retaining Walls					
Туре	Location	Condition			
Timber	Lower Restroom	Fair			
None					

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

 The topography and adjacent uses do not appear to present conditions detrimental to the property. There are no significant areas of erosion.

5.5. General Site Improvements

Property Signage				
Property Signage	Post mounted wood			
Street Address Displayed?	No			





CAMP NAUMKEAG

Site and Building Lighting							
Site Lighting	None	Pole Mount		Bollard Lights	C N	Ground Iounted	Parking Lot Pole Type
		\boxtimes					
	Fair						
	None		Wall Mounted			Recessed Soffit	
Building Lighting			\boxtimes				
	Fair						

Site Fencing					
Туре	Location	Condition			
Chain link with metal posts	Around Playground	Good			
Stained wood board and posts At Entrance Fair					

Refuse Disposal							
Refuse Disposal	Means of disposal not apparent						
Dumpster Locations	Mounting Enclosure Contracted? Condition						
None	None	None	Unknown				

Other Site Amenities						
	Description	Location	Condition			
Playground Equipment	Metal	Site	Fair			
Tennis Courts	None					
Basketball Court	None					
Swimming Pool	None					

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Anticipated Lifecycle Replacements:

- Signage
- Exterior lighting
- Site fencing
- Picnic tables
- Park benches
- Playground equipment

Actions/Comments:

- Drinking fountain at playground is not working and is recommend for replacement.



6. Building Architectural and Structural Systems

6.1. Foundations

Building Foundation					
Item	Description	Condition			
Foundation	Piers	Poor			
Foundation (lower restroom)	Slab on grade	Good			
Basement and Crawl Space	None				

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

• Four of the five Camp buildings are built on loose block piers. The buildings have settled, and the structures have been affected. It is recommended to jack the structures, straighten floors and install code compliant footings.

6.2. Superstructure

Building Superstructure					
Item	Description	Condition			
Framing / Load-Bearing Walls	Conventional wood/metal studs	Fair			
Ground Floor	Raised wood	Fair			
Upper Floor Framing					
Upper Floor Decking					
Roof Framing	Wood rafters	Fair			
Roof Decking	Wood sheathing	Fair			

Anticipated Lifecycle Replacements:

No components of significance

Actions/Comments:

• The superstructure is exposed in some locations, which allows for limited observation. Some of the Walls and floors appear to be out of plumb and level. Four of the five Camp buildings are built on loose block piers. The buildings have settled, and the structures have been affected. It is recommended to jack the structures and straighten floors, walls and roof ridges. Refer to section 6.1.




6.3. Roofing

Caretakers Roof				
Type / Geometry	Gable Roof	Finish	Asphalt shingles	
Maintenance	In-house Staff	Roof Age	22 Yrs.	
Flashing	Sheet metal	Warranties	None	
Parapet Copings	None	Roof Drains	Edge drainage to ground	
Fascia	None	Insulation	None	
Soffits	None	Skylights	Yes	
Attics	Wood joists with plywood sheathing	Ponding	No	
Ventilation Source-1	Gable vents	Leaks Observed	Yes	
Ventilation Source-2	Soffit vents	Roof Condition	Poor	

Anticipated Lifecycle Replacements:

- Asphalt shingles
- Skylight at Caretaker

Actions/Comments:

• The Caretakers Residence roof is leaking and there are decayed wood boards at the eaves. Recommend replacing affected sheathing in conjunction with roof shingles replacement.

6.4. Exterior Walls

Building Exterior Walls			
Type Location Condition			
Primary Finish	Wood siding	Fair	
Secondary Finish	Painted CMU	Fair	
Accented with Wood trim		Fair	
Soffits	Exposed	Fair	

Building sealants (caulking) are located between dissimilar materials, at joints, and around window and door openings.

Anticipated Lifecycle Replacements:

Exterior paint



Actions/Comments:

• Some damaged wood trim finishes must be repaired or replaced. This work is considered maintenance and can be performed in conjunction with the exterior painting costs.

6.5. Exterior and Interior Stairs

Building Exterior and Interior Stairs						
Туре	Type Description Riser Handrail Balusters Condition					
Building Exterior Stairs	Wood-framed	Open	Wood	None	Fair	
Building Exterior Stairs	Wood-framed	Open	Wood	None	Poor	
Building Interior Stairs	None	None	None	None		

Anticipated Lifecycle Replacements:

Replace wood stairs including railing

Actions/Comments:

- The Caretaker Residence wood stairs at the rear deck do not have balusters. It is recommended to install handrail/guardrail at deck and stairs that meet code.
- The Lady's Building stairs has settled and has created an uneven surface at the entrance and requires replacement.

6.6. Exterior Windows and Doors

Building Windows					
Window Framing Glazing Location Window Screen Condition					
Wood framed, operable Single glaze Exterior wall Image: Control operation Fair					

Building Doors				
Main Entrance Doors	Door Type	Condition		
	Solid core wood	Fair		
Secondary Entrance Doors	Metal, hollow	Fair		

Anticipated Lifecycle Replacements:

- Windows
- Exterior doors

Actions/Comments:

 The Caretakers windows are missing glazing, have rotten wood sills and are single pane units, recommend refurbishing or replacing units.





• The Men's Building exterior wood doors are deteriorated and do not operate properly, recommend replacing.

6.7. Patio, Terrace, and Balcony

Building Patio, Terrace and Balcony				
Туре	Description	Location	Condition	
Ground Floor Patio	Wood porch or deck	Caretakers Residence	Fair	
Upper Balcony Structure	None			
Balcony Decks	None			
Balcony Deck Toppings	None			
Balcony Guardrails	None			

Anticipated Lifecycle Replacements:

- Deck boards replacement
- Deck railing replacement

Actions/Comments:

• No significant actions are identified at the present time. On-going periodic maintenance is highly recommended. Future lifecycle replacements of the components listed above will be required.



7. Building Mechanical and Plumbing Systems

7.1. Building Heating, Ventilating, and Air Conditioning (HVAC)

Individual Units			
Primary Components	Electric baseboards		
Cooling (if separate from above)	None; no cooling		
Quantity and Capacity Ranges	2		
Total Heating or Cooling Capacity	Unknown		
Heating Fuel	Electric		
Location of Equipment	Throughout interior spaces		
Space Served by System	Entire building		
Age Ranges	1990		
Primary Component Condition	Fair		

Controls and Ventilation			
HVAC Control System			
HVAC Control System Condition			
Building Ventilation	Natural ventilation only		
Ventilation System Condition Fair			

Anticipated Lifecycle Replacements:

Electric baseboard heaters

Actions/Comments:

• No significant actions are identified at the present time. On-going periodic maintenance is highly recommended. Future lifecycle replacements of the components listed above will be required.

7.2. Building Plumbing and Domestic Hot Water

Building Plumbing System				
Type Description Condition				
Water Supply Piping	Copper Fair			
Waste/Sewer Piping	Cast iron Fair			
Vent Piping	Cast iron Fair			
Water Meter Location	unknown			





Domestic Water Heaters or Boilers			
Components	Water Heater		
Fuel	Electric		
Quantity and Input Capacity	2 unit at 4500 watts		
Storage Capacity	30 gallons		
Boiler or Water Heater Condition	Fair		
Supplementary Storage Tanks?	No		
Storage Tank Quantity & Volume			
Quantity of Storage Tanks			
Storage Tank Condition			
Domestic Hot Water Circulation Pumps (3 HP and over)	No		
Adequacy of Hot Water	Adequate		
Adequacy of Water Pressure	Adequate		

Plumbing Fixtures			
Water Closets	Commercial		
Toilet (Water Closet) Flush Rating	1.6 GPF		
Common Area Faucet Nominal Flow Rate	1.6 GPM		
Condition	Fair		

Anticipated Lifecycle Replacements:

- Water heater
- Toilets
- Sinks
- Vanity
- Bathtub
- Toilet partitions

Actions/Comments:

- The plumbing systems appear to be well maintained and functioning adequately. The water pressure appears to be sufficient. No significant repair actions or short-term replacement costs are required. Routine and periodic maintenance is recommended. Future lifecycle replacements of the components or systems listed above will be required.
- The Caretakers Residence bathroom vanity is in poor condition and should be replaced.
- The Camp does not have a backflow preventer for domestic water supply, recommend installing one.

7.3. Building Gas Distribution

No gas on site.





7.4. Building Electrical

Building Electrical Systems				
Electrical Lines	Overhead	Transformer	Pole-mounted	
Main Service Size	100 Amps	Volts	120/240 Volt, single-phase	
Meter & Panel Location	Building interiors	Branch Wiring	Copper	
Conduit	Metallic	Step-Down Transformers?	No	
Security / Surveillance System?	No	Building Intercom System?	No	
Lighting Fixtures	T-12			
Main Distribution Condition	Fair			
Secondary Panel and Transformer Condition				
Lighting Condition	Fair			

Anticipated Lifecycle Replacements:

- Circuit breaker panels
- Interior light fixtures
- Distribution wiring

Actions/Comments:

- The onsite electrical systems up to the meter are owned and maintained by the respective utility company.
- The electrical service and capacity appear to be adequate for the property's demands.
- The electrical components within the multiple buildings, including the circuit breaker panels, and wiring, vary in age. The electrical components are upgraded as needed throughout the site.
- The light fixtures throughout most of the facility utilize older, inefficient T-12 lamps. Replacement with newer fixtures with electronic ballasts and T-8 lamps is highly recommended to save substantial amounts of energy.
- The Main Buildings electrical panel have older screw type fuses, recommend upgrading panel.

7.5. Building Elevators and Conveying Systems

Not applicable. There are no elevators or conveying systems.

7.6. Fire Protection and Security Systems

Item	Description								
Туре	None								
Fire Alarm System	Central Alarm Panel		Battery-Operated Smoke Detectors		Alarm Horns				





Item	Description								
Туре	None								
	Annunciator Panels		Hard-Wired Smoke Detectors		\boxtimes	Strobe Light Alarms			
	Pull Stations		ncy Battery-Pack Lighting		\boxtimes	Illuminated EXIT Signs			
Alarm System Condition				F	air				
	None	\boxtimes	Sta	Standpipes			Backflow Preventer		
Sprinkler System	Hose Cabinets Fire Pumps		mps		Siamese Connections				
Suppression Condition						•			
Central Alarm Panel	Location of Ala	anel	Installation Date of Alarm Panel						
System	None								
Fire Extinguishers	Last Servic	e			Servicing Current?				
	None								
Hydrant Location		On M	emorial drive	e adja	acent to the	Main E	Building		
Siamese Location	None								
Special Systems	Kitchen Suppressio	tem		Computer Room Suppression System					

Anticipated Lifecycle Replacements:

- Smoke detectors
- Emergency Lights

Actions/Comments:

• No significant actions are identified at the present time. On-going periodic maintenance is highly recommended. Future lifecycle replacements of the components listed above will be required.



8. Interior Spaces

8.1. Interior Finishes

The facility is used as a camp ground, beach, and playground for the City of Salem Parks Department.

The most significant interior spaces include outdoor and indoor gathering spaces. Supporting areas include restrooms, playground and picnic areas.

Typical Floor Finishes						
Floor Finish	General Condition					
Hardwood	Caretakers Residence, Men's and Lady's Buildings, Main Building	Fair				
Painted/sealed concrete	Fair					
Sheet vinyl	Fair					
Typical Wall Finishes						
Wall Finish Locations		General Condition				
Painted drywall Caretakers Residence, Men's and Lady's Buildings, Main Building		Fair				
Painted CMU	Fair					
	Typical Ceiling Finishes					
Ceiling Finish Locations		General Condition				
Exposed structure Men's, Lady's, Main and Lower Restroom Buildings		Fair				
Painted drywall	Fair					

Interior Doors						
Item	Туре	Condition				
Interior Doors	Wood and metal	Fair				
Door Framing	Wood and metal	Fair				
Fire Doors	No					

Anticipated Lifecycle Replacements:

- Interior doors
- Interior paint
- Wood floor refinish
- Interior wall paneling



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Carpet replacement

Actions/Comments:

• The Caretakers Residence has a carpet overlaid on top of poor vinyl tile flooring. Recommend removing layers of flooring and installing a sanitary washable floor finish.

8.2. Commercial Kitchen & Laundry Equipment

Not applicable.



9. Other Structures

Not applicable.



10. Certification

Dude Solutions Inc. retained EMG to perform this Facility Condition Assessment in connection with its continued operation of Camp Naumkeag at 85 Memorial Drive, Salem, MA, the "Property". It is our understanding that the primary interest of the City of Salem is to locate and evaluate materials and building system defects that might significantly affect the value of the property and to determine if the present Property has conditions that will have a significant impact on its continued operations.

The conclusions and recommendations presented in this report are based on the brief review of the plans and records made available to our Project Manager during the site visit, interviews of available property management personnel and maintenance contractors familiar with the Property, appropriate inquiry of municipal authorities, our Project Manager's walk-through observations during the site visit, and our experience with similar properties.

No testing, exploratory probing, dismantling or operating of equipment or in-depth studies were performed unless specifically required under Section <u>2</u> of this report. This assessment did not include engineering calculations to determine the adequacy of the Property's original design or existing systems. Although walk-through observations were performed, not all areas were observed (See Section <u>4.2</u> for areas observed). There may be defects in the Property, which were in areas not observed or readily accessible, may not have been visible, or were not disclosed by management personnel when questioned. The report describes property conditions at the time that the observations and research were conducted.

This report has been prepared on behalf of and exclusively for the use of the City of Salem for the purpose stated within Section 2 of this report. The report, or any excerpt thereof, shall not be used by any party other than the City of Salem or for any other purpose than that specifically stated in our agreement or within Section 2 of this report without the express written consent of EMG.

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11. Appendices

- Appendix A: Photographic Record
- Appendix B: Site Plan
- Appendix C: EMG Accessibility Checklist



Appendix A: Photographic Record













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Appendix B: Site Plan





Appendix C: EMG Accessibility Checklist



Date Completed: March 19, 2018

Property Name: Camp Naumkeag

EMG Project Number: 130200.18R000-014.322

	Building History	Yes	No	Unk	Comments
1	Has an ADA survey previously been completed for this property?			x	
2	Have any ADA improvements been made to the property?		x		
3	Does a Transition Plan / Barrier Removal Plan exist for the property?			x	
4	Has building ownership or management received any ADA related complaints that have not been resolved?			x	
5	Is any litigation pending related to ADA issues?			x	
	Parking	Yes	No	NA	Comments
1	Are there sufficient accessible parking spaces with respect to the total number of reported spaces?		x		
2	Are there sufficient van-accessible parking spaces available?		x		None marked
3	Are accessible spaces marked with the International Symbol of Accessibility? Are there signs reading "Van Accessible" at van spaces?		x		
4	Is there at least one accessible route provided within the boundary of the site from public transportation stops, accessible parking spaces, passenger loading zones, if provided, and public streets and sidewalks?		x		
5	Do curbs on the accessible route have depressed, ramped curb cuts at drives, paths, and drop-offs?			x	No curbs
6	If required does signage exist directing you to accessible parking and an accessible building entrance?		x		
	Ramps	Yes	No	NA	Comments
1*	Do all ramps along accessible path of travel appear to meet slope requirements? (1:12 or less)	x			
2	Are ramps that appear longer than 6 ft complete with railings on both sides?	x			

	Ramps (cont.)	Yes	No	NA	Comments
3	Does the width between railings appear at least 36 inches?	x			
4	Is there a level landing for approximately every 30 ft horizontal length of ramp, at the top and at the bottom of ramps and switchbacks?		x		
	Entrances/Exits	Yes	No	NA	Comments
1	Do all required accessible entrance doorways appear at least 32 inches wide and not a revolving door?	x			
2	If the main entrance is inaccessible, are there alternate accessible entrances?			x	Main entrance is accessible
3	Is the door hardware easy to operate (lever/push type hardware, no twisting required and not higher than approximately 48 inches above the floor)?		x		
	Paths of Travel	Yes	No	NA	Comments
1	Are all paths of travel free of obstruction and wide enough for a wheelchair (appear at least 36 inches wide)?	x			
2	Are wheelchair-accessible facilities (toilet rooms, exits, etc.) identified with signage?		x		
3	Is there a path of travel that does not require the use of stairs?	x			
	Elevators	Yes	No	NA	Comments
1	Do the call buttons have visual and audible signals to indicate when a call is registered and answered when car arrives?			x	
2	Are there visual and audible signals inside cars indicating floor change?			x	
3	Are there standard raised and Braille marking on both jambs of each hoist way entrance as well as all cab/call buttons?			x	
4	Do elevator doors have a reopening device that will stop and reopen a car door if an object or a person obstructs the door?			x	
5	Are elevator controls low enough to be reached from a wheelchair (appears to be between 15 and 48 inches)?			x	
6	If a two-way emergency communication system is provided within the elevator cab, is it usable without voice communication?			x	

	Toilet Rooms	Yes	No	NA	Comments
1	Are common area public restrooms located on an accessible route?		x		
2	Are pull handles push/pull or lever type?		x		
3	Are there audible and visual fire alarm devices in the toilet rooms?		x		
4	Are toilet room access doors wheelchair- accessible (appear to be at least 32 inches wide)?	x			
5	Are public restrooms large enough to accommodate a wheelchair turnaround (appear to have 60" turning diameter)?	x			
6	In unisex toilet rooms, are there safety alarms with pull cords?		x		
7	Are toilet stall doors wheelchair accessible (appear to be at least 32" wide)?	x			
8	Are grab bars provided in toilet stalls?		x		
9	Are sinks provided with clearance for a wheelchair to roll under (appear to have 29" clearance)?	x			
10	Are sink handles operable with one hand without grasping, pinching or twisting?		x		
11	Are exposed pipes under sink sufficiently insulated against contact?		x		
	Guest Rooms	Yes	No	NA	Comments
1	How many total accessible sleeping rooms does the property management report to have? Provide specific number in comment field. Are there sufficient reported accessible sleeping rooms with respect to the total number of reported guestrooms? See attached hot sheet.			x	

	Guest Rooms	Yes	No	NA	Comments
2	How many of the accessible sleeping rooms per property management have roll- in showers? Provide specific number in comment field. Are there sufficient reported accessible rooms with roll-in showers with respect to the total number of reported accessible guestrooms? See attached hot sheet.			x	
3	How many assistive listening kits and/or rooms with communication features are available per property management? Provide specific number in comment field. Are there sufficient reported assistive listening devices with respect to the total number of rooms? See attached hot sheet.			x	
	Pools	Yes	No	NA	Comments
1	Are public access pools provided? If the answer is no, please disregard this section.			x	
2	How many accessible access points are provided to each pool/spa? Provide number in comment field. Is at least one fixed lift or sloped entry to the pool provided?			x	
	Play Area	Yes	No	NA	Comments
1	Has the play area been reviewed for accessibility? All public playgrounds are subject to ADAAG standards.		x		
	Exercise Equipment	Yes	No	NA	Comments
1	Does there appear to be adequate clear floor space around the machines/equipment (30" by 48" minimum)?			x	

*Based on visual observation only. The slope was not confirmed through measurements.