

# ACCESSIBILITY ASSESSMENT



**BUREAU  
VERITAS**

*prepared for*

**University of North Carolina at Chapel Hill**

Giles Horney Building | CB 1090 | 202C

103 Airport Drive

Chapel Hill, North Carolina 27599

Lindsay McManamon



## ADA TITLE II ASSESSMENT

OF

UNC Ackland Art Museum

101 South Columbia Street

Chapel Hill, North Carolina 27599

### PREPARED BY:

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### BUREAU VERITAS PROJECT #:

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### DATE OF REPORT:

*July 10, 2024*

### ON-SITE DATE:

*May 23, 2024*

**Bureau Veritas**

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# 1 EXECUTIVE SUMMARY

## 1.1 SUMMARY OF FINDINGS

The Client contracted with Bureau Veritas to conduct a Title II Accessibility Assessment of UNC Ackland Art Museum. The purpose of this investigation and report is to provide the Client with accessibility recommendations concerning UNC Ackland Art Museum.

The site was visited on May 23, 2024. Weather conditions at the time of the on-site visit were clear, with temperatures in the 80s (°F) and negligible winds.

### SIGNIFICANT ISSUES:

Significant barriers to accessibility are present at the amenities listed below. The issues prevent full accessibility at the amenity and are the most substantial non-compliant elements. Additional barriers may be present at the amenity. Further compliant detail is provided in Section 2 and Appendix B of the report.

#### Exterior Accessible Routes

- Ramps 1, 2, 3, exceed the maximum slopes.
- Stairs have improper height or missing handrails.
- Accessible route has cross slopes exceeding 2.0%.

#### Interior

- Restrooms do not have wheelchair accessible stalls
- Wheelchair height drinking fountains have the spout mounted at 38" above the finish floor.
- Doors do not have the proper clearance on the pull side of the doors.
- Operable parts of devices are above 48".

It is the responsibility of the owner to assess the requirement for barrier removal under Title I Employment, Title II State and Local Government Services, Title IV Telecommunications, Title V Miscellaneous of the ADA to create an accessible environment. Not all physical barriers identified in this report may need to be corrected. Some barriers may be the responsibility of others or can be corrected through programmatic change. It is incumbent upon the owner to initiate a transition planning process to outline which barrier will be corrected and when correction should take place. For further explanation, see Section 1.4, Scope of Work.

Each area of concern observed and identified by Bureau Veritas is detailed in this report, which includes Bureau Veritas's scope and methodology; ADA elements reviewed; individual observation details with recommendations and order of magnitude estimated costs; site plans with observation location data; and supporting materials.

## 1.2 ACCESSIBILITY SUMMARY TABLE

Based on the onsite review, Bureau Veritas found that barriers to accessibility exist at UNC, Ackland Art Museum. The observed elements were analyzed using the 2010 ADA Standards for Accessible Design, state and local accessibility codes. The barriers are summarized in Section 2.1.

Bureau Veritas's assessment of the subject property identified the following areas of concern:

### UNC ACKLAND ART MUSEUM - TITLE II ACCESSIBILITY ASSESSMENT - ACCESSIBILITY SUMMARY

Facility/Building	Priority 1		Priority 2		Priority 3		Priority 4		Priority 5		Total	
	Est. Cost	Items	Est. Cost	Items	Est. Cost	Items	Est. Cost	Items	Est. Cost	Items	Est. Cost	Items
Ackland Art Museum	\$197,125	29	\$42,023	18	\$42,533	48	\$16,300	6			\$303,605	102
<b>Grand Total</b>	<b>\$197,125</b>	<b>29</b>	<b>\$42,023</b>	<b>18</b>	<b>\$42,533</b>	<b>48</b>	<b>\$16,300</b>	<b>6</b>			<b>\$303,605</b>	<b>102</b>

Order of magnitude costs to address those elements are described individually in Appendix B.

## 1.3 PURPOSE

The purpose of this report is to assist the Client in evaluating the compliance of certain exterior and interior elements with the requirements of Title II of the Americans with Disabilities Act (ADA) and applicable state and local codes and regulations.

## 1.4 SCOPE OF WORK

### ADA TITLE II ASSESSMENT

A Subject Matter Expert will visit the properties to assess the compliance of existing property improvements with the Title II provisions of the Americans with Disabilities Act (ADA) and applicable state requirements. Bureau Veritas then produces a report which identifies each facility's observed compliance issues and specific barriers, along with proposed remedies. Bureau Veritas endeavors to include all barriers within the defined scope of work area, however, some barriers may not be identified in the report. Bureau Veritas provides order of magnitude cost estimates directly associated with each barrier but does not provide engineered construction documents or construction cost estimates of barrier removal.

The field observer will review of the facility's common areas to observe and identify representative barriers to accessibility and formulate recommendations to remedy the physical barriers. As a part of the review, the field observer will meet with a property representative with specific knowledge of the facility to gain a clear understanding of overall features, public use patterns, and relevant historical data. The ADA covers both public areas and employee-only areas for Title II entities. For the purposes of this portfolio, only public, non-tenant owned features of the property will be subject to observation and will not include employee-only areas. Public, non-tenant areas will include but not be limited to, parking lots, sidewalks, access ramps, and exterior and interior common areas accessible to the public.

Title II entities are obligated to remove barriers under the requirements of the ADA as follows:

*Facilities constructed prior to January 26, 1992*— elements that do not comply with the 2010 ADA Standards are not required to be made compliant, unless alteration to those elements takes place. If elements are altered, then compliance with the 2010 Standards is required.

*Facilities constructed between January 26, 1992 and March 15, 2012* – were required to comply with 1991 ADA Standards when constructed. If full compliance with the 1991 ADA Standards was not achieved by March 15, 2012, then the facilities must comply with the 2010 Standards. If elements in compliance with the 1991 Standards were altered after March 15, 2012, then compliance with the 2010 Standards is required.

*Facilities constructed on March 15, 2012 to present*- new construction, additions and alterations must be fully compliant with the 2010 ADA Standards for Accessible Design.

### Alterations and Additions-

Additions and alterations undertaken at existing facilities are covered by the 2010 ADA Standards for Accessible Design. The extent of application is largely determined by a project's scope of work as the standards apply to those elements or spaces that are altered or added. Additional requirements apply to projects that affect or could affect the usability of, or access to, an area containing a primary function.

Alterations are defined in the standards as "a change in a building or facility that affects or could affect the usability of a building or facility or portion thereof." Many types of projects are covered as "alterations," including remodeling, renovation, rehabilitation, reconstruction, restoration, resurfacing of circulation paths or vehicular ways, and changes or rearrangement of structural parts, elements, or walls. Normal maintenance, reroofing, painting or wallpapering, or changes to mechanical and electrical systems are not considered alterations unless they affect a facility's usability. For example, a project limited to an HVAC system that includes the addition of thermostats would affect a facility's usability because it involves elements (operable parts) covered by the standards. The Department of Justice has determined that restriping of parking lots is considered an alteration of the parking facility.

The standards ensure that the opportunities for accessibility presented by an alteration are taken. How and to what extent the standards apply is determined by the scope of a project and the elements and spaces altered. Only those elements or spaces altered are required to comply, but alterations made to areas containing a primary function (a major activity for which a facility is intended) also require an accessible path of travel.

If alterations are limited only to elements in a room or space, then the standards apply only to the elements altered. Similarly, where spaces are altered, the standards apply to those spaces that are altered. If a room or space is completely altered (or built new as part of an alteration), the entire room or space is fully subject to the standards. Compliance is required to the extent that it is technically feasible.

Projects that increase, expand, or extend a facility's gross floor area or height of a facility are considered additions and must comply with the requirements of the standards applicable to new construction. Existing elements and spaces affected by an addition are treated as alterations and qualify for certain allowances or exceptions that are not permitted in new construction.

Compliance in an alteration is not required where it is "technically infeasible." The term is defined as "something that has little likelihood of being accomplished because existing structural conditions would require removing or altering a load-bearing member that is an essential part of the structural frame; or because other existing physical or site constraints prohibit modification or addition of elements, spaces, or features that are in full and strict compliance with the minimum requirements." Where technical infeasibility is encountered, compliance is still required to the maximum extent technically feasible.

## FIELD OBSERVATION PROCESS

The field observer will first review documents and information provided by the owner or owner's representative that could supplement the consultant's knowledge of the subject property's physical improvements, extent and type of use, and/or assist in identifying barriers to accessibility.

During the site visit, the field observer will utilize a Survey Form that meets or exceeds the current ADAAG format, and will utilize a digital level, measuring tape, pressure gauge and digital camera. The field observer will identify and prioritize observed existing improvements which are not in accordance with the applicable ADA requirements in the order of preference as set out by the DOJ and refined by Bureau Veritas per client preferences. Typical priorities are as follows:

- Physical access to the property
- Access to areas of commerce or public accommodation

The Bureau Veritas team will assess exterior common areas and interior common areas that are defined as areas of public accommodation. Bureau Veritas will identify existing conditions that are not in accordance with the ADA Accessibility Guidelines, including the elements specified below (if applicable, where landlord is responsible for observed elements):

- Passenger loading zones
- Parking: van and standard car accessible stalls, signage, and markings
- Exterior accessible routes, including travel on vehicular ways, sidewalks and paths
- Ground and floor surfaces
- Curb ramps and other ramps: size, distance, slope, rails and surface finishes
- Interior accessible routes
- Exterior and interior stairs which are part of the means of egress
- Elevators and platform lifts (wheelchair lifts)
- Entrances and exits to common areas
- Handrails and grab bars
- Space allowance and reach ranges
- Restrooms
- Alarms (visual and audible) and warnings
- Signage- Braille, and visual characters
- Public telephones
- Switches and outlets

## REPORT CONTENT

Bureau Veritas will deliver a consolidated AssetCalc™ database, which will be capable of exporting electronic (PDF) reports for each property surveyed which will include:

- Summary of Findings for all primary features (for example, parking stalls, curb ramps, paths of travel, restrooms);
- Individually recorded barriers
- Digital photos of observed barriers
- Geocode references for the location of observed exterior barriers
- Applicable ADA and state regulatory references
- Recommendations for viable corrective measures necessary to comply with regulations
- Order of magnitude cost estimates for each barrier

The estimates for the non-compliant items noted within this report are summarized in Section 2.1, and individual barrier details are provided in Appendix B.

## 1.5 HISTORIC AMENITIES

This property does not contain any amenities which are listed on the National Register of Historic Places or a state or local registry of historic elements.

## 1.6 BASIS FOR ORDER OF MAGNITUDE COSTS

Order of magnitude estimates are based on invoice or bid documents provided either by the Owner/facility and construction costs developed by construction resources such as *R.S. Means* and *Marshall & Swift*, Bureau Veritas's experience with past costs for similar properties, city cost indexes, and assumptions regarding future economic conditions. Typically, barrier removal allowances are based upon the removal of the specific element being evaluated (for example, parking stall, curb ramp, restroom). Architectural plans for renovation of areas requiring barrier removal or grading plans based on field surveys using land surveyor instrumentation could result in significantly different material quantities and subsequent higher project costs. Bureau Veritas has no control over the final scope of work, pricing methods, and costs associated with a contractor constructing the project. The opinion of estimated costs within this report cannot guarantee that the costs will accurately reflect the actual bids for construction.

## 1.7 CRITERIA FOR PRIORITY LEVELS

The scope of this assessment is limited to exterior site features and amenities, specifically accessible parking and exterior accessible pedestrian paths of travel to and from the amenities and features provided at each site. This includes parking, public transportation, retail, restaurant, office and industrial space, where applicable. As such, Bureau Veritas prioritized each of the captured barriers based on modified, published Department of Justice (DOJ) criteria focusing on the primary scope of work. Interior spaces such as common corridors, restrooms, kitchens and other interior elements along the common path of travel, such as water fountains, that are the responsibility of the property owner, are included.

The ADA also regulates employee work areas. Common corridors used by employees, employee restrooms, employee kitchens and employee break rooms are not considered "employee work areas." Those areas, even if used by employees only, shall comply with the ADA regulations which govern corridors, restrooms, kitchens and break rooms. The scope of this project does not include employee-only areas.

Per DOJ Guidelines, *people with disabilities should be able to arrive on the site, approach the building or facility and its amenities, and enter as freely as everyone else.*

### Priority 1:

**Accessible Van Parking** – Access to a facility begins with accessible parking. Van accessible parking is deemed an important barrier for parking. Those with the most severe disabilities tend to require a van accessible space to accommodate their vehicle and mobility device. In addition, a minimum number of van accessible spaces is required. Barriers associated with the compliance of a van accessible space include signage, restriping, constructing or reconfiguring the pavement to accommodate the required number of spaces.

**Accessible Car Parking** – Car accessible parking includes all barriers associated with the compliance of a car accessible space including signage, restriping, constructing or reconfiguring the pavement to accommodate the required number of accessible spaces.

**Accessible Approach and Entrances** – An entity providing accommodation to the public is required to take measures to provide access to a place of public accommodation from public sidewalks, parking, or public transportation. The DOJ and state building codes dictate the minimum width, cross and running slope, signage, and handrail requirements associated with pedestrian accessible routes of travel. These measures include, for example, installing an entrance ramp, correcting tripping hazards or lessening the slope of a curb ramp. At least one route of travel to each amenity or feature should be safe and accessible for everyone, including people with disabilities.

**Priority 2: Elements along the Accessible Route** – Barriers which occur along the path of travel shall be removed, where such a barrier removal is easily accomplishable. Examples include moving items within reach range, widening doors, installing accessible door hardware, and removing high-pile carpeting.

**Priority 3: Restroom Facilities** – Barrier removal may include widening of toilet stalls, installation of grab bars, replacement of sinks, and drinking fountains.

**Priority 4: Access to All Other Features and Amenities** – Measures are required to provide access to other areas. This priority is for items not required for basic access in the other three priorities.

**Priority 5: Employee-Only Areas** – Where employee-only areas are included in the assessment, employee only areas are designated as the lowest priority, as a method of placing public spaces as a higher priority for barrier removals.

## 2 ACCESSIBILITY

Generally, Title II of the Americans with Disabilities Act (ADA) prohibits discrimination by entities to access and use of the programs, services, and activities on the basis of disability. Regardless of their age, these areas and facilities must be maintained and operated to comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG), and applicable state and local accessibility regulations to the maximum extent possible for providing programmatic access.

The scope of the Accessibility Assessment, as defined in the scope of work, is limited to exterior and interior areas covered by the ADA, and applicable state and local accessibility codes.

### 2.1 BARRIER SUMMARY TABLE

The following table summarizes the barriers that were identified. The costs provided are order of magnitude estimates. Costs will vary depending upon the location and volume of work performed. Individual observation details may be found in Appendix B.







Id	Facility	Building	Assembly	Type	Barrier	Priority	Detail	Location	Description	ADA	Total
456201	Ackland Art Museum	EXTERIOR	Exterior Access Route	Stairs		1	Handrails are not compliant.	Stairs on Colombia Street S-1		ADA	\$12,240
456202	Ackland Art Museum	EXTERIOR	Exterior Access Route	Ramp		1	The ramp does not have a level landing at the top and/or bottom of each run.	Ramp R-1		ADA	\$6,325
456203	Ackland Art Museum	EXTERIOR	Exterior Access Route	Ramp		1	The ramp has a running slope in excess of 1:12 (8.33%) and/or cross slope in excess of 1:48 (2.08%).	Ramp R-1		ADA	\$29,975
456204	Ackland Art Museum	EXTERIOR	Exterior Access Route	Ramp		1	The ramp has a running slope in excess of 1:12 (8.33%) and/or cross slope in excess of 1:48 (2.08%).	Ramp R-1		ADA	\$35,970
456205	Ackland Art Museum	EXTERIOR	Exterior Access Route	Ramp		1	The ramp has a running slope in excess of 1:12 (8.33%) and/or cross slope in excess of 1:48 (2.08%).	Ramp R-2		ADA	\$7,194
456206	Ackland Art Museum	EXTERIOR	Exterior Access Route	Ramp		1	Handrails are not provided where the ramp rises more than 6" or are not compliant.	Ramp R-3		ADA	\$20,375
456207	Ackland Art Museum	EXTERIOR	Exterior Access Route	Stairs		1	Handrails are not compliant or are not provided.	Stairs on Colombia Street S-2		ADA	\$3,260
456208	Ackland Art Museum	EXTERIOR	Exterior Access Route	Stairs		1	Handrails are not compliant or are not provided.	Stairs to Basement S-3		ADA	\$6,520
456209	Ackland Art Museum	EXTERIOR	Exterior Access Route	Stairs		1	Handrails are not compliant or are not provided.	Stairs South Side. S-4		ADA	\$1,426
456210	Ackland Art Museum	EXTERIOR	Exterior Access Route	Stairs		1	Handrails are not compliant or are not provided.	Stairs to Basement South Side S-5		ADA	\$6,520
456211	Ackland Art Museum	EXTERIOR	Exterior Access Route	Stairs		1	Handrails are not compliant or are not provided.	Stairs to Basement East Side S-6		ADA	\$6,520

**Total Barriers: 102, Total Cost: \$303,605**



Id	Facility	Building	Assembly	Type	Barrier Priority	Detail	Location Description	ADA	Total
456302	Ackland Art Museum	SECOND FLOOR	Interior Access Route	Stairs	1	Handrails are not compliant.	Stair B	ADA	\$16,300
456303	Ackland Art Museum	SECOND FLOOR	Interior Access Route	Stairs	1	NORTH CAROLINA: The stair tread, at the leading 2" at the stair nosing, does not have a visual contrast of dark-on-light or light-on-dark distinguished from the remainder of the tread.	Stair B	IBC	\$4,875
456216	Ackland Art Museum	BASEMENT	Interior Access Route	Sink	2	The sink rim is higher than 34", and does not have knee and toe clearance (does not apply to mop basins, utility sinks, or bar sinks).	Room 14 Carpentry	ADA	\$900
456217	Ackland Art Museum	BASEMENT	Interior Access Route	Reach Range	2	Items that require a forward reach motion to an element are located over an obstruction that prohibits clear floor space beneath the element.	Room 14 Carpentry	ADA	\$116
456218	Ackland Art Museum	BASEMENT	Interior Access Route	Reach Range	2	Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.	Room 14 Carpentry	ADA	\$116
456219	Ackland Art Museum	BASEMENT	Common Areas	Dining And Work Surface	2	The dining or work surface does not have a minimum 28" and maximum 34" height with knee and toe clearance.	Room 14 Carpentry	ADA	\$3,970
456222	Ackland Art Museum	BASEMENT	Interior Access Route	Signage	2	The existing signage is not mounted at the latch side of the door or at a compliant height.	All Basemet Rooms	ADA	\$1,788
456223	Ackland Art Museum	BASEMENT	Interior Access Route	Door	2	The surface of the swinging door within 10 inches of the finish floor or ground for the full width of the door on the push side is not smooth.	All Basement doors	ADA	\$2,500
Total Barriers: 102, Total Cost: \$303,605									

Id	Facility	Building	Assembly	Type	Barrier	Priority	Detail	Location	Description	ADA	Total
456224	Ackland Art Museum	BASEMENT	Interior Access Route	Reach Range		2	Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.	Basement Halon release.		ADA	\$1,250
456225	Ackland Art Museum	BASEMENT	Interior Access Route	Reach Range		2	Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.	Security west lobby		ADA	\$625
456226	Ackland Art Museum	BASEMENT	Interior Access Route	Reach Range		2	Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.	Light Switches		ADA	\$1,250
456228	Ackland Art Museum	BASEMENT	Interior Access Route	Signage		2	The interior signage does not have compliant visual and tactile characters, with raised or indented characters or symbols.	Basement Room All offices		ADA	\$1,788
456231	Ackland Art Museum	BASEMENT	Common Areas	Dining And Work Surface		2	The dining or work surface does not have a minimum 28" and maximum 34" height with knee and toe clearance.	Basement Room 017		ADA	\$3,970
456232	Ackland Art Museum	BASEMENT	Interior Access Route	Sink		2	The sink rim is higher than 34", and does not have knee and toe clearance (does not apply to mop basins, utility sinks, or bar sinks).	Basement Room 017		ADA	\$900
456257	Ackland Art Museum	FIRST FLOOR	Interior Access Route	Reach Range		2	Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.	Room 112 Coat Closet		ADA	\$500
Total Barriers: 102, Total Cost: \$303,605											





Id	Facility	Building	Assembly	Type	Barrier	Priority	Detail	Location	Description	ADA	Total
456237	Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Ambulatory Stall		3	The centerline of the toilet in the ambulatory stall is not 17" minimum to 19" maximum from the sidewall.	Basement Women's Restroom		ADA	\$788
456238	Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Ambulatory Stall		3	The ambulatory stall size is not compliant, or an ambulatory stall is not provided.	Basement Women's Restroom		ADA	\$1,710
456239	Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Ambulatory Stall		3	The side grab bars are not compliant in the ambulatory stall.	Basement Women's Restroom		ADA	\$1,775
456240	Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Lavatory		3	The lavatory faucet hardware is not compliant.	Basement Women's Restroom		ADA	\$694
456241	Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Lavatory		3	Pipes are not insulated.	Basement Women's Restroom		ADA	\$81
456242	Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Mirror		3	The mirror is mounted higher than 40" above finish floor to the bottom of the reflective surface, where it is installed above a lavatory or counter.	Basement Women's Restroom		ADA	\$250
456243	Ackland Art Museum	BASEMENT	Restroom	Controls And Dispensers		3	The height of controls are not compliant.	Basement Women's Restroom		ADA	\$250
456246	Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Door		3	The force required to open the interior, hinged, non-fire door is more than 5 pounds.	Basement Men's Restroom		ADA	\$915
456247	Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Door		3	The accessible door with door closer has a sweep period of less than 5 seconds from 90 degrees to a position 12 degrees from latch.	Basement Men's Restroom		ADA	\$0
456248	Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Water Closet		3	A wheelchair stall is not provided in a multi-user restroom.	Basement Men's Restroom		ADA	\$3,438
Total Barriers: 102, Total Cost: \$303,605											

Id		Facility	Building	Assembly	Type	Barrier	Priority	Detail	Location	Description	ADA	Total
456249		Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Ambulatory Stall		3	The centerline of the toilet in the ambulatory stall is not 17" minimum to 19" maximum from the sidewall.	Basement Men's Restroom		ADA	\$788
456250		Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Ambulatory Stall		3	The ambulatory stall size is not compliant, or an ambulatory stall is not provided.	Basement Men's Restroom		ADA	\$1,710
456251		Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Ambulatory Stall		3	The side grab bars are not compliant in the ambulatory stall.	Basement Men's Restroom		ADA	\$888
456252		Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Urinal		3	The urinal dimensions are not compliant.	Basement Men's Restroom		ADA	\$1,169
456253		Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Lavatory		3	The lavatory faucet hardware is not compliant.	Basement Men's Restroom		ADA	\$694
456254		Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Lavatory		3	Pipes are not insulated.	Basement Men's Restroom		ADA	\$81
456255		Ackland Art Museum	BASEMENT	Restroom	Restroom/Bathroom - Mirror		3	The mirror is mounted higher than 40" above finish floor to the bottom of the reflective surface, where it is installed above a lavatory or counter.	Basement Men's Restroom		ADA	\$250
456264		Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Water Closet		3	A wheelchair stall is not provided in a multi-user restroom.	First Floor Women's Restroom		ADA	\$3,438
456265		Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Ambulatory Stall		3	The centerline of the toilet in the ambulatory stall is not 17" minimum to 19" maximum from the sidewall.	First Floor Women's Restroom		ADA	\$788
456266		Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Ambulatory Stall		3	The ambulatory stall size is not compliant, or an ambulatory stall is not provided.	First Floor Women's Restroom		ADA	\$1,710
456267		Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Ambulatory Stall		3	The side grab bars are not compliant in the ambulatory stall.	First Floor Women's Restroom		ADA	\$888
456268		Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Lavatory		3	The lavatory faucet hardware is not compliant.	First Floor Women's Restroom		ADA	\$694

**Total Barriers: 102, Total Cost: \$303,605**

<b>Id</b>	<b>Facility</b>	<b>Building</b>	<b>Assembly</b>	<b>Type</b>	<b>Barrier</b>	<b>Priority</b>	<b>Detail</b>	<b>Location</b>	<b>Description</b>	<b>ADA</b>	<b>Total</b>
456269	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Lavatory	3		Pipes are not insulated.	First Floor Women's Restroom		ADA	\$81
456270	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Mirror	3		The mirror is mounted higher than 40" above finish floor to the bottom of the reflective surface, where it is installed above a lavatory or counter.	First Floor Women's Restroom		ADA	\$250
456272	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Water Closet	3		A wheelchair stall is not provided in a multi-user restroom.	First Floor Men's Restroom		ADA	\$3,438
456273	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Ambulatory Stall	3		The centerline of the toilet in the ambulatory stall is not 17" minimum to 19" maximum from the sidewall.	First Floor Men's Restroom		ADA	\$788
456274	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Ambulatory Stall	3		The ambulatory stall size is not compliant, or an ambulatory stall is not provided.	First Floor Men's Restroom		ADA	\$1,710
456275	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Ambulatory Stall	3		The side grab bars are not compliant in the ambulatory stall.	First Floor Men's Restroom		ADA	\$888
456276	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Lavatory	3		The lavatory faucet hardware is not compliant.	First Floor Men's Restroom		ADA	\$694
456277	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Lavatory	3		Pipes are not insulated.	First Floor Men's Restroom		ADA	\$81
456278	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Mirror	3		The mirror is mounted higher than 40" above finish floor to the bottom of the reflective surface, where it is installed above a lavatory or counter.	First Floor Men's Restroom		ADA	\$250
456279	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Door	3		The force required to open the interior, hinged, non-fire door is more than 5 pounds.	First Floor accessible unisex Restroom		ADA	\$458
456280	Ackland Art Museum	FIRST FLOOR	Restroom	Restroom/Bathroom - Mirror	3		The force required to open the interior, hinged, non-fire door is more than 5 pounds.	First Floor accessible unisex Restroom		ADA	\$458
<b>Total Barriers: 102, Total Cost: \$303,605</b>											





<b>Id</b>	<b>Facility</b>	<b>Building</b>	<b>Assembly</b>	<b>Type</b>	<b>Barrier Priority</b>	<b>Detail</b>	<b>Location Description</b>	<b>ADA</b>	<b>Total</b>
456244	Ackland Art Museum	BASEMENT	Interior Access Route	Drinking Fountain/Water Cooler	4	The location of the spout of the wheelchair height drinking fountain is not compliant.	Drinking Fountains DF-1 Basement	ADA	\$3,132
456258	Ackland Art Museum	FIRST FLOOR	Kitchen	Kitchen - Oven - Residential And Employee-Only	4	The oven does not have an adjacent work surface which is a minimum height of 28" and maximum height of 34", or an adjustable work surface ranging from minimum 29" to 36" maximum.	Room 122 Kitchen	ADA	\$2,978
456259	Ackland Art Museum	FIRST FLOOR	Kitchen	Kitchen - Range/Cooktop/Oven	4	The location of the controls requires reaching across burners.	Room 122 Kitchen	ADA	\$949
456261	Ackland Art Museum	FIRST FLOOR	Kitchen	Kitchen - Counter - Public	4	A minimum 30" wide section of the counter is not a minimum height of 28" and maximum height of 34" with knee and toe clearance.	Room 122 Kitchen	ADA	\$2,978
456282	Ackland Art Museum	FIRST FLOOR	Interior Access Route	Drinking Fountain/Water Cooler	4	The location of the spout of the wheelchair height drinking fountain is not compliant.	Drinking Fountains DF-2 First Floor	ADA	\$3,132
456284	Ackland Art Museum	SECOND FLOOR	Interior Access Route	Drinking Fountain/Water Cooler	4	The location of the spout of the wheelchair height drinking fountain is not compliant.	Drinking Fountains DF-3 Second Floor.	ADA	\$3,132
<b>Total Barriers: 102, Total Cost: \$303,605</b>									

### 3 CERTIFICATION

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Bureau Veritas has completed a Title II Accessibility Assessment of the subject property, UNC Ackland Art Museum, 101 South Columbia Street, Chapel Hill, North Carolina 27599. The site was visited on May 23, 2024.

The assessment was performed at the Client's request using methods and procedures consistent with good commercial and customary practice for assessing compliance with the Title II provisions of the Americans with Disabilities Act (ADA) and applicable state and local requirements.

This report has been prepared for and is exclusively for the use and benefit of the Client identified on the cover page of this report. The purpose for which this report shall be used shall be limited to the use as stated in the contract between the client and Bureau Veritas.

This report, or any of the information contained therein, is not for the use or benefit of, nor may it be relied upon by any other person or entity, for any purpose without the advance written consent of Bureau Veritas. Any reuse or distribution without such consent shall be at the client's or recipient's sole risk, without liability to Bureau Veritas.

The opinions Bureau Veritas expresses in this report were formed utilizing the degree of skill and care ordinarily exercised by an architect or engineer in the same community under similar circumstances. Bureau Veritas assumes no responsibility or liability for the accuracy of information contained in this report which has been obtained from the Client or the Client's representatives, from other interested parties, or from the public domain. The conclusions presented represent Bureau Veritas's professional judgment based on information obtained during the course of this assignment. The conclusions presented are based on the data provided, observations made, and conditions that existed specifically on the date of the assessment.

Bureau Veritas certifies that Bureau Veritas has no undisclosed interest in the subject property, Bureau Veritas's relationship with the Client is at arm's-length, and that Bureau Veritas's employment and compensation are not contingent upon the findings or order of magnitude estimated costs to remove barriers.

If you have any questions regarding this report, please contact Program Manager Name at [Bryon.Scott@bureauveritas.com](mailto:Bryon.Scott@bureauveritas.com) or at (800) 766-0660, x7296625.

**Prepared by:** Brian Rogers  
Field Observer

**Reviewed by:**   
Bryon R. Scott, ADAC  
[Bryon.Scott@bureauveritas.com](mailto:Bryon.Scott@bureauveritas.com)

## 4 APPENDICES

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APPENDIX A: SITE AND FLOOR PLANS

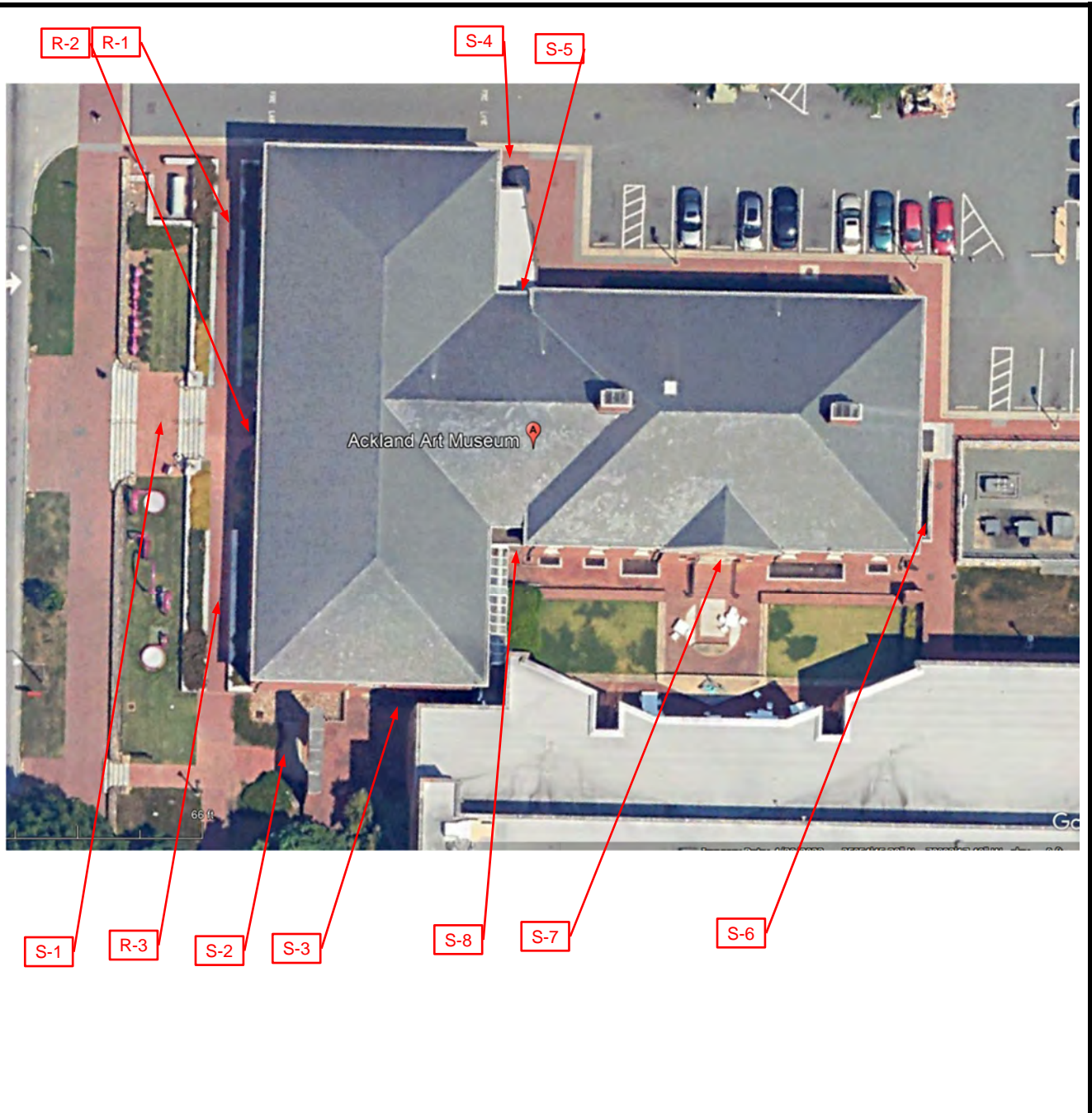
APPENDIX B: RECORD OF INDIVIDUAL BARRIERS

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## **APPENDIX A: SITE AND FLOOR PLANS**

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## Site Plan



**Source:**  
Google Earth

**Project Number:**  
165715.24R000-003.303

**Legend:**  
R-# - Ramp  
S-# - Stair

**Project Name:**  
UNC Ackland Art Museum

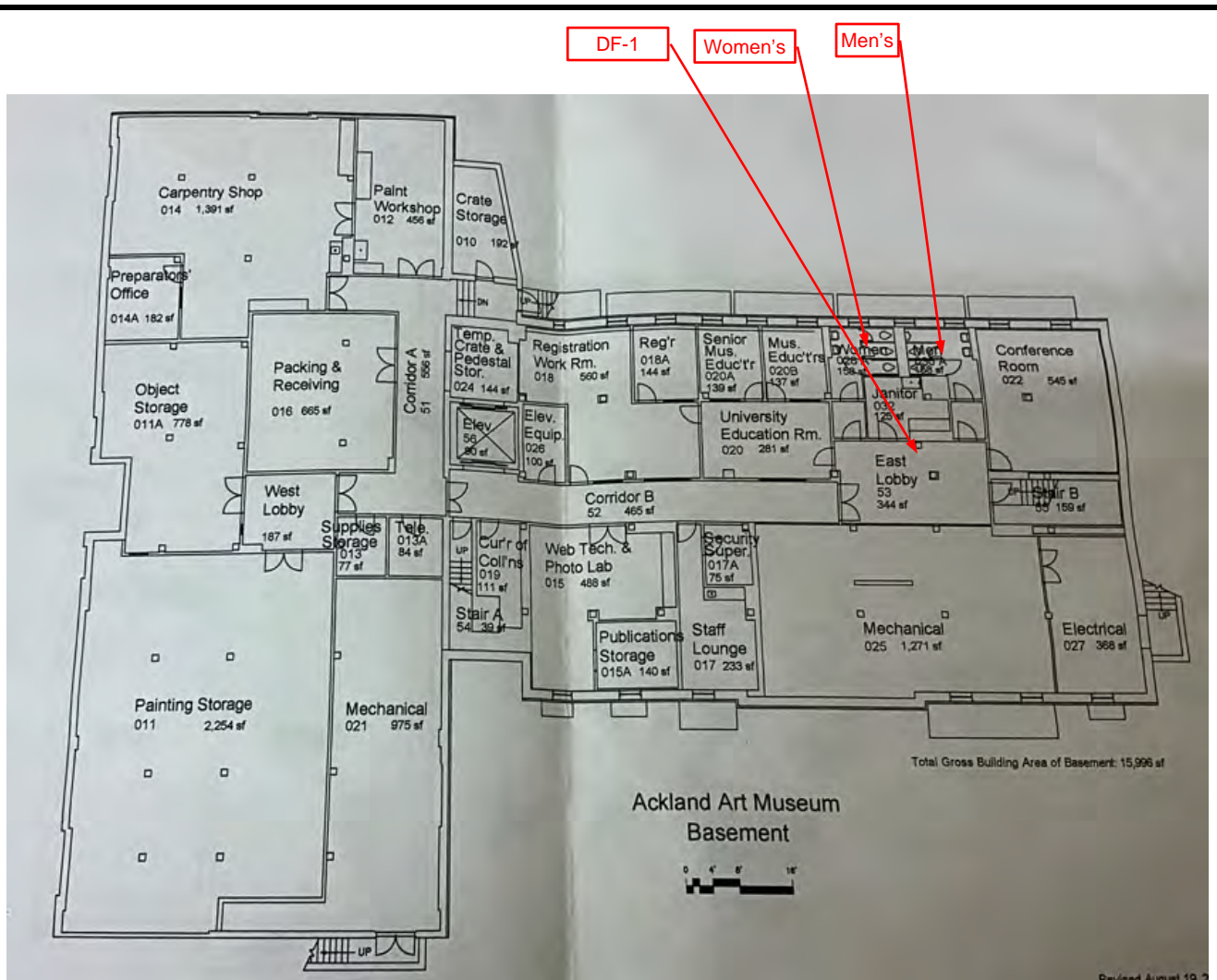


The north arrow indicator is an approximation of 0° North.

**On-Site Date:**  
May 23, 2024



## Floor Plan-Basement



### Source:

Client

### Project Number:

165715.24R000-003.303

### Legend:

RR-# - Restroom

DF-# - Drinking Fountain

R-# - Ramp

ST-# - Stair

The north arrow indicator is an approximation of 0° North.

### Project Name:

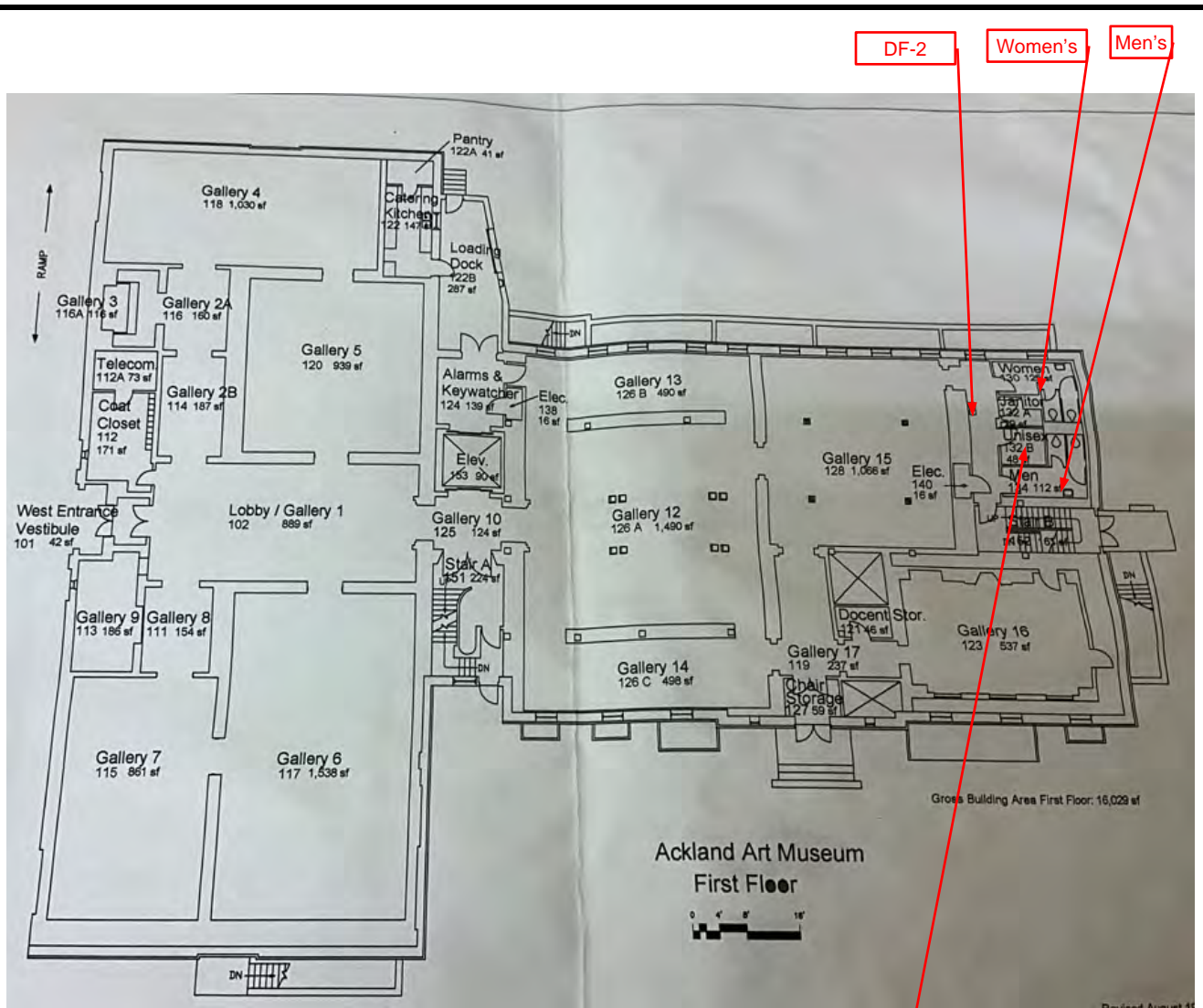
UNC Ackland Art Museum

### On-Site Date:

May 23, 2024



## Floor Plan-First Floor



### Source:

Client

### Legend:

RR-# - Restroom

DF-# - Drinking Fountain

R-# - Ramp

ST-# - Stair

The north arrow indicator is an approximation of 0° North.



### Project Number:

165715.24R000-003.303

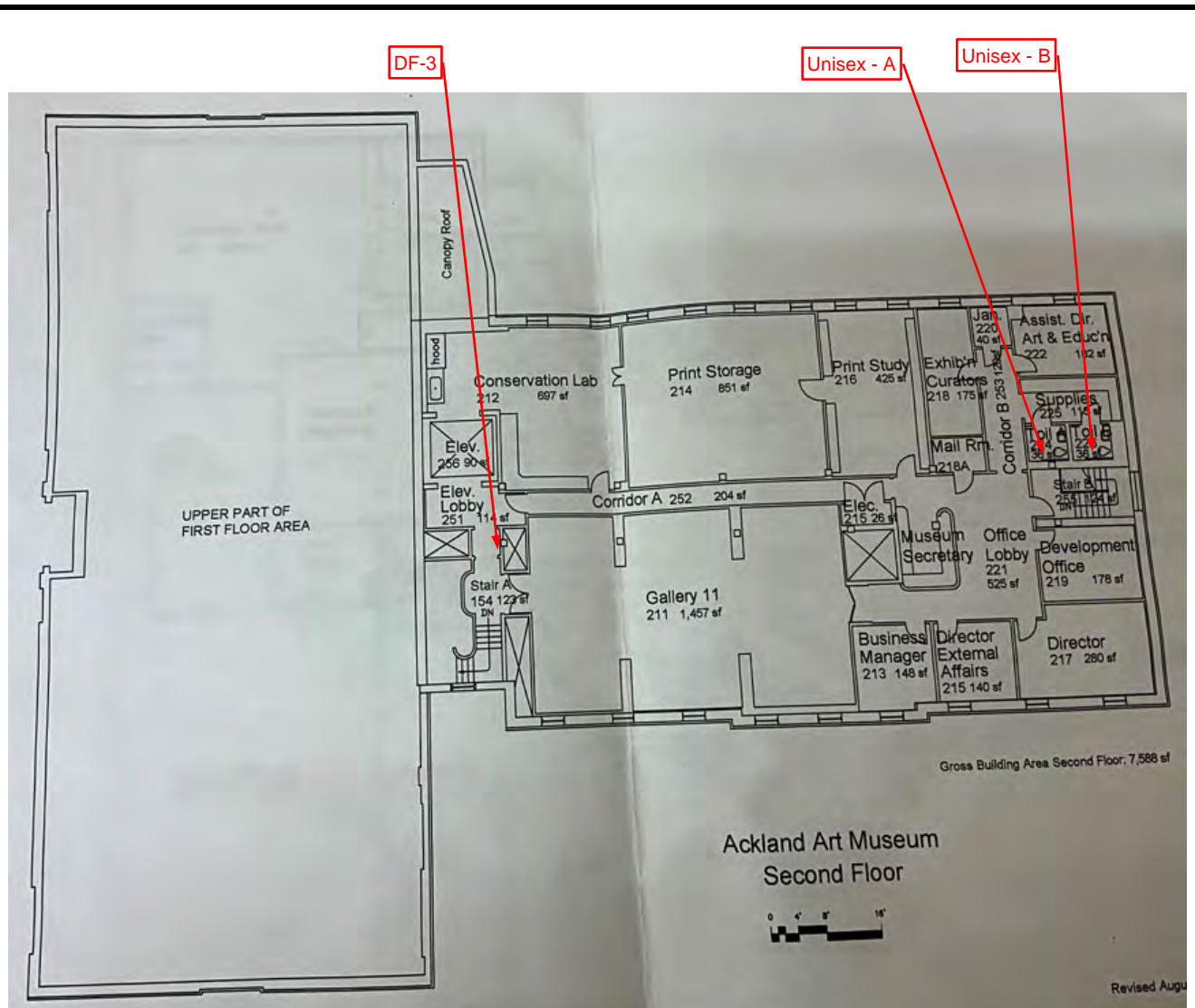
### Project Name:

UNC Ackland Art Museum

### On-Site Date:

May 23, 2024

## Floor Plan-Second Floor



### Source:

Client

### Legend:

RR-# - Restroom

DF-# - Drinking Fountain

R-# - Ramp

ST-# - Stair

The north arrow indicator is an approximation of 0° North.



### Project Number:

165715.24R000-003.303

### Project Name:

UNC Ackland Art Museum

### On-Site Date:

May 23, 2024

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## **APPENDIX B: RECORD OF INDIVIDUAL BARRIERS**

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# Ackland Art Museum SECOND FLOOR

Assembly	Interior Access Route	
Type	Elevator	
ADA Standard	407.4.7.1, 703.3.2	
Barrier Detail		
The Braille identification of the control buttons is not 3/16" minimum to the left of or directly below the corresponding raised character or symbol identifying the control button.		
Location Description	Elevator	
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions	No braille present on the elevator control buttons.	
Resolution		
Install the Braille identification of the control button to minimum 3/16" to the left of or directly below the corresponding raised character or symbol identifying the control button.		
Quantity	Unit Cost	Total Cost
1 EA	5,625.00	\$ 5,625
Priority	0	







# Ackland Art Museum BASEMENT

Assembly	Interior Access Route	
Type	Door	
ADA Standard	404.2.4; Table 404.2.4.1	
Barrier Detail		
The pull side of the accessible door does not have the required maneuvering clearances.		
Location Description	Basement Room 017	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions		
For a front approach on the pull side of the door on the latch side the clearance is 9 1/4 inches to a brick wall.		
Width	9 1/4"	
Resolution		
Redesign to provide the required maneuvering clearance at the pull side of the door. The required depth of the maneuvering clearance is 60" minimum. The required side clearance is 18" minimum on the latch/hinge side of the door. Maneuvering clearance shall extend the full width of the doorway and the required latch side or hinge side clearance. Floor or ground space within the required maneuvering clearance shall be maximum 1:48 (2.08%) slope. Changes in level are not permitted.		
Quantity	Unit Cost	Total Cost
1 EA	1,562.50	\$ 1,563
Priority	1	

Photos for Barrier ID: AX456230



# Ackland Art Museum BASEMENT

Assembly	Interior Access Route	
Type	Door	
ADA Standard	404.2.4; Table 404.2.4.1	
Barrier Detail		
The pull side of the accessible door does not have the required maneuvering clearances.		
Location Description	Basement Room 018	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions		
For a front approach on the pull side of the door the clear floor space is 48 inches to the desk.		
Width	48"	
Resolution		
Redesign to provide the required maneuvering clearance at the pull side of the door. The required depth of the maneuvering clearance is 60" minimum. The required side clearance is 18" minimum on the latch/hinge side of the door. Maneuvering clearance shall extend the full width of the doorway and the required latch side or hinge side clearance. Floor or ground space within the required maneuvering clearance shall be maximum 1:48 (2.08%) slope. Changes in level are not permitted.		
Quantity	Unit Cost	Total Cost
1 EA	150.00	\$ 150
Priority	1	



# Ackland Art Museum BASEMENT

Assembly	Interior Access Route	
Type	Door	
ADA Standard	404.2.4; Table 404.2.4.1	
Barrier Detail		
The pull side of the accessible door does not have the required maneuvering clearances.		
Location Description	Basement Room 018A	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions		
For a front approach on the pull side of the door on the latch side, the clearance is 8 inches to the bookshelf. The bookshelf is 12 inches wide..		
Width	8"	
Resolution		
Redesign to provide the required maneuvering clearance at the pull side of the door. The required depth of the maneuvering clearance is 60" minimum. The required side clearance is 18" minimum on the latch/hinge side of the door. Maneuvering clearance shall extend the full width of the doorway and the required latch side or hinge side clearance. Floor or ground space within the required maneuvering clearance shall be maximum 1:48 (2.08%) slope. Changes in level are not permitted.		
Quantity	Unit Cost	Total Cost
1 EA	150.00	\$ 150
Priority	1	



# Ackland Art Museum BASEMENT

Assembly Interior Access Route

Type Door

ADA Standard 404.2.4; Table 404.2.4.1

Barrier Detail

The push side of the accessible door does not have the required maneuvering clearances.

Location Description Basement Room 111

Observed May 21, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

For a forward approach on the push side of the door on the latch side, the file cabinet is 6 inches from the door jam.

Width 6"

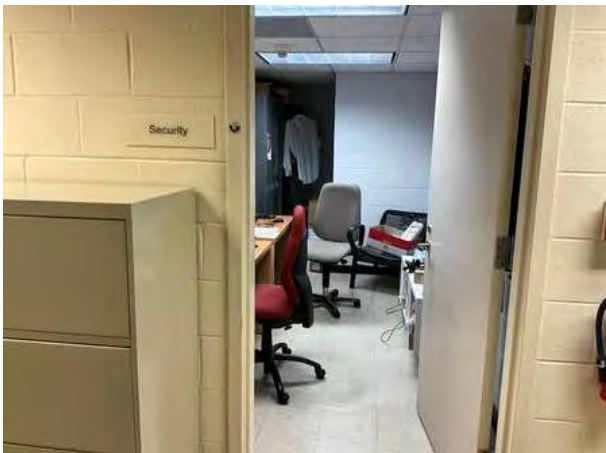
Resolution

Redesign to provide the required maneuvering clearance on the push side the door. The required depth of the maneuvering clearance is 60" minimum. The required side clearance is 18" minimum on the latch/hinge side of the door. Maneuvering clearance shall extend the full width of the doorway and the required latch side or hinge side clearance. Floor or ground space within the required maneuvering clearance shall be maximum 1:48 (2.08%) slope. Changes in level are not permitted.

Quantity	Unit Cost	Total Cost
1 EA	1,562.50	\$ 1,563

Priority 1

Photos for Barrier ID: AX456227



# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
Type	Stairs
ADA Standard	505
Barrier Detail	Handrails are not provided.
Location Description	Basement S-9
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

## Site Conditions

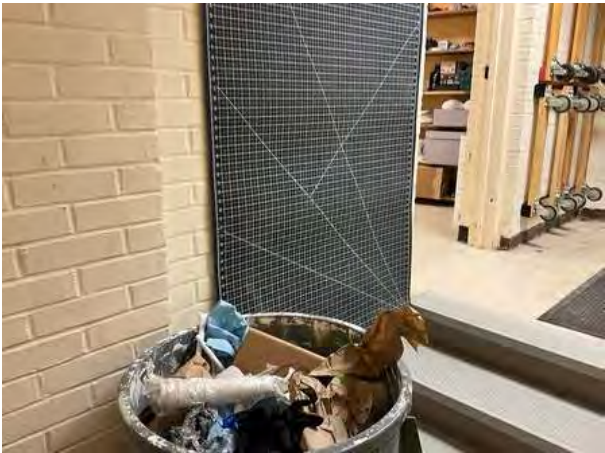
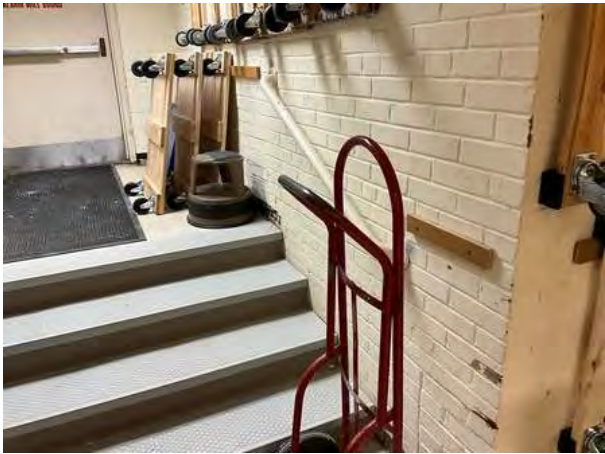
Handrail is not provided on the left side of the staircase. The existing handrail on the right side is 31 inches above the nose of the step and projects 5 inches from the bottom stairs and 3 inches at the top.

## Resolution

Install handrails on both sides of all stairs that comply with guidelines. Handrails shall be provided on both sides of stairs. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above walking surfaces, stair nosings, and ramp surfaces. If children are primary users, is there a second set of handrails with minimum 9" between lower and higher rail and is the lower rail 28" maximum from the ramp surface. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed by newel posts, other construction elements, or obstructions for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4".] Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights and ramp runs. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.]

Quantity	Unit Cost	Total Cost
10 LF	203.75	\$ 2,038
Priority	1	







# Ackland Art Museum SECOND FLOOR

Assembly	Interior Access Route
Type	Elevator
ADA Standard	407.1, 4 , ASME A17.1
Barrier Detail	The elevator car emergency communication system is not compliant.
Location Description	Elevator
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	Emergency call is a handset.

**Resolution**

Provide a compliant two-way emergency communication system [handset not allowable]. communication must connect with emergency or authorized personnel and not an automated answering system. The communication system must be push button activated. The emergency two-way communication system shall be controlled by a button designated with the word "HELP." A visual indication acknowledging the establishment of a communications link to authorized personnel must be provided. The visual indication must remain on until the call is terminated by authorized personnel. The building location, the elevator car number, and the need for assistance must be provided to authorized personnel answering the emergency call. The use of a handset by the communications system is prohibited. Only the authorized personnel answering the call can terminate the call. Operating instructions for the communications system must be provided in the elevator car, including the building location and elevator car number.

Quantity	Unit Cost	Total Cost
1 EA	8,050.00	\$ 8,050
Priority	1	

**Photos for Barrier ID: AX456286**



# Ackland Art Museum FIRST FLOOR

Assembly	Interior Access Route	
Type	Door	
ADA Standard	404.2.4; Table 404.2.4.1	
Barrier Detail		
The pull side of the accessible door does not have the required maneuvering clearances.		
Location Description	Gallery 13 to Room 124	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions		
For a front approach on the pull side of the door on the latch side, there is 6 inches a wall that is 41 inches deep.		
Width	6"	
Resolution		
Redesign to provide the required maneuvering clearance at the pull side of the door. The required depth of the maneuvering clearance is 60" minimum. The required side clearance is 18" minimum on the latch side of the door. Maneuvering clearance shall extend the full width of the doorway and the required latch side clearance. Floor or ground space within the required maneuvering clearance shall be maximum 1:48 (2.08%) slope. Changes in level are not permitted.		
Quantity	Unit Cost	Total Cost
1 EA	1,562.50	\$ 1,563
Priority	1	



# Ackland Art Museum EXTERIOR

<b>Assembly</b>	Exterior Access Route
<b>Type</b>	Ramp
<b>ADA Standard</b>	405.7; 405.8; 405.9
<b>Barrier Detail</b>	The ramp does not have a level landing at the top and/or bottom of each run.
<b>Location Description</b>	Ramp R-1
<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
<b>Site Conditions</b>	The bottom ramp landing has a cross slope of 2.2%.
<b>Highest Cross Slope</b>	2.2%

## Resolution

The ramp should be removed and an accessible ramp should be installed that has level landings and landings at any change of direction. Ramps shall have compliant landings at the top and the bottom of each ramp run. Changes in level are not permitted. [EXCEPTION: Slopes not steeper than 1:48 shall be permitted.] The landing clear width shall be at least as wide as the widest ramp run leading to the landing. The landing clear length shall be 60" long minimum. Ramps that change direction between runs at landings shall have a clear landing 60" minimum by 60" minimum. Where doorways are located adjacent to a ramp landing, maneuvering clearances required shall be permitted to overlap the required landing area. Ramp runs with a rise greater than 6" shall have compliant handrails. [EXCEPTION: Within employee work areas, handrails shall not be required where ramps that are part of common use circulation paths are designed to permit the installation of handrails.] Ramps not subject to the exceptions shall be designed to maintain a 36" minimum clear width when handrails are installed. Compliant edge protection shall be provided on each side of ramp runs and at each side of ramp landings. [EXCEPTIONS: 1. Edge protection shall not be required on ramps that are not required to have handrails and have sides complying. 2. Edge protection shall not be required on the sides of ramp landings serving an adjoining ramp run or stairway. 3. Edge protection shall not be required on the sides of ramp landings having a vertical drop-off of 1/2" maximum within 10" horizontally of the minimum landing area.] Edge protection shall be provided, using one of two options. Either the floor or ground surface of the ramp run or landing shall extend 12" minimum beyond the inside face of a compliant handrail or a barrier shall prevent the passage of a 4" sphere from the ramp landing surface. Option 1: The floor or ground surface of the ramp run or landing shall extend 12" minimum beyond the inside face of a compliant handrail. Option 2: A curb or barrier shall be provided that prevents the passage of a 4" diameter sphere, where any portion of the sphere is within 4" of the finish floor or ground surface. Landings subject to wet conditions shall be designed to prevent the accumulation of water.

Quantity	Unit Cost	Total Cost
5 LF	1,265.00	\$ 6,325
<b>Priority</b>	1	

Map for Barrier ID: AX456202



2 +35.912687, -79.055221

Photos for Barrier ID: AX456202





# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
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Type	Ramp
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ADA Standard	405.2
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## Barrier Detail

The ramp has a running slope in excess of 1:12 (8.33%) and/or cross slope in excess of 1:48 (2.08%).

Location Description	Ramp R-1
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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Site Conditions	The lower ramp run has a running slope of 8.7% for a length of 25 feet.
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Highest Running Slope	8.7%
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Length	25'
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## Resolution

Remove the existing ramp and provide a compliant ramp. Ramp runs shall have a running slope not steeper than 1:12 (8.33%). [EXCEPTION: In existing sites, buildings, and facilities built before January 1992, ramps shall be permitted to have running slopes steeper than 1:12 where such slopes are necessary due to space limitations. Where slopes are steeper than 1:10 but not steeper than 1:8, the rise shall be 3" maximum. Where slopes are steeper than 1:12 but not steeper than 1:10, the rise shall be 6" maximum.] Ramp runs shall have cross slopes not greater than 1:50 (2%). [EXCEPTION: Cross slopes not greater than 1:48 (2.08%) are permitted.] Either regrade to a maximum running slope of 1:20 (5%) for the walking surface, or provide a compliant ramp. The cost estimate for this barrier removal is based on providing a compliant ramp. The quantity and order of magnitude cost estimate provided for this barrier are limited to the extent of the area identified as non-compliant. Additional costs that may be associated with removal of the barrier are not included.

Quantity	Unit Cost	Total Cost
25 LF	1,199.00	\$ 29,975

Priority	1
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Map for Barrier ID: AX456203



3 +35.912613, -79.055202

Photos for Barrier ID: AX456203



# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
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Type	Ramp
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ADA Standard	405.2
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## Barrier Detail

The ramp has a running slope in excess of 1:12 (8.33%) and/or cross slope in excess of 1:48 (2.08%).

Location Description	Ramp R-1
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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Site Conditions	The upper ramp run has a running slope of 10.0% for a length of 30 feet.
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Highest Running Slope	10.0%
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Length	30'
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## Resolution

Remove the existing ramp and provide a compliant ramp. Ramp runs shall have a running slope not steeper than 1:12 (8.33%). [EXCEPTION: In existing sites, buildings, and facilities built before January 1992, ramps shall be permitted to have running slopes steeper than 1:12 where such slopes are necessary due to space limitations. Where slopes are steeper than 1:10 but not steeper than 1:8, the rise shall be 3" maximum. Where slopes are steeper than 1:12 but not steeper than 1:10, the rise shall be 6" maximum.] Ramp runs shall have cross slopes not greater than 1:50 (2%). [EXCEPTION: Cross slopes not greater than 1:48 (2.08%) are permitted.] Either regrade to a maximum running slope of 1:20 (5%) for the walking surface, or provide a compliant ramp. The cost estimate for this barrier removal is based on providing a compliant ramp. The quantity and order of magnitude cost estimate provided for this barrier are limited to the extent of the area identified as non-compliant. Additional costs that may be associated with removal of the barrier are not included.

Quantity	Unit Cost	Total Cost
30 LF	1,199.00	\$ 35,970

Priority	1
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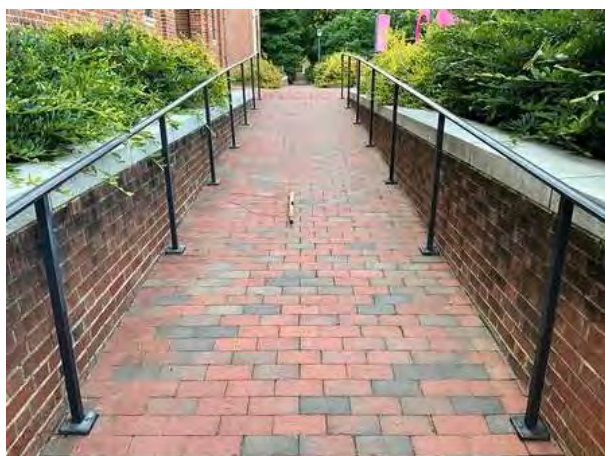


Map for Barrier ID: AX456204



4 +35.912588, -79.055172

Photos for Barrier ID: AX456204



# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
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Type	Ramp
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ADA Standard	405.2
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## Barrier Detail

The ramp has a running slope in excess of 1:12 (8.33%) and/or cross slope in excess of 1:48 (2.08%).

Location Description	Ramp R-2
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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## Site Conditions

The ramp run has a running slope of 9.2% for a length of 6 feet. This ramp is within the 1992 standard for existing building.

Highest Running Slope	9.2%
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Length	6'
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## Resolution

Remove the existing ramp and provide a compliant ramp. Ramp runs shall have a running slope not steeper than 1:12 (8.33%). [EXCEPTION: In existing sites, buildings, and facilities built before January 1992, ramps shall be permitted to have running slopes steeper than 1:12 where such slopes are necessary due to space limitations. Where slopes are steeper than 1:10 but not steeper than 1:8, the rise shall be 3" maximum. Where slopes are steeper than 1:12 but not steeper than 1:10, the rise shall be 6" maximum.] Ramp runs shall have cross slopes not greater than 1:50 (2%). [EXCEPTION: Cross slopes not greater than 1:48 (2.08%) are permitted.] Either regrade to a maximum running slope of 1:20 (5%) for the walking surface, or provide a compliant ramp. The cost estimate for this barrier removal is based on providing a compliant ramp. The quantity and order of magnitude cost estimate provided for this barrier are limited to the extent of the area identified as non-compliant. Additional costs that may be associated with removal of the barrier are not included.

Quantity	Unit Cost	Total Cost
6 LF	1,199.00	\$ 7,194

Priority	1
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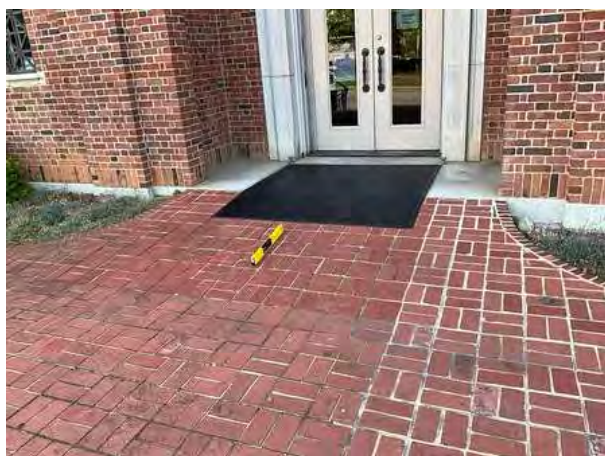


Map for Barrier ID: AX456205



5 +35.912499, -79.055126

Photos for Barrier ID: AX456205



# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
Type	Ramp
ADA Standard	505.6
Barrier Detail	
Handrails are not provided where the ramp rises more than 6" or are not compliant.	
Location Description	Ramp R-3
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	
The accessible route has a running slope of 5.7% and should be treated like a ramp. The length of the slope is 43 feet and has a rise of 26 1/2 inches.	
Highest Running Slope	5.7%
Vertical Rise	26 1/2"
Length	43'

**Resolution**

Provide compliant handrails on both sides of the ramp. The handrails on each side shall be a minimum 36" apart horizontally. The top of the gripping surface of the handrail shall be 34" minimum and 38" maximum vertical above ramp surfaces. Handrails shall be at a consistent height above ramp surfaces. The gripping surface of handrails shall be 1-1/4" to 2" diameter, or a non-circular grip that has a perimeter dimension of 4" to 6-1/4" maximum. Provide a bottom rail that is maximum 4" from the ramp surface and prevents the passage of a 4" diameter sphere between the ramp surface and the rail. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above ramp surfaces. Handrails shall be at a consistent height above ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4".] Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of ramp runs for minimum 12" horizontally over ramp landings. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

Quantity	Unit Cost	Total Cost
100 LF	203.75	\$ 20,375
Priority	1	



6 +35.912387, -79.055073

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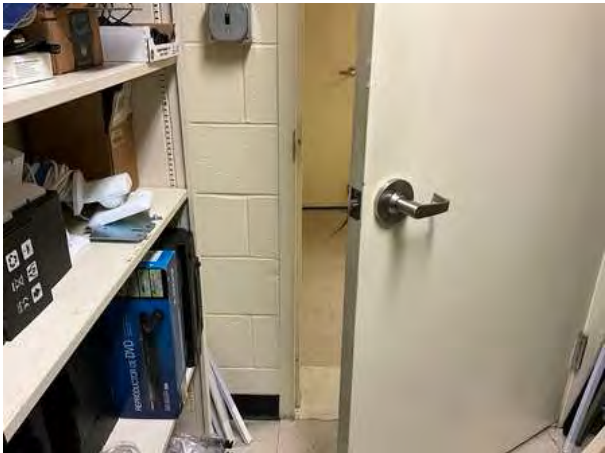




# Ackland Art Museum BASEMENT

Assembly	Interior Access Route	
Type	Door	
ADA Standard	404.2.4; Table 404.2.4.1	
Barrier Detail		
The pull side of the accessible door does not have the required maneuvering clearances.		
Location Description	Room 13 Storage	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions		
For a front approach on the pull side of the door on the latch side the clearance is 9 inches to a shelving unit.		
Width	9"	
Resolution		
Redesign to provide the required maneuvering clearance at the pull side of the door. The required depth of the maneuvering clearance is 60" minimum. The required side clearance is 18" minimum on the latch/hinge side of the door. Maneuvering clearance shall extend the full width of the doorway and the required latch side or hinge side clearance. Floor or ground space within the required maneuvering clearance shall be maximum 1:48 (2.08%) slope. Changes in level are not permitted.		
Quantity	Unit Cost	Total Cost
1 EA	1,562.50	\$ 1,563
Priority	1	





# Ackland Art Museum SECOND FLOOR

Assembly	Interior Access Route	
Type	Door	
ADA Standard	404.2.4; Table 404.2.4.1	
Barrier Detail		
The pull side of the accessible door does not have the required maneuvering clearances.		
Location Description	Room 212	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions		
For a front approach on the pull side of the door on the latch side the clearance is 5" to a 33";wide built in cabinet.		
Width	5"	
Resolution		
Redesign to provide the required maneuvering clearance at the pull side of the door. The required depth of the maneuvering clearance is 60" minimum. The required side clearance is 18" minimum on the latch/hinge side of the door. Maneuvering clearance shall extend the full width of the doorway and the required latch side clearance. Floor or ground space within the required maneuvering clearance shall be maximum 1:48 (2.08%) slope. Changes in level are not permitted.		
Quantity	Unit Cost	Total Cost
1 EA	1,562.50	\$ 1,563
Priority	1	



# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
Type	Stairs
ADA Standard	505
Barrier Detail	Handrails are not compliant.
Location Description	Stair A
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

Handrail missing on interior side of the stairs. The existing handrail is 32 inches above the nose of the steps. 18 steps

Resolution

Install handrails on both sides of all stairs that comply with guidelines. Handrails shall be provided on both sides of stairs. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above walking surfaces, stair nosings, and ramp surfaces. If children are primary users, provide a second set of handrails with a minimum 9" between lower and higher rail, and the lower rail 28" max. from the walking surface. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed by newel posts, other construction elements, or obstructions for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4". Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights. At the top of a stair flight, handrails shall extend horizontally above the landing for 12" minimum beginning directly above the first riser nosing. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

Quantity	Unit Cost		Total Cost
40 LF	203.75	30	\$ 8,150

Photos for Barrier ID: AX456245



# Ackland Art Museum BASEMENT

Assembly Interior Access Route

Type Stairs

ADA Standard 2009 ANSI A117.1-504.5

Barrier Detail

NORTH CAROLINA: The stair tread, at the leading 2" at the stair nosing, does not have a visual contrast of dark-on-light or light-on-dark distinguished from the remainder of the tread.

Location Description Stair A

Observed May 22, 2024 by Brian.rogers@bureauveritas.com

Site Conditions The stair tread does not have Color contrast on the nose of the stairs

Resolution

Install a visual contrast on each stair tread at the nosing. At stair nosings, the leading 2" of tread shall have visual contrast of dark-on-light or light-on-dark from the remainder of the tread.

Quantity	Unit Cost	Total Cost
20 Riser	125.00	\$ 2,500
Priority	1	

Photos for Barrier ID: AX456256



# Ackland Art Museum FIRST FLOOR

<b>Assembly</b>	Interior Access Route
<b>Type</b>	Stairs
<b>ADA Standard</b>	505
<b>Barrier Detail</b>	Handrails are not compliant.
<b>Location Description</b>	Stair A First to Second Floor
<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com

## Site Conditions

The handrail on the wall side of the stairs 32 inches high. The inner handrail is 33 inches high. 19 steps

## Resolution

Install handrails on both sides of all stairs that comply with guidelines. Handrails shall be provided on both sides of stairs. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above walking surfaces, stair nosings, and ramp surfaces. If children are primary users, provide a second set of handrails with a minimum 9" between lower and higher rail, and the lower rail 28" max. from the walking surface. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed by newel posts, other construction elements, or obstructions for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface.

[EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4". Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights. At the top of a stair flight, handrails shall extend horizontally above the landing for 12" minimum beginning directly above the first riser nosing. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

Quantity	Unit Cost	Total Cost
40 LF	203.75	\$ 8,150



Photos for Barrier ID: AX456283





# Ackland Art Museum SECOND FLOOR

Assembly	Interior Access Route
Type	Stairs
ADA Standard	505
Barrier Detail	Handrails are not compliant.
Location Description	Stair B
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

Handrail on interior side of the stairs is 32" . The existing handrail is 33 inches above the nose of the steps. 39 steps

Resolution

Install handrails on both sides of all stairs that comply with guidelines. Handrails shall be provided on both sides of stairs. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above walking surfaces, stair nosings, and ramp surfaces. If children are primary users, provide a second set of handrails with a minimum 9" between lower and higher rail, and the lower rail 28" max. from the walking surface. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed by newel posts, other construction elements, or obstructions for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4". Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights. At the top of a stair flight, handrails shall extend horizontally above the landing for 12" minimum beginning directly above the first riser nosing. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

Quantity	Unit Cost		Total Cost
80 LF	203.75	35	\$ 16,300

Photos for Barrier ID: AX456302



# Ackland Art Museum SECOND FLOOR

Assembly	Interior Access Route
Type	Stairs
ADA Standard	2009 ANSI A117.1-504.5

Barrier Detail

NORTH CAROLINA: The stair tread, at the leading 2" at the stair nosing, does not have a visual contrast of dark-on-light or light-on-dark distinguished from the remainder of the tread.

Location Description	Stair B
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The stairs do not have contrast on the nose of 39 steps.

Resolution

Install a visual contrast on each stair tread at the nosing. At stair nosings, the leading 2" of tread shall have visual contrast of dark-on-light or light-on-dark from the remainder of the tread.

Quantity	Unit Cost	Total Cost
39 Riser	125.00	\$ 4,875
Priority	1	

Photos for Barrier ID: AX456303



# Ackland Art Museum EXTERIOR

Assembly Exterior Access Route

Type Stairs

ADA Standard 2009 ANSI A117.1-504.5

Barrier Detail

NORTH CAROLINA: The stair tread, at the leading 2" at the stair nosing, does not have a visual contrast of dark-on-light or light-on-dark distinguished from the remainder of the tread.

Location Description Stairs Court Yard Side. S-7

Observed May 22, 2024 by Brian.rogers@bureauveritas.com

Site Conditions No color contrast at the nose of the steps

Resolution

Install a visual contrast on each stair tread at the nosing. At stair nosings, the leading 2" of tread shall have visual contrast of dark-on-light or light-on-dark from the remainder of the tread.

Quantity	Unit Cost	Total Cost
4 Riser	125.00	\$ 500
Priority	1	

Map for Barrier ID: AX456214



14 +35.912554, -79.054675





# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route	
Type	Stairs	
ADA Standard	2009 ANSI A117.1-504.5	
Barrier Detail		
NORTH CAROLINA: The stair tread, at the leading 2" at the stair nosing, does not have a visual contrast of dark-on-light or light-on-dark distinguished from the remainder of the tread.		
Location Description	Stairs Court Yard Side. S-8	
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions	No color contrast at the nose of the steps	
Resolution		
Install a visual contrast on each stair tread at the nosing. At stair nosings, the leading 2" of tread shall have visual contrast of dark-on-light or light-on-dark from the remainder of the tread.		
Quantity	Unit Cost	Total Cost
4 Riser	125.00	\$ 500
Priority	1	

Map for Barrier ID: AX456215



15 35.912533749553255,-79.05483605727115





# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
Type	Stairs
ADA Standard	505
Barrier Detail	Handrails are not compliant.
Location Description	Stairs on Colombia Street S-1
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com

## Site Conditions

All handrails on main steps on Columbia Street are 28 to 32 inches above the nose of the step.

## Resolution

Handrails: Install compliant handrails on both sides of the stairway. Inside handrails on switchback or dogleg stairs shall be continuous between runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above stair nosings. Handrails shall be at a consistent height above ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTION: The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4".] Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] At the top of a stair flight, handrails shall extend horizontally above the landing for 12" minimum beginning directly above the first riser nosing. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. Removal of this barrier is required if the stairs are part of the required accessible means of egress from the accessible space, per emergency egress plans approved by the administering local authority. [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

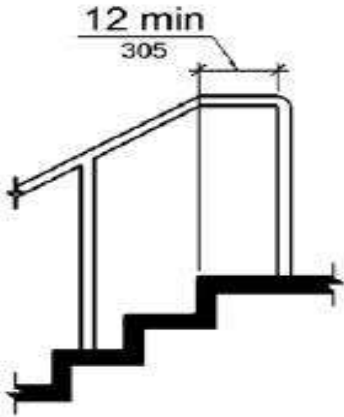
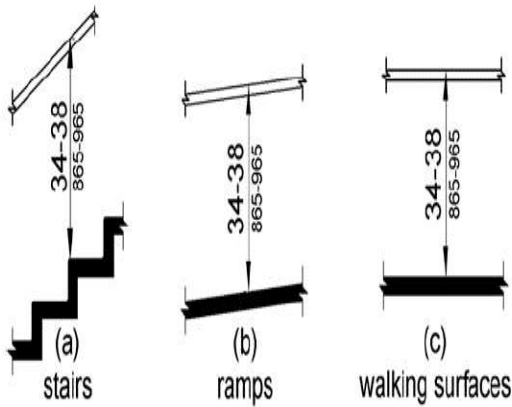
Quantity	Unit Cost	Total Cost
60 LF	204.00	\$ 12,240
Priority	1	

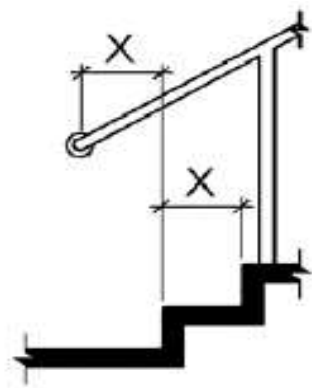


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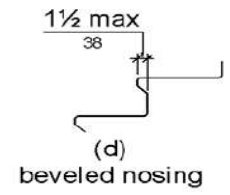
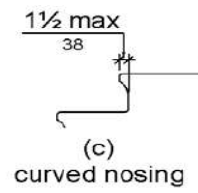
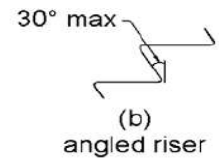
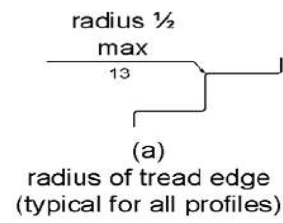
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Note: X = tread depth



# Ackland Art Museum EXTERIOR

Assembly Exterior Access Route

Type Stairs

ADA Standard 2009 ANSI A117.1-504.5

Barrier Detail

NORTH CAROLINA: The stair tread, at the leading 2" at the stair nosing, does not have a visual contrast of dark-on-light or light-on-dark distinguished from the remainder of the tread.

Location Description Stairs on Colombia Street S-1

Observed May 22, 2024 by Brian.rogers@bureauveritas.com

Site Conditions No color contrast at the nose of the steps.

Resolution

Install a visual contrast on each stair tread at the nosing. At stair nosings, the leading 2" of tread shall have visual contrast of dark-on-light or light-on-dark from the remainder of the tread.

Quantity	Unit Cost	Total Cost
10 Riser	125.00	\$ 1,250
Priority	1	

Map for Barrier ID: AX456212



12 +35.912501, -79.055146





# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
Type	Stairs
ADA Standard	505
Barrier Detail	Handrails are not compliant or are not provided.
Location Description	Stairs on Colombia Street S-2
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	Handrails are not provided on the set of steps

Resolution

Install handrails on both sides of all stairs that comply with guidelines. Handrails shall be provided on both sides of stairs. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4".] Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights. At the top of a stair flight, handrails shall extend horizontally above the landing for 12" minimum beginning directly above the first riser nosing. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

Quantity	Unit Cost	Total Cost
16 LF	203.75	\$ 3,260
Priority	1	



Map for Barrier ID: AX456207



7 +35.912313, -79.054892

Photos for Barrier ID: AX456207





# Ackland Art Museum EXTERIOR

Assembly Exterior Access Route

Type Stairs

ADA Standard 2009 ANSI A117.1-504.5

Barrier Detail

NORTH CAROLINA: The stair tread, at the leading 2" at the stair nosing, does not have a visual contrast of dark-on-light or light-on-dark distinguished from the remainder of the tread.

Location Description Stairs on Colombia Street S-2

Observed May 22, 2024 by Brian.rogers@bureauveritas.com

Site Conditions No color contrast at the nose of the steps.

Resolution

Install a visual contrast on each stair tread at the nosing. At stair nosings, the leading 2" of tread shall have visual contrast of dark-on-light or light-on-dark from the remainder of the tread.

Quantity	Unit Cost	Total Cost
3 Riser	125.00	\$ 375
Priority	1	





# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
Type	Stairs
ADA Standard	505
Barrier Detail	Handrails are not compliant or are not provided.
Location Description	Stairs South Side. S-4
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

No railing on the building side of the steps. The existing railing is 32 inches above the nose of the steps.

Resolution

Install handrails on both sides of all stairs that comply with guidelines. Handrails shall be provided on both sides of stairs. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4".] Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights. At the top of a stair flight, handrails shall extend horizontally above the landing for 12" minimum beginning directly above the first riser nosing. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

Quantity	Unit Cost	Total Cost
7 LF	203.75	\$ 1,426
Priority	1	52

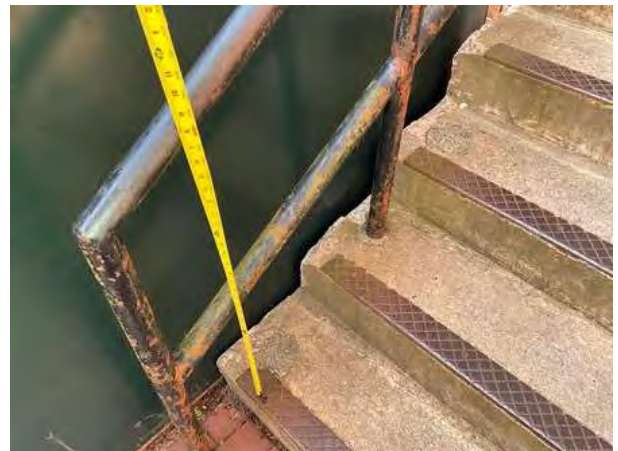


Map for Barrier ID: AX456209



9 +35.912814, -79.054991

Photos for Barrier ID: AX456209



# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
Type	Stairs
ADA Standard	505
Barrier Detail	Handrails are not compliant or are not provided.
Location Description	Stairs to Basement East Side S-6
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

Handrails are not provided on the outside of the steps. Existing handrail is 31 inches above the steps and not continuous.

Resolution

Install handrails on both sides of all stairs that comply with guidelines. Handrails shall be provided on both sides of stairs. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4".] Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights. At the top of a stair flight, handrails shall extend horizontally above the landing for 12" minimum beginning directly above the first riser nosing. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

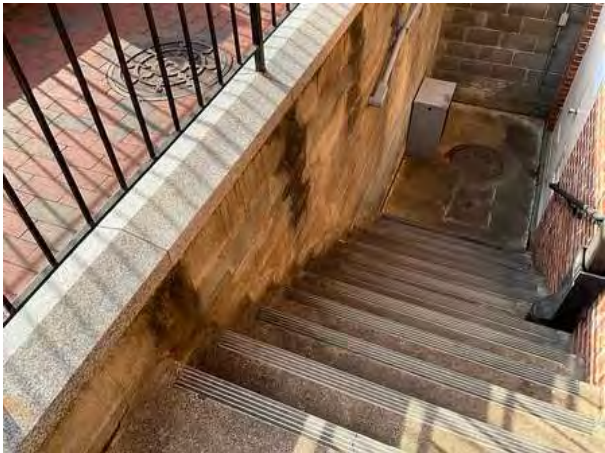
Quantity	Unit Cost	Total Cost
32 LF	203.75	\$ 6,520



Map for Barrier ID: AX456211



11 35.912666333228636,-79.05451650429916



# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
Type	Stairs
ADA Standard	505
Barrier Detail	Handrails are not compliant or are not provided.
Location Description	Stairs to Basement S-3
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

Handrails are not provided on the outside of the steps. Existing handrail is 32 inches above of the steps.

Resolution

Install handrails on both sides of all stairs that comply with guidelines. Handrails shall be provided on both sides of stairs. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4".] Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights. At the top of a stair flight, handrails shall extend horizontally above the landing for 12" minimum beginning directly above the first riser nosing. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

Quantity	Unit Cost	Total Cost
32 LF	203.75	\$ 6,520
Priority	1	57

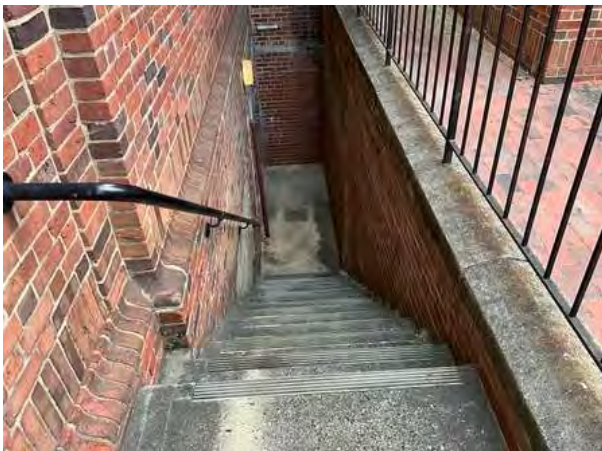


Map for Barrier ID: AX456208



8 35.912395292539514,-79.05485559959904

Photos for Barrier ID: AX456208





# Ackland Art Museum EXTERIOR

Assembly	Exterior Access Route
Type	Stairs
ADA Standard	505
Barrier Detail	Handrails are not compliant or are not provided.
Location Description	Stairs to Basement South Side S-5
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

Handrails are not provided on the inside of the steps. Existing handrail is 33 inches above the steps.

Resolution

Install handrails on both sides of all stairs that comply with guidelines. Handrails shall be provided on both sides of stairs. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs. Top of gripping surfaces of handrails shall be 34" minimum and 38" maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1-1/2" minimum. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20% of their length. Where provided, horizontal projections shall occur 1-1/2" minimum below the bottom of the handrail gripping surface. [EXCEPTIONS: 1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards. 2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8" for each 1/2" of additional handrail perimeter dimension that exceeds 4".] Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1-1/4" minimum and 2" maximum. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4" minimum and 6-1/4" maximum, and a cross-section dimension of 2-1/4" maximum. Handrail gripping surfaces and any surfaces adjacent to them shall be free of sharp or abrasive elements and shall have rounded edges. Handrails shall not rotate within their fittings. Handrail gripping surfaces shall extend beyond and in the same direction of stair flights. At the top of a stair flight, handrails shall extend horizontally above the landing for 12" minimum beginning directly above the first riser nosing. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight. [EXCEPTIONS: 1. Extensions shall not be required for continuous handrails at the inside turn of switchback or dogleg stairs and ramps AND 3. In alterations, full extensions of handrails shall not be required where such extensions would be hazardous due to plan configuration.] [ADVISORY: It is advisable, but not required, to provide a handrail at a height designed for children. When children are the principal users in a building or facility (e.g., elementary schools), a second set of handrails at an appropriate height can assist them and aid in preventing accidents. A maximum height of 28" measured to the top of the gripping surface from the ramp surface or stair nosing is recommended for handrails designed for children. Sufficient vertical clearance between upper and lower handrails, 9" minimum, should be provided to help prevent entrapment.]

Quantity	Unit Cost	Total Cost
32 LF	203.75	\$ 6,520
Priority	1	59

Map for Barrier ID: AX456210



10 +35.912712, -79.054882

Photos for Barrier ID: AX456210



# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
Type	Door
ADA Standard	404.2.10

Barrier Detail

The surface of the swinging door within 10 inches of the finish floor or ground for the full width of the door on the push side is not smooth.

Location Description	All Basement doors
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

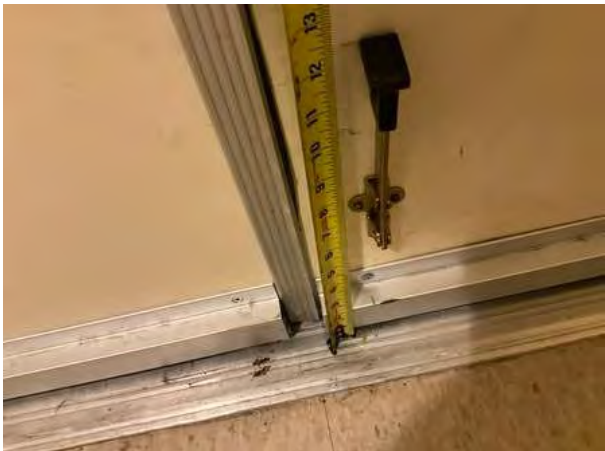
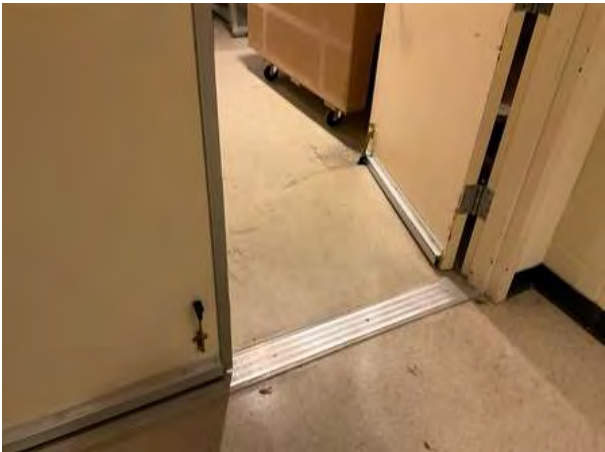
Doors in the basement have hold open devices mounted in the first 10 inches of the doors. for 20 doors

Resolution

Modify or replace the door to provide a smooth surface on the door within 10 inches of the finish floor or ground for the full width of the door on the push side. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch of the same plane as the other and be free of sharp or abrasive edges. Cavities created by added kick plates shall be capped.Swinging door and gate surfaces within 10 inches of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch of the same plane as the other. Cavities created by added kick plates shall be capped. [EXCEPTIONS: 1. Sliding doors shall not be required to comply. 2. Tempered glass doors without stiles and having a bottom rail or shoe with the top leading edge tapered at 60 degrees minimum from the horizontal shall not be required to meet the 10 inch bottom smooth surface height requirement. 3. Doors and gates that do not extend to within 10 inches of the finish floor or ground shall not be required to comply. 4. Existing doors and gates without smooth surfaces within 10 inches of the finish floor or ground shall not be required to provide smooth surfaces provided that if added kick plates are installed, cavities created by such kick plates are capped.]

Quantity	Unit Cost	Total Cost
20 EA	125.00	\$ 2,500
Priority	2	

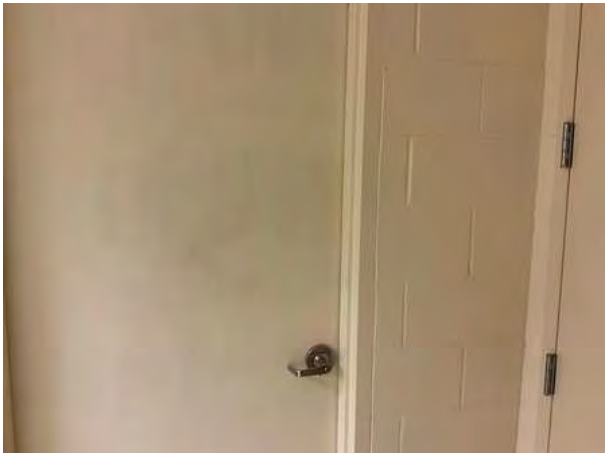




# Ackland Art Museum BASEMENT

Assembly	Interior Access Route	
Type	Signage	
ADA Standard	703.4	
Barrier Detail		
The existing signage is not mounted at the latch side of the door or at a compliant height.		
Location Description	All Basemet Rooms	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions	All rooms do not have proper signage.	
Resolution		
Remove and remount signage alongside the latch side of the door mounted at compliant height. Tactile characters on signs shall be located 48" minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60" maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character. [EXCEPTION: Tactile characters for elevator car controls shall not be required to comply.] Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18" minimum by 18" minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position [EXCEPTION: Signs with tactile characters shall be permitted on the push side of doors with closers and without hold-open devices.]		
Quantity	Unit Cost	Total Cost
26 EA	68.75	\$ 1,788
Priority	2	





# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
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Type	Reach Range
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ADA Standard	308, 309
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## Barrier Detail

Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.

Location Description	Basement Halon release.
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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## Site Conditions

The halon system pull is 53 inches from the finish floor. The abort button is 62 inches from the finish floor..

Height	53"-62"
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## Resolution

Relocate part to a compliant reach range. Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the finish floor or ground. Where the high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum. [EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10" maximum.] [ADVISORY for Children's Forward or Side Reach Ranges: High reach (maximum): 36" for ages 3 to 4; 40" for ages 5 to 8; and 44" for ages 9 to 12. Low reach (minimum): 20" for ages 3 to 4; 18" for ages 5 to 8; and 16" for ages 9 to 12.]

Quantity	Unit Cost	Total Cost
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2 EA	625.00	\$ 1,250
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Priority	2
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# Ackland Art Museum BASEMENT

Assembly	Common Areas	
Type	Dining And Work Surface	
ADA Standard	902.3	
Barrier Detail		
The dining or work surface does not have a minimum 28" and maximum 34" height with knee and toe clearance.		
Location Description	Basement Room 017	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions	The counter is 36 inches high by 4 feet in length and 25" deep	
Length	4'	
Height	36"	
Width	25"	
Resolution		
Install a dining or work surface with minimum 28" to maximum 34" height with adjacent clear space and compliant knee and toe clearance. A minimum of 5% section of the dining or work surface shall be compliant. Clear space shall be maximum 1:48 (2.08%) in all directions and a firm and stable surface. At least one dining table must be compliant. Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25 inches maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum. The height of a dining table shall be minimum 28" and maximum 34".		
Quantity	Unit Cost	Total Cost
4 LF	992.50	\$ 3,970
Priority	2	





# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
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Type	Sink
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ADA Standard	306.2 and 606.3
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## Barrier Detail

The sink rim is higher than 34", and does not have knee and toe clearance (does not apply to mop basins, utility sinks, or bar sinks).

Location Description	Basement Room 017
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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Site Conditions	The rim of the sink is 36 1/4 inches above the finish floor.
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Height	36 1/4"
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## Resolution

Relocate sink to compliant height with knee and toe clearances. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34" maximum above the finish floor or ground. Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25" maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum.

Quantity	Unit Cost	Total Cost
1 EA	900.00	\$ 900

Priority	2
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# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
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Type	Signage
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ADA Standard	216.2, 703.2; 703.3; 703.5
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## Barrier Detail

The interior signage does not have compliant visual and tactile characters, with raised or indented characters or symbols.

Location Description	Basement Room All offices
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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Site Conditions	Signage does not have raised characters or braille.
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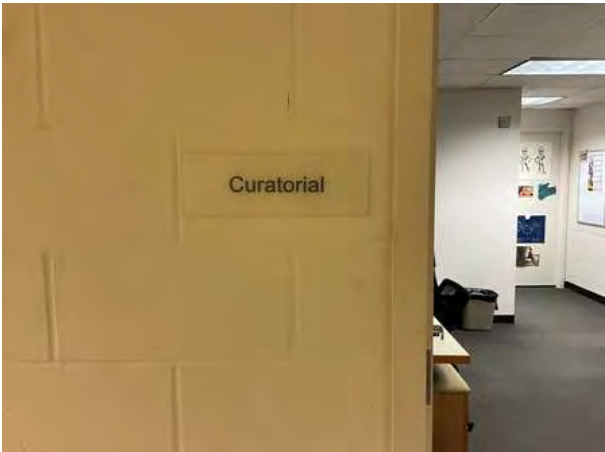
## Resolution

Remove and replace signage with compliant signage. Raised characters shall be compliant and shall be duplicated in Braille. Raised characters shall be as follows: Depth: Raised characters shall be 1/32" minimum above their background. Case: Characters shall be uppercase. Style: Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms. Character Proportions: Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 % minimum and 110 % maximum of the height of the uppercase letter "I". Character Height: Character height measured vertically from the baseline of the character shall be 5/8" minimum and 2" maximum based on the height of the uppercase letter "I". [EXCEPTION: Where separate raised and visual characters with the same information are provided, raised character height shall be permitted to be 1/2" minimum.] Tactile characters on signs shall be located 48" minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60" maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18" minimum by 18" minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position. [EXCEPTION: Signs with tactile characters shall be permitted on the push side of doors with closers and without hold-open devices.]

Quantity	Unit Cost	Total Cost
26 EA	68.75	\$ 1,788

Priority	2
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# Ackland Art Museum FIRST FLOOR

<b>Assembly</b>	Common Areas
<b>Type</b>	Dining And Work Surface
<b>ADA Standard</b>	902.3

## Barrier Detail

The dining or work surface does not have a minimum 28" and maximum 34" height with knee and toe clearance.

<b>Location Description</b>	First Floor Men's Restroom
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<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
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## Site Conditions

When open, the baby changing table is mounted 35 1/2 inches above the finish floor.

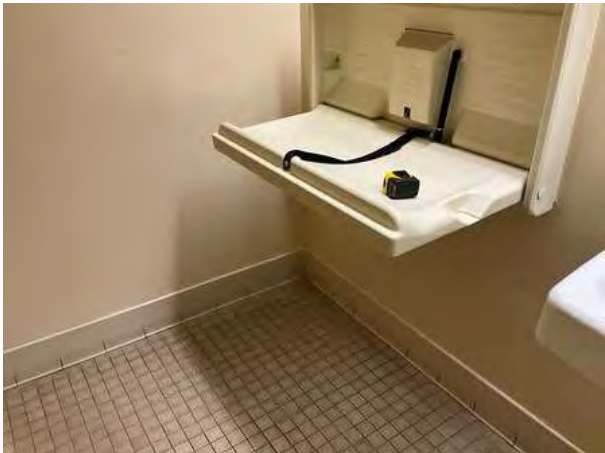
<b>Height</b>	35 1/2"
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## Resolution

Install a dining or work surface with minimum 28" to maximum 34" height with adjacent clear space and compliant knee and toe clearance. A minimum of 5% section of the dining or work surface shall be compliant. Clear space shall be maximum 1:48 (2.08%) in all directions and a firm and stable surface. At least one dining table must be compliant. Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25 inches maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum. The height of a dining table shall be minimum 28" and maximum 34".

Quantity	Unit Cost	Total Cost
1 EA	200.00	\$ 200

<b>Priority</b>	2
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# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
Type	Reach Range
ADA Standard	308, 309

**Barrier Detail**

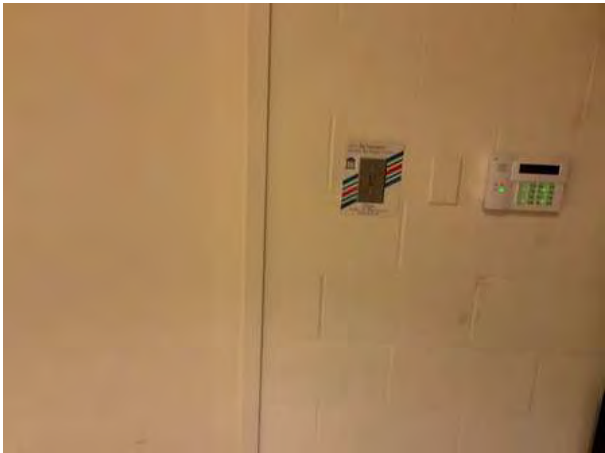
Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.

Location Description	Light Switches
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	Light switches are between 49" and 52" and comply with 1992 standards.

**Resolution**

Relocate part to a compliant reach range. Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the finish floor or ground. Where the high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum. [EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10" maximum.] [ADVISORY for Children's Forward or Side Reach Ranges: High reach (maximum): 36" for ages 3 to 4; 40" for ages 5 to 8; and 44" for ages 9 to 12. Low reach (minimum): 20" for ages 3 to 4; 18" for ages 5 to 8; and 16" for ages 9 to 12.]

Quantity	Unit Cost	Total Cost
2 EA	625.00	\$ 1,250
Priority	2	





# Ackland Art Museum FIRST FLOOR

Assembly	Interior Access Route
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Type	Reach Range
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ADA Standard	308, 309
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## Barrier Detail

Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.

Location Description	Room 112 Coat Closet
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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Site Conditions	The AED is 54 inches from the finish floor to the bottom of the handle.
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Height	54"
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## Resolution

Relocate part to a compliant reach range. Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the finish floor or ground. Where the high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum. [EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10" maximum.]

[ADVISORY for Children's Forward or Side Reach Ranges: High reach (maximum): 36" for ages 3 to 4; 40" for ages 5 to 8; and 44" for ages 9 to 12. Low reach (minimum): 20" for ages 3 to 4; 18" for ages 5 to 8; and 16" for ages 9 to 12.]

Quantity	Unit Cost	Total Cost
1 EA	500.00	\$ 500

Priority	2
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# Ackland Art Museum FIRST FLOOR

Assembly	Kitchen
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Type	Appliance
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ADA Standard	308
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## Barrier Detail

Items requiring a reach motion, but do not have an operable part, are not within compliant reach ranges.

Location Description	Room 122 Kitchen
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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## Site Conditions

The bottom of the microwave control panel is 57 1/2 inches above the finish floor.

Height	57 1/2"
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## Resolution

Ensure at least one of each type of dispenser is within reach range. Unobstructed Forward Reach: Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the finish floor or ground. Obstructed High Forward Reach: Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum. Unobstructed Side Reach: Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48" maximum and the low side reach shall be 15" minimum above the finish floor or ground. [EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10" maximum.] Obstructed High Side Reach: Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34" maximum and the depth of the obstruction shall be 24" maximum. The high side reach shall be 48" maximum for a reach depth of 10" maximum. Where the reach depth exceeds 10", the high side reach shall be 46" maximum for a reach depth of 24" maximum. [ADVISORY for Children's Forward or Side Reach Ranges: High reach (maximum): 36" for ages 3 to 4; 40" for ages 5 to 8; and 44" for ages 9 to 12. Low reach (minimum): 20" for ages 3 to 4; 18" for ages 5 to 8; and 16" for ages 9 to 12.]

Quantity	Unit Cost	Total Cost
1 EA	500.00	\$ 500

Priority	2
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# Ackland Art Museum FIRST FLOOR

Assembly	Kitchen
Type	Sink
ADA Standard	606.3

Barrier Detail

The accessible sink is not installed with the front of the higher of the rim or counter surface 34" maximum above finished floor.

Location Description	Room 122 Kitchen
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The sink is 36 1/4 inches above the finish floor.
Height	36 1/4"

Resolution

Reconfigure the sink so that the accessible sink is installed with the front of the higher of the rim or counter surface 34" maximum above finished floor.

Quantity	Unit Cost	Total Cost
1 EA	900.00	\$ 900
Priority	2	

Photos for Barrier ID: AX456262





# Ackland Art Museum BASEMENT

<b>Assembly</b>	Common Areas
<b>Type</b>	Dining And Work Surface
<b>ADA Standard</b>	902.3

## Barrier Detail

The dining or work surface does not have a minimum 28" and maximum 34" height with knee and toe clearance.

<b>Location Description</b>	Room 14 Carpentry
<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
<b>Site Conditions</b>	Counter is 36 inches high by 4 feet in length and 25" deep
<b>Length</b>	4'
<b>Height</b>	36"
<b>Width</b>	25"

## Resolution

Install a dining or work surface with minimum 28" to maximum 34" height with adjacent clear space and compliant knee and toe clearance. A minimum of 5% section of the dining or work surface shall be compliant. Clear space shall be maximum 1:48 (2.08%) in all directions and a firm and stable surface. At least one dining table must be compliant. Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25 inches maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum. The height of a dining table shall be minimum 28" and maximum 34".

Quantity	Unit Cost	Total Cost
4 LF	992.50	\$ 3,970
<b>Priority</b>	2	



# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
Type	Reach Range
ADA Standard	308.2.2

Barrier Detail

Items that require a forward reach motion to an element are located over an obstruction that prohibits clear floor space beneath the element.

Location Description	Room 14 Carpentry
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

The counter is 25 inches wide is 54 inches to the bottom of the eyewash station.

Height	54"
Width	25"

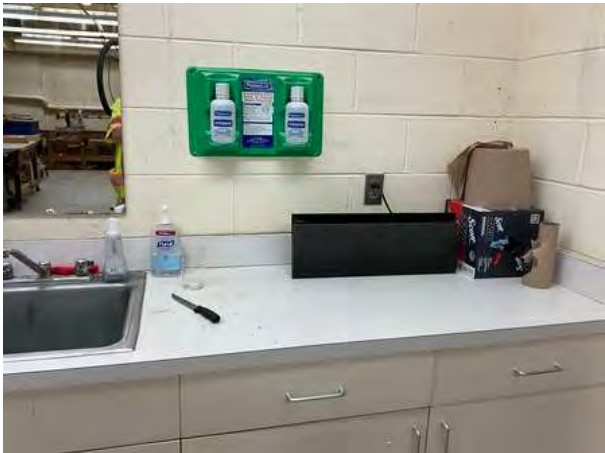
Resolution

Remove/redesign obstruction or redesign element to allow clear floor space beneath the obstruction for the full reach depth. Where a forward reach is obstructed, clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum.

Quantity	Unit Cost	Total Cost
1 EA	116.25	\$ 116

Priority	2
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# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
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Type	Reach Range
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ADA Standard	308, 309
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## Barrier Detail

Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.

Location Description	Room 14 Carpentry
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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Site Conditions	Operable part of the paper towel dispenser is at 62 inches above finish floor.
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Height	62"
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## Resolution

Relocate part to a compliant reach range. Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the finish floor or ground. Where the high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum. [EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10" maximum.]

[ADVISORY for Children's Forward or Side Reach Ranges: High reach (maximum): 36" for ages 3 to 4; 40" for ages 5 to 8; and 44" for ages 9 to 12. Low reach (minimum): 20" for ages 3 to 4; 18" for ages 5 to 8; and 16" for ages 9 to 12.]

Quantity	Unit Cost	Total Cost
1 EA	116.25	\$ 116

Priority	2
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# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
Type	Sink
ADA Standard	306.2 and 606.3
Barrier Detail	
The sink rim is higher than 34", and does not have knee and toe clearance (does not apply to mop basins, utility sinks, or bar sinks).	
Location Description	Room 14 Carpentry
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The rim of the sink is 36 1/2 inches above the finish floor.
Height	36 1/2"

Resolution

Relocate sink to compliant height with knee and toe clearances. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34" maximum above the finish floor or ground. Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25" maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum.

Quantity	Unit Cost	Total Cost
1 EA	900.00	\$ 900
Priority	2	



## Ackland Art Museum SECOND FLOOR

Assembly	Interior Access Route
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Type	Sink
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ADA Standard	306.2 and 606.3
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### Barrier Detail

The sink rim is higher than 34", and does not have knee and toe clearance (does not apply to mop basins, utility sinks, or bar sinks).

Location Description	Room 212
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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### Site Conditions

Rim of the sink is 35 1/2 inches above the finish floor. The controls are 27 1/2 inches from the face of the sink.

Height	35 1/2"
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Width	27 1/2"
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### Resolution

Relocate sink to compliant height with knee and toe clearances. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34" maximum above the finish floor or ground. Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25" maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum.

Quantity	Unit Cost	Total Cost
1 EA	900.00	\$ 900

Priority	2
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# Ackland Art Museum SECOND FLOOR

Assembly	Common Areas
Type	Dining And Work Surface
ADA Standard	902.3
Barrier Detail	
The dining or work surface does not have a minimum 28" and maximum 34" height with knee and toe clearance.	
Location Description	Second floor outside Unisex Restrooms
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The counter is mounted 36 inches above the finish floor.
Height	36"

Resolution

Install a dining or work surface with minimum 28" to maximum 34" height with adjacent clear space and compliant knee and toe clearance. A minimum of 5% section of the dining or work surface shall be compliant. Clear space shall be maximum 1:48 (2.08%) in all directions and a firm and stable surface. At least one dining table must be compliant. Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25 inches maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum. The height of a dining table shall be minimum 28" and maximum 34".

Quantity	Unit Cost	Total Cost
20 LF	992.50	\$ 19,850
Priority	2	



# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
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Type	Reach Range
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ADA Standard	308, 309
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## Barrier Detail

Items requiring an unobstructed forward reach motion are higher than 48" maximum or lower than 15" minimum height above finish floor.

Location Description	Security west lobby
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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Site Conditions	Buttons of the alarm system are at 48 1/2 inches above finish floor.
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Height	48 1/2"
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## Resolution

Relocate part to a compliant reach range. Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the finish floor or ground. Where the high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum. [EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10" maximum.]

[ADVISORY for Children's Forward or Side Reach Ranges: High reach (maximum): 36" for ages 3 to 4; 40" for ages 5 to 8; and 44" for ages 9 to 12. Low reach (minimum): 20" for ages 3 to 4; 18" for ages 5 to 8; and 16" for ages 9 to 12.]

Quantity	Unit Cost	Total Cost
1 EA	625.00	\$ 625

Priority	2
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# Ackland Art Museum BASEMENT

Assembly	Restroom	
Type	Restroom/Bathroom - Ambulatory Stall	
ADA Standard	604.3	
Barrier Detail		
The centerline of the toilet in the ambulatory stall is not 17" minimum to 19" maximum from the sidewall.		
Location Description	Basement Men's Restroom	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions	The centerline of the toilet is 20 3/4 inches from the sidewall.	
Resolution		
Provide a water closet with centerline 17" minimum to 19" maximum from the side wall or partition in the ambulatory stall. The water closet shall be positioned with a wall or partition to the rear and to one side. Water closets shall be arranged for a left-hand or right-hand approach. Clearance around a water closet shall be 60" minimum measured perpendicular from the side wall and 56" minimum measured perpendicular from the rear wall. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].		
Quantity	Unit Cost	Total Cost
1 EA	787.50	\$ 788
Priority	3	





# Ackland Art Museum BASEMENT

<b>Assembly</b>	Restroom
<b>Type</b>	Restroom/Bathroom - Ambulatory Stall
<b>ADA Standard</b>	213.3.1, 309, 404.2.7, 604.8.2

## Barrier Detail

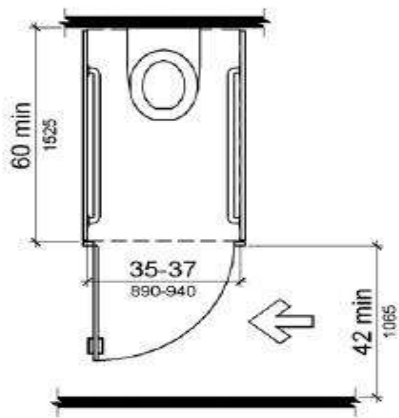
The ambulatory stall size is not compliant, or an ambulatory stall is not provided.

<b>Location Description</b>	Basement Men's Restroom
<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
<b>Site Conditions</b>	The ambulatory stall is 38 1/2 inches wide by 71 inches deep.

## Resolution

Provide a compliant ambulatory stall, where six or more toilet compartments are provided or where the combination of urinals and water closets totals six or more fixtures. An ambulatory stall is minimum 60" deep and the width is minimum 35" and maximum 37". Grab bars shall be provided on both sides of the compartment. The side grab bars shall be 33" minimum to 36" maximum above finish floor to the top of the gripping surface, except in children's (ages 3-12) water closets where horizontal grab bars shall be 18" minimum and 27" maximum above the finish floor to the top of the gripping surface. Horizontal grab bars should be installed at a consistent height. The side wall grab bars shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. The centerline of the toilet shall be minimum 17" to maximum 19" from the side wall. Toilet compartment doors for ambulatory stalls shall be minimum 32" wide when open 90 degrees and have minimum 80" high clearance. If the approach is to the latch side of the compartment door, clearance between the exterior side of the door of the compartment and any obstruction shall be 42" minimum. The door shall be self-closing. A compliant door pull shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19".]

Quantity	Unit Cost	Total Cost
1 EA	1,710.00	\$ 1,710
<b>Priority</b>	3	



# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Ambulatory Stall
ADA Standard	604.5.1; 604.8.2.3
Barrier Detail	The side grab bars are not compliant in the ambulatory stall.
Location Description	Basement Men's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The grab bars, extend 52 inches from the rear wall.

Resolution

Remove and install compliant side grab bars on each side of the ambulatory stall. The side wall grab bars shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. Grab bars shall be installed in a horizontal position, 33" minimum and 36" maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use, grab bars shall be installed in a horizontal position 18" minimum and 27" maximum above the finish floor measured to the top of the gripping surface. [EXCEPTIONS: 1. A water closet in a toilet room for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply. 2. In residential dwelling units, the height of water closets shall be permitted to be 15" minimum and 19" maximum above the finish floor measured to the top of the seat.] [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].

Quantity	Unit Cost	Total Cost
1 EA	887.50	\$ 888
Priority	3	





# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Door
ADA Standard	404.2.8

**Barrier Detail**

The accessible door with door closer has a sweep period of less than 5 seconds from 90 degrees to a position 12 degrees from latch.

Location Description	Basement Men's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

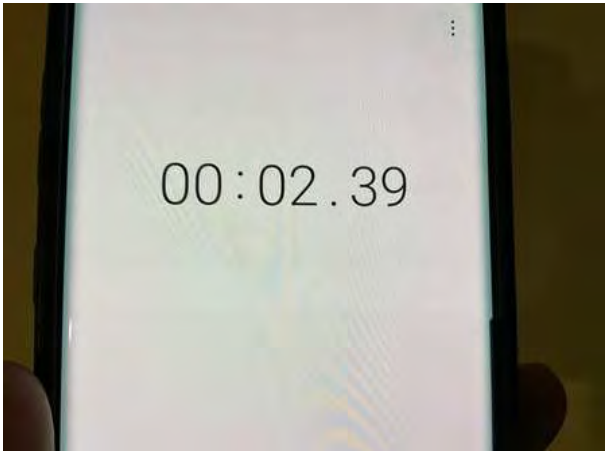
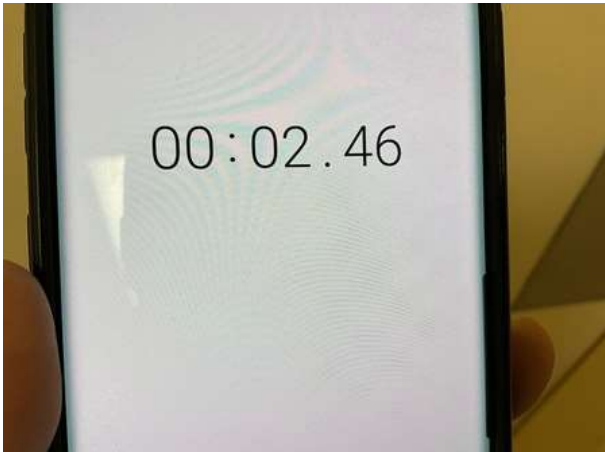
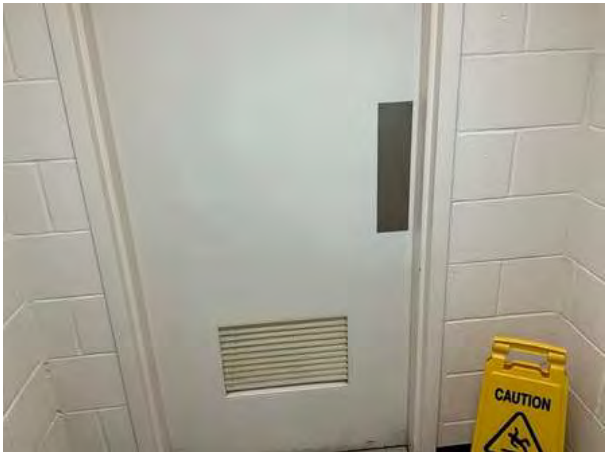
**Site Conditions**

The outer door takes 2.39 seconds the inner door takes 2.46 seconds to close from 90° to 12° off the door jam.

**Resolution**

Adjust closer or remove and replace closer to ensure that the door has a closure time of at least 5 seconds within 12 degrees of the latch. To be completed with ID: AX456246. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

Quantity	Unit Cost	Total Cost
2 EA	0.00	\$ 0
Priority	3	



# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	606.4; 309
Barrier Detail	The lavatory faucet hardware is not compliant.
Location Description	Basement Men's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The faucet requires tight grasping to operate.

**Resolution**

Provide push/lever hardware for the faucet. Replace faucet operating hardware with compliant handles. Operable parts, such as faucet hardware, shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum. Hand-operated metering faucets shall remain open for 10 seconds minimum. Provide a minimum of one accessible sink with push/lever hardware.

Quantity	Unit Cost	Total Cost
1 EA	693.75	\$ 694
Priority	3	

**Photos for Barrier ID: AX456253**



# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	213.3.4, 606.5
Barrier Detail	Pipes are not insulated.
Location Description	Basement Men's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The lavatory pipes are not insulated.

Resolution

Insulate water supply and drain pipes under the accessible lavatory. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. Pipes under lavatories and sinks shall be free from sharp or abrasive surfaces. A minimum of one lavatory in a multi-lavatory restroom shall be a compliant lavatory.

Quantity	Unit Cost	Total Cost
1 EA	81.25	\$ 81
Priority	3	

Photos for Barrier ID: AX456254



# Ackland Art Museum BASEMENT

<b>Assembly</b>	Restroom
<b>Type</b>	Restroom/Bathroom - Mirror
<b>ADA Standard</b>	213.3.5; 603.3

## Barrier Detail

The mirror is mounted higher than 40" above finish floor to the bottom of the reflective surface, where it is installed above a lavatory or counter.

<b>Location Description</b>	Basement Men's Restroom
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<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
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## Site Conditions

The two mirrors in the bathroom are 40 1/4" inches from the finish floor to the bottom of the reflective surface.

## Resolution

Remove and lower the mirror to a compliant height. Where mirrors are provided, at least one shall comply. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40" maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35" maximum above the finish floor or ground. [ADVISORY: A single full-length mirror can accommodate a greater number of people, including children. In order for mirrors to be usable by people who are ambulatory and people who use wheelchairs, the top edge of mirrors should be 74" minimum from the floor or ground.]

Quantity	Unit Cost	Total Cost
1 EA	250.00	\$ 250

<b>Priority</b>	3
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## Photos for Barrier ID: AX456255





# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Urinal
ADA Standard	213.3.3, 605.2
Barrier Detail	The urinal dimensions are not compliant.
Location Description	Basement Men's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The urinal is 18 1/4 inches above the finish floor.

Resolution

Replace or relocate the urinal. Urinals shall be the stall-type or the wall-hung type. Wall-hung urinals shall be installed with the rim 17" maximum above the finish floor or ground. Urinals shall be 13-1/2" deep minimum measured from the outer face of the urinal rim to the back of the fixture. Flush controls shall be hand operated or automatic. Flush controls shall be within allowable reach ranges.

Quantity	Unit Cost	Total Cost
1 EA	1,169.00	\$ 1,169
Priority	3	

Photos for Barrier ID: AX456252



# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Water Closet
ADA Standard	309, 404.2.7, 604.5.1, 604.6, 604.7, 604.8.1.1, 604.8.1.2, 604.8.1.5, 604.9, 609.3
Barrier Detail	A wheelchair stall is not provided in a multi-user restroom.
Location Description	Basement Men's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	A wheelchair stall is not provided in the men's restroom. Overall bathroom dimension is 9' by 11'.

## Resolution

Provide a compliant wheelchair stall with compliant elements in the multi-user restroom. Wheelchair accessible compartments with floor mounted water closets shall be 60" wide minimum measured perpendicular to the side wall and 59" deep minimum, measured perpendicular to the rear wall. Wheelchair accessible compartments with wall mounted water closets shall be 60" wide minimum measured perpendicular to the side wall and 56" deep minimum, measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use (ages 3 through 12) shall be 60" wide minimum measured perpendicular to the side wall, and 59" deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall. In addition, clear space of minimum 30" by 48" must be provided within the clearance area for transfer from a wheelchair. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 minimum to 18" maximum from the side wall or partition. Water closets shall be arranged for a left-hand or right-hand approach. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions, such as lavatories, shall be located within the required water closet clearance. Install a flush control on the open side of the water closet. Flush controls shall be hand operated or automatic. Hand operated flush controls shall be within a compliant reach range. Install compliant grab bars. Horizontal grab bars shall be installed at a consistent height above finish floor to the top of the gripping surface. The top of the gripping surface shall be minimum 33" and maximum 36" above finish floor. The rear wall grab bar shall be 36" long minimum and extend from the centerline of the water closet 12" minimum on one side and 24" minimum on the other side. [EXCEPTIONS: 1. The rear grab bar shall be permitted to be 24" long minimum, centered on the water closet, where wall space does not permit a length of 36" minimum due to the location of a recessed fixture adjacent to the water closet. 2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.] The side wall grab bar shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. Toilet paper dispensers shall be 7" minimum and 9" maximum in front of the water closet, measured to the centerline of the dispenser. The outlet of the dispenser shall be 15" minimum and 48" maximum above the finish floor and shall not be located behind grab bars. Where located below the side grab bar, the top of projecting toilet paper dispensers shall be located 1-1/2" minimum below the grab bar. Where located above the side grab bar, the bottom of the projecting toilet paper dispenser shall be located 12" minimum above the top of the gripping surface of the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"]. Toilet compartment doors for wheelchair stalls, including door hardware, shall comply except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42" minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4" maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4" maximum from the front partition. The wheelchair stall door shall be self-closing. A compliant door pull shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. Install door pulls near the latch on each side of wheelchair stall door. Handles, pulls, latches, locks, and other operable parts on doors and gates shall be compliant. Operable parts of such hardware shall be 34" minimum and 48" maximum above the finish floor or ground.

Quantity	Unit Cost	Total Cost
1 EA	3,437.50	\$ 3,438
Priority	3	



# Ackland Art Museum BASEMENT

<b>Assembly</b>	Restroom
<b>Type</b>	Restroom/Bathroom - Door
<b>ADA Standard</b>	404.2.9

## Barrier Detail

The force required to open the interior, hinged, non-fire door is more than 5 pounds.

<b>Location Description</b>	Basement Men's Restroom
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<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
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## Site Conditions

The outer restroom door takes 10 pounds of pressure to open the inner restroom door takes 10 pounds pressure to open.

## Resolution

Adjust closer or replace with an closer that requires no more 5 pounds of force to stop the door motion. To be completed with ID: AX456247. The maximum force for pushing or pulling open a door shall be for interior hinged doors: 5 lbs (22.2N). The force for pushing or pulling open a door or gate other than fire doors shall be as follows: 1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum. 2. Sliding or folding doors: 5 pounds (22.2 N) maximum. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position. Note: Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.

Quantity	Unit Cost	Total Cost
2 EA	457.50	\$ 915
<b>Priority</b>	3	





# Ackland Art Museum BASEMENT

<b>Assembly</b>	Restroom
<b>Type</b>	Controls And Dispensers
<b>ADA Standard</b>	606.1; 309.3
<b>Barrier Detail</b>	The height of controls are not compliant.
<b>Location Description</b>	Basement Women's Restroom
<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
<b>Site Conditions</b>	The soap dispenser is 53 1/2 inches from the finish floor to the operable part.
<b>Height</b>	53 1/2"

## Resolution

Provide operable parts of all controls, dispenser, receptacle and other operable equipment within at least one of the reach ranges. Operable parts shall be placed within one or more of the reach ranges. Unobstructed Forward Reach: Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the finish floor or ground. Obstructed High Forward Reach: Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum. Unobstructed Side Reach: Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48" maximum and the low side reach shall be 15" minimum above the finish floor or ground. [EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10" maximum.] Obstructed High Side Reach: Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34" maximum and the depth of the obstruction shall be 24" maximum. The high side reach shall be 48" maximum for a reach depth of 10" maximum. Where the reach depth exceeds 10", the high side reach shall be 46" maximum for a reach depth of 24" maximum. [ADVISORY for Children's Forward or Side Reach Ranges: High reach (maximum): 36" for ages 3 to 4; 40" for ages 5 to 8; and 44" for ages 9 to 12. Low reach (minimum): 20" for ages 3 to 4; 18" for ages 5 to 8; and 16" for ages 9 to 12.]

Quantity	Unit Cost	Total Cost
1 EA	250.00	\$ 250
<b>Priority</b>	3	



# Ackland Art Museum BASEMENT

Assembly	Restroom	
Type	Restroom/Bathroom - Ambulatory Stall	
ADA Standard	604.3	
Barrier Detail		
The centerline of the toilet in the ambulatory stall is not 17" minimum to 19" maximum from the sidewall.		
Location Description	Basement Women's Restroom	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions	The centerline of the toilet is 20 3/4 inches from the sidewall.	
Resolution		
Provide a water closet with centerline 17" minimum to 19" maximum from the side wall or partition in the ambulatory stall. The water closet shall be positioned with a wall or partition to the rear and to one side. Water closets shall be arranged for a left-hand or right-hand approach. Clearance around a water closet shall be 60" minimum measured perpendicular from the side wall and 56" minimum measured perpendicular from the rear wall. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].		
Quantity	Unit Cost	Total Cost
1 EA	787.50	\$ 788
Priority	3	





# Ackland Art Museum BASEMENT

Assembly	Restroom
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Type	Restroom/Bathroom - Ambulatory Stall
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ADA Standard	213.3.1, 309, 404.2.7, 604.8.2
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## Barrier Detail

The ambulatory stall size is not compliant, or an ambulatory stall is not provided.

Location Description	Basement Women's Restroom
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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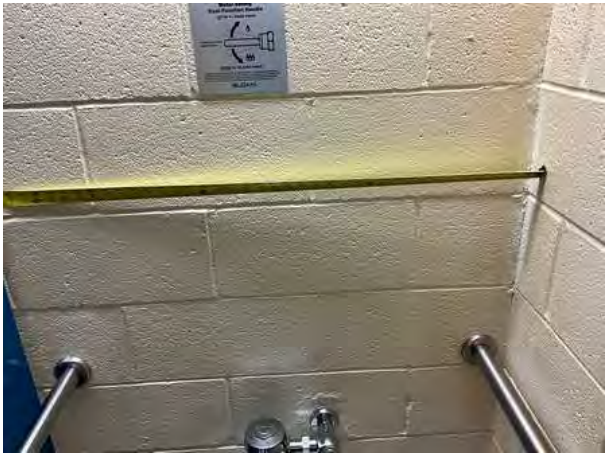
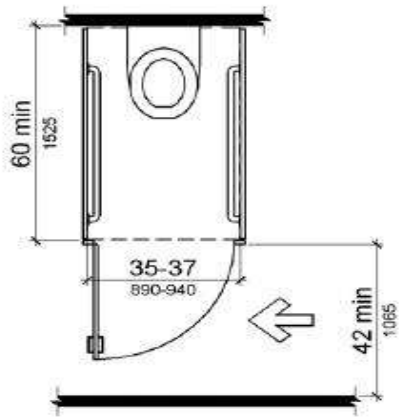
Site Conditions	The ambulatory stall is 39 1/2 inches wide by 72 1/2 inches deep
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## Resolution

Provide a compliant ambulatory stall, where six or more toilet compartments are provided or where the combination of urinals and water closets totals six or more fixtures. An ambulatory stall is minimum 60" deep and the width is minimum 35" and maximum 37". Grab bars shall be provided on both sides of the compartment. The side grab bars shall be 33" minimum to 36" maximum above finish floor to the top of the gripping surface, except in children's (ages 3-12) water closets where horizontal grab bars shall be 18" minimum and 27" maximum above the finish floor to the top of the gripping surface. Horizontal grab bars should be installed at a consistent height. The side wall grab bars shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. The centerline of the toilet shall be minimum 17" to maximum 19" from the side wall. Toilet compartment doors for ambulatory stalls shall be minimum 32" wide when open 90 degrees and have minimum 80" high clearance. If the approach is to the latch side of the compartment door, clearance between the exterior side of the door of the compartment and any obstruction shall be 42" minimum. The door shall be self-closing. A compliant door pull shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19".]

Quantity	Unit Cost	Total Cost
1 EA	1,710.00	\$ 1,710

Priority	3
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# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Ambulatory Stall
ADA Standard	604.5.1; 604.8.2.3
Barrier Detail	The side grab bars are not compliant in the ambulatory stall.
Location Description	Basement Women's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The grab bars, extend 52 inches from the rear wall.

Resolution

Remove and install compliant side grab bars on each side of the ambulatory stall. The side wall grab bars shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. Grab bars shall be installed in a horizontal position, 33" minimum and 36" maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use, grab bars shall be installed in a horizontal position 18" minimum and 27" maximum above the finish floor measured to the top of the gripping surface. [EXCEPTIONS: 1. A water closet in a toilet room for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply. 2. In residential dwelling units, the height of water closets shall be permitted to be 15" minimum and 19" maximum above the finish floor measured to the top of the seat.] [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].

Quantity	Unit Cost	Total Cost
2 EA	887.50	\$ 1,775
Priority	3	



# Ackland Art Museum BASEMENT

<b>Assembly</b>	Restroom
<b>Type</b>	Restroom/Bathroom - Door
<b>ADA Standard</b>	404.2.9

## Barrier Detail

The force required to open the interior, hinged, non-fire door is more than 5 pounds.

<b>Location Description</b>	Basement Women's Restroom
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<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
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## Site Conditions

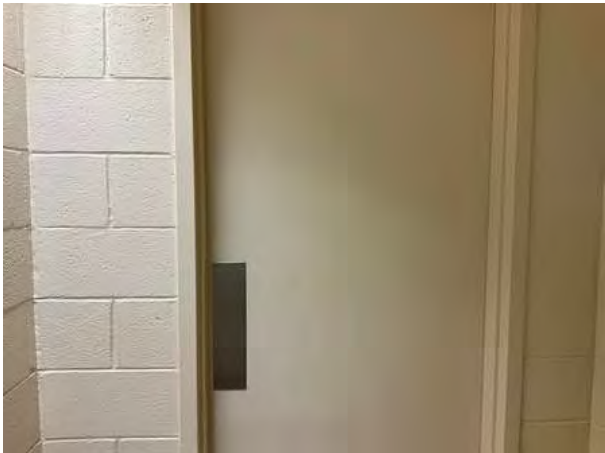
The outer restroom door takes 10 pounds of pressure to open the inner restroom door takes 17 pounds pressure to open.

## Resolution

Adjust closer or replace with an closer that requires no more 5 pounds of force to stop the door motion. o be completed along with ID: AX456235. The maximum force for pushing or pulling open a door shall be for interior hinged doors: 5 lbs (22.2N). The force for pushing or pulling open a door or gate other than fire doors shall be as follows: 1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum. 2. Sliding or folding doors: 5 pounds (22.2 N) maximum. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position. Note: Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.

Quantity	Unit Cost	Total Cost
2 EA	457.50	\$ 915
<b>Priority</b>	3	





# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Door
ADA Standard	404.2.8

**Barrier Detail**

The accessible door with door closer has a sweep period of less than 5 seconds from 90 degrees to a position 12 degrees from latch.

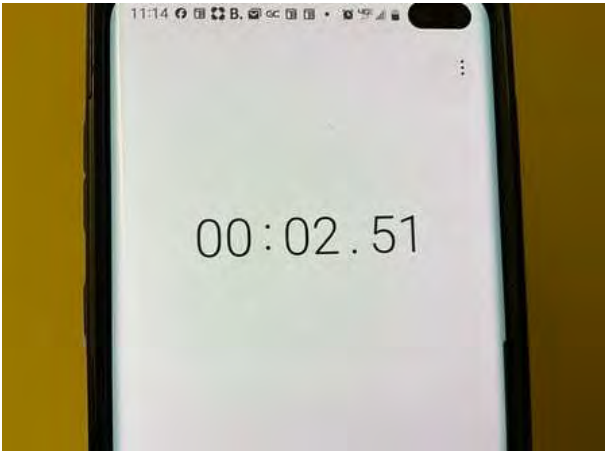
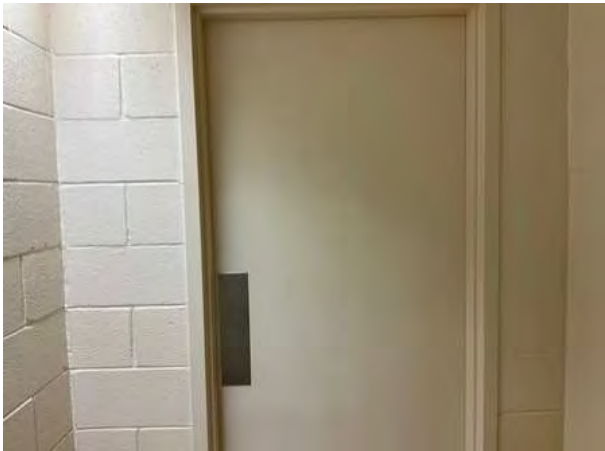
Location Description	Basement Women's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The inner door takes 2.51 seconds to close from 90° to 12° off the door jam.

**Resolution**

Adjust closer or remove and replace closer to ensure that the door has a closure time of at least 5 seconds within 12 degrees of the latch. To be completed along with ID: AX456234. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

Quantity	Unit Cost	Total Cost
1 EA	0.00	\$ 0
Priority	3	

**Photos for Barrier ID: AX456235**



# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	606.4; 309
Barrier Detail	The lavatory faucet hardware is not compliant.
Location Description	Basement Women's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The faucet requires tight grasping to operate.

**Resolution**

Provide push/lever hardware for the faucet. Replace faucet operating hardware with compliant handles. Operable parts, such as faucet hardware, shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum. Hand-operated metering faucets shall remain open for 10 seconds minimum. Provide a minimum of one accessible sink with push/lever hardware.

Quantity	Unit Cost	Total Cost
1 EA	693.75	\$ 694
Priority	3	

**Photos for Barrier ID: AX456240**



# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	213.3.4, 606.5
Barrier Detail	Pipes are not insulated.
Location Description	Basement Women's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The lavatory pipes are not insulated.

**Resolution**

Insulate water supply and drain pipes under the accessible lavatory. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. Pipes under lavatories and sinks shall be free from sharp or abrasive surfaces. A minimum of one lavatory in a multi-lavatory restroom shall be a compliant lavatory.

Quantity	Unit Cost	Total Cost
1 EA	81.25	\$ 81
Priority	3	

**Photos for Barrier ID: AX456241**



# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Mirror
ADA Standard	213.3.5; 603.3

**Barrier Detail**

The mirror is mounted higher than 40" above finish floor to the bottom of the reflective surface, where it is installed above a lavatory or counter.

Location Description	Basement Women's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

**Site Conditions**

The two mirrors in the bathroom are 42 inches from the finish floor to the bottom of the reflective surface.

**Resolution**

Remove and lower the mirror to a compliant height. Where mirrors are provided, at least one shall comply. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40" maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35" maximum above the finish floor or ground. [ADVISORY: A single full-length mirror can accommodate a greater number of people, including children. In order for mirrors to be usable by people who are ambulatory and people who use wheelchairs, the top edge of mirrors should be 74" minimum from the floor or ground.]

Quantity	Unit Cost	Total Cost
1 EA	250.00	\$ 250
Priority	3	

**Photos for Barrier ID: AX456242**





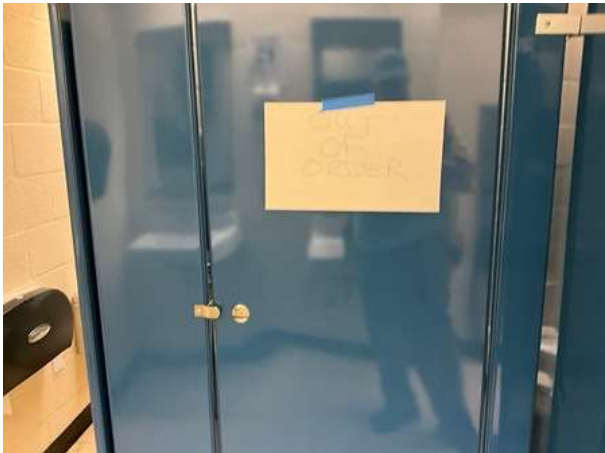
# Ackland Art Museum BASEMENT

Assembly	Restroom
Type	Restroom/Bathroom - Water Closet
ADA Standard	309, 404.2.7, 604.5.1, 604.6, 604.7, 604.8.1.1, 604.8.1.2, 604.8.1.5, 604.9, 609.3
Barrier Detail	A wheelchair stall is not provided in a multi-user restroom.
Location Description	Basement Women's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	A wheelchair stall is not provided in the women's restroom. Overall bathroom dimension is 9' by 10'8".

## Resolution

Provide a compliant wheelchair stall with compliant elements in the multi-user restroom. Wheelchair accessible compartments with floor mounted water closets shall be 60" wide minimum measured perpendicular to the side wall and 59" deep minimum, measured perpendicular to the rear wall. Wheelchair accessible compartments with wall mounted water closets shall be 60" wide minimum measured perpendicular to the side wall and 56" deep minimum, measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use (ages 3 through 12) shall be 60" wide minimum measured perpendicular to the side wall, and 59" deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall. In addition, clear space of minimum 30" by 48" must be provided within the clearance area for transfer from a wheelchair. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 minimum to 18" maximum from the side wall or partition. Water closets shall be arranged for a left-hand or right-hand approach. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions, such as lavatories, shall be located within the required water closet clearance. Install a flush control on the open side of the water closet. Flush controls shall be hand operated or automatic. Hand operated flush controls shall be within a compliant reach range. Install compliant grab bars. Horizontal grab bars shall be installed at a consistent height above finish floor to the top of the gripping surface. The top of the gripping surface shall be minimum 33" and maximum 36" above finish floor. The rear wall grab bar shall be 36" long minimum and extend from the centerline of the water closet 12" minimum on one side and 24" minimum on the other side. [EXCEPTIONS: 1. The rear grab bar shall be permitted to be 24" long minimum, centered on the water closet, where wall space does not permit a length of 36" minimum due to the location of a recessed fixture adjacent to the water closet. 2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.] The side wall grab bar shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. Toilet paper dispensers shall be 7" minimum and 9" maximum in front of the water closet, measured to the centerline of the dispenser. The outlet of the dispenser shall be 15" minimum and 48" maximum above the finish floor and shall not be located behind grab bars. Where located below the side grab bar, the top of projecting toilet paper dispensers shall be located 1-1/2" minimum below the grab bar. Where located above the side grab bar, the bottom of the projecting toilet paper dispenser shall be located 12" minimum above the top of the gripping surface of the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"]. Toilet compartment doors for wheelchair stalls, including door hardware, shall comply except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42" minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4" maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4" maximum from the front partition. The wheelchair stall door shall be self-closing. A compliant door pull shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. Install door pulls near the latch on each side of wheelchair stall door. Handles, pulls, latches, locks, and other operable parts on doors and gates shall be compliant. Operable parts of such hardware shall be 34" minimum and 48" maximum above the finish floor or ground.

Quantity	Unit Cost	Total Cost
1 EA	3,437.50	\$ 3,438
Priority	3	



# Ackland Art Museum SECOND FLOOR

Assembly	Interior Access Route
Type	Elevator
ADA Standard	407.2.3
Barrier Detail	The hoistway signage is not compliant.
Location Description	Elevator
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	Hostway signage on floor 1 is missing the stars.

Resolution

Install floor designation signs in both tactile and Braille located at both jambs of each elevator hoistway entrance. Floor designations shall be provided on both jambs of elevator hoistway entrances. Floor designations shall be provided in both tactile characters and Braille. Tactile characters shall be 2" high minimum. A tactile star shall be provided on both jambs at the main entry level. The outside of the star shall be 2" minimum height, and all points shall be of equal length. Raised characters, including the star, shall be white on a black background. Compliant Braille shall be placed below the corresponding characters and the star. The Braille translation for the star shall be "MAIN". Tactile characters on signs shall be located 48" minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60" maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character. Hoistway jamb signage shall be located 48" minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60" maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character. Applied plates are acceptable if they are permanently fixed to the jamb.

Quantity	Unit Cost	Total Cost
1 EA	350.00	\$ 350
Priority	3	

Photos for Barrier ID: AX456287



# Ackland Art Museum FIRST FLOOR

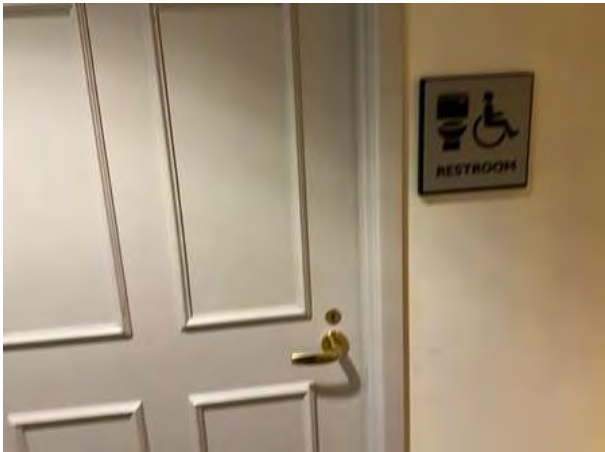
Assembly	Restroom
Type	Restroom/Bathroom - Door
ADA Standard	404.2.9
Barrier Detail	
The force required to open the interior, hinged, non-fire door is more than 5 pounds.	
Location Description	First Floor accessible unisex Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The unisex restroom door takes 10 pounds of pressure to open.

Resolution

Adjust closer or replace with an closer that requires no more 5 pounds of force to stop the door motion. The maximum force for pushing or pulling open a door shall be for interior hinged doors: 5 lbs (22.2N). The force for pushing or pulling open a door or gate other than fire doors shall be as follows: 1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum. 2. Sliding or folding doors: 5 pounds (22.2 N) maximum. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position. Note: Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.

Quantity	Unit Cost	Total Cost
1 EA	457.50	\$ 458
Priority	3	

Photos for Barrier ID: AX456279





# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Mirror
ADA Standard	404.2.9
Barrier Detail	
The force required to open the interior, hinged, non-fire door is more than 5 pounds.	
Location Description	First Floor accessible unisex Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

The mirror is 40 3/4 inches from the finished floor to the bottom of the reflective surface.

Resolution

Adjust closer or replace with an closer that requires no more 5 pounds of force to stop the door motion. The maximum force for pushing or pulling open a door shall be for interior hinged doors: 5 lbs (22.2N). The force for pushing or pulling open a door or gate other than fire doors shall be as follows: 1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum. 2. Sliding or folding doors: 5 pounds (22.2 N) maximum. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position. Note: Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.

Quantity	Unit Cost	Total Cost
1 EA	457.50	\$ 458
Priority	3	

Photos for Barrier ID: AX456280



# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Water Closet
ADA Standard	ADA 604.7, 609.3; 2009 ANSI A117.1-604.7
Barrier Detail	NORTH CAROLINA: The toilet paper dispenser location is not compliant.
Location Description	First Floor accessible unisex Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

The centerline of the toilet paper dispenser is 2 1/2 inches from the nose of the toilet.

Resolution

Relocate the toilet paper dispenser. The centerline of the toilet paper dispenser shall be 7"- 9" in front of the water closet. Toilet paper dispenser outlets shall be 18" minimum to 48" maximum above finish floor, with the outlets not located behind grab bars. The space between a grab bar and projecting objects above the top of the gripping surface of the grab bar shall be 12" minimum, and the space below the grab bar and projecting objects below the bottom of the grab bar shall be minimum 1-1/2" from the grab bar. Projecting toilet paper dispensers located above the horizontal side grab bar shall be minimum 12" from the top gripping surface of the side grab bar. Projecting toilet paper dispensers located below the grab bar shall be minimum 1-1/2" from the bottom of the horizontal side grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow. [Advisory 604.7 Dispensers. If toilet paper dispensers are installed above the side wall grab bar, the outlet of the toilet paper dispenser must be 48" maximum above the finish floor and the top of the gripping surface of the grab bar must be 33" minimum and 36" maximum above the finish floor.]

Quantity	Unit Cost	Total Cost
1 EA	366.25	\$ 366
Priority	3	

Photos for Barrier ID: AX456281



# Ackland Art Museum FIRST FLOOR

Assembly	Restroom	
Type	Restroom/Bathroom - Ambulatory Stall	
ADA Standard	604.3	
Barrier Detail		
The centerline of the toilet in the ambulatory stall is not 17" minimum to 19" maximum from the sidewall.		
Location Description	First Floor Men's Restroom	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions	The centerline of the toilet is 20 inches from the sidewall.	
Resolution		
Provide a water closet with centerline 17" minimum to 19" maximum from the side wall or partition in the ambulatory stall. The water closet shall be positioned with a wall or partition to the rear and to one side. Water closets shall be arranged for a left-hand or right-hand approach. Clearance around a water closet shall be 60" minimum measured perpendicular from the side wall and 56" minimum measured perpendicular from the rear wall. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].		
Quantity	Unit Cost	Total Cost
1 EA	787.50	\$ 788
Priority	3	



# Ackland Art Museum FIRST FLOOR

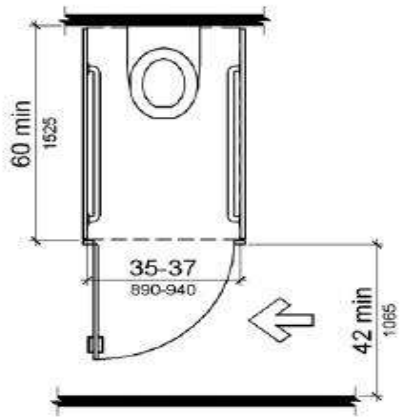
<b>Assembly</b>	Restroom
<b>Type</b>	Restroom/Bathroom - Ambulatory Stall
<b>ADA Standard</b>	213.3.1, 309, 404.2.7, 604.8.2
<b>Barrier Detail</b>	
The ambulatory stall size is not compliant, or an ambulatory stall is not provided.	
<b>Location Description</b>	First Floor Men's Restroom
<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
<b>Site Conditions</b>	The ambulatory stall is 40 inches wide by 70 inches deep.

## Resolution

Provide a compliant ambulatory stall, where six or more toilet compartments are provided or where the combination of urinals and water closets totals six or more fixtures. An ambulatory stall is minimum 60" deep and the width is minimum 35" and maximum 37". Grab bars shall be provided on both sides of the compartment. The side grab bars shall be 33" minimum to 36" maximum above finish floor to the top of the gripping surface, except in children's (ages 3-12) water closets where horizontal grab bars shall be 18" minimum and 27" maximum above the finish floor to the top of the gripping surface. Horizontal grab bars should be installed at a consistent height. The side wall grab bars shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. The centerline of the toilet shall be minimum 17" to maximum 19" from the side wall. Toilet compartment doors for ambulatory stalls shall be minimum 32" wide when open 90 degrees and have minimum 80" high clearance. If the approach is to the latch side of the compartment door, clearance between the exterior side of the door of the compartment and any obstruction shall be 42" minimum. The door shall be self-closing. A compliant door pull shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19".]

Quantity	Unit Cost	Total Cost
1 EA	1,710.00	\$ 1,710
<b>Priority</b>	3	





# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Ambulatory Stall
ADA Standard	604.5.1; 604.8.2.3
Barrier Detail	The side grab bars are not compliant in the ambulatory stall.
Location Description	First Floor Men's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The grab bars, extend 52 inches from the rear wall.

Resolution

Remove and install compliant side grab bars on each side of the ambulatory stall. The side wall grab bars shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. Grab bars shall be installed in a horizontal position, 33" minimum and 36" maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use, grab bars shall be installed in a horizontal position 18" minimum and 27" maximum above the finish floor measured to the top of the gripping surface. [EXCEPTIONS: 1. A water closet in a toilet room for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply. 2. In residential dwelling units, the height of water closets shall be permitted to be 15" minimum and 19" maximum above the finish floor measured to the top of the seat.] [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].

Quantity	Unit Cost	Total Cost
1 EA	887.50	\$ 888
Priority	3	



# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	606.4; 309
Barrier Detail	The lavatory faucet hardware is not compliant.
Location Description	First Floor Men's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The faucet requires tight grasping to operate.

**Resolution**

Provide push/lever hardware for the faucet. Replace faucet operating hardware with compliant handles. Operable parts, such as faucet hardware, shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum. Hand-operated metering faucets shall remain open for 10 seconds minimum. Provide a minimum of one accessible sink with push/lever hardware.

Quantity	Unit Cost	Total Cost
1 EA	693.75	\$ 694
Priority	3	

**Photos for Barrier ID: AX456276**



# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	213.3.4, 606.5
Barrier Detail	Pipes are not insulated.
Location Description	First Floor Men's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The lavatory pipes are not insulated.

**Resolution**

Insulate water supply and drain pipes under the accessible lavatory. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. Pipes under lavatories and sinks shall be free from sharp or abrasive surfaces. A minimum of one lavatory in a multi-lavatory restroom shall be a compliant lavatory.

Quantity	Unit Cost	Total Cost
1 EA	81.25	\$ 81
Priority	3	

**Photos for Barrier ID: AX456277**





# Ackland Art Museum FIRST FLOOR

<b>Assembly</b>	Restroom
<b>Type</b>	Restroom/Bathroom - Mirror
<b>ADA Standard</b>	213.3.5; 603.3

## Barrier Detail

The mirror is mounted higher than 40" above finish floor to the bottom of the reflective surface, where it is installed above a lavatory or counter.

<b>Location Description</b>	First Floor Men's Restroom
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<b>Observed</b>	May 22, 2024 by Brian.rogers@bureauveritas.com
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## Site Conditions

The mirror in the bathroom is 40 1/4" inches from the finish floor to the bottom of the reflective surface.

## Resolution

Remove and lower the mirror to a compliant height. Where mirrors are provided, at least one shall comply. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40" maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35" maximum above the finish floor or ground. [ADVISORY: A single full-length mirror can accommodate a greater number of people, including children. In order for mirrors to be usable by people who are ambulatory and people who use wheelchairs, the top edge of mirrors should be 74" minimum from the floor or ground.]

Quantity	Unit Cost	Total Cost
1 EA	250.00	\$ 250
<b>Priority</b>	3	

## Photos for Barrier ID: AX456278



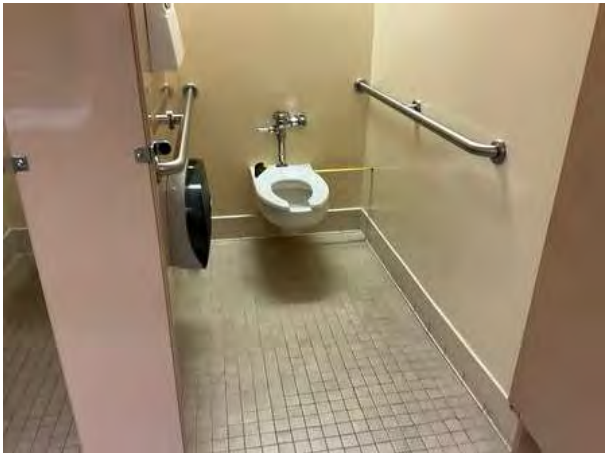
# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Water Closet
ADA Standard	309, 404.2.7, 604.5.1, 604.6, 604.7, 604.8.1.1, 604.8.1.2, 604.8.1.5, 604.9, 609.3
Barrier Detail	A wheelchair stall is not provided in a multi-user restroom.
Location Description	First Floor Men's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	A wheelchair stall is not provided in the women's restroom. Overall bathroom dimension is 6'6" by 12'. Note: a single user unisex and accessible restroom is supplied between the women's and men's restroom.

## Resolution

Provide a compliant wheelchair stall with compliant elements in the multi-user restroom. Wheelchair accessible compartments with floor mounted water closets shall be 60" wide minimum measured perpendicular to the side wall and 59" deep minimum, measured perpendicular to the rear wall. Wheelchair accessible compartments with wall mounted water closets shall be 60" wide minimum measured perpendicular to the side wall and 56" deep minimum, measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use (ages 3 through 12) shall be 60" wide minimum measured perpendicular to the side wall, and 59" deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall. In addition, clear space of minimum 30" by 48" must be provided within the clearance area for transfer from a wheelchair. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 minimum to 18" maximum from the side wall or partition. Water closets shall be arranged for a left-hand or right-hand approach. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions, such as lavatories, shall be located within the required water closet clearance. Install a flush control on the open side of the water closet. Flush controls shall be hand operated or automatic. Hand operated flush controls shall be within a compliant reach range. Install compliant grab bars. Horizontal grab bars shall be installed at a consistent height above finish floor to the top of the gripping surface. The top of the gripping surface shall be minimum 33" and maximum 36" above finish floor. The rear wall grab bar shall be 36" long minimum and extend from the centerline of the water closet 12" minimum on one side and 24" minimum on the other side. [EXCEPTIONS: 1. The rear grab bar shall be permitted to be 24" long minimum, centered on the water closet, where wall space does not permit a length of 36" minimum due to the location of a recessed fixture adjacent to the water closet. 2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.] The side wall grab bar shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. Toilet paper dispensers shall be 7" minimum and 9" maximum in front of the water closet, measured to the centerline of the dispenser. The outlet of the dispenser shall be 15" minimum and 48" maximum above the finish floor and shall not be located behind grab bars. Where located below the side grab bar, the top of projecting toilet paper dispensers shall be located 1-1/2" minimum below the grab bar. Where located above the side grab bar, the bottom of the projecting toilet paper dispenser shall be located 12" minimum above the top of the gripping surface of the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"]. Toilet compartment doors for wheelchair stalls, including door hardware, shall comply except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42" minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4" maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4" maximum from the front partition. The wheelchair stall door shall be self-closing. A compliant door pull shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. Install door pulls near the latch on each side of wheelchair stall door. Handles, pulls, latches, locks, and other operable parts on doors and gates shall be compliant. Operable parts of such hardware shall be 34" minimum and 48" maximum above the finish floor or ground.

Quantity	Unit Cost	Total Cost
1 EA	3,437.50	\$ 3,438
Priority	3	



# Ackland Art Museum FIRST FLOOR

Assembly	Restroom	
Type	Restroom/Bathroom - Ambulatory Stall	
ADA Standard	604.3	
Barrier Detail		
The centerline of the toilet in the ambulatory stall is not 17" minimum to 19" maximum from the sidewall.		
Location Description	First Floor Women's Restroom	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions	The centerline of the toilet is 20 inches from the sidewall.	
Resolution		
Provide a water closet with centerline 17" minimum to 19" maximum from the side wall or partition in the ambulatory stall. The water closet shall be positioned with a wall or partition to the rear and to one side. Water closets shall be arranged for a left-hand or right-hand approach. Clearance around a water closet shall be 60" minimum measured perpendicular from the side wall and 56" minimum measured perpendicular from the rear wall. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].		
Quantity	Unit Cost	Total Cost
1 EA	787.50	\$ 788
Priority	3	





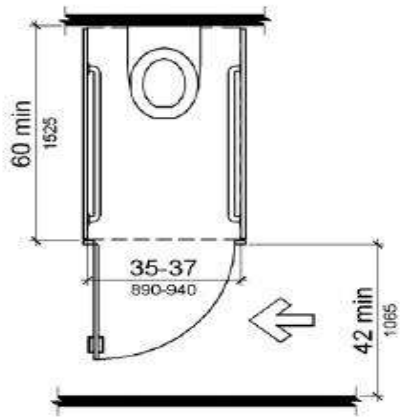
# Ackland Art Museum FIRST FLOOR

<b>Assembly</b>	Restroom
<b>Type</b>	Restroom/Bathroom - Ambulatory Stall
<b>ADA Standard</b>	213.3.1, 309, 404.2.7, 604.8.2
<b>Barrier Detail</b>	
The ambulatory stall size is not compliant, or an ambulatory stall is not provided.	
<b>Location Description</b>	First Floor Women's Restroom
<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
<b>Site Conditions</b>	The ambulatory stall is 40 inches wide by 70 1/2 inches deep.

## Resolution

Provide a compliant ambulatory stall, where six or more toilet compartments are provided or where the combination of urinals and water closets totals six or more fixtures. An ambulatory stall is minimum 60" deep and the width is minimum 35" and maximum 37". Grab bars shall be provided on both sides of the compartment. The side grab bars shall be 33" minimum to 36" maximum above finish floor to the top of the gripping surface, except in children's (ages 3-12) water closets where horizontal grab bars shall be 18" minimum and 27" maximum above the finish floor to the top of the gripping surface. Horizontal grab bars should be installed at a consistent height. The side wall grab bars shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. The centerline of the toilet shall be minimum 17" to maximum 19" from the side wall. Toilet compartment doors for ambulatory stalls shall be minimum 32" wide when open 90 degrees and have minimum 80" high clearance. If the approach is to the latch side of the compartment door, clearance between the exterior side of the door of the compartment and any obstruction shall be 42" minimum. The door shall be self-closing. A compliant door pull shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19".]

Quantity	Unit Cost	Total Cost
1 EA	1,710.00	\$ 1,710
<b>Priority</b>	3	



# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Ambulatory Stall
ADA Standard	604.5.1; 604.8.2.3
Barrier Detail	The side grab bars are not compliant in the ambulatory stall.
Location Description	First Floor Women's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The grab bars extend 52 inches from the rear wall.

Resolution

Remove and install compliant side grab bars on each side of the ambulatory stall. The side wall grab bars shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. Grab bars shall be installed in a horizontal position, 33" minimum and 36" maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use, grab bars shall be installed in a horizontal position 18" minimum and 27" maximum above the finish floor measured to the top of the gripping surface. [EXCEPTIONS: 1. A water closet in a toilet room for a single occupant accessed only through a private office and not for common use or public use shall not be required to comply. 2. In residential dwelling units, the height of water closets shall be permitted to be 15" minimum and 19" maximum above the finish floor measured to the top of the seat.] [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].

Quantity	Unit Cost	Total Cost
1 EA	887.50	\$ 888
Priority	3	





# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	606.4; 309
Barrier Detail	The lavatory faucet hardware is not compliant.
Location Description	First Floor Women's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The faucet requires tight grasping to operate.

**Resolution**

Provide push/lever hardware for the faucet. Replace faucet operating hardware with compliant handles. Operable parts, such as faucet hardware, shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum. Hand-operated metering faucets shall remain open for 10 seconds minimum. Provide a minimum of one accessible sink with push/lever hardware.

Quantity	Unit Cost	Total Cost
1 EA	693.75	\$ 694
Priority	3	

**Photos for Barrier ID: AX456268**



# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	213.3.4, 606.5
Barrier Detail	Pipes are not insulated.
Location Description	First Floor Women's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The lavatory pipes are not insulated.

Resolution

Insulate water supply and drain pipes under the accessible lavatory. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. Pipes under lavatories and sinks shall be free from sharp or abrasive surfaces. A minimum of one lavatory in a multi-lavatory restroom shall be a compliant lavatory.

Quantity	Unit Cost	Total Cost
1 EA	81.25	\$ 81
Priority	3	

Photos for Barrier ID: AX456269



# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Mirror
ADA Standard	213.3.5; 603.3

**Barrier Detail**

The mirror is mounted higher than 40" above finish floor to the bottom of the reflective surface, where it is installed above a lavatory or counter.

Location Description	First Floor Women's Restroom
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

**Site Conditions**

The mirror in the bathroom is 40 3/4" inches from the finish floor to the bottom of the reflective surface.

**Resolution**

Remove and lower the mirror to a compliant height. Where mirrors are provided, at least one shall comply. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40" maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35" maximum above the finish floor or ground. [ADVISORY: A single full-length mirror can accommodate a greater number of people, including children. In order for mirrors to be usable by people who are ambulatory and people who use wheelchairs, the top edge of mirrors should be 74" minimum from the floor or ground.]

Quantity	Unit Cost	Total Cost
1 EA	250.00	\$ 250
Priority	3	

**Photos for Barrier ID: AX456270**



# Ackland Art Museum FIRST FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Water Closet
ADA Standard	309, 404.2.7, 604.5.1, 604.6, 604.7, 604.8.1.1, 604.8.1.2, 604.8.1.5, 604.9, 609.3
Barrier Detail	A wheelchair stall is not provided in a multi-user restroom.
Location Description	First Floor Women's Restroom
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	A wheelchair stall is not provided in the women's restroom. Overall bathroom dimension is 6'6" by 12'. Note: a single user unisex and accessible restroom is supplied between the women's and men's restroom.

## Resolution

Provide a compliant wheelchair stall with compliant elements in the multi-user restroom. Wheelchair accessible compartments with floor mounted water closets shall be 60" wide minimum measured perpendicular to the side wall and 59" deep minimum, measured perpendicular to the rear wall. Wheelchair accessible compartments with wall mounted water closets shall be 60" wide minimum measured perpendicular to the side wall and 56" deep minimum, measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use (ages 3 through 12) shall be 60" wide minimum measured perpendicular to the side wall, and 59" deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall. In addition, clear space of minimum 30" by 48" must be provided within the clearance area for transfer from a wheelchair. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 minimum to 18" maximum from the side wall or partition. Water closets shall be arranged for a left-hand or right-hand approach. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions, such as lavatories, shall be located within the required water closet clearance. Install a flush control on the open side of the water closet. Flush controls shall be hand operated or automatic. Hand operated flush controls shall be within a compliant reach range. Install compliant grab bars. Horizontal grab bars shall be installed at a consistent height above finish floor to the top of the gripping surface. The top of the gripping surface shall be minimum 33" and maximum 36" above finish floor. The rear wall grab bar shall be 36" long minimum and extend from the centerline of the water closet 12" minimum on one side and 24" minimum on the other side. [EXCEPTIONS: 1. The rear grab bar shall be permitted to be 24" long minimum, centered on the water closet, where wall space does not permit a length of 36" minimum due to the location of a recessed fixture adjacent to the water closet. 2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.] The side wall grab bar shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. Toilet paper dispensers shall be 7" minimum and 9" maximum in front of the water closet, measured to the centerline of the dispenser. The outlet of the dispenser shall be 15" minimum and 48" maximum above the finish floor and shall not be located behind grab bars. Where located below the side grab bar, the top of projecting toilet paper dispensers shall be located 1-1/2" minimum below the grab bar. Where located above the side grab bar, the bottom of the projecting toilet paper dispenser shall be located 12" minimum above the top of the gripping surface of the grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"]. Toilet compartment doors for wheelchair stalls, including door hardware, shall comply except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42" minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4" maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4" maximum from the front partition. The wheelchair stall door shall be self-closing. A compliant door pull shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area. Install door pulls near the latch on each side of wheelchair stall door. Handles, pulls, latches, locks, and other operable parts on doors and gates shall be compliant. Operable parts of such hardware shall be 34" minimum and 48" maximum above the finish floor or ground.

Quantity	Unit Cost	Total Cost
1 EA	3,437.50	\$ 3,438
Priority	3	





# Ackland Art Museum SECOND FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	606.4; 309
Barrier Detail	The lavatory faucet hardware is not compliant.
Location Description	Second Floor Unisex A
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The lavatory hardware requires tight grasp to operate.

**Resolution**

Provide push/lever hardware for the faucet. Replace faucet operating hardware with compliant handles. Operable parts, such as faucet hardware, shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum. Hand-operated metering faucets shall remain open for 10 seconds minimum. Provide a minimum of one accessible sink with push/lever hardware.

Quantity	Unit Cost	Total Cost
1 EA	693.75	\$ 694
Priority	3	

**Photos for Barrier ID: AX456296**



# Ackland Art Museum SECOND FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Mirror
ADA Standard	404.2.9
Barrier Detail	
The force required to open the interior, hinged, non-fire door is more than 5 pounds.	
Location Description	Second Floor Unisex A
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

The mirror is 40 1/2 inches from the finished floor to the bottom of the reflective surface.

Resolution

Adjust closer or replace with an closer that requires no more 5 pounds of force to stop the door motion. The maximum force for pushing or pulling open a door shall be for interior hinged doors: 5 lbs (22.2N). The force for pushing or pulling open a door or gate other than fire doors shall be as follows: 1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum. 2. Sliding or folding doors: 5 pounds (22.2 N) maximum. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position. Note: Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.

Quantity	Unit Cost	Total Cost
1 EA	457.50	\$ 458
Priority	3	

Photos for Barrier ID: AX456298



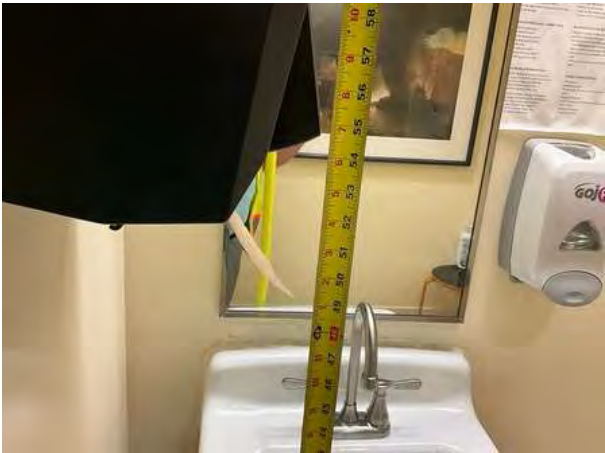
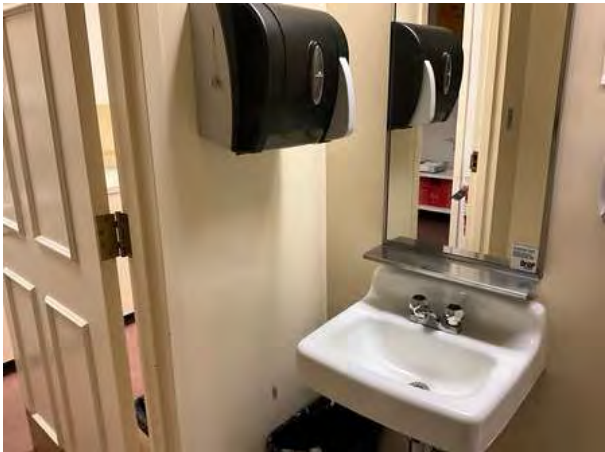
## Ackland Art Museum SECOND FLOOR

<b>Assembly</b>	Restroom
<b>Type</b>	Controls And Dispensers
<b>ADA Standard</b>	606.1; 309.3
<b>Barrier Detail</b>	The height of controls are not compliant.
<b>Location Description</b>	Second Floor Unisex A and B
<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
<b>Site Conditions</b>	The operable part of the paper towel dispenser is 55" above the finish floor.
<b>Height</b>	55"

### Resolution

Provide operable parts of all controls, dispenser, receptacle and other operable equipment within at least one of the reach ranges. Operable parts shall be placed within one or more of the reach ranges. Unobstructed Forward Reach: Where a forward reach is unobstructed, the high forward reach shall be 48" maximum and the low forward reach shall be 15" minimum above the finish floor or ground. Obstructed High Forward Reach: Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48" maximum where the reach depth is 20" maximum. Where the reach depth exceeds 20", the high forward reach shall be 44" maximum and the reach depth shall be 25" maximum. Unobstructed Side Reach: Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48" maximum and the low side reach shall be 15" minimum above the finish floor or ground. [EXCEPTION: An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10" maximum.] Obstructed High Side Reach: Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34" maximum and the depth of the obstruction shall be 24" maximum. The high side reach shall be 48" maximum for a reach depth of 10" maximum. Where the reach depth exceeds 10", the high side reach shall be 46" maximum for a reach depth of 24" maximum. [ADVISORY for Children's Forward or Side Reach Ranges: High reach (maximum): 36" for ages 3 to 4; 40" for ages 5 to 8; and 44" for ages 9 to 12. Low reach (minimum): 20" for ages 3 to 4; 18" for ages 5 to 8; and 16" for ages 9 to 12.]

Quantity	Unit Cost	Total Cost
2 EA	250.00	\$ 500
<b>Priority</b>	3	





## Ackland Art Museum SECOND FLOOR

<b>Assembly</b>	Restroom
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<b>Type</b>	Restroom/Bathroom - Door
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<b>ADA Standard</b>	404.2.8
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### Barrier Detail

The accessible door with door closer has a sweep period of less than 5 seconds from 90 degrees to a position 12 degrees from latch.

<b>Location Description</b>	Second Floor Unisex A and B
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<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
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### Site Conditions

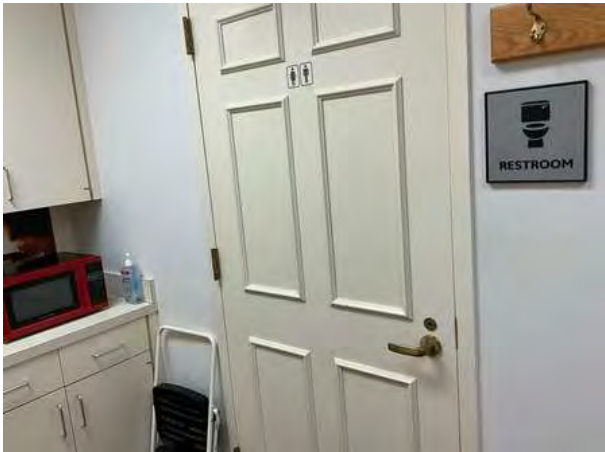
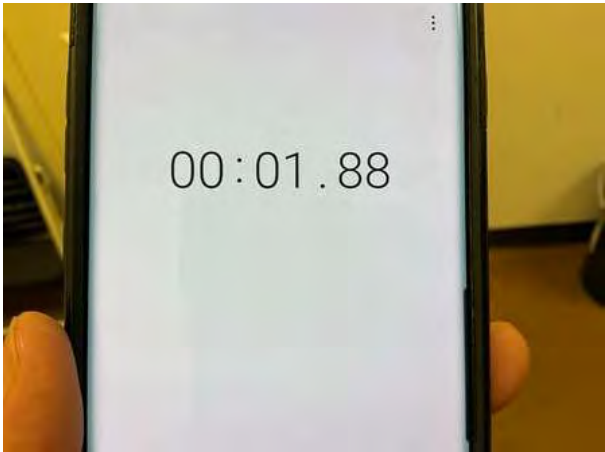
Unisex Restroom A has a closing speed of 2.78 seconds unisex restroom B has a closing speed of 1.88 seconds from 90 degrees to 12 degrees from the door jam.

### Resolution

Adjust closer or remove and replace closer to ensure that the door has a closure time of at least 5 seconds within 12 degrees of the latch. To be completed with ID: AX456292. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

Quantity	Unit Cost	Total Cost
2 EA	457.50	\$ 915

<b>Priority</b>	3
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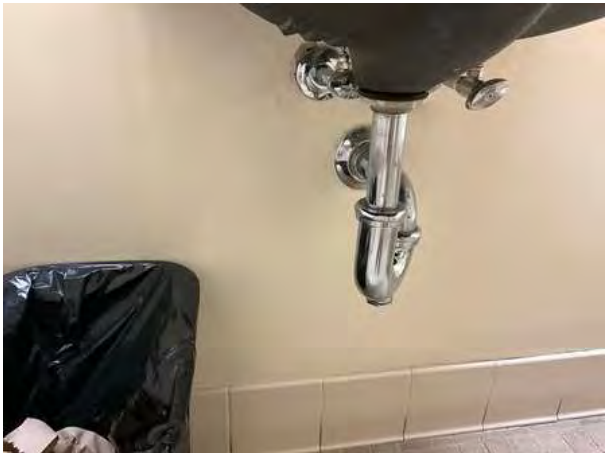
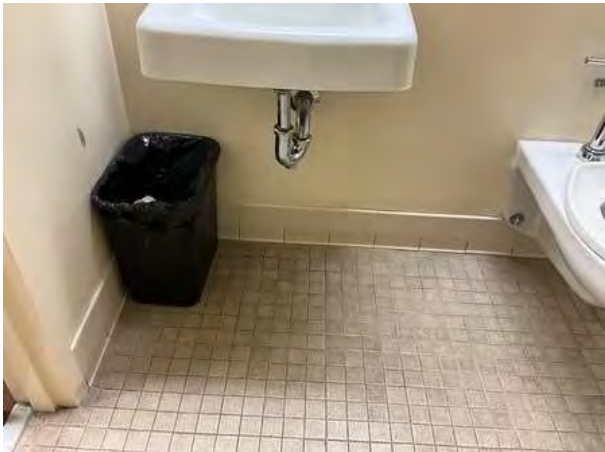
# Ackland Art Museum SECOND FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Lavatory
ADA Standard	213.3.4, 606.5
Barrier Detail	Pipes are not insulated.
Location Description	Second Floor Unisex A and B
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The lavatory pipes are not insulated.

Resolution

Insulate water supply and drain pipes under the accessible lavatory. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. Pipes under lavatories and sinks shall be free from sharp or abrasive surfaces. A minimum of one lavatory in a multi-lavatory restroom shall be a compliant lavatory.

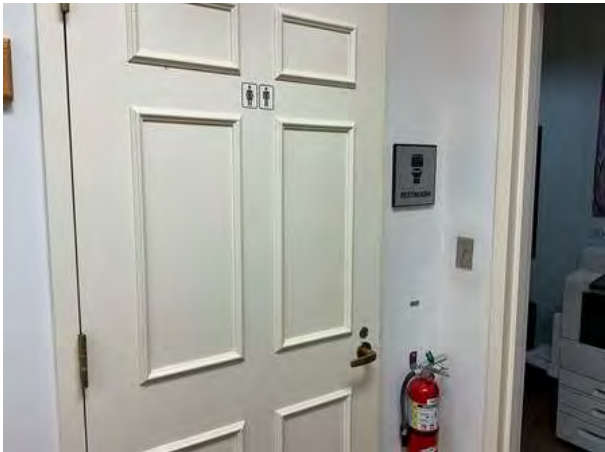
Quantity	Unit Cost	Total Cost
2 EA	81.25	\$ 163
Priority	3	



# Ackland Art Museum SECOND FLOOR

Assembly	Restroom	
Type	Restroom/Bathroom - Signage	
ADA Standard	216.2, 703.1, 703.2, 703.5, 703.6	
Barrier Detail		
The restroom does not have compliant signage at the door with the International Symbol of Accessibility, raised characters, and Braille.		
Location Description	Second Floor Unisex A and B	
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions	The 2 restroom signs do not have the international symbol of accessibility.	
Resolution		
Mount compliant signage on the wall at the latch side of the restroom door at a compliant height. All signs for accessible restrooms, including directional signs indicating the restroom location, shall comply with the requirement for the International Symbol of Accessibility (ISA), where not all restrooms are accessible. The pictogram field shall be minimum 6" high. Signage shall include raised letters and Braille, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided. Tactile characters on signs shall be located 48" minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60" maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character. Accessible restrooms shall have signs with the International Symbol of Accessibility. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18" minimum by 18" minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position. [EXCEPTION: Signs with tactile characters shall be permitted on the push side of doors with closers and without hold-open devices.] Raised characters shall be as follows: Depth: Raised characters shall be 1/32" minimum above their background. Case: Characters shall be uppercase. Style: Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms. Character Proportions: Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 % minimum and 110 % maximum of the height of the uppercase letter "I". Character Height: Character height measured vertically from the baseline of the character shall be 5/8" minimum and 2" maximum based on the height of the uppercase letter "I". [EXCEPTION: Where separate raised and visual characters with the same information are provided, raised character height shall be permitted to be 1/2" minimum.] The visual characters of the sign shall be installed at minimum 40" above finish floor.		
Quantity	Unit Cost	Total Cost
2 EA	68.75	\$ 138
Priority	3	





# Ackland Art Museum SECOND FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Water Closet
ADA Standard	604.5.1
Barrier Detail	The side grab bar at the water closet is not compliant.
Location Description	Second Floor Unisex A and B
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The side grab bar is 52" from the rear wall.

Resolution

Remove and install a compliant side grab bar. The side wall grab bar shall be 42" long minimum, located 12" maximum from the rear wall and extending 54" minimum from the rear wall. Grab bars shall be installed in a horizontal position, 33" minimum and 36" maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use, grab bars shall be installed in a horizontal position 18" minimum and 27" maximum above the finish floor measured to the top of the gripping surface. A continuous grab bar is allowable in lieu of rear and side grab bars. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].

Quantity	Unit Cost	Total Cost
2 EA	444.00	\$ 888
Priority	3	



# Ackland Art Museum SECOND FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Water Closet
ADA Standard	604.5.2
Barrier Detail	The rear grab bar at the water closet is not compliant.
Location Description	Second Floor Unisex A and B
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The rear grab bar is not present

Resolution

Remove and install a compliant rear grab bar. The rear wall grab bar shall be 36" long minimum and extend from the centerline of the water closet 12" minimum on the closed side and 24" minimum on the open side. [EXCEPTIONS: 1. The rear grab bar shall be permitted to be 24" long minimum, centered on the water closet, where wall space does not permit a length of 36" minimum due to the location of a recessed fixture adjacent to the water closet. 2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.] Grab bars shall be installed in a horizontal position, 33" minimum and 36" maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use, grab bars shall be installed in a horizontal position 18" minimum and 27" maximum above the finish floor measured to the top of the gripping surface. A continuous grab bar is allowable in lieu of rear and side grab bars. [ADVISORY: It is advisable, but not required, to use the specifications for children where children are the primary users of the restroom. Guidance in applying the specifications for children according to the age group served reflects the differences in the size, stature, and reach ranges of children ages 3 to 12. The specifications chosen should correspond to the age of the primary user group. The specifications of one age group should be applied consistently in the installation of a water closet and related elements. Water Closet Centerline: Ages 3 and 4- 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 18". Toilet Seat Height: Ages 3 and 4- 11" to 12"; Ages 5 through 8- 12" to 15"; Ages 9 through 12- 15" to 17". Grab Bar Height: Ages 3 and 4- 18" to 20"; Ages 5 through 8- 20" to 25"; Ages 9 through 12- 25" to 27"; Dispenser Height: Ages 3 and 4- 14"; Ages 5 through 8- 14" to 17"; Ages 9 through 12- 17" to 19"].

Quantity	Unit Cost	Total Cost
2 EA	444.00	\$ 888
Priority	3	



# Ackland Art Museum SECOND FLOOR

Assembly	Restroom
Type	Restroom/Bathroom - Water Closet
ADA Standard	ADA 604.7, 609.3; 2009 ANSI A117.1-604.7
Barrier Detail	NORTH CAROLINA: The toilet paper dispenser location is not compliant.
Location Description	Second Floor Unisex A and B
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com

Site Conditions

The centerline of the toilet paper dispenser is 15 inches in front of the nose of the toilet.

Resolution

Relocate the toilet paper dispenser. The centerline of the toilet paper dispenser shall be 7"- 9" in front of the water closet. Toilet paper dispenser outlets shall be 18" minimum to 48" maximum above finish floor, with the outlets not located behind grab bars. The space between a grab bar and projecting objects above the top of the gripping surface of the grab bar shall be 12" minimum, and the space below the grab bar and projecting objects below the bottom of the grab bar shall be minimum 1-1/2" from the grab bar. Projecting toilet paper dispensers located above the horizontal side grab bar shall be minimum 12" from the top gripping surface of the side grab bar. Projecting toilet paper dispensers located below the grab bar shall be minimum 1-1/2" from the bottom of the horizontal side grab bar. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow. [Advisory 604.7 Dispensers. If toilet paper dispensers are installed above the side wall grab bar, the outlet of the toilet paper dispenser must be 48" maximum above the finish floor and the top of the gripping surface of the grab bar must be 33" minimum and 36" maximum above the finish floor.]

Quantity	Unit Cost	Total Cost
2 EA	366.25	\$ 733
Priority	3	





# Ackland Art Museum SECOND FLOOR

Assembly	Restroom	
Type	Restroom/Bathroom-Door	
ADA Standard	404.2.9	
Barrier Detail		
The force required to open the interior, hinged, non-fire door is more than 5 pounds.		
Location Description	Second Floor Unisex A and B	
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com	
Site Conditions		
Unisex Restroom A takes 11 pounds of pressure unisex restroom B takes 16 pounds of pressure to open.		
Resolution		
Adjust closer or replace with an closer that requires no more 5 pounds of force to stop the door motion. To be completed with ID: AX456291. The maximum force for pushing or pulling open a door shall be for interior hinged doors: 5 lbs (22.2N). The force for pushing or pulling open a door or gate other than fire doors shall be as follows: 1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum. 2. Sliding or folding doors: 5 pounds (22.2 N) maximum. These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door or gate in a closed position. Note: Fire doors shall have a minimum opening force allowable by the appropriate administrative authority.		
Quantity	Unit Cost	Total Cost
2 EA	0.00	\$ 0
Priority	3	



# Ackland Art Museum BASEMENT

Assembly	Interior Access Route
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Type	Drinking Fountain/Water Cooler
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ADA Standard	602.4 and 602.5
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## Barrier Detail

The location of the spout of the wheelchair height drinking fountain is not compliant.

Location Description	Drinking Fountains DF-1 Basement
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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Site Conditions	The spout of the lower height water fountain is at 38 inches above finish floor.
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Height	38"
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## Resolution

Replace the lower level/wheelchair height drinking fountain to ensure that the spout height is no higher than 36" maximum measured from the finish floor or ground to the spout outlet, and provide knee and toe clearance unless the exception applies. Spout outlets shall be 36" maximum above the finish floor or ground, 15" minimum from vertical support, and 5" maximum from front edge. [EXCEPTION: A parallel approach is permitted at units for children's use where the spout is 30" maximum above finish floor or ground and is 3-1/2" maximum from the front edge of the unit, including bumpers.] Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25" maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum.

Quantity	Unit Cost	Total Cost
1 EA	3,132.00	\$ 3,132

Priority	4
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# Ackland Art Museum FIRST FLOOR

Assembly	Interior Access Route
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Type	Drinking Fountain/Water Cooler
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ADA Standard	602.4 and 602.5
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## Barrier Detail

The location of the spout of the wheelchair height drinking fountain is not compliant.

Location Description	Drinking Fountains DF-2 First Floor
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Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
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Site Conditions	The spout of the lower height water fountain is at 38 inches above finish floor.
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Height	38"
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## Resolution

Replace the lower level/wheelchair height drinking fountain to ensure that the spout height is no higher than 36" maximum measured from the finish floor or ground to the spout outlet, and provide knee and toe clearance unless the exception applies. Spout outlets shall be 36" maximum above the finish floor or ground, 15" minimum from vertical support, and 5" maximum from front edge. [EXCEPTION: A parallel approach is permitted at units for children's use where the spout is 30" maximum above finish floor or ground and is 3-1/2" maximum from the front edge of the unit, including bumpers.] Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25" maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum.

Quantity	Unit Cost	Total Cost
1 EA	3,132.00	\$ 3,132

Priority	4
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# Ackland Art Museum SECOND FLOOR

Assembly	Interior Access Route
Type	Drinking Fountain/Water Cooler
ADA Standard	602.4 and 602.5
Barrier Detail	
The location of the spout of the wheelchair height drinking fountain is not compliant.	
Location Description	Drinking Fountains DF-3 Second Floor.
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The spout of the lower height water fountain is at 38 inches above finish floor.
Height	38"

Resolution

Replace the lower level/wheelchair height drinking fountain to ensure that the spout height is no higher than 36" maximum measured from the finish floor or ground to the spout outlet, and provide knee and toe clearance unless the exception applies. Spout outlets shall be 36" maximum above the finish floor or ground, 15" minimum from vertical support, and 5" maximum from front edge. [EXCEPTION: A parallel approach is permitted at units for children's use where the spout is 30" maximum above finish floor or ground and is 3-1/2" maximum from the front edge of the unit, including bumpers.] Knee Clearance: Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance. Knee clearance shall extend 25" maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee clearance shall be 30" wide minimum. Toe Clearance: Space under an element between the finish floor or ground and 9" above the finish floor or ground shall be considered toe clearance. Toe clearance shall extend 25" maximum under an element. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17" minimum under the element. Space extending greater than 6" beyond the available knee clearance at 9" above the finish floor or ground shall not be considered toe clearance. Toe clearance shall be 30" wide minimum.

Quantity	Unit Cost	Total Cost
1 EA	3,132.00	\$ 3,132

Priority	4
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# Ackland Art Museum FIRST FLOOR

Assembly	Kitchen
Type	Kitchen - Counter - Public
ADA Standard	902

Barrier Detail

A minimum 30" wide section of the counter is not a minimum height of 28" and maximum height of 34" with knee and toe clearance.

Location Description	Room 122 Kitchen
Observed	May 21, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	No 34 inch high work surface provided.

Resolution

Remove and install a kitchen counter that has a minimum 30" wide section of the work surface at minimum 28" height and maximum 34" height, and provides knee and toe clearance. Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance and shall comply. Knee clearance shall extend 25" maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee and toe clearance shall be 30" wide minimum.

Quantity	Unit Cost	Total Cost
3 LF	992.50	\$ 2,978
Priority	4	



# Ackland Art Museum FIRST FLOOR

<b>Assembly</b>	Kitchen
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<b>Type</b>	Kitchen - Oven - Residential And Employee-Only
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<b>ADA Standard</b>	804.3, 804.6.5
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## Barrier Detail

The oven does not have an adjacent work surface which is a minimum height of 28" and maximum height of 34", or an adjustable work surface ranging from minimum 29" to 36" maximum.

<b>Location Description</b>	Room 122 Kitchen
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<b>Observed</b>	May 21, 2024 by Brian.rogers@bureauveritas.com
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<b>Site Conditions</b>	Adjacent counter height is 36 inches above the finish floor.
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## Resolution

Remove and install a kitchen work surface adjacent to the oven that is maximum 34" height or an adjustable work surface which can be adjusted from minimum 29" to maximum 36". The work surface shall be positioned adjacent to the latch side of a side-hinged oven door, or adjacent to one side of a bottom-hinged oven door. Modify or replace counter to provide a minimum 30" wide section with maximum height 34" with knee and toe clearance adjacent to the oven. The work surface shall also have knee and toe clearance. [EXCEPTION: Cabinetry shall be permitted under the kitchen work surface provided that (a) cabinetry can be removed with removal or replacement of the kitchen work surface, (b) the finish floor extends under the cabinetry, and (c) the walls behind and surround the cabinetry are finished.] Space under an element between 9" and 27" above the finish floor or ground shall be considered knee clearance and shall comply. Knee clearance shall extend 25" maximum under an element at 9" above the finish floor or ground. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11" deep minimum at 9" above the finish floor or ground, and 8" deep minimum at 27" above the finish floor or ground. Between 9" and 27" above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1" in depth for each 6" in height. Knee and toe clearance shall be 30" wide minimum.

Quantity	Unit Cost	Total Cost
3 LF	992.50	\$ 2,978

<b>Priority</b>	4
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# Ackland Art Museum FIRST FLOOR

Assembly	Kitchen
Type	Kitchen - Range/Cooktop/Oven
ADA Standard	804.6.4; 804.6.5.3
Barrier Detail	The location of the controls requires reaching across burners.
Location Description	Room 122 Kitchen
Observed	May 22, 2024 by Brian.rogers@bureauveritas.com
Site Conditions	The controls are on the rear of the oven and require reaching cross burners.

Resolution

Replace the stove or oven with a unit that does not require reaching across burners to access the controls. The location of controls shall not require reaching across burners.

Quantity	Unit Cost	Total Cost
1 EA	948.75	\$ 949

Priority 4

Photos for Barrier ID: AX456259

