

HAMPTON COUNTY SCHOOL DISTRICT, HAMPTON COUNTY HIGH SCHOOL
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FF&E TECHNICAL SPECIFICATIONS

The specifications below represent qualities required for product consideration. Specific product has been listed as a suitable option. You may submit a product other than those listed *if the product possesses the criteria specified, is identified as equal and is explained as such*. Considering the substitute clearly meets or exceeds the specific criteria it is not necessary to have the item approved prior to submittal.

General

Refer to "Product Specifications Basis of Design FF&E Schedule" for specific products listed in the FF&E Technical Specifications.

B1, D2, D3, D4, D5, D6, SC1, PS.1, RS.1 - Casegoods

Bid Specification: Freestanding Casegoods Products: CASEGOODS TECHNICAL SPECIFICATIONS

This specification establishes the minimum technical requirements for freestanding high-pressure laminate casegoods products. These requirements are based on general industry standards and are intended to provide high quality casegoods that are built for long and severe use.

General Requirements:

1. Casegood products should meet or exceed all the ANSI/BIFMA standards including the requirements of ANSI/BIFMA X5.5 Desk/Table Products, X5.9 Storage Units.
2. Casegoods shall be new, unused, currently standard products of an established manufacturer except for such deviations as may be required by this specification.
3. Units shall be free of all imperfections, defects, and hazards which might affect appearance, normal life, serviceability, or user safety.
4. Details not specifically defined herein shall be in accordance with the best commercial practice for products of this type.
5. All products shall carry a minimum 12-year warranty. Limitations or exclusions involving materials and components such as lamps and ballasts, wood veneer, and tackable fabric are acceptable.

Construction and Materials

1. Minimally acceptable cores shall have three (3) plies of particleboard or MDF as defined in ANSI A208.1. They shall be of sufficient strength and designed to prevent top from warping while in normal use.
2. Desk chassis shall be reinforced with cams, dowels, metal brackets and hardwood cleats.
3. Work surfaces shall be a minimum 1" thick with 3-, 5-, or 7-ply balanced construction and constructed using a medium-density particle board core faced with high pressure plastic laminate.
4. Adjustable leveling glides shall be inserted into solid wood cleats.
5. All products situated on the floor shall have levelers, including desks, returns, credenzas, and freestanding storage units.

Worksurfaces

1. The underside of the worksurface to be pre-drilled with threaded, metal inserts for metal-to-metal connection for cantilevers and under worksurface storage units.
2. Worksurfaces to be pre-drilled for panel mount hardware and /or freestanding hardware.
3. Grommets will be a standard worksurface option in painted or plated finishes.
4. Worksurfaces will be finished in high pressure laminate with a 3MM PVC, or 2MM polypropylene edge.

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5. Worksurfaces must be finished and on all sides. Primary worksurfaces are to be profiled on approach and user sides. Secondary worksurfaces are to be profiled on the user side only. Durable scratch resistant matte finish on all units.
6. 3 Ply, 1 3/16" thick worksurfaces construction is to be 45lbs.density, furniture grade particleboard. Laminate worksurfaces require a 20lbs. paper backer sheet to the underside of the worksurface.
7. Worksurface edges to be square.

Adjustable Height Worksurfaces

1. All notes (1-7) above apply in addition to the following:
2. Feet to be fabricated out of 1/2" thick powder coated steel with adjustable glides.
3. Table bridges are to include a 1/4" thick steel mounting plate to attach to the worksurface.
4. Lift mechanism features a 2-stage column constructed out of 2mm thick powder coated steel (70mm square profile).
5. Worksurface height control shall feature (4) user-programmable memory buttons with digital read-out display.

Worksurface Hardware

1. All exposed worksurface support hardware requires paint finish options to match the worksurface.
2. Cantilever supports require an access hole for wire management.

Top Supporting Undersurface Storage

1. Drawer fronts shall be minimum forty-five-pound (45lbs.) density fiber core material with laminate on the exposed side.
2. Gables and back panels are 3/4" thick.
3. Pedestal depths to coordinate with depth of desk.
4. Drawers, drawer sides, front and back are constructed on 1/2" particle board core with laminate on both sides. The bottom is made from 5mm- thick fiberboard veneers on both sides. Drawers are assembled with 6mm wood dowels and glue. Box drawers have a pencil tray and divider.
5. Drawer fronts shall attach separately to the drawer box. Drawer boxes shall be constructed of solid wood, wood ply or wrapped fiberboard materials. Wood and wood ply drawers shall utilize English or French dovetail joinery for added strength and durability.
6. File drawers shall utilize a heavy-duty full extension metal ball bearing slide for smooth operation. Box drawers shall utilize a full extension slide.
7. All pulls to be Forte (style), Luster Grey (color) unless otherwise indicated on Product Specifications page.

Overhead Storage

1. Side gables shall be constructed of 3/4" (19mm) fiberboard or particleboard. Mid gables shall be constructed of 1 1/2" (38mm) fiberboard or particleboard. Top and bottom pans shall be made of 20-gauge CRS.

Tackable Panel

1. Tackable panels are to be made from a 1/2" (13mm) thick tackable substrate with fabric glued to the surface. 1/2"(13mm) spacers are attached at the back. Tackable panels are attached to overhead storage with metal cleats.

Metal Framing

1. Metal framing shall be heavy-gauge steel or aluminum meeting or exceeding ANSI/BIFMA standards.

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Movable Units

1. Casters: Manufacturer's standard: grey nylon, dual wheel.

Finishes

1. Bookcases, hutches, and other storage units shall have a fully finished back to allow for use away from the wall.

Lock Design and Offering

1. Locks shall be standard on all credenzas, undersurface file units, and freestanding storage units. Lock cylinders shall be removable if rekeying is necessary. All locks within an office should be keyed alike.

Panel Options

1. Modesty panels for desks shall be recessed under the desk top the maximum amount possible to allow for guest pull up space.
2. Undersurface pedestals can support the end of a worksurface and are spaced to accommodate back or modesty panels or provide space for cable access.
3. Return work surface should have no modesty panel (when against an adjacent wall) for ease of installation and coordination with computer installation.

Storage Options

1. Vertical wardrobe and storage units shall be available in heights to line up with the total height adjacent units.

Technology

1. One grommet location per desk worksurface. Coordinate location with designer.
2. Vertical and horizontal wire management is required.

BB1 - Bean Bag Chair

This specification establishes the minimum technical requirements for bean bag chair. These requirements are based on general industry standards and are intended to provide high quality bean bag chair for use in an academic environment.

General Requirements:

1. Bean bag chair shall meet or exceed all ANSI/BIFMA standards.
2. Bean bag chair shall be 42 inches round.
3. Bean bag chair shall be filled with poly bead fill or memory foam fill. The memory foam fill features reinforced stitching and tamper resistant zipper.
4. The fabric shall be 100% Polyurethane (Polycarbonate Based).
5. The warranty for bean bag chair shall be Limited Lifetime Warranty or better.

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BC1 - Book Cart

This specification establishes the minimum technical requirements for mobile book carts. These requirements are based on general industry standards and are intended to provide high quality mobile book carts an academic environment.

General Requirements:

1. Book cart shall meet or exceed all ANSI/BIFMA standards.
2. Book cart shall be lightweight and easy to maneuver up and down aisles and through tight spaces.
3. Book cart shall be constructed of a durable 16-gauge 1-inch diameter tubular steel frame.
4. Book cart shall have comparable dimensions: 27 inches (Height) by 28 inches (Wide) by 13 inches (Depth).
5. Book cart shall have 7.5"-deep single-sided shelves sloped at a 12-degree angle. There is 12" clearance between each shelf and 9" from the floor to the top of the lowest shelf.
6. Book cart shall have 500-lb weight capacity.
7. Book cart shall have a durable powder-coat finish.
8. Book cart shall have non-marring rubber wheels on ball-bearing casters for smooth operation.
9. Warranty required for metal book trucks shall be 13 years or better.

BT.1 - Booth (Media Center Idea Starter)

This specification establishes the minimum technical requirements for school media center. These requirements are based on general industry standards and are intended to provide high quality media center furniture for an academic environment.

General Requirements:

1. Counter height tables and upholstered booths shall meet or exceed all ANSI/BIFMA standards.
2. Table shall have a high pressure plastic laminate (HPL) surface, particle board core, and PVC edge band.
3. The table's legs shall be heavy gauge, powder coated steel.
4. Foam Padding:
5. Upholstery: 100% Polyurethane (Polycarbonate Based), PFAS-Free, Phthalate Free with coated finish:
 - a. Superior resistance to staining, high abrasion and hydrolysis.
 - b. PFAS-Free, Phthalate Free, and free of formaldehyde, phthalate plasticizers, and Bisphenol A (BPA).
 - c. Backing: Polyester woven or Polyester and Rayon Woven.
 - d. Width: 54 inches.
 - e. Weight: 24 ounces per linear yard.
6. Upholstery Warranty: 5 years.
7. Warranty required for tables and booths shall be Limited Lifetime Warranty or better.

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C1 - Student Chair

This specification establishes the minimum technical requirements for a high-performance stacking student chair. These requirements are based on general industry standards and are intended to provide high quality seating in an academic environment.

General Requirements:

1. The chair shall be a high-performance stacking chair meet or exceed all ANSI/BIFMA standards including BIFMA X6.1 standard for Educational Seating.
2. The chair shall be armless with a polypropylene seat/back.
3. Chair shall have comparable overall dimensions: 31 inches (H) by 19.5 inches (W) by 19.63 inches (D).
4. Chair shall have comparable seating dimensions: 18 inches (H) by 17 inches (Seat Width) and 15 inches (Back Width) by 16 (D).
5. The seat and backrest are integrated into a single shell that is injection-molded in polypropylene reinforced with glass-fiber. The shell is to be ergonomically contoured and features a passive flex back movement. Reference the product specification Basis of Design spreadsheet for polypropylene selections.
6. Legs are made from $\frac{3}{4}$ " O.D. by 13-gauge tubular steel. A single ring of $\frac{1}{2}$ " diameter steel wire forms the crossmember. The foot ring is formed of $\frac{1}{2}$ " diameter steel wire. All joints are to be welded.
7. Frame finishes are to be baked-on, electrostatically applied gloss epoxy powder-coat paint.
8. Chair must offer felt glides for resilient flooring applications.
9. The warranty shall be a full lifetime warranty.

C2 - Task Chair

This specification establishes the minimum technical requirements for a high-performance task chair. These requirements are based on general industry standards and are intended to provide high quality seating with broad applicability for computer work and general office work.

General Requirements:

1. The chair shall be a high-performance, long-term swivel-type chair that meets or exceeds all ANSI/BIFMA standards including ANSI/BIFMA X5.1 General-Purpose Office Chairs. The basis of design selection accommodates a 400lb weight rating.
2. The standard chair shall have the following characteristics:
3. Overall Dimensions: 38 1/8 -43 1/8 inches (Height) by 26 inches (Width) by 26 inches (Depth).
4. Pneumatic seat height adjustment shall allow a minimum of 5" of travel.
5. A "Large and Tall" chair size shall be provided for locations indicated and shall have the following characteristics:
 - a. Overall dimensions: 38 – 46 1/2 inches (Height) by 28 inches (Width) by 28 inches (Depth).
 - b. Pneumatic seat height adjustment shall allow a minimum of 5" of travel.
6. Chairs with 2D armrests shall have vertical and horizontal (left and right) adjustment.
7. Chairs with 4D Armrests shall have all three dimensions of adjustment: vertical, horizontal and lateral adjustment.
8. Back frame, and five-star base to be black plastic.
9. Back fabric to be manufacturer's standard mesh fabric. See the product specifications Basis of Design spreadsheet for all upholstery and finish selections/specifications.
10. The chair must have an upholstered vinyl seat. See the product specifications Basis of Design spreadsheet for all upholstery and finish selections/specifications.

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11. The chair shall have 360-degree independent height, width, pivot and depth, adjustable arms and soft arm caps in black plastic.
12. The chair shall offer additional options for seating adjustment controls and lumbar options as required.
13. The chair must have a minimum 2 ½" diameter, dual-wheel all-floor safety casters for resilient flooring and carpet applications in manufacturer's standard color options.
14. The task chair must have a Limited Lifetime Warranty, subject to the following exceptions:
 - a. Pneumatic cylinders; glides; casters; arm caps; foam; all seating mesh must have a 12 year warranty or better.

C3 - Task Chair

This specification establishes the minimum technical requirements for a high-performance task chair. These requirements are based on general industry standards and are intended to provide high quality seating with broad applicability for computer work and general office work.

General Requirements:

1. The chair shall be a high-performance, long-term swivel-type chair that meets or exceeds all ANSI/BIFMA standards including ANSI/BIFMA X5.1 General-Purpose Office Chairs. The basis of design selection accommodates a 450lb weight rating.
2. The standard chair shall have the following characteristics:
 - a. Overall Dimensions: 43 ¾ inches (Height) by 27 inches (Width) by 24 inches (Depth).
 - b. Pneumatic seating height adjustment is from 16 3/8 inches to 21 ½ inches. Pneumatic seat height adjustment shall allow a minimum of 5" of travel.
 - c. The seat depth standard depth is 17 ¾ inches with an option for adjustment if required. The minimum range of adjustment is 2 inches.
 - d. Arm height to be below 11 inches.
3. A "Big and Tall" chair size to be provided at locations indicated and shall have the following characteristics:
 - a. Overall dimensions: 47 inches (Height) by 30 inches (Width) by 30 inches (Depth).
 - b. The pneumatic seating height adjustment is from 17 inches to 21 ½ inches. Pneumatic seat height adjustment shall allow a minimum of 5" of travel.
 - c. The seat depth standard depth is 20 ¼ inches with an option for adjustment if required. The minimum range of adjustment is 2 inches.
 - d. Arm height to be below 11 inches.
4. Back frame, and five-star base to be black plastic.
5. Back fabric to be manufacturer's standard mesh fabric. See the product specifications Basis of Design spreadsheet for all upholstery and finish selections/specifications.
6. The chair must have an upholstered vinyl seat. See the product specifications Basis of Design spreadsheet for all upholstery and finish selections/specifications.
7. The chair shall have 360-degree independent height, width, pivot and depth, adjustable arms and soft arm caps in black plastic.
8. The chair shall offer additional options for seating adjustment controls and lumbar options as required.
9. The chair must have a minimum 2 ½" diameter, dual-wheel all-floor safety casters for resilient flooring and carpet applications in manufacturer's standard color options.
10. The warranty for task chairs must be Full Lifetime Warranty or better subject to the following exceptions:
 - a. 4-way stretch mesh, seating controls, and pneumatic cylinders must have a 12 year warranty or better.

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C4 - Office Guest Chair

This specification establishes the minimum technical requirements for an office guest chair. These requirements are based on general industry standards and are intended to provide high quality seating with broad applicability for a variety of seating settings.

General Requirements:

1. The chair shall be a high-performance, long-term 4-leg stack chair that meets or exceeds all ANSI/BIFMA durability standards for seating.
2. Certifications: BIFMA Level 3, SCS Indoor Advantage™ Gold.
3. Wood-framed chair shall be designed with supportive curved back and contoured seat cushion for comfort, wall saver leg to eliminate tripping hazard, and arm cap to provide stability, and crumbsweep feature to provide easy cleaning.
4. Chair Dimensions: 39.375 inches (H) by 25.125 inches (Width) by 25,25 inches (Depth).
5. Wood frame finish shall be wood stain: walnut.
6. Chair must offer plastic glides for carpeted flooring applications.
7. Upholstery shall be coated PVC free textiles.
8. The office guard chair must have a Limited Lifetime Warranty or better.

C5 - Conference Chair

This specification establishes the minimum technical requirements for a conference room chair. These requirements are based on general industry standards and are intended to provide high quality seating around a conference table.

General Requirements:

1. The chair shall meet or exceeds all ANSI/BIFMA durability standards for seating.
2. The chair shall meet or exceed ANSI/BIFMA e3-2019 Furniture Sustainability Standard.
3. Chair shall have comparable dimensions: 332.5/37.5 inches (H) by 25.75 inches (W) by 27.25inches (D).
4. Seat dimensions shall be 16.5/21.25 inches (H) by 19.5 inches (W) by 20 inches (D).
5. Top of Arm to floor dimensions shall be 25.75 / 30.75 inches.
6. Chair shall be full upholstered, molded plywood seat and back and have pneumatic control.
7. Chair shall meet the requirements of following frame construction:
 - a. Seat/Back/Arms: Upholstery grade molded plywood panel.
 - b. Upholstery: All fabric and faux leather pieces are cut with automated cutters that utilize precise patterns.
 - c. Aluminum and wood components fastened by screws.
8. Seating components of chair shall meet the following requirements:
 - d. Seat:
 - i. 2 inch premium grade foam.
 - ii. 50 lb. compression.
 - iii. 2.2 density.
 - e. Back:
 - i. 1 inch premium grade foam.
 - ii. 50 lb. compression.
 - iii. 1.8 density.
 - iv. .75 oz. fiber overlay on top.
9. Chair's faux leather upholstery shall be EPA-registered for antimicrobial protection, ink and denim resistant.
10. Chair shall include manufacturer's option for 5-prong swivel with casters.

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11. Chair shall include manufacturer's option for powder-coated aluminum base finish. Aluminum finish color shall match product on FF&E Schedule.
12. Chair shall have a comparable weight of 28 lbs.
13. Upholstery shall be coated PVC free textiles.
14. The warranty for stack chairs must be 12 years or better.

C6 - Lounge Chair

This specification establishes the minimum technical requirements for a lounge chair. These requirements are based on general industry standards and are intended to provide high quality seating with a broad applicability for a variety of seating settings.

General Requirements:

1. The chair shall be a high-performance, chair that meets or exceeds all ANSI/BIFMA standards including ANSI/BIFMA X5.4 Public and Lounge Seating and ANSI/BIFMA X6.4 Occasional-Use Seating.
2. The C7 lounge chair shall be comparable to following requirements.
 - a. Product Description: Upholstered chair with curved high backrest supported by wood veneer legs, providing comfort that supports extended periods of sitting.
 - b. Dimensions: 16 inches (H) by 21 inches (W) by 20.5 inches (D).
 - c. Chair Control Mechanism: Fixed chair.
 - d. Upholstery: 100% Polyurethane (Polycarbonate Based), PFAS-Free, Phthalate Free with coated finish.
 - i. Superior resistance to staining, high abrasion and hydrolysis.
 - ii. PFAS-Free, Phthalate Free, and free of formaldehyde, phthalate plasticizers, and Bisphenol A (BPA).
 - iii. Backing: Polyester; woven.
 - iv. Width: 54 inches.
 - v. Weight: 24 ounces per linear yard.
 - vi. Upholstery Warranty: 5 years.
3. The warranty required for lounge chairs shall be 12 years or better.

C7 - Lounge Chair

This specification establishes the minimum technical requirements for a lounge chair located at Mother's Room and Academic areas indicated. These requirements are based on general industry standards and are intended to provide high quality seating with a broad applicability for a variety of seating settings.

General Requirements:

1. The chair shall be a high-performance, chair that meets or exceeds all ANSI/BIFMA standards including ANSI/BIFMA X5.4 standard for Public and Lounge Seating.
2. Lounge chair shall be comparable to following requirements.
 - a. Product Description: Wood-framed chair with upholstery seating. Cantilevered backrest contoured to float over seat providing comfort that supports extended periods of sitting.
 - b. Model #KC6G12 Beech = Lounge Chair.
 - c. Dimensions: 31 inches (H) by 27 ¾ inches (W) by 30 ¾ inches (D).
 - d. Seating Dimensions: 17-1/8 inches by 24 3/8 inches by 23 inches (D).
 - e. Arm Height: 24 3/8 inches.
 - f. Wood Frame Finish Material: Beech; multiple color finish options available.

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- g. Chair Control Mechanism: Fixed chair.
- 3. Armrest Style: Not applicable.
 - a. Upholstery: 100% Polyurethane (Polycarbonate Based) with silicone finish.
 - i. Backing: Knit, polyester.
 - ii. Width: 54 inches.
 - iii. Weight: 19 ounces per linear yard.
 - iv. Upholstery Warranty: 5 years.
- 4. The warranty required for lounge chairs shall be 12 years or better.

C9.a, C9.b - Student Lounge Chair

This specification establishes the minimum technical requirements for a lounge chair. These requirements are based on general industry standards and are intended to provide high quality seating with a broad applicability for a variety of seating settings.

General Requirements:

- 1. The chair shall be a high-performance, chair that meets or exceeds all ANSI/BIFMA standards including ANSI/BIFMA X5.4 Public and Lounge Seating.
- 2. The C7 lounge chair shall be comparable to following requirements.
 - 1. Product Description: Upholstered compact chair with curved with polycarbonate leg that supports extended periods of sitting.
 - 2. Dimensions: 30 inches (H) by 30 inches (W) by 30 inches (D).
 - 3. Chair Control Mechanism: Fixed chair.
 - 4. Upholstery: 100% Polyurethane (Polycarbonate Based), PFAS-Free, Phthalate Free with coated finish.
 - i. Superior resistance to staining, high abrasion and hydrolysis.
 - ii. PFAS-Free, Phthalate Free, and free of formaldehyde, phthalate plasticizers, and Bisphenol A (BPA).
 - iii. Backing: Polyester; woven.
 - iv. Width: 54 inches.
 - v. Weight: Minimum range of 19 to 24.5 ounces per linear yard.
 - vi. Upholstery Warranty: 5 years.
- 5. The warranty required for lounge chairs shall be 12 years or better.

C10 - Stacking Student Chair

This specification establishes the minimum technical requirements for a high-performance stacking chair. These requirements are based on general industry standards and are intended to provide high quality seating in an academic environment.

General Requirements:

- 1. The chair shall be a high-performance, high density sled base stacking chair that meets or exceeds all ANSI/BIFMA durability standards for seating.
- 2. The chair shall be armless with a polypropylene seat/back.
- 3. The seat and backrest are integrated into a single shell that is injection-molded in polypropylene reinforced with glass-fiber. The shell is to be ergonomically contoured and features a passive flex back movement. Reference the product specification Basis of Design spreadsheet for polypropylene selections.
- 4. The chair shall have the following or similar dimensions: 18 inches (H) by 19.5 inches (W) by 20.5 inches (D).

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5. Chair frame shall be constructed of 1 inch x 14-gauge welded steel tubing that is chrome plated for long lasting.
6. The shell of chair is attached to 16-gauge brackets via a metal to metal steel riveted connection and includes an integrated handle molded in for easy pick-up and moving of the chair.
7. Frame finishes are to be baked-on, electrostatically applied gloss epoxy powder-coat paint.
8. Chair must offer glides for resilient flooring applications and table edge protection.
9. The warranty for stacking student chairs must have a Limited Lifetime Warranty or better.

C11 - Stacking Student Stool

This specification establishes the minimum technical requirements for a high-performance stacking café stool. These requirements are based on general industry standards and are intended to provide high quality seating with broad applicability for a variety of seating settings.

General Requirements:

1. The chair shall be a high-performance, high density sled base stacking chair that meets or exceeds all ANSI/BIFMA durability standards for seating.
2. The chair shall be armless with a polypropylene shell with a flat seat pan and waterfall front edge.
3. The chair shall have overall dimensions: 42 inches (H) by 19 inches(W) by 18.28 inches (D)
4. The seat height shall be 28 inches.
5. The seat and backrest are integrated into a single shell made of 100% polypropylene with a shallow seat pan allowing four-position seating for infinite seating styles. The back supplies rigid support while being specifically designed with added flexibility that adapts to individual requirements and supplies long lasting comfort.
6. The shell includes an integrated handle molded in for easy movement of the chair.
7. The frame shall be constructed of a minimum 1" x 14-gauge tubing that is chrome plated for long lasting, durable finish.
8. Chair must offer glides for resilient flooring applications and table edge protection.
9. Frame finishes are to be baked-on, electrostatically applied gloss epoxy powder-coat paint.
10. Chair must offer felt glides for resilient flooring applications.
11. The warranty for stack chairs must have a Limited Lifetime Warranty or better.

C12 - Music Chair

This specification establishes the minimum technical requirements for a high-performance music chair. These requirements are based on general industry standards and are intended to provide high quality seating in a music classroom.

General Requirements:

1. The chair shall be a high-performance, high density sled base stacking chair that meets or exceeds all ANSI/BIFMA durability standards for seating.
2. Wear resistant polypropylene seat and back promote even weight distribution, greater comfort and a lasting appearance.
3. Design provides two seating zones: "engaged" (rear) and "perched" (forward). - The engaged position allows the occupant to sit with a thigh to back angle of 97°. - The perched position allows the occupant to sit with a thigh to back angle in the range of 96-106°. - A transition area allows users to move seamlessly between zones. Each zone enhances performance by promoting a naturally balanced skeletal shape, reducing muscle strain and enabling increased circulation, freedom of movement, and diaphragmatic breathing.

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4. Narrow convex back provides lumbar support while still allowing for freedom and range of movement. Rounded waterfall front allows one height of chair to accommodate a wider range of body sizes.
5. 16 gauge steel framing with powder coat paint finish for maximum durability. Chrome finish is also available.
6. Durable, specially designed floor glides provide stability when seated and ease of movement when arranging chairs.
7. Chairs stack for compact storage.
8. The warranty for student music chair must be ten years or better.

D1 - Student Desk

This specification establishes the minimum technical requirements for a high-performance student desk. These requirements are based on general industry standards and are intended to provide high quality seating for an academic environment.

General Requirements

1. The desk shall be a high-performance desk that meets or exceeds all ANSI/BIFMA standards including ANSI/BIFMA X5.5 standard for Desk/Table Products.
2. The desk shall have comparable dimensions: 34 inches (H) by 31 inches (W) by 22 inches (D).
3. The desk shall be a height adjustable desk.
4. The top shall be a natural maple laminate with platinum t-mold edge.
5. The ribbon shaped table shall be easily combined = with other rectangle desks to create endless configurations.
6. The legs adjust from 22 inches (H) to 34 inches (H).
7. Legs are made from $\frac{3}{4}$ " O.D. by 13-gauge tubular steel. A single ring of $\frac{1}{2}$ " diameter steel wire forms the crossmember. The foot ring is formed of $\frac{1}{2}$ " diameter steel wire. All joints are to be welded.
8. Frame finishes are to be baked-on, electrostatically applied gloss epoxy powder-coat paint.
9. The warranty shall be a full lifetime warranty or better.

FL1 - Floor Lamp

This specification establishes the minimum technical requirements for freestanding floor lamps. Floor lamps shall have soft, anti-glare LEDs and spun steel shades that create a pool of diffused illumination to provide a calm environment.

General Requirements:

1. Floor lamp must meet or exceed floor lamps; all ANSI/BIFMA standards.
2. Floor lamps shall have soft, diffused illumination created by anti-glare LEDs.
3. Floor lamps shall have a clean organic form for universal appeal.
4. The warranty for floor lamp must be 5 years or better.

MR.1 Metal Drying Rack

This specification establishes the minimum technical requirements for metal drying rack. These requirements are based on general industry standards and are intended to provide high quality metal drying rack for artwork in an academic setting.

General requirements:

1. Floor lamp must meet or exceed floor lamps; all ANSI/BIFMA standards.
2. Drying rack shall have a minimum of 60 shelves for purpose of drying artwork.

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3. Drying rack shall have a sturdy metal construction for use in high school art class.
4. The metal finish shall be clear anodized or as indicated by manufacturer's designation.
5. Drying rack shall be designed for table or floor use.
6. Drying rack shall have comparable dimensions: 36 inches (Height) by 26 inches (width) by 17 inches (Depth).
7. Individual shelf dimensions shall have comparable dimensions: 16 inches (Width) by 12 inches (depth).
8. The warranty for metal drying rack must be one year or better.

MS1 - Music Stand and MSC1 - Music Stand Move and Store Cart

This specification establishes the minimum technical requirements for music department equipment. These requirements are based on general industry standards and are intended to provide high quality music equipment in an academic setting.

MS1 Music Stand - General Requirements:

1. The music stands shall meet or exceed all ANSI/BIFMA standards.
2. Music stand is made of lightweight, high-strength polycarbonate desk and rather than steel or aluminum. Polycarbonate material won't scratch or dent and is "scuff proof."
3. The music stand weighs 4.9 lbs.
4. Music stand has a wobble-free base attachment.
5. Black color molded finish through base and desk for long-lasting appearance.
6. Bolt-through desk attachment to prevent desk from coming off unexpectedly.
7. Brass spring height adjustment mechanism for adjustment from 25 inches to 49 inches. (desk lip to floor).
8. Music stand available in shorter option with height adjustment from 21 inches to 45 inches.
9. The warranty for music stands must be 10 years or better.

MSC1 Music Stand Move and Store Cart (Small Cart) – General Requirements:

1. The music stand "Move and Store Cart" shall meet or exceed all ANSI/BIFMA standards.
2. Cart holds ten Classic 50 music stands.
3. Cart weighs 21 lbs.
4. Two-wheel cart design allows transport up and down stairs.
5. Cart is made of 14-gauge 1-1/2 inch square, 16-gauge 1 inch by 1-1/2 inches, and 16-gauge 7/8" diameter steel tubing with 8 inch wheels.
6. Cart stores compactly in 27-1/2 inches by 36 inches floor space. Allow 60 inches for height.
7. The warranty for music stand move and store carts must be 10 years or better.

MS2 – Director Music Stand and BP1 Conductor Base Podium

This specification establishes the minimum technical requirements for freestanding music stand. These requirements are based on general industry standards and are intended to provide high quality music stands in a music department of a high school.

MS2 Director Music Stand - General Requirements

1. The music stands shall meet or exceed all ANSI/BIFMA standards.
2. Music stand's desk is made of transparent polycarbonate. Polycarbonate material won't scratch or dent and is "scuff proof."
3. Music stand's base is powder coated metal.
4. Music stand has a foot pedal release allowing for height adjustment.
5. Music stand has a broad tripod base for extra stability.

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6. Music stand weighs approximately 16 lbs.
7. The warranty for music stands must be 10 years or better.

BP1 Conductor Base Podium - General Requirements:

1. The music stands shall meet or exceed all ANSI/BIFMA standards.
2. Base podium tops is constructed of 5/8" plywood covered with 100% olefin carpet and secured by heavy-duty steel edging. Carpet color is grey as indicated by manufacturer's designation.
3. Base Podium weight is 61 lbs.
4. Base podium has eight black thermoplastic rubber pads on the bottom for stability.
5. Base is constructed of 14-gauge steel with black powder-coat paint finish. Edging is 16-gauge steel.
6. Front panel is designed to allow conductor's stand to slide under podium.
7. Base podium has two 4 inch rubber casters recessed into front panel to move easily from room to room.
8. Finish: black powder-coat paint.
9. Base Podium Overall Dimensions: 6 inches (Height) by 43 inches (Width) by 38 inches (Depth).
10. The warranty for conductor base podium must be 10 years or better.

RC1 - Recovery Couch

This specification establishes the minimum technical requirements for freestanding recovery couches in Nurses Office, and Health Science Lab. These requirements are based on general industry standards and are intended to provide high quality healthcare furniture built for durability and long term use in a school environment.

General Requirements:

1. The recovery couches shall meet or exceed all ANSI/BIFMA standards.
2. The recovery couch shall have the following characteristics:
 - a. Dimensions: 72 inches (L) by 27 inches (W) by 18 inches (H).
 - b. Dual frame construction with separate base and headrest sections.
 - c. Non-adjustable wedge headrest.
 - d. Chrome-plated, steel legs.
 - e. Paper dispenser included.
 - f. 2 inch foam padding.
 - g. Heavyweight knot-backed upholstery.
 - h. 250 lbs. load capacity under normal use.
3. The warranty for trash bins must be 5 years or better.

RD.1 - Retail Display Clothing Rack

This specification establishes the minimum technical requirements for retail display clothing rack. These requirements are based on general industry standards and are intended to provide a high quality retail display clothing rack at the school store.

General Requirements

1. Retail display clothing rack shall meet or exceed all ANSI/BIFMA standards.
2. Retail display clothing rack shall be constructed of a heavy gauge metal frame.
3. Length of Rack shall be approximately 22 feet.
4. The warranty for retail display rack shall be as indicated by manufacturer's designation.

SD1 - Study Carrel

This specification establishes the minimum technical requirements for freestanding study booth. These requirements are based on general industry standards and are intended to provide high quality furniture for an academic environment.

General Requirements:

1. Study carrel shall meet or exceed all ANSI/BIFMA standards.
2. Study carrel is a free standing study surround that is designed to be ADA compliant.
3. The study carrel shall have comparable dimensions: 49 inches (Height) by 52 inches (Diameter)
4. Seating height at desk shall be 29 inches.
5. The table shall have a high pressure plastic laminate (HPL) surface, particle board core, PVC edge band.
6. Upholstery shall meet or exceed all ANSI/BIFMA standards.
7. Unit shall have anodized aluminum legs.
8. Unit shall have power options as indicated on Basis-of-Design FF&E Schedule.
9. The warranty for study carrel must have a 10 year warranty or better.

S1.a - Student Stool

This specification establishes the minimum technical requirements for a high-performance student stool. These requirements are based on general industry standards and are intended to provide high quality seating in an academic environment.

General Requirements

1. The stool shall be a high-performance stool that meets or exceeds all ANSI/BIFMA durability standards for seating.
2. The stool shall be armless with manufacturer's standard wood seat.
3. The stool shall have options for other types of material for seat.
4. The seat shall have a diameter of 14 inches.
5. Overall dimensions shall be comparable: 18 inches (Seated Height) by 14 inches (Width).
6. The legs and frame shall be 14" diameter heavy-gauge die-formed steel.
7. The stool shall have fully curled seat edges and a 14-15 1/2" base spreads provide strength, stability and safety.
8. The seat height shall be set 18 inches.
9. The seat shall have a maximum weight rating of 275 lbs.
10. Chair must offer glides for resilient flooring applications and table edge protection.
11. Frame finishes are to be baked-on, electrostatically applied gloss epoxy powder-coat paint.
12. The warranty for stool must be 15 years or better.

S1.b - Student Stool

This specification establishes the minimum technical requirements for a high-performance student stool. These requirements are based on general industry standards and are intended to provide high quality seating in an academic environment.

General Requirements:

1. The stool shall be a high-performance stool that meets or exceeds all ANSI/BIFMA durability standards for seating.
2. The stool shall be armless with manufacturer's standard wood seat.

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3. The stool shall have options for other types of material for seat.
4. The seat shall have a diameter of 14 inches.
5. Overall dimensions shall be comparable: 19-27 inches (Height) by 14 inches (Width).
6. The legs and frame shall be 14" diameter heavy-gauge die-formed steel.
7. The stool shall have fully curled seat edges and a 14-15 1/2" base spreads provide strength, stability and safety.
8. The seat height shall be set 27 inches that is adjustable from 19 to 27 inches.
9. The seat shall have a maximum weight rating of 275 lbs.
10. Chair must offer glides for resilient flooring applications and table edge protection.
11. Frame finishes are to be baked-on, electrostatically applied gloss epoxy powder-coat paint.
12. The warranty for stool must be 15 years or better.

S2 - Wobble Stool

This specification establishes the minimum technical requirements for a wobble stool. These requirements are based on general industry standards and are intended to provide a high quality wobble stool in an academic setting.

General Requirements:

1. The stool shall be a high-performance stool that meets or exceeds all ANSI/BIFMA durability standards for seating.
2. Stool has a plastic body with slip resistant base.
3. Stool is armless for easy movement and versatility.
4. Stool moves side to side, back and forth, or spin in a full circle.
5. Stool has a press button under the seat for pneumatic adjustment to fit any age.
6. The stool shall have adjustable height from 13.75 inches to 18.5 inches.
7. The stool shall have a weight capacity of 250 lbs.
8. The stool must have a Full Lifetime Warranty or better.

ST1 - Side Table

This specification establishes the minimum technical requirements for a side table. These requirements are based on general industry standards and are intended to provide a high quality side table with broad applicability.

General Requirements:

1. The side table shall meet or exceed all ANSI/BIFMA standards including ANSI/BIFMA X6.5-2022 Home Office and Occasional-Use Desk, Table and Storage Products.
2. The side table shall have comparable dimensions: 25 inches (H) by 20 inches (W) by 11 inches (D).
3. The top finish shall have a smooth, marble look finish.
4. Frame shall be a powder-coated metal. Color indicated on FF&E Schedule.
5. The warranty required for lounge chairs shall be five years or better.

ST2 - Side Table

This specification establishes the minimum technical requirements for a side table. These requirements are based on general industry standards and are intended to provide a high quality side table with broad applicability for waiting area in Administration Department on 1st Floor.

General Requirements:

1. The side table shall meet or exceed all ANSI/BIFMA standards including ANSI/BIFMA X6.5-2022 Home Office and Occasional-Use Desk, Table and Storage Products.

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2. The side table shall Beech wood with natural finish.
3. Dimensions: 21 inches (H) by 18 inches (W) by 21 inches (H).
4. The warranty required for lounge chairs shall be five years or better.

ST3 - Side Table

This specification establishes the minimum technical requirements for a side table. These requirements are based on general industry standards and are intended to provide a high quality side table with broad applicability of settings.

General Requirements:

1. The side table shall meet or exceed all ANSI/BIFMA standards including ANSI/BIFMA X5.5 Desk/table Products.
2. The side table shall have a compact design that easily fits into small footprints.
3. The side table shall have comparable dimensions: 16 inches (H) by 30 inches (W) by 30 inches (D).
4. The side table shall have a solid surface top and wood framed base.
5. The warranty required for lounge chairs shall be 12 years or better.

T1, T3, T6 - Conference Tables

This specification establishes the minimum technical requirements for freestanding, wood veneer boat-shaped top and base tables with a matte black powder coated interior frame. These requirements are based on general industry standards and are intended to provide high quality tables that are built for long and severe use.

General Requirements:

1. Tables must meet or exceed the requirements of ANSI/BIFMA X5.5 for desk and table products.
2. Tables and components shall be new, unused, currently standard products of an established manufacturer except for such deviations as may be required by this specification.
3. Units shall be free of all imperfections, defects and hazards which might affect appearance, normal life, serviceability, or user safety.
4. Details not specifically defined herein shall be in accordance with the best commercial practice for products of this type.
5. Conference tables shall have wood veneer top and base, with a powder-coated, aluminum interior frame.
1. Conference table dimensions shall match dimensions indicated on FF&E Finish Schedule.
2. Adjustable leveling glides shall be inserted into solid wood cleats.
3. All products situated on the floor shall have levelers.
4. Tabletops are to be finished on all six sides.
5. Where powered tables are specified, a minimum of one base shall have concealed power access with wire management.
6. All products shall carry a minimum 12-year, 3-shift warranty. Limitations or exclusions may include materials and components such as wood veneer and other indicated components.

T5.a and T5.b - Art table ADA and Art Table

This specification establishes the minimum technical requirements for freestanding art table. These requirements are based on general industry standards and are intended to provide high quality art tables that are built for long and severe use in a high school environment.

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General Requirements:

1. Art tables must meet or exceed all ANSI/BIFMA standards including ANSI/BIFMA X5.5 for desk and table products.
2. ADA Art table shall have comparable dimensions: 29 inches (Height) by 48 inches (Width) by 48 inches (Depth)
3. Art Table shall have comparable dimensions: 36 inches Height) by 48 inches (Width) by 48 inches (Depth).
4. The surface shall be 1 3/4 inch thick butcher block birchwood surface or comparable wood species.
5. The frame and leg system shall be heavy duty steel that can support up to 400 lbs.
6. The frame and leg system shall have a manufacturer's standard powder coat finish.
7. The warranty required for art table shall have Limited Lifetime or better.

T8 - Square Café Table

This specification establishes the minimum technical requirements for a café table. These requirements are based on general industry standards and are intended to provide a high quality cafe table for a dining application.

General Requirements:

1. The table shall meet or exceed all ANSI/BIFMA standards.
2. The table shall have a high pressure plastic laminate (HPL) surface, particle board core, PVC edge band.
3. The table's legs shall be 14 gauge powder coated steel.
4. The table shall have comparable dimensions: 29 inches (Height) by 36 (W) inches by 36 inches (Depth).
5. The table legs shall have casters for movement purposes. The casters must have a locking mechanism to lock table in place for safety and stability.
6. The warranty required for table shall have Limited Lifetime or better.

T9 Large Round Café Table

This specification establishes the minimum technical requirements for a café table. These requirements are based on general industry standards and are intended to provide a high quality cafe table for a dining application.

General Requirements:

1. The table shall meet or exceed all ANSI/BIFMA standards.
2. The table shall have a high pressure plastic laminate (HPL) surface, particle board core, PVC edge band.
3. The table's legs shall be 14 gauge powder coated steel.
4. The table shall have comparable dimensions: 29 inches (Height) by 54 inches (Diameter).
5. The table legs shall have casters for movement purposes. The casters must have a locking mechanism to lock table in place for safety and stability.
6. The warranty required for table shall have Limited Lifetime or better.

T10 - Wavy Rectangular Café Table

This specification establishes the minimum technical requirements for a café table. These requirements are based on general industry standards and are intended to provide a high quality cafe table for a dining application.

General Requirements:

1. The table shall meet or exceed all ANSI/BIFMA standards.
2. The table shall have a high pressure plastic laminate (HPL) surface, particle board core, and PVC edge band.
3. The table's legs shall be 14 gauge powder coated steel.
4. The table shall have comparable dimensions: 36 inches (Height) by 60 inches (Width) by 36 inches (Depth).

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5. The table legs shall have casters for movement purposes. The casters must have a locking mechanism to lock table in place for safety and stability.
6. The warranty required for table shall have Limited Lifetime or better.

T11 - High Top Round Café Table

This specification establishes the minimum technical requirements for a café table. These requirements are based on general industry standards and are intended to provide a high quality cafe table for a dining application.

General Requirements:

1. The table shall meet or exceed all ANSI/BIFMA standards.
2. The table shall have a high pressure plastic laminate (HPL) surface, particle board core, PVC edge band.
3. The table's legs shall be 14 gauge powder coated steel.
4. The table shall have comparable dimensions: 26 inches (Height) by 36 inches (Diameter).
5. The table legs shall have casters for movement purposes. The casters must have a locking mechanism to lock table in place for safety and stability.
6. The warranty required for table shall have Limited Lifetime or better.

T12 - Rectangular Café Table

This specification establishes the minimum technical requirements for a café table. These requirements are based on general industry standards and are intended to provide a high quality cafe table for a dining application.

General Requirements:

1. The table shall meet or exceed all ANSI/BIFMA standards.
2. The table shall have a high pressure plastic laminate (HPL) surface, particle board core, and PVC edge band.
3. The table's legs shall be 14 gauge powder coated steel.
4. The table shall have comparable dimensions: 36 inches (Height) by 54 inches (Width) by 36 inches (Depth).
5. The table legs shall have casters for movement purposes. The casters must have a locking mechanism to lock table in place for safety and stability.
6. The warranty required for table shall have Limited Lifetime Warranty or better.

T13.a - CATE Table

This specification establishes the minimum technical requirements for a CATE table. These requirements are based on general industry standards and are intended to provide a high quality CATE table for hands-on learning environment.

General Requirements:

1. The table shall meet or exceed all ANSI/BIFMA standards including ANSI/BIFMA x5.5 Desk/Table Products.
2. The table shall have a butcher block tabletop and heavy duty metal, powder-coated frame.
3. The table shall have comparable dimensions: 29 inches (Seated Height) by 60 inches (Width) by 42 inches (Depth).
4. The table legs shall have casters for movement purposes. The casters must have a locking mechanism to lock table in place for safety and stability.
5. The warranty must be Full Lifetime Warranty or better.

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T13.b - CATE Table

This specification establishes the minimum technical requirements for a CATE table. These requirements are based on general industry standards and are intended to provide a high quality CATE table for hands-on learning environment.

General Requirements:

1. The table shall meet or exceed all ANSI/BIFMA standards including ANSI/BIFMA x5.5 Desk/Table Products.
2. The table shall have a butcher block tabletop and heavy duty metal, powder-coated frame.
3. The table shall have comparable dimensions: 36 inches (Counter Height) by 60 inches (Width) by 42 inches (Depth).
4. The table legs shall have casters for movement purposes. The casters must have a locking mechanism to lock table in place for safety and stability.
5. The warranty must be Full Lifetime Warranty or better.

T14 and T15 - Training Tables

This specification establishes the minimum technical requirements for a training table. These requirements are based on general industry standards and are intended to provide a high quality training table for academic and administrative environments.

General Requirements:

1. Table shall meet or exceed all ANSI/BIFMA standards including ANSI/BIFMA X5.5 Desk/table Products.
2. Table shall have a high pressure plastic laminate (HPL) surface, manufactured wood core, and PVC edge band.
3. Tabletop shall be stain-resistant and scratch resistant.
4. Table's frame and legs shall be a heavy-duty gauge, powder coated steel.
5. T14 Table shall have comparable dimensions: 29 inches (Height) by 60 inches (Length) by 24 inches (Depth).
6. T15 Table shall have comparable dimensions: 29 inches (Height) by 72 inches (Length) by 30 inches (Depth).
7. Table shall have a seating capacity for 6 people.
8. Table shall have a weight capacity of 252 lbs.
9. Table legs shall have casters for movement purposes. The casters must have a locking mechanism to lock table in place for safety and stability.
10. Warranty required for table shall have Full Lifetime Warranty or better.

TB1, TB2, TB3 - Trash Bins

This specification establishes the minimum technical requirements for freestanding trash bins. These requirements are based on general industry standards and are intended to provide high quality trash bins that are built for long and severe use.

TB1: These trash bins shall meet these requirements:

1. Trash bins must meet or exceed the requirements of commercial grade waste containers for heavy duty use.
2. Trash bins shall be free standing, rectangular, and made of heavy duty plastic to ensure long lasting use.
3. Trash bin shall have a UV inhibitor to ensure long life even in most extreme commercial environments.
4. Trash bins shall have rounded handles making lifting and moving easier. provides a good grip for carrying.
5. Trash bins shall have comparable dimensions: 15 1/8 inches (H) by 14 1/2 inches by 10 1/2 inches.
6. Trash bins shall have the following capacity: 28 quarts or 7 gallons.
7. Trash bins shall have no lid.

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8. The warranty for trash bins must be 5 years or better.

TB2: These trash bins shall meet these requirements:

1. Trash bins must meet or exceed the requirements of USDA and NSF.
2. Trash can shall meet NSF 2, 21 approval and USDA Meat and Poultry Group listed, ensuring regulatory compliance for food storage and clean ability.
3. Trash bins shall be free standing, round with lid and dolly, and made of heavy duty plastic to ensure long lasting use.
4. Trash binds shall be stackable and seamless construction.
5. Trash bins shall have contoured base handles to improve grip and ergonomics, reducing strain and improving efficiency when emptying containers.
6. Trash bins shall have comparable height: 27.25 inches.
7. Trash bins shall have comparable top diameter: 21.92 inches.
8. Trash bind shall have a comparable top diameter, handle to handle: 25 inches.
9. Trash bins shall have the following capacity: 32 gallons.
10. Dolly Requirements:
 - a. Dolly shall fit with 32 gallon trash bin specified.
 - b. Dolly shall have comparable dimensions: 6.63 inches (H) by 18.03 inches (W).
 - c. Dolly shall have heavy-duty 3" swivel gray casters for better mobility through work areas.
 - d. Dolly shall attach to waste containers with easy twist-and-lock action.
 - e. Dolly shall support a minimum of 250 lbs.
11. The warranty for trash bins must be 10 years or better.

TB3: These trash bins shall meet these requirements:

1. Tr Trash bins must meet or exceed the requirements of commercial grade waste containers for heavy duty use.
2. Trash bins shall be free standing, rectangular space-saving design to fit nicely into corners.
3. Trash bins shall be constructed of durable stainless steel for long lasting service.
4. Trash bin shall have comparable dimensions: 31 ½ inches by 17 ¼ inches and 11 ¼ inches.
5. Trash bins shall have the following capacity: 13.5 gallons.
6. Trash bin shall include bag holder for easy bag changes and liner stays in place.
7. Trash bins shall have a built in swivel lid.
12. The warranty for trash bins must be one year or better.

TR1 - Trash/Recycling Bin

TB3: These trash bins shall meet these requirements:

1. Trash/Recycling bins must meet or exceed the requirements of commercial grade waste containers for heavy duty use.
2. Trash/Recycling bins shall be free standing, rectangular space-saving design to fit nicely into corners.
3. The two-compartment container shall be clearly marked with "Waste" and "Recycle" along with international symbols for both.
4. The two-compartment design with bold labels and restricted, intuitively shaped openings help direct patrons and staff to dispose of their waste in the proper stream.
5. Trash/recycling bins shall be made of powder coated steel and HDPE plastic.
6. Overall dimensions shall be comparable: 48 inches (Height) by 21.36=75 inches (Width) by 36.5 inches (Length).

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7. Can cavity dimensions shall be comparable: 32 inches (Height) by 16 ½ inches (Width) by 20 5/8 inches (Depth).
8. The unit shall have an approximate weight of 140 lbs.
9. The unit shall have to liners with approximately 32 gallon capacity for each.
10. The unit shall a fenced-in-top design to store returned trays after discarding of waste and recycling material.
11. The unit shall be designed to allow for easy access to liners for faster disposal of material and to maintain the cleanliness of the environment.
12. The trash/recycling bin shall have casters so it can be easily moved to a new location as needed.
13. The warranty for trash/recycling bin must be one year or better.

TRS1 - Tiered Riser Staging System

This specification establishes the minimum technical requirements for freestanding tiered riser staging system. These requirements are based on general industry standards and are intended to provide high quality riser staging system for a high school chorus.

General Requirements:

1. Tiered riser staging system shall meet or exceed all ANSI/BIFMA standards.
2. A portable stage and riser system that is strong, versatile and easy to set up and break down.
3. Platform decks are 3/4" thick and constructed of Group I veneer plywood with a protective laminate on both sides.
4. The standard surface option is black Cracked Ice Polypropylene: a slip resistant overlay recommended for general multi-purpose.
5. Additional surface options are available if greater slip resistance is required.
6. Carpet surface option is available with manufacturer's standard grey carpet over a 5/8 inch plywood core.
7. Carpet ready surface option is available with 5/8 plywood core if carpet is selected by Architect.
8. Black powder-coat paint finish is available for the deck surface, frame and legs.
9. Dynamic impact loading: 10,000 cycles of 400 lb-force at six locations per 4' x 8' rectangular deck.
10. StageTek load ratings as measured on a 4' x 8' rectangular deck:
 - a. Standard uniform live load for decks with 4 legs: 125 lbf/ft² meets L/75 deflection criteria.
 - b. Heavy duty uniform live load for decks with 5th leg (as needed or smaller deck): 150 lbf/ft² meets L/180 deflection criteria.
 - c. Heavy duty uniform live load for decks with no 5th leg, added stiffener(s): 150 lbf/ft² meets L/180 deflection criteria.
 - d. Lateral live side load: 12 lbf/ft² based on deck top surface area, meets IBC code.
 - e. Caster load: 300 lb applied via 2" diameter by 2" wide flat rubber wheel with no appreciable surface deformation.
 - f. Concentrated load: 500 lb on a single 6" x 6" square area per deck.
11. Standard rectangular decks feature spaces under each platform unobstructed by folding frames or braces allowing for easy storage/stowage space under the system.
12. Frame and edging are fabricated from 4" tall aluminum extrusion; extrusion is designed with a slight recess for hook and loop skirting attachment and also features notches hidden on the inside of the frame to accept accessory attachments.
13. Decks feature fully replaceable components including corners, frame, and wood deck; replaceable in the field with common tools • An aluminum extrusion center support rail is featured on deck sizes: 4' x 8', 4' x 6' and 3' x 8'.

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14. The frame is designed for safer, easier handling and features rounded contours ergonomically sized for a secure power grip (closed grip).
15. Standard unit-to-unit connectors are leg-to-leg connections of adjacent decks; additional connectors are available depending on the staging application • Leg braces are available to provide additional stability.

Accessories:

1. Guardrails:
 - a. Guardrails comply with IBC code requirements for loading.
 - b. Guardrails feature two uprights and three cross bars; optional infill panels can be added that comply with the IBC 4" (102 mm) sphere code.
 - c. Guardrails can function as a chair stop • Guardrails are 42" high with a black powder-coat paint finish.
 - d. Guardrails clamp to the stage deck without the need for tools.
2. Box Steps:
 - a. Box step accessory is available for audience seating applications.
3. Closure Panels:
 - a. Solid side and front closures are ideal for seated riser systems.
 - b. Constructed of the same material as the deck with the same surface options.
 - c. Edges are finished in a thermofused black edge band - Connects to the rail without tools via an extruded PVC clip running the length of the closure.
4. Warranty: Tiered riser staging system must have a ten year warranty or better.

WB1 - Mobile White Board

This specification establishes the minimum technical requirements for freestanding mobile white board. These requirements are based on general industry standards and are intended to provide high quality mobile white board that are used in an academic environment.

General Requirements:

1. Mobile white board shall meet or exceed all ANSI /BIFMA standards.
2. White board shall be made of E3 Ceramic Steel, a high-performance surface material that has environmentally friendly and magnetic qualities. E3 ceramic steel is created by fusing finely ground-colored glass onto a robust metal substrate. This process results in a glass-like, non-porous finish that is both visually appealing and extremely durable.
3. Frame and legs are constructed of heavy gauge, powder coated steel.
4. Unit shall have casters so it can be easily moved to a new location as needed.
5. Warranty mobile marker board must be Full Lifetime Warranty or better.

END OF TECHNICAL SPECIFICATIONS