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Kiosk Program Summary

Kiosk Program

The Kiosk program has been developed to enhance the opportunities to provide quick food and retail offerings to patrons with limited time during transit. The kiosk is a self-contained unit, therefore must be designed for maximum efficiency and flexibility.

The following manual will describe the four (4) Kiosk Types developed for DFW Airport.

**Kiosk Types**
1. 360° Kiosk
2. Retail Kiosk
3. Food & Beverage Kiosk
4. Wall Hugger Kiosk

General Requirements

Kiosks are freestanding units located throughout the Terminals where ceilings and floors are in place, and as temporary in-line tenants along the concourse.

Creativity, uniqueness and high quality are characteristics of the overall identity of DFW International Airport. In order to ensure consistency and continuity among the Kiosks, a common design appearance and design standards have been developed. The core of the Kiosk design is a ‘Canopy & Spine’ Element that is the backbone of the various options of kiosks available for tenant use. Each tenant’s kiosk solution must incorporate this Core Element (fig. 1) as shown in provided drawings in this manual. There is a standard core and a shortened core for use in the smaller layouts. In order to meet the tenants’ various retail needs, flexibility in design will occur in areas other than the core element. **The tenant’s design solution must be submitted for Airport approval and the Airport reserves final judgment as to the acceptability of proposed solutions.**

Note: The shortened core eliminates the center cabinet and acrylic panel. Please see page 11 of this document for drawings or slide 3 in the Attachment A: Supplemental Information.
Materials

The approved finishes for the kiosks are shown below. Reference images for each particular type of material and the location to be used on the kiosk is shown below. Any finish substitutions must closely match the finishes provided below and must be submitted for review and approval by DFW. All materials used in the kiosk fabrication must be durable and non-corrosive. A carefully defined edge must be established between different materials and surfaces on the kiosk.

**Approved Kiosk Finishes**

<table>
<thead>
<tr>
<th>Material Type</th>
<th>Core Element &amp; Base Cabinets</th>
<th>Acceptable Manufacturers</th>
<th>Fabrication Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bamboo Accent Panels</td>
<td>Used in Core Element &amp; Base cabinets.</td>
<td>Acceptable Manufacturers: PlybooPure Veneer Amber Prefinished Edge Grain Teragren Vertical Grain Carmelized panels 3/4” (Prefinished).</td>
<td>Fabrication Standards: 1. Panels to be installed so that grain is <strong>horizontal</strong>. 2. Bamboo Panels must be trimmed in Stainless Steel at all edges, ¼” wide.</td>
</tr>
</tbody>
</table>

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<tr>
<th>Material Type</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Manufactured Granite</td>
<td>Used as countertops in Core Element and base cabinets in SLAB form.</td>
<td>Acceptable Manufacturer: Silestone Rosa Grey</td>
<td>Fabrication Standards: 1. Fabricator to provide an Eased Edge.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material Type</th>
<th>Core Element &amp; Base Cabinets</th>
<th>Acceptable Manufacturers</th>
<th>Fabrication Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronze Metallic Paint</td>
<td>Used in Core Element top spine signage field.</td>
<td>Acceptable Finish: Forms +Surfaces Fused Bronze Metal Finish: Sandstone</td>
<td>Finish description: Baked enamel metallic bronze paint on metal.</td>
</tr>
</tbody>
</table>
**Approved Kiosk Finishes, cont’d.**

<table>
<thead>
<tr>
<th>Frosted Acrylic Panels</th>
<th>Brushed Stainless Steel</th>
<th>Polished Stainless Steel</th>
<th>Champagne Metallic Paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used in Core Element and Wallhugger signage panel.</td>
<td>Used in Core Element Base cabinets (metal or laminate clad).</td>
<td>Used to frame the mesh panels in the canopy, the transitional trim between materials and all light fixtures.</td>
<td>Used as an accent infill panel in base cabinets and Wall-hugger unit.</td>
</tr>
</tbody>
</table>

**Acceptable Manufacturer:**

1. 3Form
2. Chroma Reflect with Vapor Layer (for use in panels with no back lighting)

**No Substitutions.**

<table>
<thead>
<tr>
<th>Brushed Stainless Steel</th>
<th>Polished Stainless Steel</th>
<th>Champagne Metallic Paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acceptable Manufacturers:</td>
<td>Generic finish designation</td>
<td>Acceptable Manufacturers:</td>
</tr>
<tr>
<td>Forms +Surfaces</td>
<td>#8 Mirror Finish</td>
<td>Scuffmaster Paint #EM8369B</td>
</tr>
<tr>
<td>Stainless Steel Finish: Sandstone</td>
<td></td>
<td>Finish description: Baked enamel metallic champagne paint on metal</td>
</tr>
</tbody>
</table>

**Fabrication Standards:**

1. Brushed Stainless Steel panels to be installed so that brushed pattern is installed *vertically.*

<table>
<thead>
<tr>
<th>Silver Metallic Paint</th>
<th>White Matte (Flat) Paint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Used in Core Element Canopy (painted, brushed finish).</td>
<td>Used in reveals at the acrylic panels.</td>
</tr>
</tbody>
</table>

**Acceptable Manufacturers:**

1. Scuffmaster Paint EM808B
2. Benjamin Moore
3. Sherwin Williams

**Finish description:**

Baked enamel metallic silver paint on metal

Baked enamel metallic champagne paint on metal

<table>
<thead>
<tr>
<th>No image provided</th>
<th>No Substitutions.</th>
</tr>
</thead>
</table>

**White Matte (Flat) Paint**

Description:

White matte paint, color to match 3Form Acrylic Panels. Ref. Elevations for locations.

**Acceptable Manufacturers:**

1. Benjamin Moore
2. Sherwin Williams
### Approved Kiosk Finishes, cont’d.

<table>
<thead>
<tr>
<th>Stainless Steel Mesh</th>
<th>Toe Kick Base (straight)</th>
<th>Canopy Light Fixtures</th>
</tr>
</thead>
</table>
| **Description:** 3/16” Round on 7/32” Staggered Perforated Metal. Satin Finish | **Acceptable Manufacturers:**  
Johnonite  
#63 Burnt Umber  
Roppe  
#193 Black Brown  
Burke Flooring  
#523 Black Brown | **Description:** 1-Light Linear Double Gimbal fixture with built-in Electronic Transformer.  
**Input voltage:** 120V  
**Output voltage:** 12V  
**Lamp:** MR16  
**Trim Finish:** Silver/Polished  
**Acceptable Manufacturers:**  
Jesco Lighting Group  
MG1560-1E  
Cooper Lighting  
Combolight  
C1037M16E1TGSS (lamp wattage may vary) |

**Acceptable Manufacturers:**  
McNichols  
Marco Specialty Steel, Inc.  
Direct Metals  
Gordon  

**Fabrication Standards:**  
1. Perforated Stainless Steel panels to be inset into Polished Stainless Steel frames.  

**Fabrication Standards:**  
Base of cabinets to be 4” high x 3” deep. Finish material to be of a rubber or vinyl material, straight (un-coved) profile.

**Description:** Used in Core Element and Wallhugger Canopy.

**Acceptable Manufacturers:**  
#63 Burnt Umber  
#193 Black Brown  
#523 Black Brown

**Acceptable Manufacturers:**  
Johnsonite  
Roppe  
Burke Flooring

**Acceptable Manufacturers:**  
McNichols  
Marco Specialty Steel, Inc.  
Direct Metals  
Gordon

**Acceptable Manufacturers:**  
Johnsonite  
Roppe  
Burke Flooring

**Acceptable Manufacturers:**  
Johnsonite  
Roppe  
Burke Flooring

**Acceptable Manufacturers:**  
McNichols  
Marco Specialty Steel, Inc.  
Direct Metals  
Gordon
Design Rules for All Kiosk Components

All fabricator drawings and samples must be submitted for review and approved by DFW prior to actual fabrication to concur that the design intent has been satisfied.

1. Coordinating Trim – Stainless Steel (#8 finish) to be used at all outside corners and as a transition between changes in materials. Stainless steel corner guards to be ¼” in width. Transition strips shall be ½” wide at changes in material other than where manufactured granite is used on counters. The transition detail at counters should be 1” wide.

![Detail at outside corner](image)

Transitions between material changes

*Examples shown by Haogin and Schulter.*

2. Where standards and brackets are used for shelving supports, the standard must be installed so that it sits behind the face of the panel and be low profile.

   Front view of low profile standard behind wood panel, with bracket attached.

   *Rockler Low Profile Standard*
3. All cabinet hinges must be concealed (Soss, European type, or similar) or semi-concealed (piano type). Where piano hinges are used, they should run continuous the full length of the cabinet door. Examples of manufacturers include Rockler, Blum, Soss, Grass, Sugatsune. *Figure 2.*

4. The design solution must provide an integrated security grill mechanism or blocking mechanism to inhibit encroachment or access into the kiosk after hours. *The use of fabric shrouds or tents will not be permitted.* The materials used for security should remain consistent with those of the kiosk itself, (metal, mesh, glass, etc). When not in use the security mechanisms must be concealed. The kiosk fabricator will have the ability to tailor the security requirement to the actual kiosk use. Refer to the figures on this page for conceptual ideas. *Figure 3.*
Graphic Design Requirements

Below are the guidelines for Tenants to use for signage, kiosks are to be fabricated to accommodate the following guidelines. Signage is an important finishing touch for kiosks and must receive the same attention to quality and detail as the rest of the kiosks.

1. On all kiosks, excluding the Wall-hugger type, the core ‘Canopy and Spine’ Element is where tenant signage will be located. Figure 4.

2. The Tenant’s name or logo must be located at both ends of the top beam. An area in the bamboo spine has designated to accept an internally illuminated sign box, supplied by the manufacturer. The outside edges of the ‘sign box’ are to be trimmed stainless steel. Figures 4 & 5. The following construction methods and materials are permitted for signage, supplied by the Tenant. Other conditions are subject to approval:

   Dimensional (3D) graphics with pinned letterforms or logo constructed of an acrylic face panel, lit from behind. All exposed edges to be clad in brushed stainless steel or aluminum. The area for letters must not exceed 1'6" w x 11" h, see graphic to the left.

3. Signage is required on the front of the kiosk within the niche of the bamboo spine. Options for signage are a light box, supplied by manufacturer. Light box will need to be able to accept a duratran inserts. Graphics will supplied by the Tenant. Figure 6.

4. The designated area for Graphics in the Wall-hugger unit is located in the illuminated frosted acrylic area beneath the canopy. Tenants shall display their name or logo with applied vinyl copy to the illuminated acrylic panels. Figure 7.
1. The Canopy is comprised of a painted metal frame, with a secondary frame (polished or chromed stainless steel) to house a metal mesh (satin finish). The mesh panels (see 1.3.7) will provide the location for the light fixtures (see 1.3.8). The canopy terminates into the Spine Element. *Ref. Figure 8, Pages 11 & 12.*

2. The Spine element consists of a base cabinet clad in brushed stainless steel, topped with a white frosted acrylic display element and a bamboo wood ‘box’ with framed niche for a light box. The display element has the option for both open and closed shelving at the end. *Ref. Figure 8, Pages 11 & 12*

3. The top element has areas on each end, and both sides, for tenant signage. The middle portion consists of white frosted acrylic panels and linear lighting. The linear lighting must be installed so it will provide an evenly dispersed up-lighting affect. This can be achieved with the use of linear LED or Cold Cathode lamps. *Ref. Figure 8, Pages 11 & 12*

4. DFW design requirements for electrical service to tenant spaces do not allow for individual circuits to originate from board panels. The intent is for the tenant to install a feeder to the built-in sub-panel with main circuit breaker located within the kiosk space. This allow for the capability to disconnect power within the space and not having to find where circuits are being fed from. The kiosk electrical panel must be located in the bottom cabinet on the far right side of the kiosk. The food and beverage kiosk requires four (4) 20 amp circuits, two (2) 20 amp circuit for the 360 kiosk, wall-hugger, and retail. All circuits to be connected to the kiosk panel with a disconnect switch.
SILVER METALLIC PAINT

INTERNALLY ILLUMINATED WHITE FROSTED ACRYLIC PANELS (MODULES TO BE DETERMINED)

GLASS CASEMENT W S.S. EDGING (OPTIONAL)

BAMBOO FEATURE PANELS W/ 7/8 S.S. CORNER GUARDS (TYP.)

SLATE COUNTERTOP (USA GREY) WITH EASED EXPOSED EDGES

BRUSHED STAINLESS STEEL (VERTICAL PATTERN)

4" RUBBER BASE

SILVER METALLIC PAINT (ON CANOPY)

WHITE PAINTED REVEAL

INTERNALLY ILLUMINATED WHITE FROSTED ACRYLIC PANELS (MODULES TO BE DETERMINED)

SPINE - SIDE ELEVATION

Scale: 3/4" = 1'-0"
1. **Design Intent**

The 360° Shop Around is designed for the tenant requiring the smallest footprint and provides a complete walk around shopping experience. Figures 8, 9, 10 & 11.

2. **Size**

The footprint of the 360° Shop Around base unit must be 4’ x 8’, drawing below. The configuration of each 360° Shop Around can vary to fit each tenant’s needs as long as the core Canopy and Spine Element and all finishes match those provided in this Design Manual. The footprint must not exceed the limits provided by DFW Concessions Airport. Figure 12.
3. This kiosk utilizes the shortened Core Element as indicated on previous page, see # 2.

4. Lighting Requirements

Direct lighting will come from the light fixtures located in the canopy. There will be 2 directional fixtures in each end panel and one fixture in the center panels. (Reference section on materials for light fixture standards.) Figure 13

5. Configuration Examples

The layouts shown below are examples of the 360° Shop Around unit. This is not a comprehensive list or limited to what is shown. Each tenant will be able to submit a proposed layout that addresses their needs. Figure 14.
1. Design Intent

The retail RMU kiosk is for a tenant who is seeking a larger footprint and more flexibility in display configurations. Figures 15, 16, 17 and 18.

2. Size

The Retail Kiosk size will vary based on configurations and lease agreement. The standard module will start from a 10’ x 10’ footprint, and expand to 10’ x 15’, 10 x 20’, etc. The standard Core Element is required. Configurations of cabinets and display cases are to be designed utilizing the aforementioned ‘rules’ and must be submitted for review by DFW Concessions Department. Figure 19.
3. Lighting Requirements

Direct lighting will come from the light fixtures located in the canopy. There are to be 2 directional fixtures in each panel. (Reference section on materials for light fixture standards.) Figure 20.

4. Configuration Examples

Layouts shown are examples of approved layouts and material usage of the Retail Kiosk. Each tenant must submit proposed layout to DFW Concessions Department for review and approval.
1. Design Intent

The Food & Beverage kiosks are designed for those tenants selling food and beverage items.

2. Size

The Food and Beverage kiosk size will vary based on configurations and lease agreement. The standard module will start from a 10’ x 10’ footprint, and expand to 10’ x 15’, 10 x 20’, etc. The standard Core Element is required. Configurations of cabinets and display cases are to be designed utilizing the aforementioned ‘rules’ and must be submitted for review by DFW. Layouts shown are examples of approved layouts and material usage. Figure 21.

3. Lighting Requirements

Direct lighting will come from the light fixtures located in the canopy. There are to be 2 directional fixtures in each panel. (Reference section on materials for light fixture standards.) Figure 22.
4. Configuration Examples

The layouts shown below provide an example Food & Beverage Kiosks. Each tenant must submit a proposed layout for DFW Concessions Department for review and approval. *Figures 23 and 24*
1. Design Intent

The Wall-huggers were developed to be used against walls and do not require the standard core element but a back wall element. Unit must incorporate a way to secure the merchandise afterhours. All designs must be submitted to DFW Concessions Department.

2. Size

The footprint of the Wall-hugger unit is 5’ w x 2’d x 9 h’. The configuration of each Wall-hugger can vary to fit each tenant’s needs as long as the core back wall element and all finishes match those provided in this Design Manual. These units must be stand-alone to form a continuous line and/or fill a niche space. The footprint must not exceed the limits provided by DFW Concessions Department. Figures 25, 26, 27 and Pages 20, 21 and 22.

3. Lighting Requirements

Direct lighting will come from the light fixtures located in the top of the wall-hugger and the back-lit acrylic panels. There are (two) 2 directional fixtures in each mesh panel. (Reference section materials for light fixture standards.) Figure 25, Page 21

4. For dimensions and details refer to following pages 20, 21 and 22.
VII. Special Conditions

- General Information
  - Power must be provided for lighting and signage light box.
  - All cabinets must be lockable.
  - All glass enclosed cabinets must be lockable.
  - All drawers must be lockable.
  - Wall-hugger must have four (4) adjustable shelves with low profile brackets.
  - All units must have a hidden latch system which prevents units from moving while in place.
  - Food and Beverage Kiosk must allow space for refrigerator, ice machines and soda fountains. Equipment to be provided by operator.
  - Wall-hugger units must be interlocking.
  - DFW design requirements for electrical service to tenant spaces do not allow for individual circuits to originate from board panels. The intent is for the tenant to install a feeder to the built-in sub-panel with main circuit breaker located within the kiosk space. This allow for the capability to disconnect power within the space and not having to find where circuits are being fed from. The kiosk electrical panel must be located in the bottom cabinet on the far right side of the kiosk. The food and beverage kiosk requires four (4) 20 amp circuits, two (2) 20 amp circuit for the 360 kiosk, wall-hugger, and retail. All circuits to be connected to the kiosk panel with a disconnect switch.
  - All units must be constructed to meet the DFW Airports current adopted codes.
  - Food and Beverage kiosks must be constructed to include all requirements of the Tarrant Co. Health Department.

- Specific Information—Refer to Supplemental Information
  - Base Unit C - Must include two (2) adjustable shelves with low-profile brackets.
  - Base Unit H - This unit is only to be used on the sides of the F&B Kiosk. Upper storage cabinets are an option only for this unit.
  - Base Unit I – Must include three (3) adjustable shelves with low-profile brackets.
  - Base Unit J – Must include three (3) compartment sink per Tarrant Co. Health department.
  - Base Unit F - Drawers are in a cabinet inserted underneath a parsons table.

- Category Configurations, each category consists of the following combinations:
  - 360 Kiosk
    - Spine (Core)-Shortened version.
    - Base Unit D
    - Base Unit E
  - Retail Kiosk
    - Spine (Core)
    - Base Unit A
    - Base Unit B
    - Base Unit C
  - Food and Beverage Kiosk
    - Spine (Core)
    - Base Unit A
    - Base Unit C
    - Base Unit G
- Wall-hugger
  - Wall-hugger Unit