



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

To: Catie Cullison
PBR Hawaii, Inc.

Date: January 10, 2019

Project: 820 Isenberg Redevelopment Plan

FAI Project No: #17025

Subject: Stadium Bowl-O-Drome Character-Defining Features Report

Introduction and Scope

Majority of the items in the Stadium Bowl-O-Drome are considered character-defining features due to their presence in the original structure, built in 1955, and their ability to convey the historic character of the building and site. Although installations of these items are not dated, it is apparent which items are from the 1960s era, and presumably a part of the original structure. Few of the items noted as salvageable are considered modern bowling equipment, or replacements. This list of potentially salvageable historic items has been compiled for Department of Hawaiian Homelands' (Client) consideration in the planning of the 820 Isenberg Redevelopment Project. Feasibility and cost shall be determined by Client and project planning team. Individually salvaged items may act as an educational component detailing the history of the building and should be considered for incorporation in the future DHHL 820 Isenberg Redevelopment Project.



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Item Summary

Figure No.	Item	Item Era
Figure 1	Stadium Chairs	1950s /1960s era
Figure 2	Bowler's Bench Seating	1950s /1960s era
Figure 3	Bowling Ball Racks	1950s /1960s era
Figure 4	"History of Bowling" Mural	1950s /1960s era
Figure 5	Wooden Lockers	1950s /1960s era
Figure 6	Metal Lockers	Modern Bowling Equipment
Figure 7	Custom Wrought Iron Railings	1950s /1960s era
Figure 8	Bowling Pins and Semi-Automatic Pinsetters	1950s /1960s era
Figure 9	Bowling Balls	Modern Bowling Equipment
Figure 10	Bowling Lanes	1950s /1960s era or 1980s
Figure 11.1	Scorer Tables (Orange)	1950s /1960s era
Figure 11.2	Scorer Tables (Beige)	Modern Bowling Equipment
Figure 12	Bowling Ball Returns	1950s /1960s era
Figure 13	Neon Building Signage	1950s /1960s era
Figure 14	Business License	Date Unconfirmed
Figure 15	Coca-Cola/ Rental Sign	1950s /1960s era
Figure 16	Lighting and Audio Equipment	1950s /1960s era
Figure 17	Photo Album	1950s /1960s era
Figure 18	Japan Bowling Congress Trophy	1950s /1960s era
Figure 19	Rental Bowling Shoes	Modern Bowling Equipment

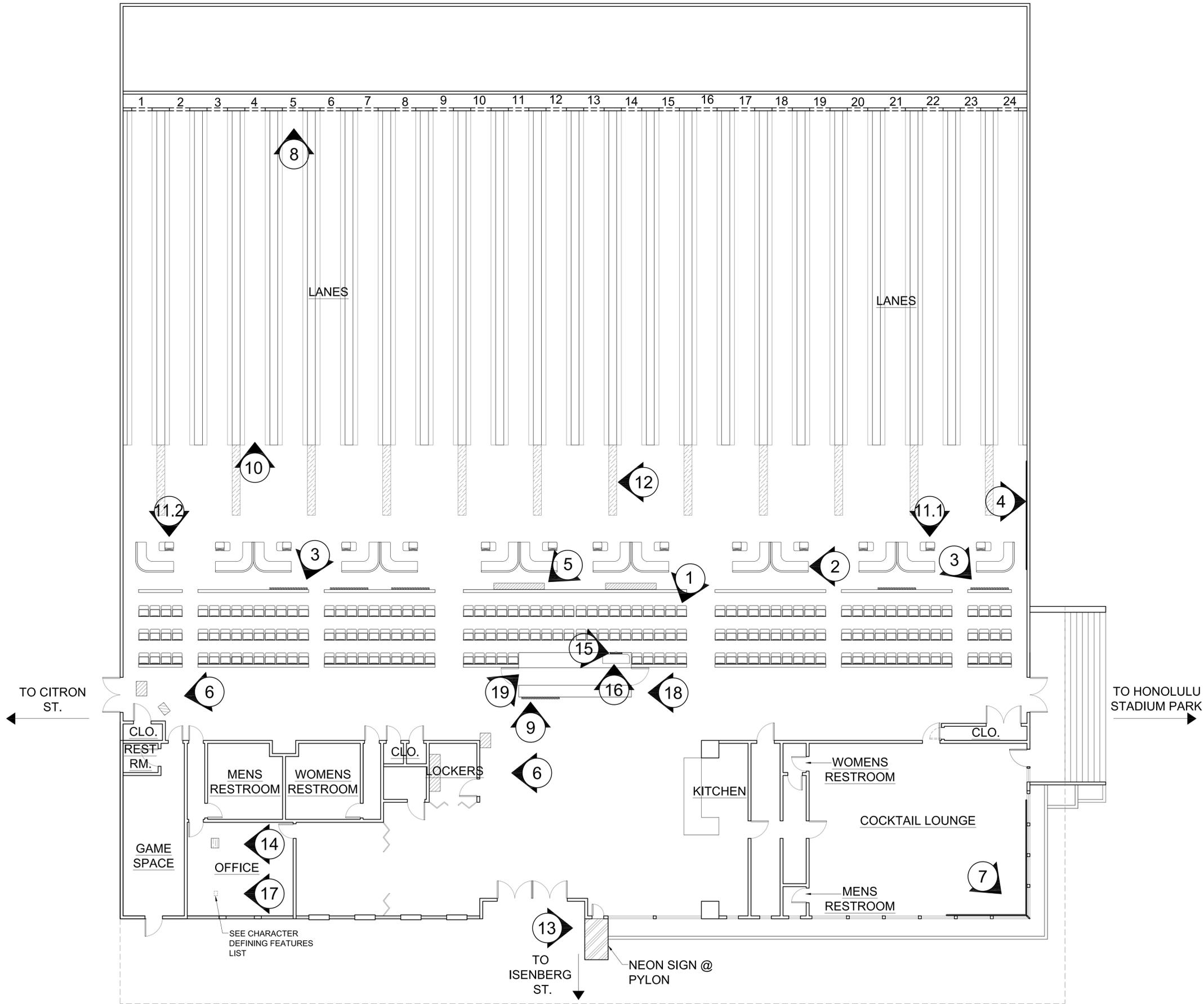


FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Notes

- See included map for more information regarding item location
- Items denoted as "1950s /1960s era" are probably related to the building's original construction period of 1955-1956.
- Mechanical Equipment requested by Maui Bowling Alley for DHHL's project planning



STADIUM BOWL-O-DROME CHARACTER-DEFINING FEATURES LIST	
FIGURE NO.	ITEM
1.	STADIUM CHAIRS
2.	BOWLER'S BENCH SEATING
3.	BOWLING BALL RACKS
4.	"HISTORY OF BOWLING" MURAL
5.	WOODEN LOCKERS
6.	METAL LOCKERS
7.	CUSTOM WROUGHT IRON RAILINGS
8.	BOWLING PINS AND SEMI-AUTOMATIC PINSETTERS
9.	BOWLING BALLS
10.	BOWLING LANES
11.1	SCORER TABLES (ORANGE)
11.2	SCORER TABLES (BEIGE)
12.	BOWLING BALL RETURNS
13.	NEON BUILDING SIGNAGE
14.	BUSINESS LICENSE
15.	COCA-COLA / RENTAL SIGN
16.	LIGHTING AND AUDIO EQUIPMENT
17.	PHOTO ALBUM (REMOVED FROM SITE; PBR IN POSSESSION)
18.	JAPAN BOWLING CONGRESS TROPHY
19.	RENTAL BOWLING SHOES

BOWL-O-DROME FLOOR PLAN - CHARACTER DEFINING FEATURES

SCALE: NOT TO SCALE





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 1: Stadium Chairs, 1950s /1960s era

Item Information:	
Item	Stadium Chairs
Character-Defining Feature	Yes
Current Condition	Good
Quantity	2 rows of 9, 6 rows of 4, 10 rows of 10
Dimensions	- 36" height, 20" width on center from arm rest to arm rest - Iconic "Brunswick" logo plate, 3" diameter
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Lobby seating 2) Covered courtyard seating 3) Auction item 4) Repurpose to make future users comfortable, reconfigure into personal and conversational seating
Notes	- See signage—keep all signage - Restoration/ refurbishing through termite treating, filling holes with spackle, sand and revarnish/ paint as needed. - Hardware appears fine and salvageable



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 2: Bowler's Bench Seating, 1950s /1960s era

Item Information:	
Item	Bowler's Bench Seating
Character-Defining Feature	Yes
Current Condition	Poor; all appear to have significant termite damage but may be restorable or recreated.
Quantity	6 sets of two
Dimensions	- 6'-6" width parallel to lanes, 9'-0" width perpendicular to lanes - "Brunswick" logo plate, 3" diameter
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Iconic bench logo plates could be salvaged for a creative re-use purpose 2) Benches could be recreated for seating
Notes	- L. Ruby indicates experience in refurbishing old Honolulu Stadium seats and may be consulted as needed. - Possible re-creation of a bowling vignette: - Refurbishing at least one U shaped setting with bowling ball return, scorer table, and 2 bowling lanes (functioning or not) - Restoration treatment will be the same as Figure 1



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 3: Bowling Ball Rack, 1950s /1960s era

Item Information:	
Item	Bowling Ball Rack
Character-Defining Feature	Yes
Current Condition	Poor; all appear to have significant termite damage, but may be restorable or recreated
Quantity	6
Dimensions	- 3'-0" height, 6'-6" length, 3½" width - Iconic logo: 4" inner diameter with 1½" wide recessed perimeter, 6" total diameter
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Iconic logo could be salvaged for a creative re-use purpose 2) Bench display
Notes	- Bowling balls in good condition to be saved



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 4: "History of Bowling" Mural, 1950s /1960s era

Item Information:	
Item	"History of Bowling" Mural
Character-Defining Feature	Yes
Current Condition	Poor; peeling and graffiti/vandalism damage
Quantity	1
Dimensions	Intact portion of the mural measures 18'-6" width x 14'-14" floor-to-ceiling height
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	<ol style="list-style-type: none"> 1) May be partly salvageable, depending on assessment by conservators (separate document provided by Pace Art Conservation January 2019) 2) Possible reproduction of original mural based on 3657x2500 high resolution photographs. (HABS photographic documentation available) 3) Reprint image on partitions, apart from wall 4) Reprint image on posters, textiles, or other displays 5) Life-size reproduction panels for common area, if removal and reinstallation is too expensive (Quality photograph taken by Hal Lum)
Notes	<ul style="list-style-type: none"> - Contributes to the establishment's original Hawaiian motif and atmosphere. - Painted by Jacquelyn "Jackie" Anderson - The left side of the mural can be saved, sandwiched, transported to storage, and reinstalled into new development; however, this is anticipated to be costly (see cost estimate provided by Pace Art Conservation January 2019)



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 5: Wooden Lockers, 1950s /1960s era

Item Information:	
Item	Wooden Lockers
Character-Defining Feature	Yes
Current Condition	Good
Quantity	2
Dimensions	42" height, 8'-8" length. 13" depth
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Display case for Stadium Bowl-O-Drome items 2) Product storage or display for possible commercial opportunities



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 6: Metal Lockers, Modern Bowling Equipment

Item Information:	
Item	Metal Lockers
Character-Defining Feature	Yes
Current Condition	Good; some affected by graffiti/vandalism but could be repainted
Quantity	- Two panel, red: 3 - Two panel, beige: 1 - Single standalone, red curved: 2
Dimensions	- Two panel: 72" height, 30" width, 22" depth - Single standalone: 72" height, 15" width, 22" depth
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Display case for Stadium Bowl-O-Drome items 2) Product storage or display for possible commercial opportunities
Notes	- "Brunswick" logo on all two panel locker units



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 7: Custom Wrought Iron Railings, 1950s /1960s era

Item Information:	
Item	Custom Wrought Iron Railings
Character-Defining Feature	Yes
Current Condition	Good
Quantity	7 railing sections
Dimensions	- Single section: 43" height, 52" length on center - North side railing: 19'-8" overall length - East side railing: 13'-8" overall length
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Partition to designate displays 2) Partition for thematic café or ground floor commercial opportunity 3) Outdoor decorative railing
Notes	- Railings in the cocktail lounge are particularly unique and feature a bowling pin and ball silhouette on each railing section. High possibility for salvage and architectural re-use opportunity.



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 8: Bowling Pins and Semi-Automatic Pinsetters, 1950s /1960s era

Item Information:	
Item	Bowling Pins and Semi-Automatic Pinsetters
Character-Defining Feature	Yes
Current Condition	Good
Quantity	1 pinsetter of 10 pins per lane
Dimensions	Unknown
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	<ol style="list-style-type: none">1) Display item2) Auction item (pinsetters)3) Bookends4) Table legs
Notes	<ul style="list-style-type: none">- All bowling pins may be saved as is or repurposed in lobby design- Pinsetter equipment may or may not be operational and components should be verified by others if desired for re-use.



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 9: Bowling Balls, Modern Bowling Equipment

Item Information:	
Item	Bowling Balls
Character-Defining Feature	Yes
Current Condition	Good / Varies; some may not be salvageable
Quantity	Varies
Dimensions	Varies
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Display item 2) Auction item 3) Incorporate into bench seating
Notes	- "Brunswick" & "Bowl-O-Drome" engraving - All good bowling balls may be kept



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 10: Bowling Lanes, 1950s /1960s era or 1980s

Item Information:	
Item	Bowling Lanes
Character-Defining Feature	Yes
Current Condition	Good
Quantity	24
Dimensions	59" width; 60'-0" length from foul line to the head pin
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	<ol style="list-style-type: none">1) Wall cladding2) Flooring3) Lobby or commercial greeting desk4) Salvage for construction projects5) Donate to Re-Use Hawaii6) Auction item7) Coffee table8) Counter surface
Notes	<ul style="list-style-type: none">- Originally maple wood lanes as opposed to modern synthetic or laminate lanes of the 1990s. It is unknown at this time if the original wood had been replaced with synthetic material, but should be investigated along with an inspection for possible termite damage.- Number of salvageable lanes to be determined.- Possible re-creation of a bowling vignette:<ul style="list-style-type: none">- At least 2 lanes should be salvaged and reinstalled in the DHHL building, along with at least one U shaped setting with bowling ball return, and scorer table (functioning or not)



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 11.1: Scorer Tables (Orange), 1950s /1960s era

Item Information:	
Item	Scorer Tables
Character-Defining Feature	Yes
Current Condition	Varies; metal components intact / wooden tabletops have significant termite damage and may need to be recreated
Quantity	9 orange (original)
Dimensions	30" height to tabletop, 56" height overall Wooden tabletop: 41" width, 23" depth
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Refurbishment, replace wooden tabletop and electrical components
Notes	<ul style="list-style-type: none">- "Brunswick" logo and detailing- Possible re-creation of a bowling vignette:<ul style="list-style-type: none">- Configure at least one U shaped setting with bowling ball return, scorer table, and 2 bowling lanes (functioning or not)- Tape residue should be removed from orange scorer table- Electrical components are assumed to be non-operational and components should be verified by others if desired for re-use.



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 11.2: Scorer Tables (Beige), Modern Bowling Equipment

Item Information:	
Item	Scorer Tables
Character-Defining Feature	Yes
Current Condition	Varies; metal components intact / wooden tabletops have significant termite damage and may need to be recreated
Quantity	3 beige (replacement)
Dimensions	30" height to tabletop, 56" height overall Wooden tabletop: 41" width, 23" depth
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Refurbishment, replace wooden tabletop and electrical components
Notes	<ul style="list-style-type: none">- "Brunswick" logo and detailing- Possible re-creation of a bowling vignette:<ul style="list-style-type: none">- Configure at least one U shaped setting with bowling ball return, scorer table, and 2 bowling lanes (functioning or not)- Tape residue should be removed from orange scorer table- Electrical components are assumed to be non-operational and components should be verified by others if desired for re-use.



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 12: Bowling Ball Return, 1950s /1960s era

Item Information:	
Item	Bowling Ball Return
Character-Defining Feature	Yes
Current Condition	Good
Quantity	12 bowling ball returns
Dimensions	22" height
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Shelving 2) Display item 3) Set up as a bowling vignette
Notes	- There appears to be a joint where return equipment meets gutter at the edge of lane, for detachment purposes - Possible re-creation of a bowling vignette: - Refurbish at least one U shaped setting with bowling ball return, scorer table, and 2 bowling lanes (functioning or not)



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 13: Neon Building Signage, 1950s /1960s era

Item Information:	
Item	Neon Building Signage
Character-Defining Feature	Yes
Current Condition	Fair; portions and letters missing and would need to be recreated
Quantity	1 "BOWLING" double-sided vertical sign, 2 bowling figure signs, one male one female, 2 "STADIUM Bowl-O-Drome" signs
Dimensions	- "BOWLING": approx. 2'-0" wide x 8'-0" high? - MAN + "Bowl-O-Drome": approx. 20'-0" wide lettering x 4'-0" high
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment	1) Display item
Notes	<ul style="list-style-type: none">- All neon signage to be saved- Signs likely made by Bozo Sugimura- Neon lighting components likely need to be replaced but should be verified by others if desired for re-use.- Lighting components could be changed or modified to LED energy saving components instead.- Some letters from the "Bowl-O-Drome" sign are missing, but could be pieced together with what remains on the other side of the pylon.- North side: "Bowl-O-D" letters extant.- South side: "rome" and complete bowling figure extant.



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 14: Business License, Date Unconfirmed

Item Information:	
Item	Business License
Character-Defining Feature	Yes
Current Condition	Good
Quantity	1
Dimensions	Framed: 16" width x 20" length
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Display item
Notes	- Framed business license located in the office



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 15: Coca-Cola/ Rental Sign, 1950s /1960s era

Item Information:	
Item	Coca-Cola/ Rental Sign
Character-Defining Feature	Yes
Current Condition	Good
Quantity	1
Dimensions	Approx. 2'-0" width x approx. 3'-0" height
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Display item 2) Auction item



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 16: Lighting/Audio Equipment, 1950s /1960s era

Item Information:	
Item	Lighting/ Audio Equipment
Character-Defining Feature	Yes
Current Condition	Good
Quantity	1
Dimensions	4" base height, 15" total height, 55" total length, 19 ¼" total depth
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Auction item 2) Front counter top and bins for shoes could be kept and used as a lobby registration desk/ welcome counter
Notes	- Original equipment with "Brunswick" logos - Lighting and Audio equipment may or may not be operational and components should be verified by others if desired for re-use.



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

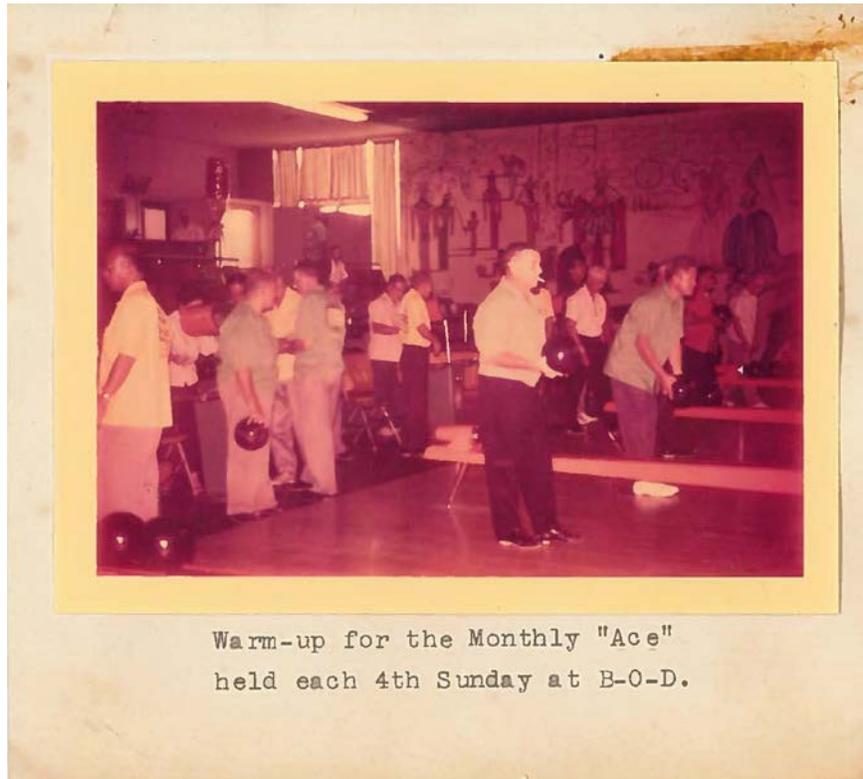
Figure 17: Photo Album, 1950s /1960s era

Item Information:	
Item	Photo Album
Character-Defining Feature	Yes
Current Condition	Good
Quantity	1 album
Dimensions	7" x 9.5"
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment	1) Display item 2) Reprint on cards, or other displays
Notes	<ul style="list-style-type: none"> - Previously located on top of the desk in the manager's office. Has since been removed from the site by salvage team on 11/27/18 (with PBR). - Leather bound, old-fashioned paper page photo album - Photos glued to pages - Most photos in color, somewhat faded - Actions to clean photos: <ul style="list-style-type: none"> ➤ First, document the book and images through photographs, with minimal disturbance ➤ Remove initial dust layer <ul style="list-style-type: none"> - Air cleaner - Soft brush with vacuum - Soot sponges ➤ Clean as needed using the archival PEC-12 emulsion cleaner with non-abrasive pad <ul style="list-style-type: none"> - Stop if emulsion layer is compromised



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 18: Japan Bowling Congress Trophy, 1950s /1960s era

Item Information:	
Item	Japan Bowling Congress Trophy
Character-Defining Feature	Yes
Current Condition	Good
Quantity	1 trophy
Dimensions	n/a
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Display item 2) Auction item
Notes	- Inscriptions: - JBC logo, Japanese writing - "In Memory of Goodwill Tour of Japan" - "January 1964" - "Japan Bowling Congress"



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Figure 19: Rental Bowling Shoes, Modern Bowling Equipment

Item Information:	
Item	Rental Bowling Shoes
Character-Defining Feature	Yes
Current Condition	Good
Quantity	Unknown
Dimensions	n/a
Suggestions For Future Use in DHHL 820 Isenberg Redevelopment Project	1) Display items 2) Auction items



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors





FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

Summary:

The Stadium Bowl-O-Drome is significant for its association with the history of bowling on Oahu and of local bowling alley architecture of the 1950s. As one of four remaining post-war bowling alley structures extant on Oahu, majority of the items in the Stadium Bowl-O-Drome are presumed to be from the 1950s /1960s, maintaining their association with the original structure on the site. Certain items recall the history of the sport on an international level while others do so on a unique local level. This is seen in the various bowling equipment that can be traced back to the manufacturer and approximate date of production, such as the automated pin setters which Brunswick began producing in 1955, and in the mural painted in an amateur regional style by local artist Jackie Anderson, which depicts a fictional scene of Hawaiians bowling.

Recommendations:

- Abatement of hazardous materials on all salvaged items as directed by an abatement professional.
- Implementing salvageable items in the DHHL 820 Isenberg Redevelopment Project as display or interactive items to serve as educational components of the building's history.
- Re-create, replicate, or reprint unsalvageable or significantly deteriorated items that are historically associated with the building.
- Auction items related to the building's history.
- Repurpose or donate salvageable construction materials, such as bowling lane wood.
- Donate or sell salvageable mechanical equipment to active bowling alleys if possible.
- Evaluate mural for feasibility of conservation.
- Under HRS chapter 6E-8 and Section 106 of the National Historic Preservation Act, continue consultation with the State Historic Preservation Division as to the disposition of materials as potential mitigation and redevelopment of the Bowl-O-Drome site.