



AccessTile®

Tactile Systems

WAYFINDING DIRECTIONAL BAR
Cast-In-Place & Surface Applied
Submittal



WAYFINDING TILES

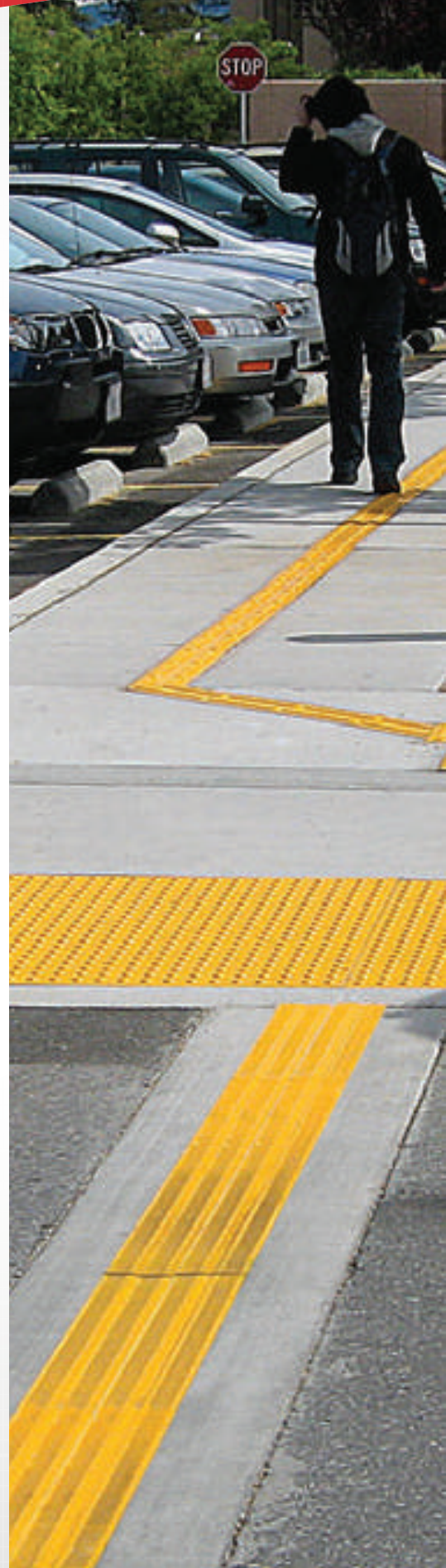
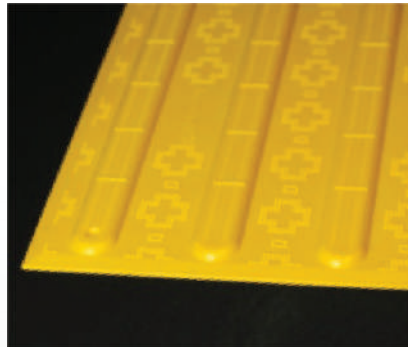
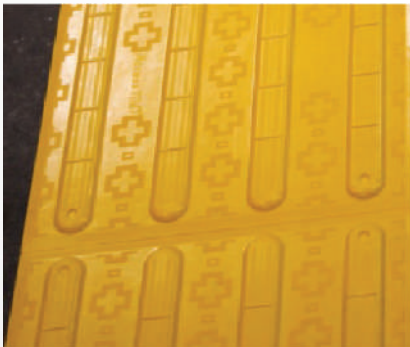
Introducing the **Ultimate Solution™** in Tactile Walking Surface Indicators (TWSI). Access Tile® Wayfinding tiles have combined proven engineered polymers, processing, and material technologies with innovative and intelligent design features to create the ultimate in wayfinding tiles. Maximized efficiencies in manufacturing, materials, sourcing, and product specifications deliver the most cost-effective solution in the industry. Access Tile Wayfinding Bar tiles are the industry leader for durability, weather, and wear resistance and are available as replaceable cast-in-place and surface-applied tiles.

Tactile Walking Surface Indicators (TWSI) Wayfinding Tiles products for the following and many more applications:

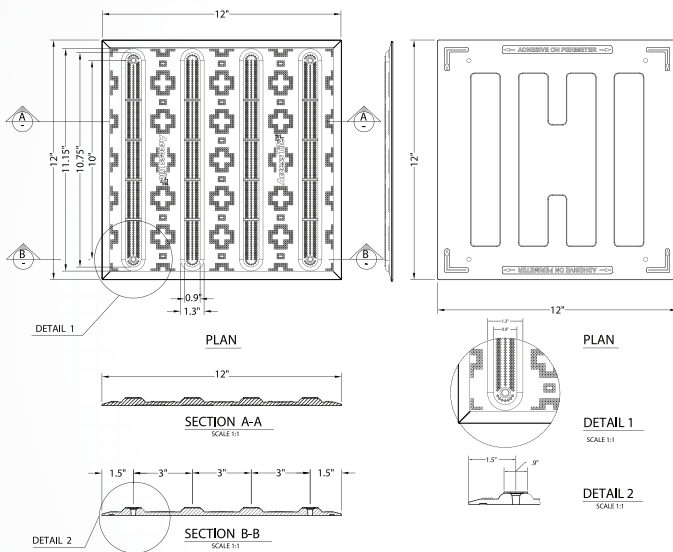
- Leading to Doorways or Transit Stops
- Escalator Approaches
- Sidewalks / Outdoor Walkways
- Transit Platforms
- Top of Stair Landings
- Multi-Modal Transit Stations
- Elevator Call Buttons

PRODUCT FEATURES

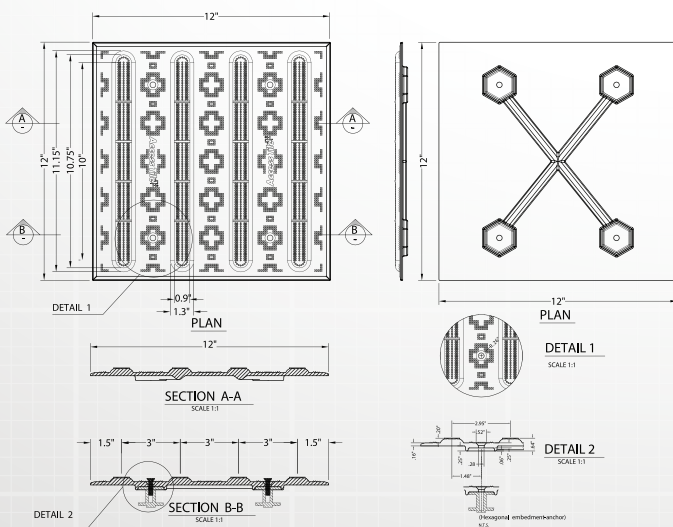
- A cost-effective method of retrofitting existing sidewalks
- Cast-in-place replaceable and surface-applied options
- A complete system is shipped with the tiles; adhesive and color match fasteners / anchors
- Lightweight and easy to handle
- Easily cut to conform to various sizes and radius ramps
- Comes in six (6) standard colors
- 5-year manufacturer's warranty



TACTILE WALKING SURFACE INDICATOR (TWSI) WITH WAYFINDING BARS – SURFACE-APPLIED TILES



TACTILE WALKING SURFACE INDICATOR (TWSI) WITH WAYFINDING BARS – CAST-IN-PLACE TILES



STANDARD COLORS



CUSTOM COLORS

Large variety available. Let us know how we can help.

STANDARD WAYFINDING BAR SIZES

SIZE	PRODUCT CODE
12" x 12" (305 x 305 mm)	ACC-SB-1212
12" x 12" (305 x 305 mm)	ACC-RB-1212

APPLICATIONS

TWSI Wayfinding Bars

- Located in large open floor areas, such as shopping malls or transportation terminals, to facilitate wayfinding by indicating the primary routes of travel.
- The indicated routes should lead from the entrance to major destinations, such as an information kiosk, registration desk, stairway, elevator, escalators, or store and service doors.
- Used with TWSI domes as attention indicators for change of direction or end of pathway.





SECTION 32 17 26 - TACTILE WALKING SURFACE DIRECTIONAL BAR WAYFINDING PANELS SURFACE APPLIED

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A Drawings and general provisions of Contract, including General and Special Conditions and Division 1 Specifications Section, apply to this Section.

1.2 DESCRIPTION

- A This Section specifies furnishing and installing Surface Applied Directional Bar Panels where indicated. Not recommended for asphalt applications.

1.3 SUBMITTALS

- A Product Data: Submit manufacturer's literature describing products, installation procedures, and routine maintenance.
- B Samples for Verification Purposes: Submit two (2) samples minimum 12" x 12" (305 x 305 mm) of the kind proposed for use.
- C Shop drawings are required for products specified showing fabrication details, panel surface profile, fastener locations, plans of panel placement including joints, and material to be used as well as outlining installation materials and procedure.
- D Material Test Reports: Submit complete test reports from qualified accredited independent testing laboratories to qualify that materials proposed for use are in compliance with requirements and meet or exceed the properties indicated on the specifications.
- E Maintenance Instructions: Submit copies of manufacturer's specified installation and maintenance practices for each type of tactile walking surface panel.

1.4 QUALITY ASSURANCE

- A Provide Surface Applied Directional Bar Panels and accessories as produced by a single manufacturer with a minimum of three (3) years experience in the manufacturing of tactile walking surface products.
- B Installer's Qualifications: Engage an experienced installer who has successfully completed installations similar in material, design, and extent to that indicated for Project.
- C Surface Applied Directional Bar Panels shall be manufactured from fiberglass reinforced polymer composite. Panels shall incorporate the following design elements:
 - 1. Raised tactile bars oriented parallel to panel edges
 - 2. Bar height of 0.20" (5 mm)

3. Bar base width of 1.30" (33 mm)
4. Bar top width of 0.90" (23 mm)
5. Bar spacing of 3.0" (0 mm) center to center
6. Traction elements on top of bars and in the field between bar bases shall consist of a micro texture of raised points 0.05" high (1.2 mm)

D Surface Applied Directional Bar Panels shall meet or exceed the following test criteria using the most current test methods:

Test Method	Test Description	Value
ASTM D 695	Compressive Strength	≥ 28,900 psi (199.2 Mpa)
ASTM D 790	Flexural Strength	≥ 21,000 psi (144.7 Mpa)
ASTM D 638	Tensile Strength	≥ 11,000 psi (75.8 Mpa)
ASTM D 570	Water Absorption	≤ 0.05%
ASTM C 1028	Slip Resistance	≥ 0.80 wet/dry
ASTM E 84	Flame Spread Index	≤ 25
ASTM B 117	Salt Spray	No Effect
ASTM 1308	Chemical Stain	No Effect
ASTM C 501	Abrasion Resistance (lw)	> 500
ASTM G 155	Accelerated Weathering (2000hrs)	ΔE < 5
AASHTO-H20	Load Bearing at 10,410 lbs.	No Effect
ASTM C 1026	Freeze/Thaw/Heat	No Effect
ASTM D 1037	Accelerated Aging	No Effect

1.5 DELIVERY, STORAGE AND HANDLING

- A Surface Applied Directional Bar Panels shall be packaged to prevent damage in shipment or handling. Finished surfaces shall be protected by sturdy wrappings and products shall be identified by part number.
- B Surface Applied Directional Bar Panels shall be delivered to a location at the building site for storage before installation. Store panels in an area that is within an acceptable temperature range 40°F - 90°F (4°C - 32°C) and maintain the storage facility in a clean, dry condition to prevent contamination or damage to the panels.

1.6 SITE CONDITIONS

- A Environmental Conditions and Protection: Maintain minimum temperature of 40°F (4°C) in spaces to receive Surface Applied Directional Bar Panels for at least 24 hours prior to installation, during installation, and for not less than 24 hours after installation.

1.7 WARRANTY

- A Surface Applied Directional Bar Panels shall be warranted by the manufacturer in writing for a period of five (5) years from date of final completion. The guarantee includes manufacturing defects, breakage, and deformation.
- B Surface Applied Detectable Warning Surface Panel installation shall be warranted in writing for two (2) years by the installer. Products must be guaranteed from defective work and loosening of panels.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

A. **Access Tile** Surface Applied Directional Bar Panels as manufactured by **SureWerx**, 325 Corporate Drive, Elgin, Illinois 60123. Phone 844-697-2920, orders.ci.usa@surewerx.com, <https://accesstile.com/>

1. Panel Sizes (nominal): 12" x 12" (305 x 305 mm)
2. Color: Color shall be single, homogeneous color throughout panel and be close approximation of the following AMS-STD-595 color numbers:
 - a. Federal Yellow (YW), Color No. 33538
 - b. Brick Red (RD), Color No. 22144
 - c. Colonial Red (COL) Color No. 20109
 - d. Safety Red (SR) No. 31350
 - e. Onyx Black (BK) No. 17038
 - f. Dark Gray (G) No. 36118

2.2 MATERIALS

- A. Panel Composition: Surface Applied Directional Bar Panels shall be manufactured using an exterior grade homogeneous (uniform color throughout thickness of product) fiberglass reinforced polyester based composite material. Truncated domes must contain fiberglass reinforcement within the truncated dome for superior structural integrity and impact resistance. Use of tactile warning surface products employing colored coatings is expressly prohibited.
- B. Fasteners: Nylon sleeve stainless-steel low-profile expansion anchors 1/4 inch diameter by minimum 1-1/2 inch long as supplied by SureWerx with panels.
- C. Adhesive: Heavy duty elastomeric polyurethane adhesive by the following:
 1. Bostik Ultra-Set Advanced
 2. ChemLink M-1 Structural Adhesive/Sealant
 3. or approved equal

PART 3 - EXECUTION

3.1 PREPARATION

- A. The concrete shall be poured and finished, true and smooth to the required dimensions and slope prior to Surface Applied Tactile Walking Surface Panel placement.

3.2 EQUIPMENT

- A. Contractor shall provide all tools, equipment, and services required for satisfactory installation per manufacturer's instruction as Incidental Work. Equipment which may be required include typical mason's tools, a 4-foot level with electronic slope readout, 25 lb. (11.4 kg) weights, and tools for cutting the Tactile Walking Surface Panels.

3.3 INSTALLATION

- A. Contractor will not be allowed to install panels until all submittals have been reviewed and approved by the Engineer. Panels shall be installed per manufacturer's instructions.

- B. Cutting of panels may be required to accommodate specific site conditions. All possible attempts shall be made to minimize cutting of the panels. Minimum acceptable width of the cut panel shall be 9".
- C. For proper curing of adhesive and sealant, air and substrate temperatures must maintain a minimum temperature of 40°F (4°C) for at least 8 hours after installation of panels.
- D. Verify that substrate is flat across application area of panels. Field grinding of concrete may be required to remove high spots and assure a flat substrate is achieved prior to panel installation.
- E. Prior to application of adhesive to concrete substrate, remove any residual contamination by mechanical abrasion, sand blasting, or power washing. On green concrete, remove all release agents, friable and loose concrete. Dry all visible and standing water prior to applying adhesive.
- F. Clean the bottom side of the panels with acetone on a clean rag. Wipe around the perimeter and along the internal cross pattern to remove any dirt or dust particles from the area to receive the adhesive.
- G. Apply minimum 3/8" (9.5 mm) bead of adhesive on the backside of panels continuous along both perimeter and interior flat frame surface.
- H. For superior adhesion and panel support in high traffic areas, a full coverage of adhesive may be desired
- I. Set the panels together along the desired path maintaining straight runs to intersections or decision points.
- J. Drill 1/4" (6.35 mm) holes to a depth of 2" (50.8 mm) at all fastener locations provided in top of panel. Additional attachment locations may be required at the perimeter of cut panels or as needed to properly secure panel to substrate. Locate new holes through center of truncated domes using a 5 point 1/2" (12.7 mm) x 82 degree countersink drill bit.
- K. Mechanically fasten panels to the concrete substrate using manufacturer supplied composite sleeve anchors with stainless steel drive pins. Ensure that the fastener has been set to full depth, straight and true. Care should be taken when setting the fastener to avoid striking the surface of the panel.
- L. Apply a continuous bead of sealant around the perimeter edge the installed panel.
- M. Do not allow foot traffic on installed panel until the perimeter edge sealant has fully cured.

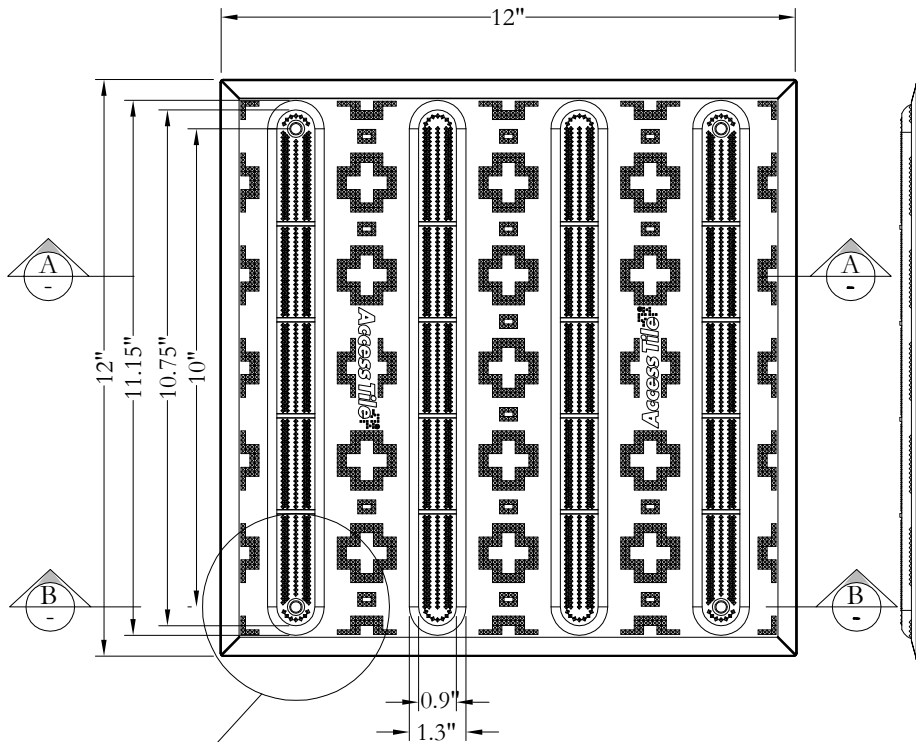
3.4 CLEANING AND PROTECTING

- A. Protect panels against damage during construction period to comply with panel manufacturer's Specifications.
- B. Remove strippable protective film from panel within 24 hours of installation of the panel. Note that hot temperatures and excess exposure to sunlight can cause protective film to permanently adhere to panels surface.
- C. If requested by the Project Manager, clean panels not more than four (4) days prior to date scheduled for inspection intended to establish date of substantial completion in each area of project. Clean panel by method specified by Detectable Warning Surface panel manufacturer.

END OF SECTION

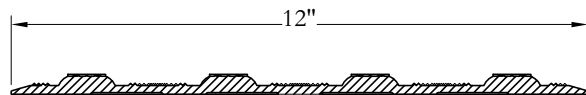
1'X1'

SURFACE APPLIED
3" BAR SPACING

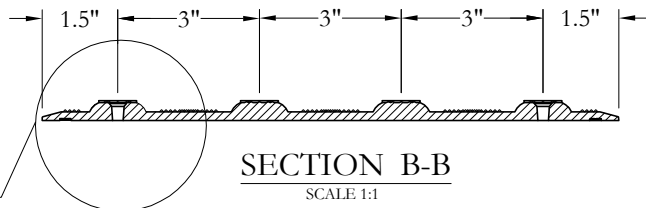


DETAIL 1

PLAN

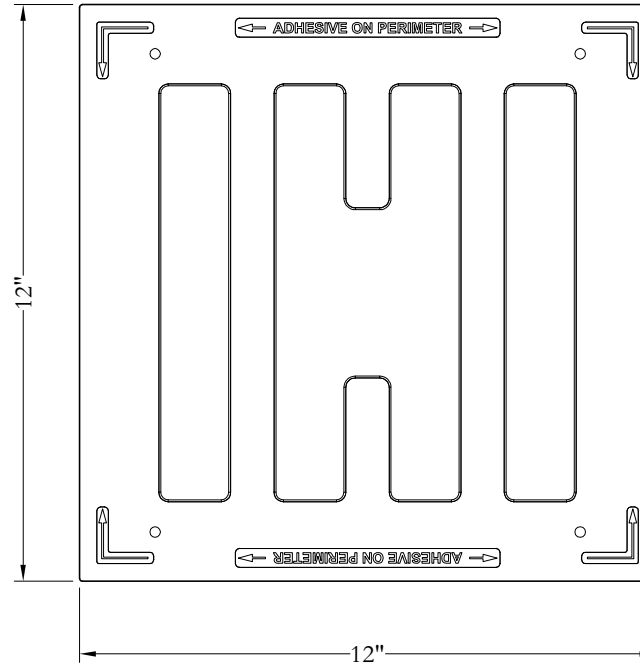


SECTION A-A
SCALE 1:1

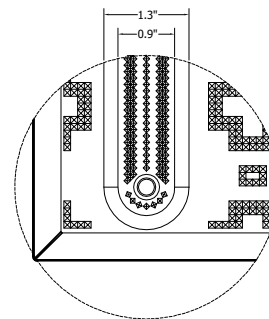


DETAIL 2

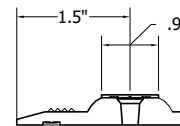
SECTION B-B
SCALE 1:1



PLAN



DETAIL 1
SCALE 1:1



DETAIL 2
SCALE 1:1



MATERIAL LIST

ITEM	DESCRIPTION	PART NO.	QTY
1	ACCESS TILE	ACC-DR-1212	1

NOTE: FASTENERS AND 1 TUBE OF TACTILE BOND AND SEAL ARE INCLUDED WITH TILE

REFERENCE DRAWINGS

DWG. NO.	DESCRIPTION

No.	DATE	REVISION	APPR.



SCALE N.T.S.

DESIGNED KES DATE 10/09/2008

DRAWN RWO 10/15/2008

CHECKED KES

PROJECT MANAGER

TRADE DETECTABLE WARNING SURFACE PART NO. ACC-S-3X4

MATERIAL POLYMER COMPOSITE

SUBJECT **ACCESS TILE®**
TRUNCATED BAR, DETECTABLE
WARNING TACTILE SURFACE

PROJECT **ACCESS TILE®**
TRUNCATED BAR, DETECTABLE
WARNING TACTILE SURFACE
1X1SURFACE APPLIED

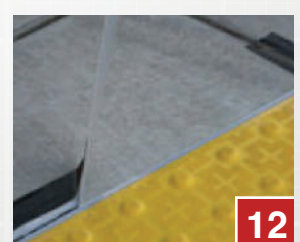
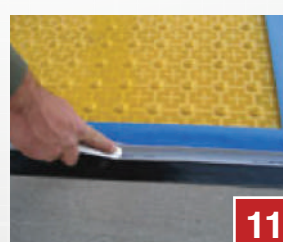
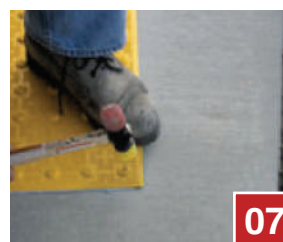
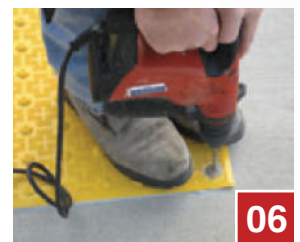
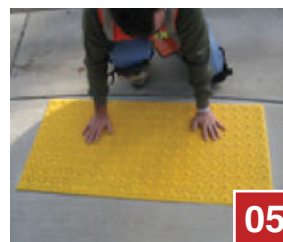
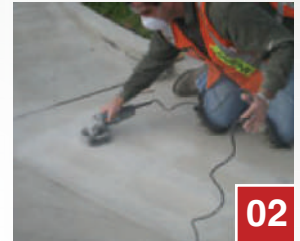
DRAWING NO. ACC-DS-1212 REV. NO.

SURFACE APPLIED

Installation Instructions

1. Place the tile on the designated location and trace the perimeter with a thin permanent marker.
2. Set the tile aside, and using a 4" diamond cup grinder, prepare the concrete within the marked location and in correspondence with the location requiring adhesive as indicated on the backside of the tile.
3. Clear away the dust with a leaf blower, then clean the back of the tile and the concrete with a rag soaked in acetone.
4. Apply Tactile Bond and Seal adhesive to the back of the tile (as indicated on the tile). The first bead should be applied thin, 1/2" from the perimeter edge, and a second thicker bead applied 1" inside of the first.
5. Set the tile true and square to the concrete and press down firmly.
6. While stepping down on either side of the preformed hole, drill down 3" into concrete using a hammer drill and the recommended diameter drill bit. Drill through the tile without the hammer option until the tile has been penetrated, then with the hammer option drill into the concrete.
7. While still applying pressure, remove the dust and any adhesive that surfaces and carefully set the supplied color-matched Axis® Fasteners with a plastic-tipped hammer. Repeat steps 6 & 7 while working across the tile from one end until all pre-formed fastener locations are completed.
8. Clean the perimeter of the tile and the immediately surrounding concrete with acetone, making sure to remove any adhesive that has escaped from beneath the tile. Apply a smooth sealant around the perimeter of the tile.
9. Tape all perimeter edges.
10. Apply Tactile Bond and Seal around the tile perimeter using care to work sealant into any void between the tile and concrete interface.
11. Tool perimeter sealant with a round plastic applicator or spatula to create a cove.
12. Remove tape immediately after tooling perimeter sealant.
13. DO NOT allow floor traffic until perimeter sealant has cured sufficiently to avoid tracking.

Tiles can be cut to custom sizes, or to make a radius, using a continuous rim diamond blade in a circular saw or mini-grinder. Use of a straightedge to guide the cut is advisable where appropriate.





SECTION 32 17 26 - TACTILE WALKING SURFACE DIRECTIONAL BAR WAYFINDING PANELS CAST-IN-PLACE REPLACEABLE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A Drawings and general provisions of Contract, including General and Special Conditions and Division 1 Specifications Section, apply to this Section.

1.2 DESCRIPTION

- A This Section specifies furnishing and installing Cast-In-Place Directional Bar Panels where indicated. Not recommended for asphalt applications.

1.3 SUBMITTALS

- A Product Data: Submit manufacturer's literature describing products, installation procedures, and routine maintenance.
- B Samples for Verification Purposes: Submit two (2) samples minimum 12" x 12" (305 x 305 mm) of the kind proposed for use.
- C Shop drawings are required for products specified showing fabrication details, panel surface profile, fastener locations, plans of panel placement including joints, and material to be used as well as outlining installation materials and procedure.
- D Material Test Reports: Submit complete test reports from qualified accredited independent testing laboratories to qualify that materials proposed for use are in compliance with requirements and meet or exceed the properties indicated on the specifications.
- E Maintenance Instructions: Submit copies of manufacturer's specified installation and maintenance practices for each type of tactile walking surface panel.

1.4 QUALITY ASSURANCE

- A Provide Cast-In-Place Directional Bar Panels and accessories as produced by a single manufacturer with a minimum of three (3) years experience in the manufacturing of tactile walking surface products.
- B Installer's Qualifications: Engage an experienced installer who has successfully completed installations similar in material, design, and extent to that indicated for Project.
- C Cast-In-Place Directional Bar Panels shall be manufactured from fiberglass reinforced polymer composite. Panels shall incorporate the following design elements:
 - 1. Raised tactile bars oriented parallel to panel edges

2. Bar height of 0.20" (5 mm)
3. Bar base width of 1.30" (33 mm)
4. Bar top width of 0.90" (23 mm)
5. Bar spacing of 3.0" (0 mm) center to center
6. Traction elements on top of bars and in the field between dome bases shall consist of a micro texture of raised points 0.05" high (1.2 mm)

- D Cast-In-Place Directional Bar Panels shall meet or exceed the following test criteria using the most current test methods:

Test Method	Test Description	Value
ASTM D 695	Compressive Strength	≥ 28,900 psi (199.2 Mpa)
ASTM D 790	Flexural Strength	≥ 21,000 psi (144.7 Mpa)
ASTM D 638	Tensile Strength	≥ 11,000 psi (75.8 Mpa)
ASTM D 570	Water Absorption	≤ 0.05%
ASTM C 1028	Slip Resistance	≥ 0.80 wet/dry
ASTM E 84	Flame Spread Index	≤ 25
ASTM B 117	Salt Spray	No Effect
ASTM 1308	Chemical Stain	No Effect
ASTM C 501	Abrasion Resistance (lw)	> 500
ASTM G 155	Accelerated Weathering (2000hrs)	ΔE < 5
AASHTO-H20	Load Bearing at 10,410 lbs.	No Effect
ASTM C 1026	Freeze/Thaw/Heat	No Effect
ASTM D 1037	Accelerated Aging	No Effect

1.5 DELIVERY, STORAGE AND HANDLING

- A Cast-In-Place Directional Bar Panels shall be packaged to prevent damage in shipment or handling. Finished surfaces shall be protected by sturdy wrappings and products shall be identified by part number.
- B Cast-In-Place Directional Bar Panels shall be delivered to a location at the building site for storage before installation. Store panels in an area that is within an acceptable temperature range 40°F - 90°F (4°C - 32°C) and maintain the storage facility in a clean, dry condition to prevent contamination or damage to the panels.

1.6 SITE CONDITIONS

- A Environmental Conditions and Protection: Maintain minimum temperature of 40°F (4°C) in spaces to receive Cast-In-Place Directional Bar Panels for at least 24 hours prior to installation, during installation, and for not less than 24 hours after installation.

1.7 WARRANTY

- A Cast-In-Place Directional Bar Panels shall be warranted by the manufacturer in writing for a period of five (5) years from date of final completion. The guarantee includes manufacturing defects, breakage, and deformation.
- B Cast-In-Place Detectable Warning Surface Panel installation shall be warranted in writing for two (2) years by the installer. Products must be guaranteed from defective work and loosening of panels.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. **Access Tile** Cast-In-Place Directional Bar Panels as manufactured by **SureWerx**, 325 Corporate Drive, Elgin, Illinois 60123. Phone 844-697-2920, orders.ci.usa@surewerx.com, www.armor-tile.com/
1. Panel Sizes (nominal): 12" x 12" (305 x 305 mm)
 2. Color: Color shall be single, homogeneous color throughout panel and be close approximation of the following AMS-STD-595 color numbers:
 - a. Federal Yellow (YW), Color No. 33538
 - b. Brick Red (RD), Color No. 22144
 - c. Colonial Red (COL) Color No. 20109
 - d. Safety Red (SR) No. 31350
 - e. Onyx Black (BK) No. 17038
 - f. Dark Gray (G) No. 36118

2.2 MATERIALS

- A. Panel Composition: Cast-In-Place Directional Bar Panels shall be manufactured using an exterior grade homogeneous (uniform color throughout thickness of product) fiberglass reinforced polyester based composite material. Truncated domes must contain fiberglass reinforcement within the truncated dome for superior structural integrity and impact resistance. Use of tactile warning surface products employing colored coatings is expressly prohibited.
- B. Concrete Anchor Hardware: Cast-In-Place Directional Bar Panels feature fiberglass reinforced nylon hex anchors attached with stainless steel anchor screws.

PART 3 - EXECUTION

3.1 PREPARATION

- A. During all concrete pouring and Directional Bar panel installation procedures, ensure adequate safety guidelines are in place and that they are in accordance with the applicable industry and government standards.
- B. The physical characteristics of the concrete shall be consistent with the Contract Specifications while maintaining a slump range of 4 - 7 to permit solid placement of the Cast-In-Place Replaceable Directional Bar Tiles. An overly wet mix will cause the tiles to float. Under these conditions, suitable weights such as concrete blocks or sandbags may be placed on each panel.
- C. The concrete shall be poured and finished, true and smooth to the required dimensions and slope prior to Cast-In-Place Tactile Walking Surface Panel placement.

3.2 EQUIPMENT

- A. Contractor shall provide all tools, equipment, and services required for satisfactory installation per manufacturer's instruction as Incidental Work. Equipment which may be required include typical mason's tools, a 4-foot level with electronic slope readout, weights, and tools for cutting the Tactile Walking Surface Panels.

3.3 INSTALLATION

- A. Contractor will not be allowed to install panels until all submittals have been reviewed and approved by the Engineer. Panels shall be installed per manufacturer's instructions.
- B. Cutting of panels may be required to accommodate specific site conditions. All possible attempts shall be made to minimize cutting of the panels. Field cut panel segments shall include at least two concrete anchors.
- C. To the maximum extent possible, the Directional Bar Tiles shall be oriented in a straight, aligned row at locations indicated on design drawings. Alignment between successive tiles should be within 0.125" (3.17 mm).
- D. Cast-In-Place Replaceable Directional Bar Tiles shall be tamped or vibrated into the fresh concrete to ensure that there are no voids or air pockets, and the field level of the tile is flush to the adjacent concrete surface or as the Drawings indicate to permit proper water drainage and eliminate tripping hazards between adjacent finishes.
- E. Do not allow foot traffic on installed panels until the perimeter edge sealant has fully cured.

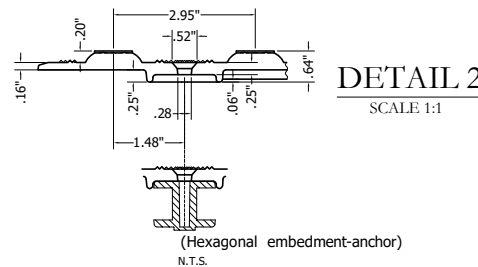
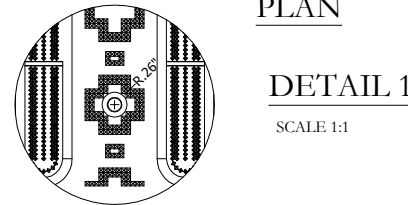
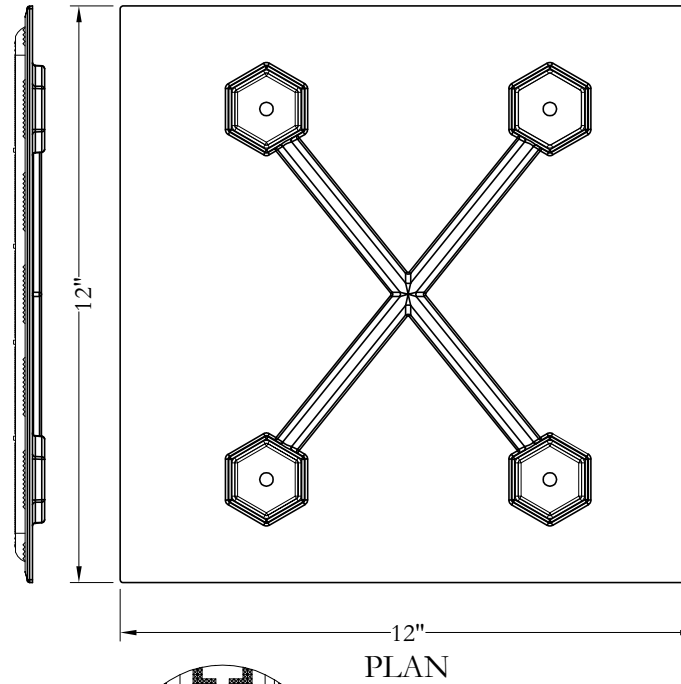
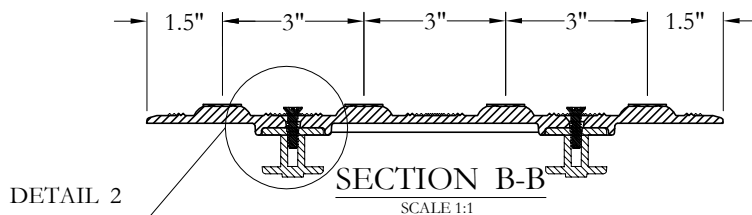
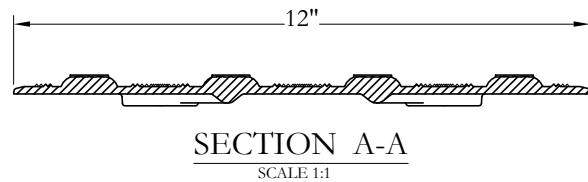
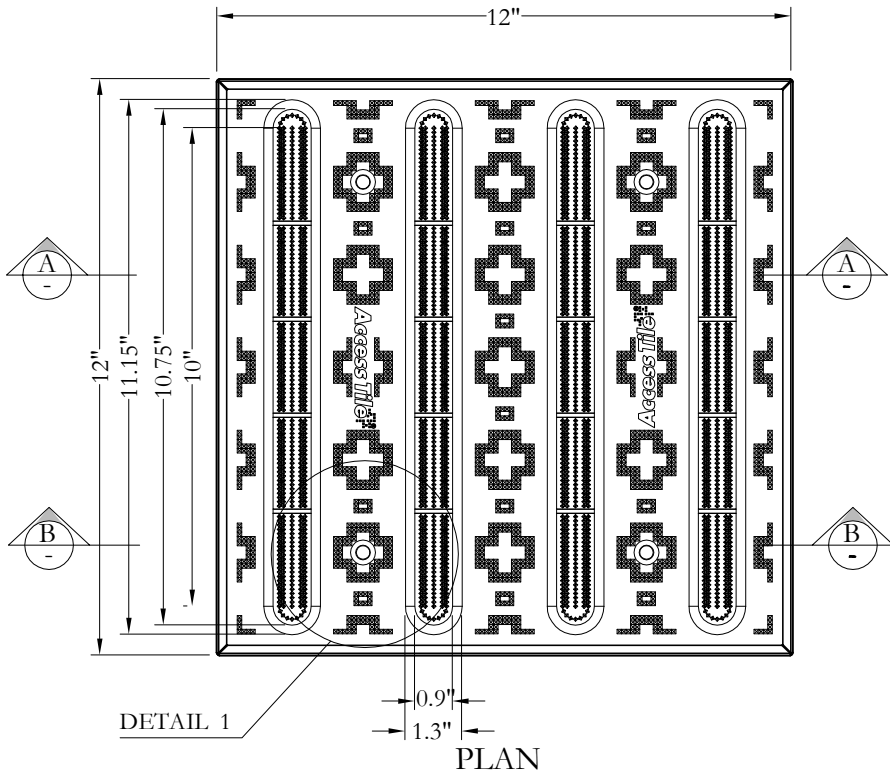
3.4 CLEANING AND PROTECTING

- A. Protect panels against damage during construction period to comply with panel manufacturer's Specifications.
- B. Remove strippable protective film from panel within 24 hours of installation of the panel. Note that hot temperatures and excess exposure to sunlight can cause protective film to permanently adhere to panels surface.
- C. If requested by the Project Manager, clean panels not more than four (4) days prior to date scheduled for inspection intended to establish date of substantial completion in each area of project. Clean panel by method specified by Detectable Warning Surface panel manufacturer.

END OF SECTION

1'X1'

REPLACEABLE CAST IN PLACE 3" BAR SPACING



MATERIAL LIST

ITEM	DESCRIPTION	PART NO.	QTY
1	ACCESS TILE	ACC-DR-1212	1

NOTE: FASTENERS AND 1 TUBE OF TACTILE BOND AND SEAL ARE INCLUDED WITH TIL

REFERENCE DRAWINGS

DWG. NO.	DESCRIPTION

No.	DATE	REVISION	APPR.



SCALE N.T.S.

DESIGNED DATE 10/09/2008

DRAWN 10/15/2008

CHECKED

PROJECT MANAGER

TRADE DETECTABLE WARNING SURFACE PART NO. ACC-S-3X4

MATERIAL POLYMER COMPOSITE

SUBJECT

ACCESS TILE®

TRUNCATED BAR, DETECTABLE
WARNING TACTILE SURFACE

PROJECT

ACCESS TILE®

TRUNCATED BAR, DETECTABLE
WARNING TACTILE SURFACE
1X1 REPLACEABLE
CAST-IN PLACE

DRAWING NO. ACC-DR-1212

REV. NO.

REPLACEABLE CAST IN PLACE

Installation Instructions

The following instructions apply to Access® Tile's Replaceable Cast in Place tiles as well as the Radius Curve and Wayfinding version of these tiles.

1. Maintaining a 4 - 7 slump range, pour and float the concrete.
2. Without removing any concrete, place the tile 6" - 8" from the curb line (face of curb).
3. Tamp the tile in grid pattern across the top face, embedding the tile into the concrete using a non-marring rubber mallet.
4. Place sandbags or 25 lb. weights on the tile to prevent floating and create an edge around the perimeter of the tile using a 3/8" radius edging tool then float the concrete around the tile's perimeter using a steel trowel.
5. Apply a broom-finish to the surrounding concrete.
6. After the concrete has substantially cured, remove the protective plastic wrap by cutting the plastic with a sharp knife tight to the concrete / tile interface.

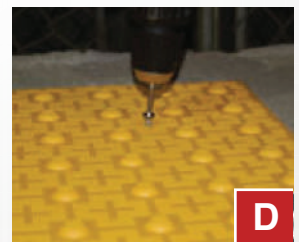
NOTE: If concrete bled under the plastic, a soft wire brush will residue without damaging the tile.



Replacement Instructions

- A. Unscrew T27 tamper-proof fasteners.
- B. Tap the perimeter of the tile with a rubber mallet to remove the bond of the tile to the concrete.
- C. Use a pry bar to pry up an edge. Remove all debris from the vacant cavity mold. Vacuum / sweep all crevices.
- D. Insert replacement tile, gently apply pressure to seat tile in recess. Reinsert tamper-proof fasteners in hex-shaped concrete anchors.

Tiles can be cut to custom sizes, or to make a radius, using a continuous rim diamond blade in a circular saw or mini-grinder. Use of a straightedge to guide the cut is advisable where appropriate.





A SureWerx Brand

Certificate of Compliance

Issued Date: **08/01/2024**

Issued To: **Company**

Project: **Project/Project Reference**

Manufacturer: **SureWerx (Access Tile, a SureWerx Brand)**

Product: **Directional Bar Panels, Federal Yellow**

Description: Fiberglass reinforced polymer composite material

SureWerx certifies that the above identified product is compliant with the following standards and guidelines:

- Architectural Barriers Act (ABA 2015), Chapter 705 Detectable Warnings
- Department of Justice ADA Standards (2010), Chapter 705 Detectable Warnings
- Department of Transportation ADA Standards for Transportation Facilities (2006), Chapter 705 Detectable Warnings
- Pedestrian Right-Of-Way Accessibility Guidelines (PROWAG), Chapter R305 Detectable Warning Surfaces
- California Building Standards Code, Title 24 of the California Code of Regulations (Title 24) Chap 11B-705.1 Detect. Warnings
- International Code Council, 2017 ICC A117.1 Accessible and Usable Bldgs. and Facilities, Sect. 705 Detect. Warning Surfaces

SureWerx certifies that the above identified product meets all the applicable specification requirements for Detectable Warning Surface for [State] Department of Transportation.

The identified product has been tested in accordance with the following test methods (Individual test results are available upon request. Contact SureWerx for additional information):

- | | |
|---|---------------------------------------|
| • ASTM D695 Compressive Strength | • ASTM D 638 Tensile Strength |
| • ASTM C 1028 Standard Test Method for Determining the Static Coefficient of Friction (Slip Resistance) | • ASTM D1037 Freeze/Thaw |
| • ASTM D570 Water Absorption | • ASTM E84 Flame Spread Index |
| • ASTM D790 Flexural Strength | • ASTM C501 Abrasion Resistance |
| • ASTM C1026 Freeze/Thaw/Heat | • ASTM G155 Accelerated Weathering |
| • ASTM-B117 Salt and Spray | • ASTM D543 Chemical Stain Resistance |
| | • AASHTO H20 Load Bearing Test |

Issued by:

John Stieby

Name

Director of End User Sales

Title

00/00/2024

Date



A SureWerx Brand

5 YEAR PRODUCT WARRANTY

Fiberglass Reinforced Polymer Composite Products

SureWerx warrants to the Project Owner that the AccessTile Tactile Walking Surface Indicator products supplied by SureWerx are free from defects in material including deformation, breakage, and delamination for a period of Five (05) years from the date of substantial completion of the project.

EXCLUSIVE REMEDIES: SureWerx, at its cost, will repair or replace defective material promptly reported to SureWerx during the warranty period. This warranty includes labor costs and cost of removal of the product. Repair or replacement will be done on site.

WARRANTY LIMITATIONS: The warranty of AccessTile products does not apply to conditions resulting from improper installation, improper use, external causes, intentional misuse, or abuse, neglected or improper annual maintenance, vandalism, modifications to the AccessTile products or installation procedures with the exception of the Owner's right to immediately eliminate an unsafe condition.

DISCLAIMER OF WARRANTY: The above warranties are the Owner's exclusive warranties. No other warranty, express or implied, shall apply. SureWerx specifically makes no warranty of merchantability and/or fitness for a particular purpose. In no event shall SureWerx be liable for any damages, lost profits, direct, consequential, or economic damages.

Issued Date: 00/00/2024

Effective Date: 00/00/2024

Project: Name/Identifier

Issued to: Contractor Name
Address
City, ST 00000

Owner: Owner Name
Address
City, ST 00000

Manufacturer: **SureWerx (AccessTile, a SureWerx Brand)**
Product: Directional Bar, Brick Red
Description: Fiberglass reinforced polymer composite material

Issued by:

John Stieby

Name

Director of End User Sales

Title

00/00/2024

Date



325 Corporate Drive
Elgin, IL 60123
USA

US Customer Service
Tel: 1-844-697-2920 | Fax: 1-833-652-1547
Email: orders.ci.usa@surewerx.com

www.surewerx.com