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## PRODUCT GUIDE

Wherever you go...  
There we are<sup>®</sup>





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## Detectable Warning Surface products by ADA Solutions meet the following requirements:

- **American Barriers Act (ABA) Accessibility Standards**
- **ADA Accessibility Guidelines (ADAAG)**
- **Department of Transportation ADA Standards for Transportation Facilities (2006)**
- **Department of Justice ADA Standards (2010)**
- **Public Rights-of-Way Accessibility Guidelines (PROWAG)**
- **California Building Standards Code, Title 24, California Code of Regulations**
- **Texas Accessibility Standards (TAS) 2012**
- **AASHTO M 333 Standard Specification for Detectable Warning Surfaces**
- **International Code Council (ICC) A117.1 Accessible and Usable Buildings and Facilities**





# STANDARD COLOR OPTIONS

ADA's lineup of superior quality, heavy-duty fiberglass polymer composite detectable warning surface tiles are UV stable with homogeneous color throughout the entire panel.

## NEW ARRIVALS

**Heritage Brick** (SEE MORE  
ON PG. 7)  
Cast-In-Place Composite Paver Panel



Detectable Warning Surface Products (Domes)
Fiberglass Reinforced Polymer Composite

PRODUCT MATRIX

Cast-In-Place Paver	Item ID	Dome Spacing	Part Wgt (lb)	Pcs/Box	Box Wgt	Pcs/Pallet	Pallet Wgt
2' x 3'	2436PAV	2.40" x 2.35"	17	32	675	96	1,700
2' x 4'	2448PAV	2.40" x 2.40"	22	25	625	75	1,710
2' x 5'	2460PAV	2.40" x 2.40"	30	25	800	75	2,310
3' x 4'	3648PAV	2.40" x 2.40"	34	25	925	50	1,760
3' x 5'*	3660PAV	2.35" x 2.35"	41.5	25	1,125	50	2,135
Heritage Brick Paver	Item ID	Dome Spacing	Part Wgt (lb)	Pcs/Box	Box Wgt	Pcs/Pallet	Pallet Wgt
2' x 2'	2424HB	2.40" x 2.40"	12.25	50	650	150	1,900
2' x 2.5'	2430HB	2.40" x 2.31"	14.75	50	875	150	2,300
Cast-In-Place Replaceable	Item ID	Dome Spacing	Part Wgt (lb)	Pcs/Box	Box Wgt	Pcs/Pallet	Pallet Wgt
1' x 1'	1212REP	2.40" x 2.40"	2.25	-	-	-	-
2' x 2'	2424REP	2.40" x 2.40"	11	44	550	132	1,520
2' x 3'	2436REP	2.40" x 2.28"	16	32	550	96	1,600
2' x 4'	2448REP	2.40" x 2.40"	19.5	25	550	75	1,525
2' x 5'	2460REP	2.40" x 2.40"	24.5	25	700	75	2,000
3' x 4'	3648REP	2.40" x 2.40"	30	15	575	28	900
3' x 5'	3660REP	2.40" x 2.40"	42	15	725	28	1,300
Radius 2' x 2.7'	24RADREP	2.40" x Radial	12.5	32	475	96	1,260
Surface Applied / Retrofit	Item ID	Dome Spacing	Part Wgt (lb)	Pcs/Box	Box Wgt	Pcs/Pallet	Pallet Wgt
1' x 1' Short Edge	1212RET	2.40" x 2.40"	2	-	-	-	-
2' x 2' Short Edge	2424RET	2.40" x 2.40"	8.5	160	1,500	160	1,500
2' x 3'	2436RET	2.40" x 2.28"	11.5	112	1,350	112	1,350
2' x 4'	2448RET	2.40" x 2.28"	15	80	1,350	80	1,350
2' x 5'	2460RET	2.40" x 2.28"	19	80	1,675	80	1,675
3' x 4'	3648RET	2.40" x 2.40"	25	50	1,325	50	1,325
3' x 5'	3660RET	2.40" x 2.40"	30.5	50	1,700	50	1,700
Radius 2' x 2.7'	24RADRET	2.40" x Radial	9.5	112	1,150	112	1,150

Cast Iron

Cast-In-Place	Item ID	Dome Spacing	Part Wgt (lb)	Pcs/Box	Box Wgt	Pcs/Pallet	Pallet Wgt
24" x 12"	1224ID	2.40" x 2.40"	20.5	-	-	100	2,075
24" x 24"	2424ID	2.40" x 2.40"	39	-	-	50	2,000
24" x 30"	2430ID	2.40" x 2.40"	44	-	-	50	2,325
Wedge R15	15IDW	2.40" x Radial	5.5	-	-	325	-
Wedge R20	20IDW	2.40" x Radial	5.5	-	-	325	-
Wedge R25	25IDW	2.40" x Radial	6	-	-	325	-
Wedge R30	30IDW	2.40" x Radial	6.5	-	-	325	-

Directional Bar Tile

Fiberglass Reinforced Polymer Composite

Cast-In-Place Replaceable	Item ID	Bar Spacing	Part Wgt (lb)	Pcs/Box	Box Wgt	Pcs/Pallet	Pallet Wgt
6" x 48"	BARTILEREP0648	3.0"	4.5	-	-	-	-
1' x 1'	BARTILE1212REP	3.0"	2	-	-	-	-
2' x 2'	BARTILEREP2424	3.0"	8	-	-	-	-
Surface-Applied / Retrofit	Item ID	Bar Spacing	Part Wgt (lb)	Parts/Box	Box Wgt	Pcs/Pallet	Pallet Wgt
6" x 48"	BARTILEREP0648	3.0"	4.5	-	-	-	-
1' x 1' Short Edge	BARTILE1212RET	3.0"	2	-	-	-	-
2' x 2' Short Edge	BARTILEREP2424	3.0"	8	-	-	-	-





Heritage Brick Cast-In-Place Paver  
Color: Stonescape Redstone



# CAST-IN-PLACE PAVER

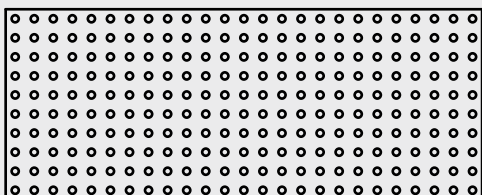
**Cast-In-Place Paver Detectable Warning Surface Panels** provide an extremely durable, long-term installation of ADA-compliant truncated domes. The “wet-set” application involves pressing the panel down into the fresh concrete. Once the concrete is fully cured, the panel becomes permanently embedded. The panels feature an in-line dome pattern with ADA-compliant dome geometry. A dome spacing of 2.4” provides maximum allowable spacing for improved detection by cane and under foot as well as providing ease for wheelchairs to traverse.

CIP Paver panels are manufactured using a matte finish exterior-grade composite material with fiberglass reinforcement. The polymer includes UV inhibitors and provides uniform color throughout the product thickness. The CIP paver panels can be easily cut to size to meet specific project conditions using a standard carbide blade saw.

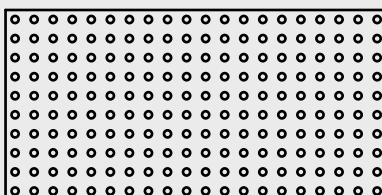


## PANEL SIZES

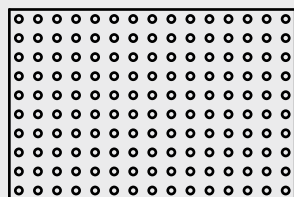
### 24" x 60"



### 24" x 48"



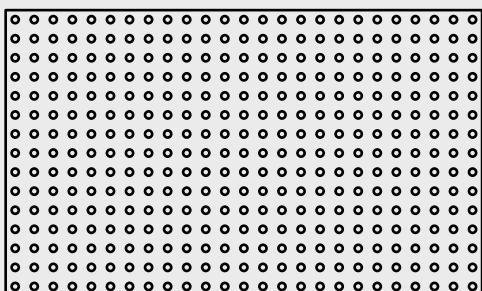
### 24" x 36"



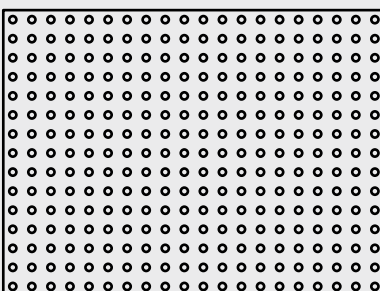
24" width meets minimum ADA requirements

36" width meets minimum California Building Code requirements

### 36" x 60"



### 36" x 48"

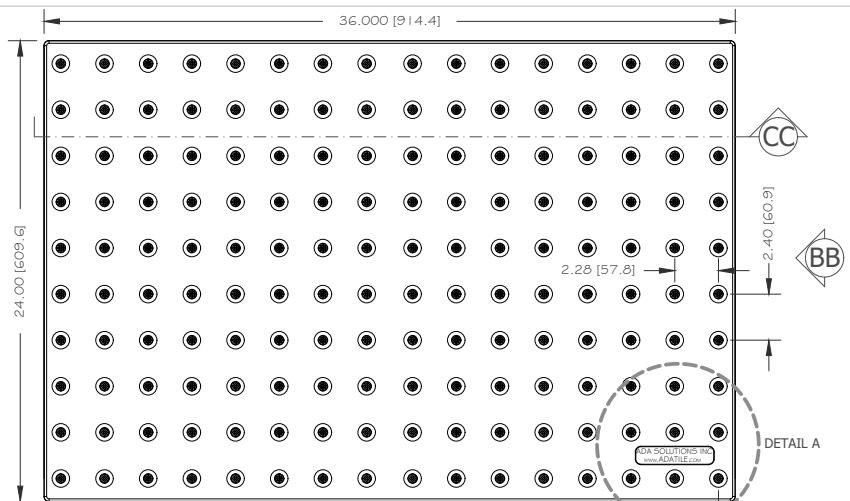


Panel is aligned with bottom edge of curb ramp. Rotate panel down into the wet concrete.

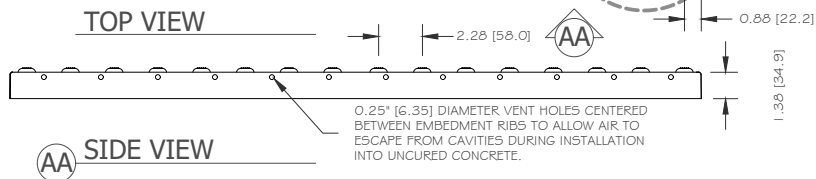


Press panel into wet concrete until top surface is even with surrounding concrete. A rubber mallet and scrap lumber can be used to set panel to proper depth and remove any air pockets under the panel.

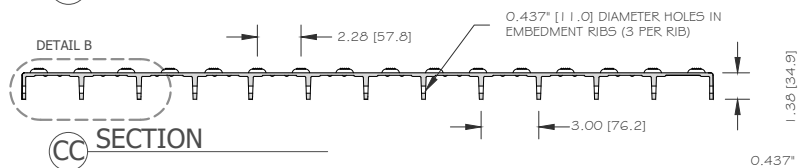




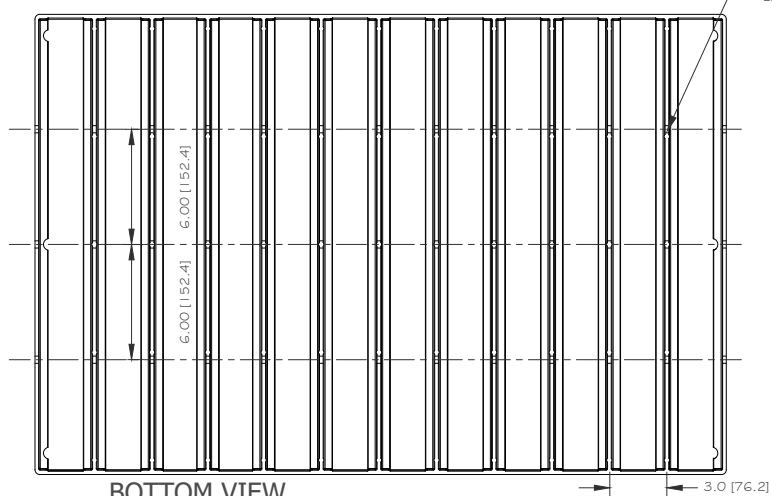
TOP VIEW



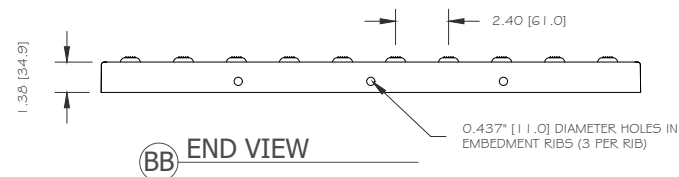
AA SIDE VIEW



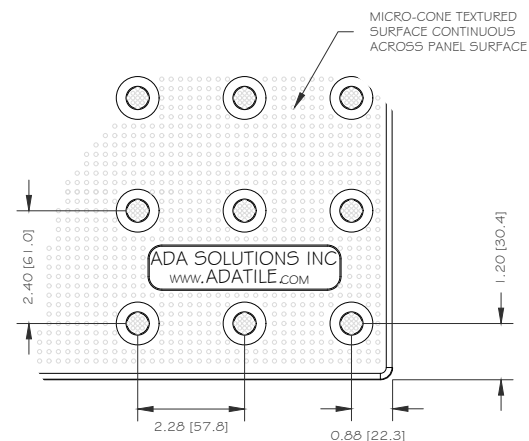
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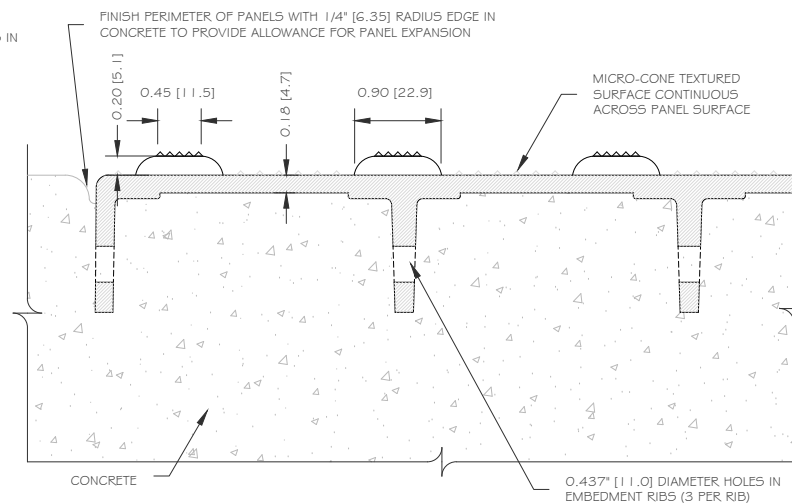
BOTTOM VIEW



BB END VIEW



A DETAIL



B DETAIL - INSTALLED IN CONCRETE

DETECTABLE WARNING SURFACE PANEL

## Cast-In-Place Paver Panel 24" x 36"

PART SIZE: 24.0" (609.6 MM) X 36.0" (914.4 MM)

2.28" (57.91) X 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION

TACTILE WALKING SURFACE INDICATORS

MATERIAL

FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER

ADA-PAVER-2436 Page 1 of 2

DATE

2023-08-07

DRAWING UNITS

INCHES [MM]

WEBSITE

ADATILE.COM

PHONE

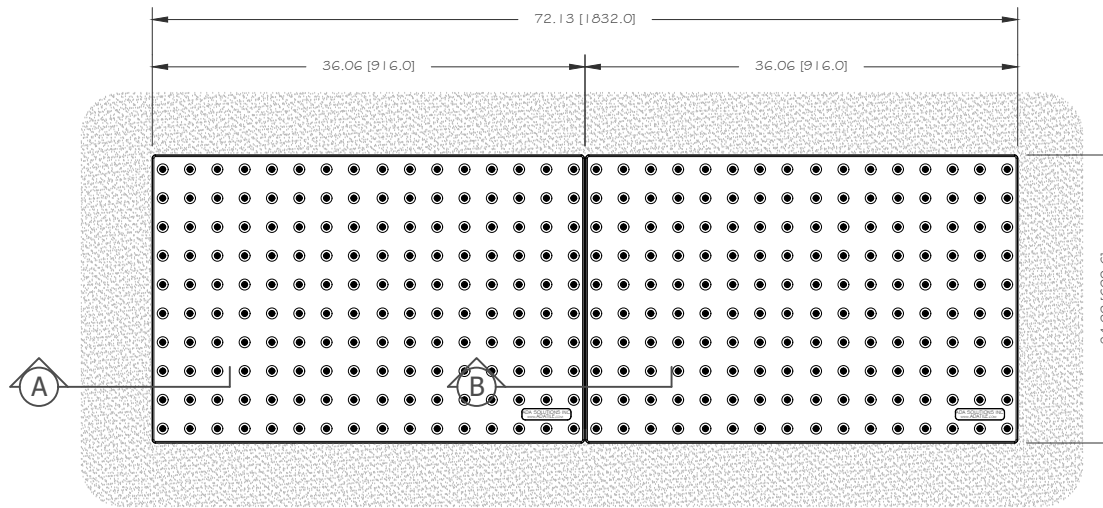
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EMAIL

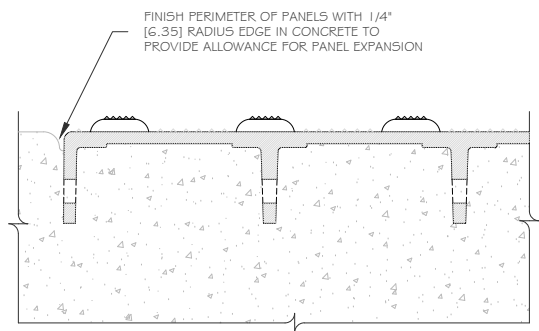
INFO@ADATILE.COM



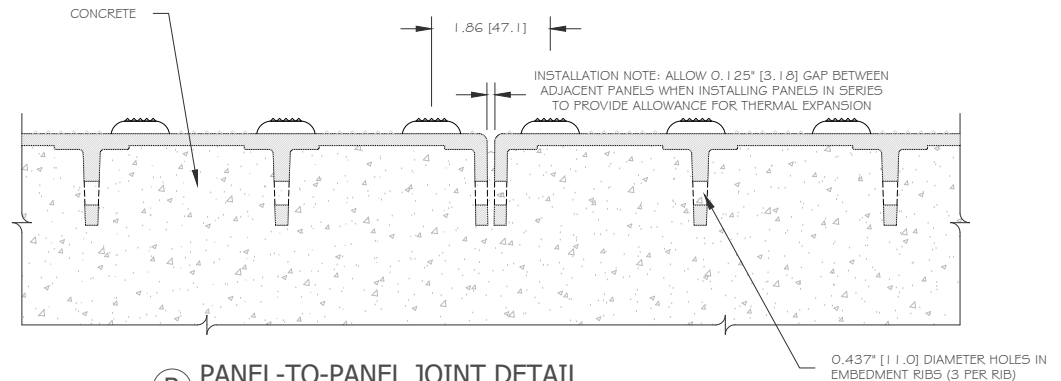




TOP VIEW - MULTIPLE PANEL INSTALLATION



A PERIMETER EMBEDMENT DETAIL



B PANEL-TO-PANEL JOINT DETAIL

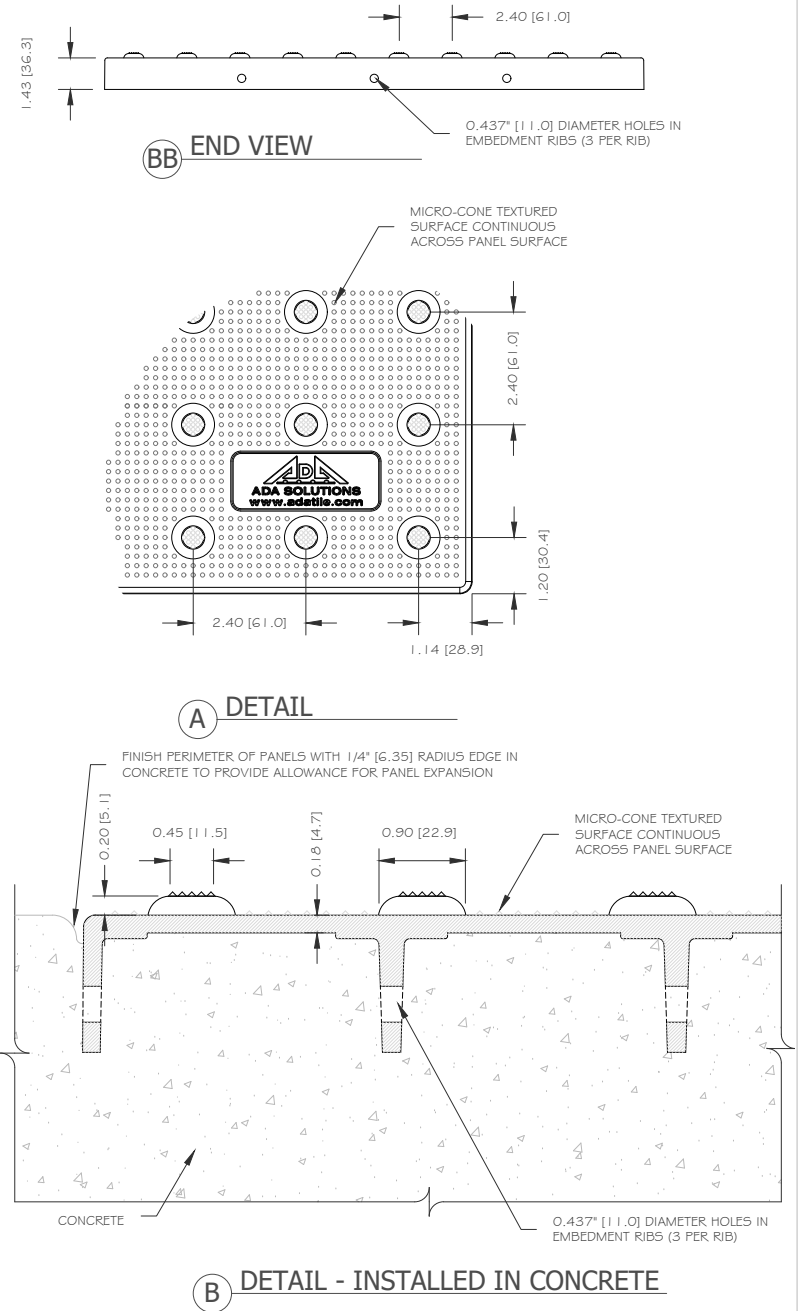
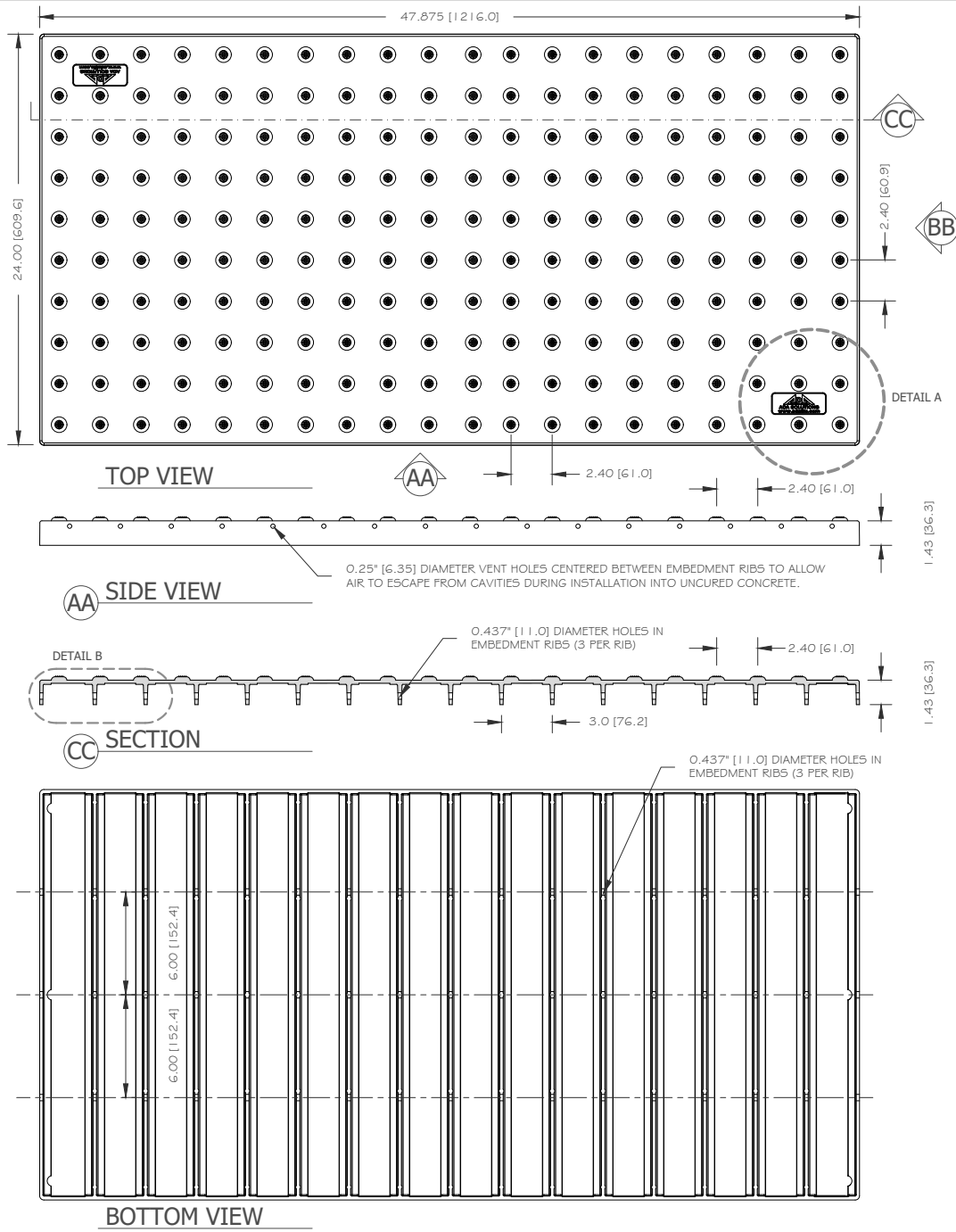
DETECTABLE WARNING SURFACE PANEL  
**Cast-In-Place Paver Panel 24" x 36"**  
 PART SIZE: 24.0" (609.6 MM) X 36.0" (914.4 MM)  
 2.28" (57.91) x 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-PAVER-2436 Page 2 of 2  
 DATE  
 2023-08-07  
 DRAWING UNITS  
 INCHES [MM]

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DETECTABLE WARNING SURFACE PANEL

## Cast-In-Place Paver Panel 24" x 48"

PART SIZE: 24" (609.6 MM) X 47.875" (1,216.0 MM)

2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION

TACTILE WALKING SURFACE INDICATORS

MATERIAL

FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER

ADA-PAVER-2448 Page 1 of 2

DATE

2023-08-10

DRAWING UNITS

INCHES [MM]

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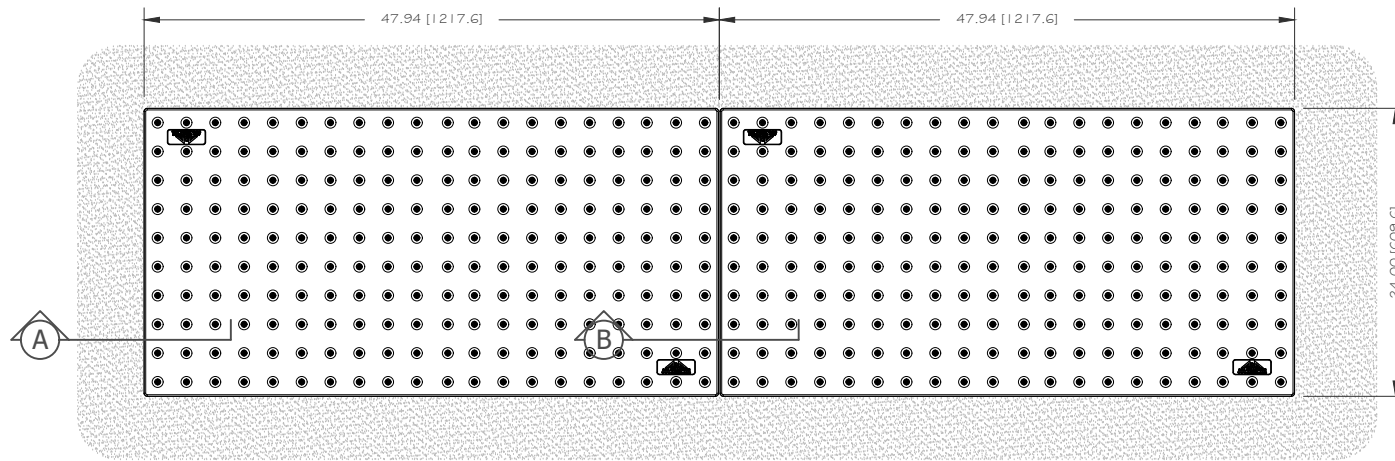
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EMAIL

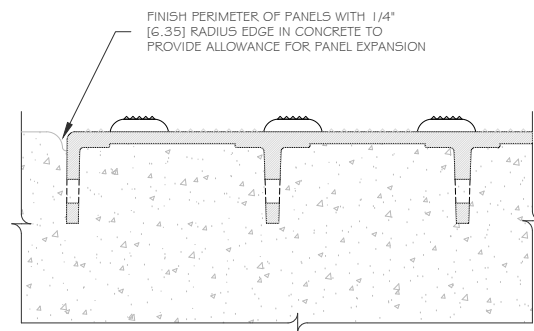
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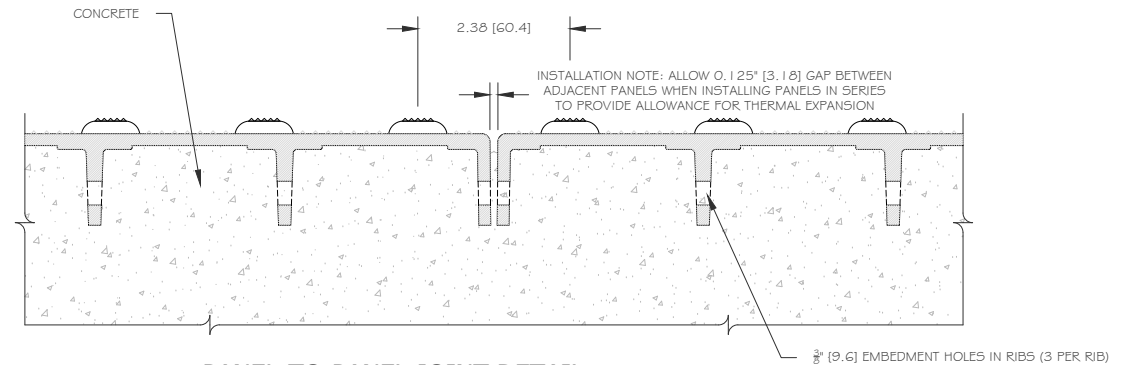




**TOP VIEW - MULTIPLE PANEL INSTALLATION**



**A PERIMETER EMBEDMENT DETAIL**



**B PANEL-TO-PANEL JOINT DETAIL**

DETECTABLE WARNING SURFACE PANEL  
**Cast-In-Place Paver Panel 24" x 48"**  
 PART SIZE: 24" (609.6 MM) X 47.875" (1,216.0 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION  
 TACTILE WALKING SURFACE INDICATORS

MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER  
 ADA-PAVER-2448 Page 2 of 2

DATE  
 2023-08-10

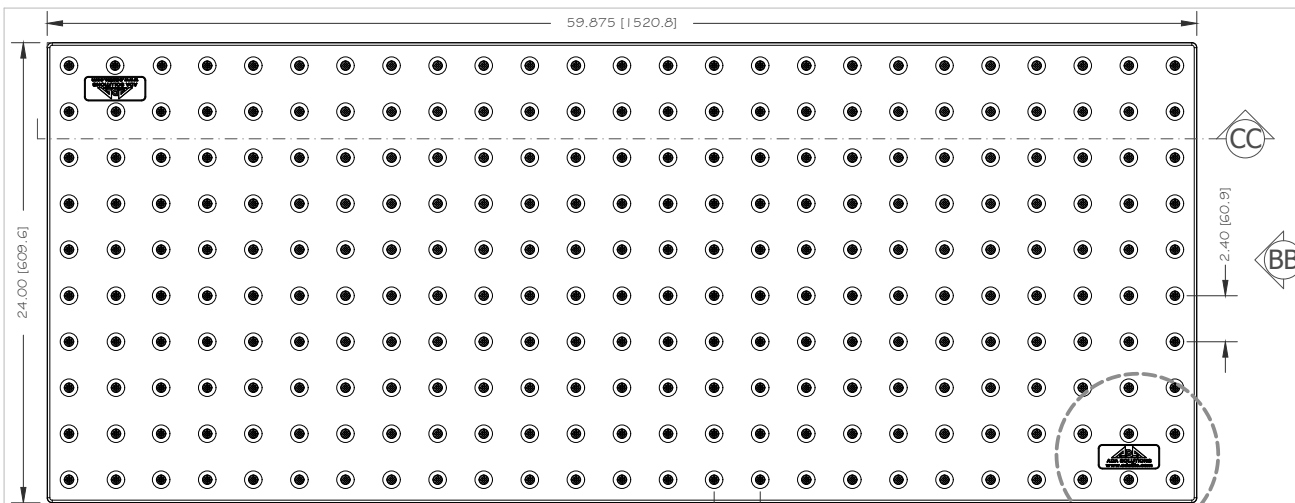
DRAWING UNITS  
 INCHES [MM]

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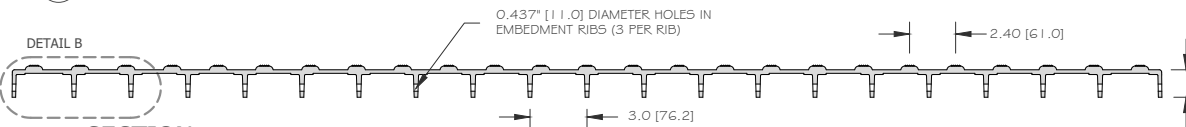
TOP VIEW

AA SIDE VIEW

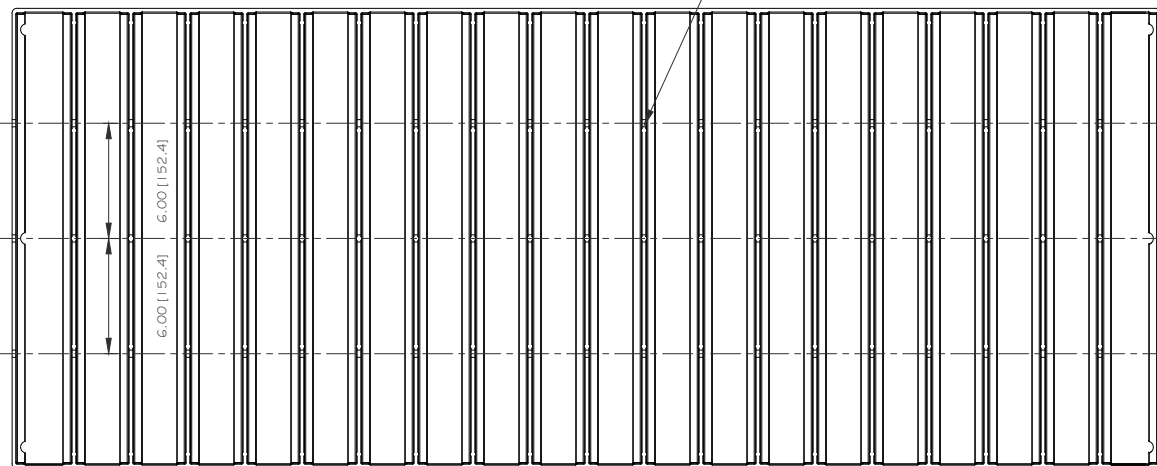
0.25" [6.35] DIAMETER VENT HOLES CENTERED BETWEEN EMBEDMENT RIBS TO ALLOW AIR TO ESCAPE FROM CAVITIES DURING INSTALLATION INTO UNCURED CONCRETE.

DETAIL B

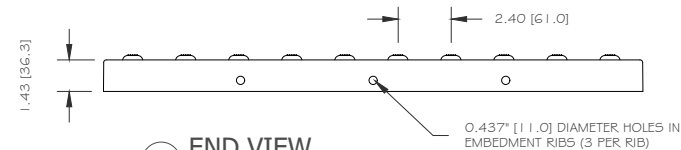
CC SECTION



0.437" [11.0] DIAMETER HOLES IN EMBEDMENT RIBS (3 PER RIB)

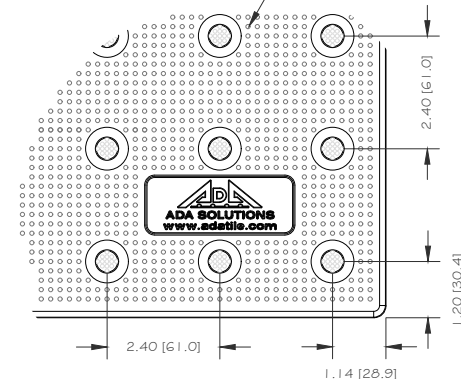


BOTTOM VIEW



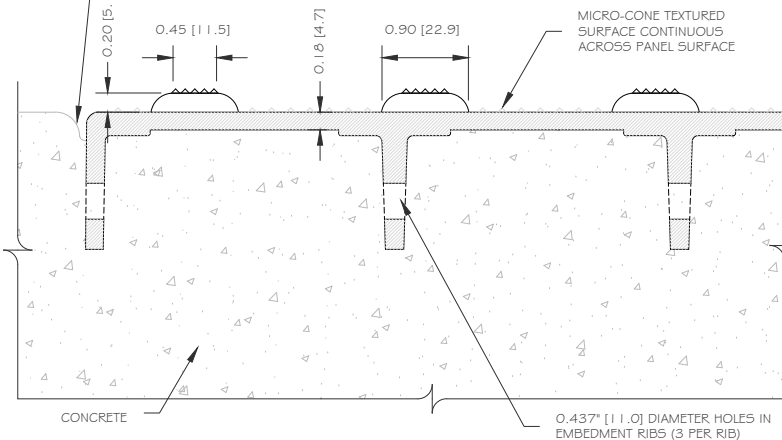
BB END VIEW

MICRO-CONE TEXTURED SURFACE CONTINUOUS ACROSS PANEL SURFACE



A DETAIL

FINISH PERIMETER OF PANELS WITH 1/4" [6.35] RADIUS EDGE IN CONCRETE TO PROVIDE ALLOWANCE FOR PANEL EXPANSION



B DETAIL - INSTALLED IN CONCRETE

DETECTABLE WARNING SURFACE PANEL

## Cast-In-Place Paver Panel 24" x 60"

PART SIZE: 24" (609.6 MM) X 59.875" (1,520.8 MM)  
2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION

TACTILE WALKING SURFACE INDICATORS

MATERIAL

FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER

ADA-PAVER-2460 Page 1 of 2

DATE

2023-08-06

DRAWING UNITS

INCHES [MM]

WEBSITE

ADATILE.COM

PHONE

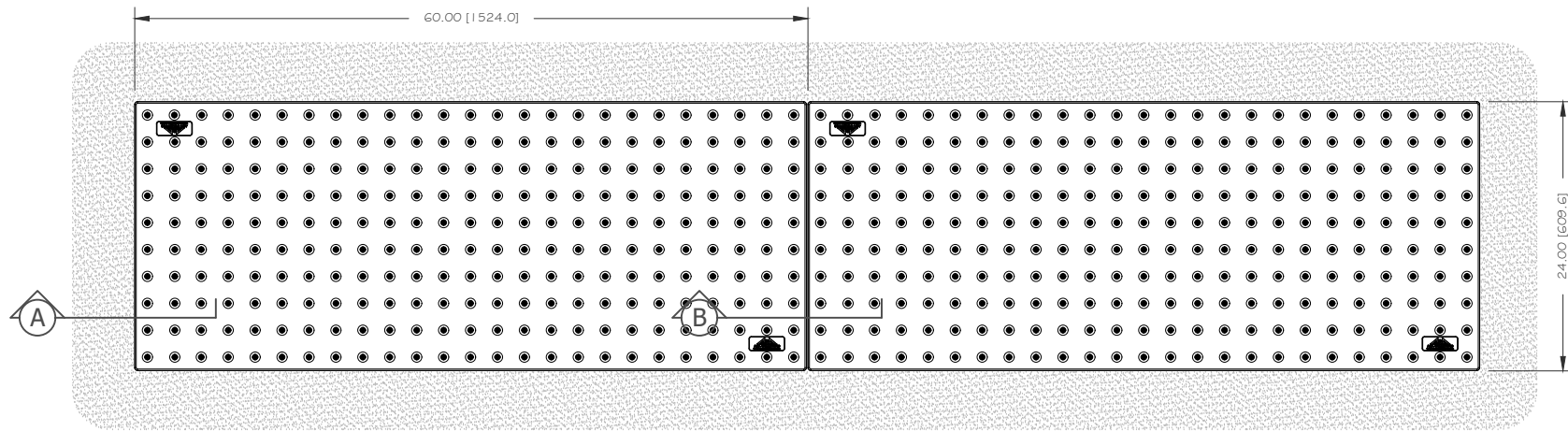
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EMAIL

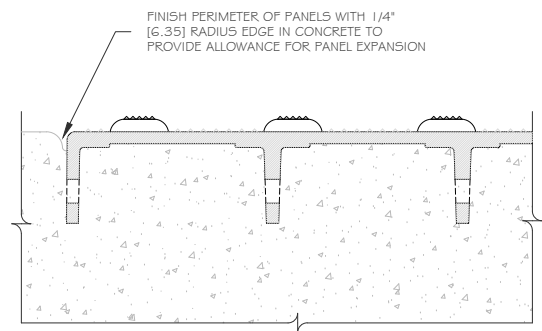
INFO@ADATILE.COM



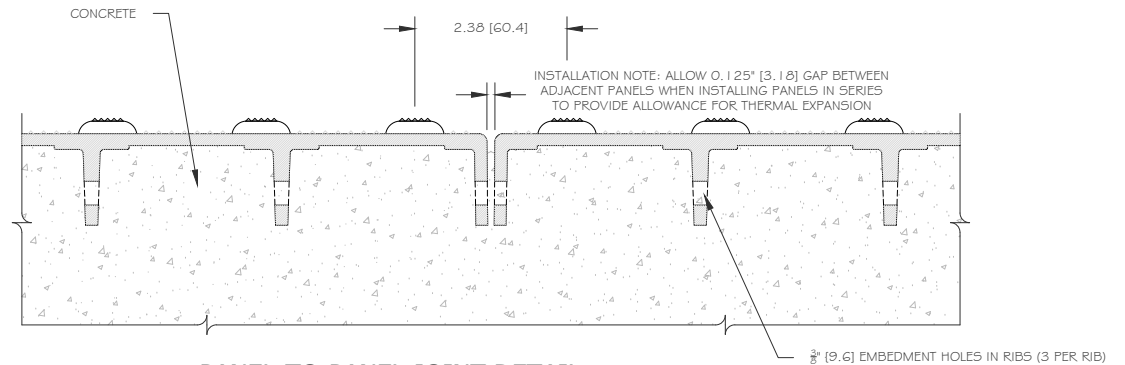




TOP VIEW - MULTIPLE PANEL INSTALLATION



A PERIMETER EMBEDMENT DETAIL



B PANEL-TO-PANEL JOINT DETAIL

DETECTABLE WARNING SURFACE PANEL  
**Cast-In-Place Paver Panel 24" x 60"**  
 PART SIZE: 24" (609.6 MM) X 59.875" (1,520.8 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION  
 TACTILE WALKING SURFACE INDICATORS

MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER  
 ADA-PAVER-2460 Page 2 of 2

DATE  
 2023-08-06

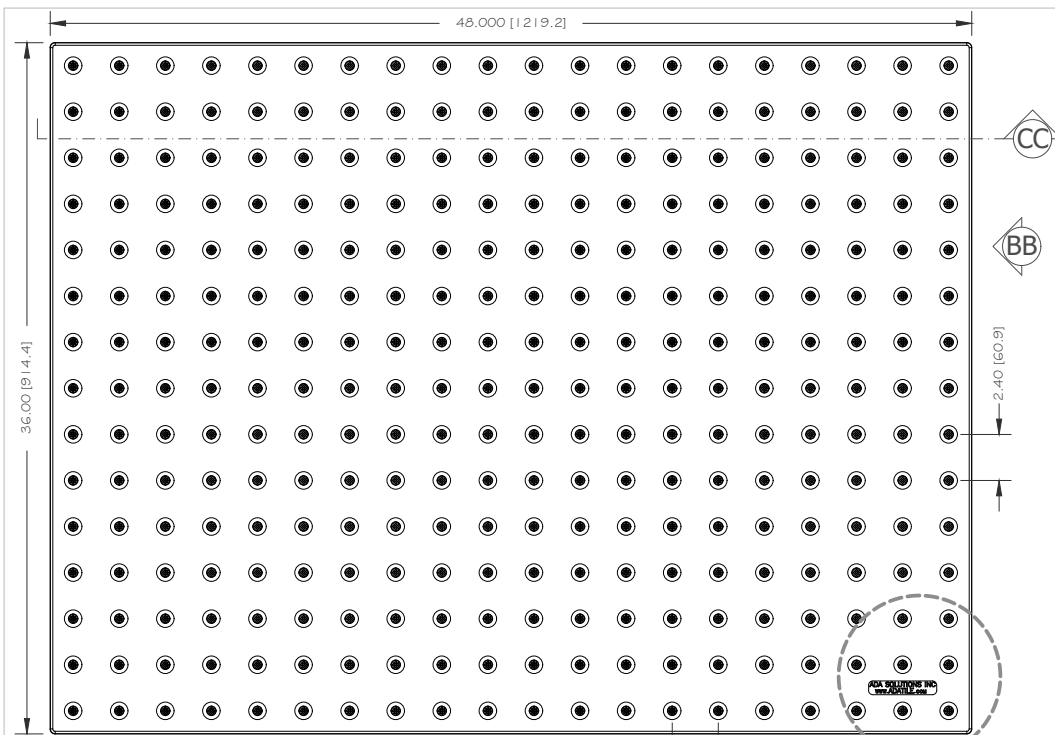
DRAWING UNITS  
 INCHES [MM]

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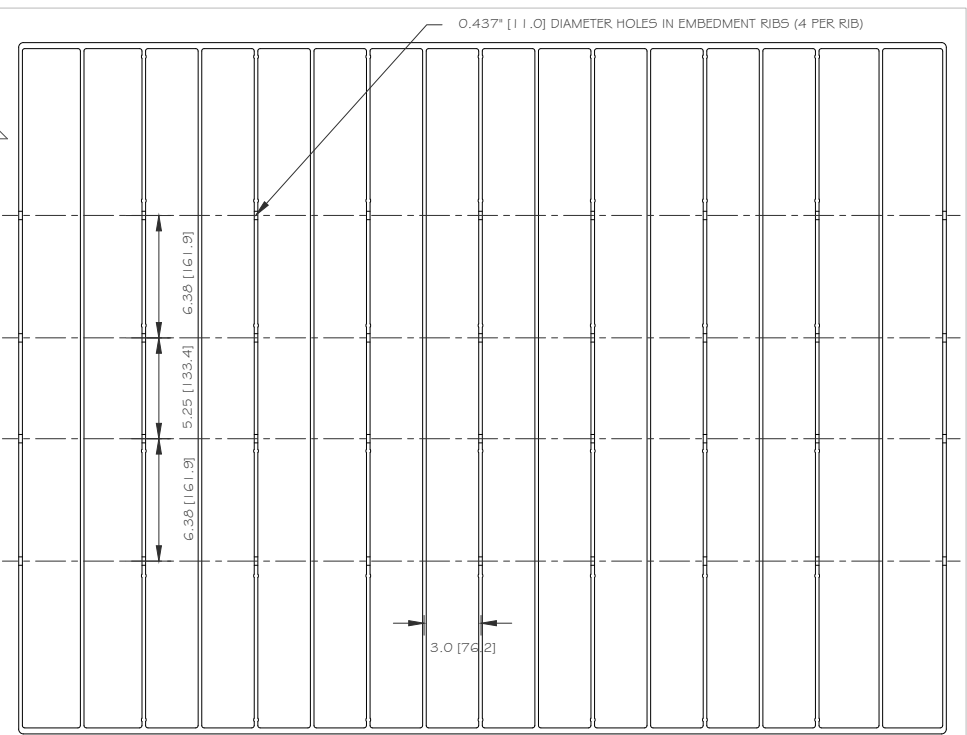
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 1-800-372-0519

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 INFO@ADATILE.COM

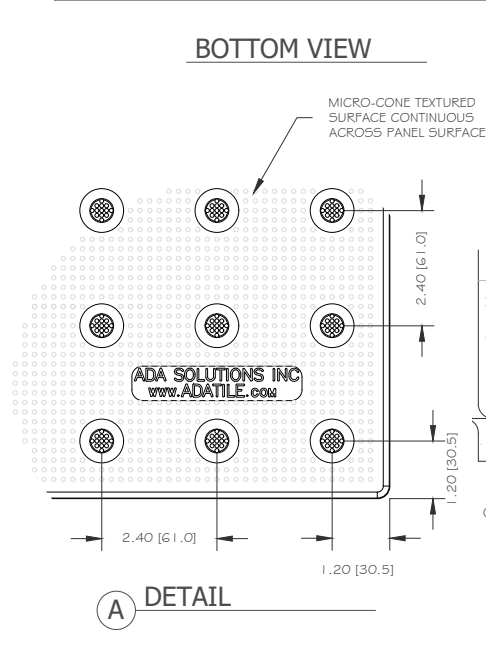
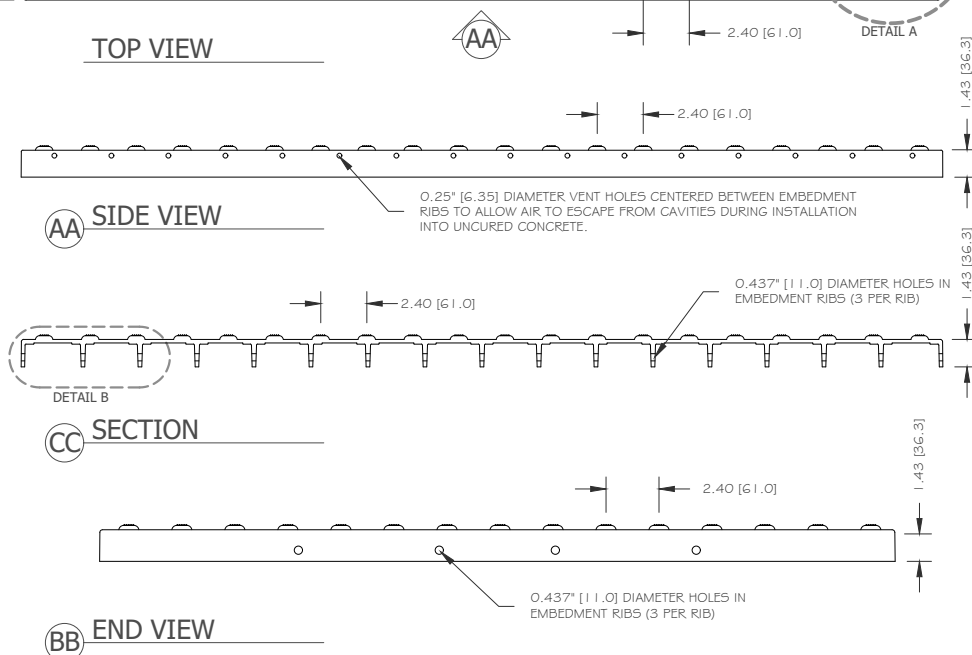




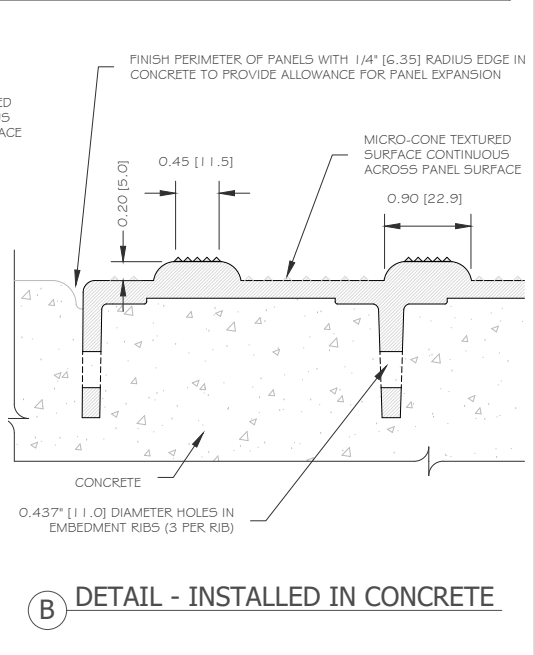
TOP VIEW



BOTTOM VIEW



DETAIL



DETAIL - INSTALLED IN CONCRETE

DETECTABLE WARNING SURFACE PANEL  
**Cast-In-Place Paver Panel 36" x 48"**  
 PART SIZE: 36" (914.4 MM) X 48" (1,219.2 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

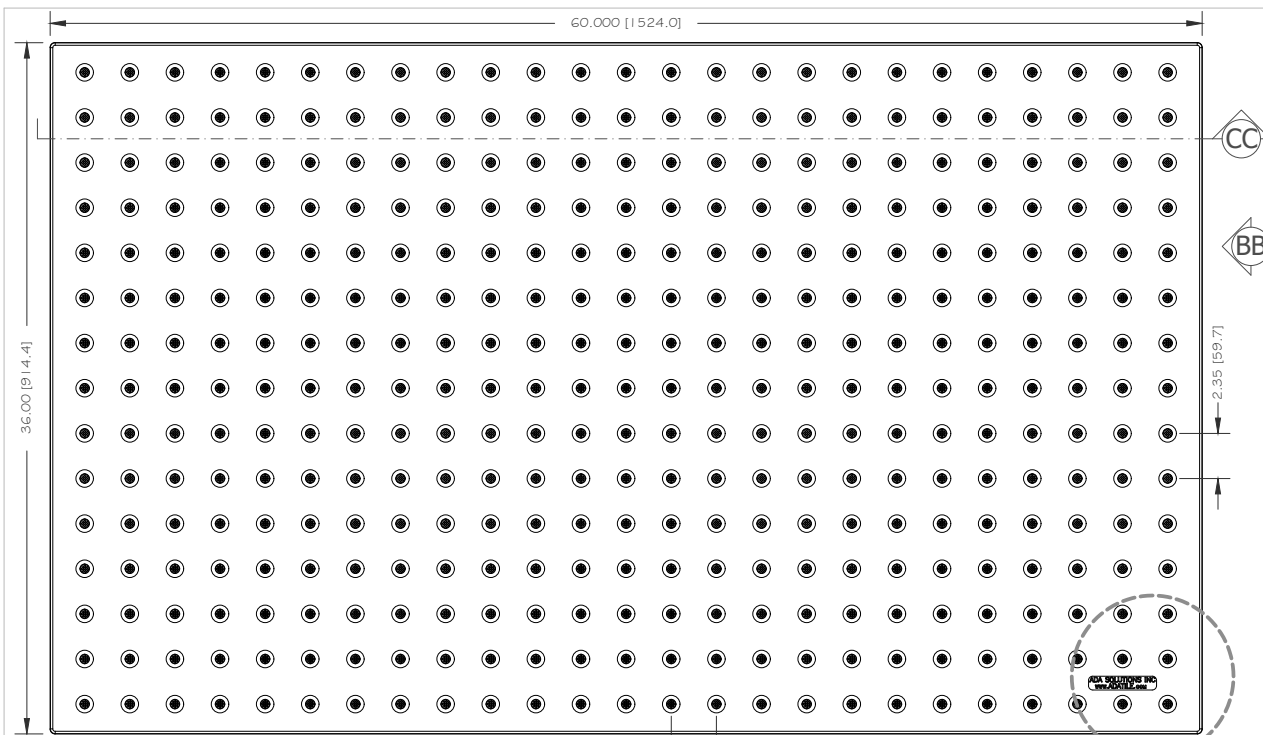
DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-PAVER-3648

DATE  
 2023-08-11  
 DRAWING UNITS  
 INCHES [MM]

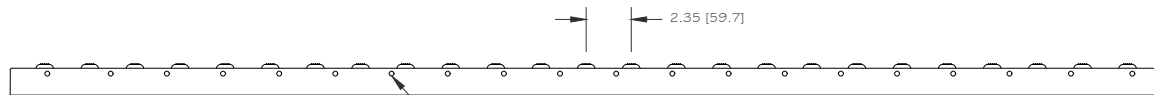
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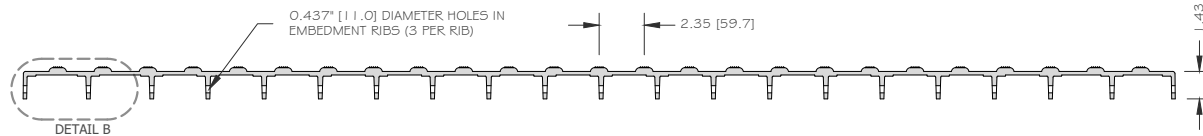




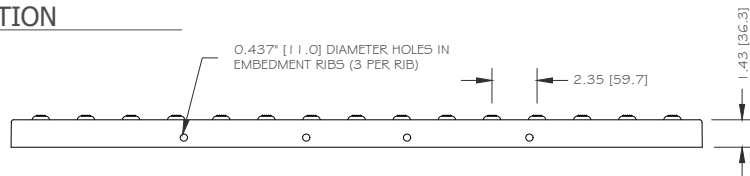
TOP VIEW



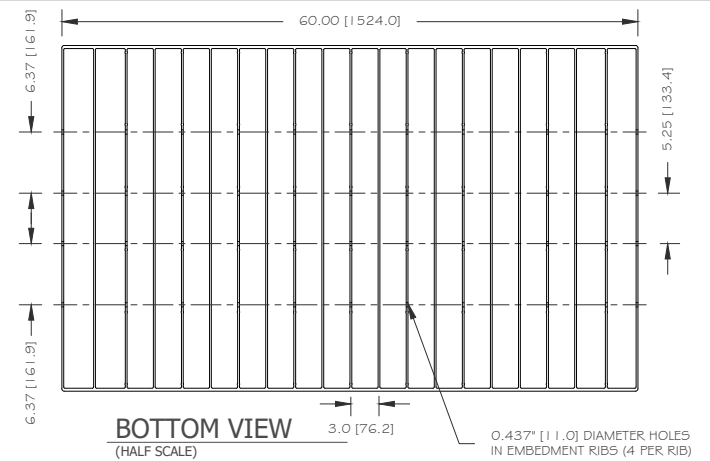
AA SIDE VIEW



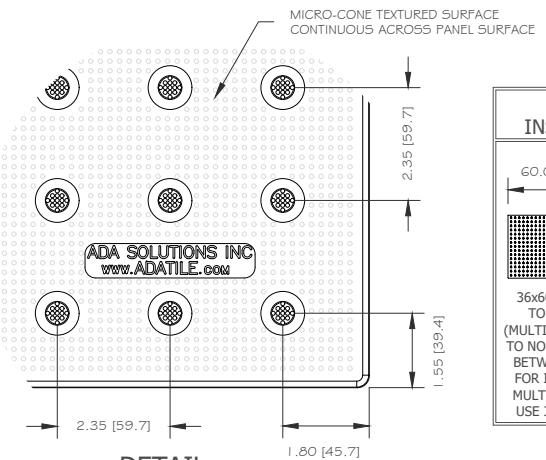
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BB END VIEW



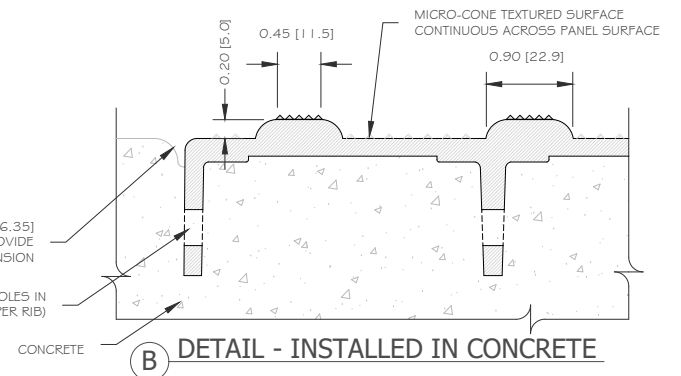
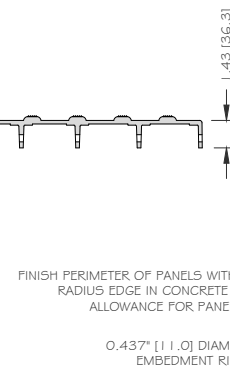
BOTTOM VIEW  
(HALF SCALE)



A DETAIL

**IMPORTANT  
INSTALLATION NOTE**

36x60 CIP PAVERS SHOULD NOT  
TO BE INSTALLED IN SERIES  
(MULTIPLE ADJOINING PANELS) DUE  
TO NONCOMPLIANT DOME SPACING  
BETWEEN CONSECUTIVE PANELS.  
FOR INSTALLATIONS REQUIRING  
MULTIPLE CONSECUTIVE PANELS,  
USE 36x48 CIP PAVER PRODUCT.



B DETAIL - INSTALLED IN CONCRETE

DETECTABLE WARNING SURFACE PANEL  
**Cast-In-Place Paver Panel 36" x 60"**  
 PART SIZE: 36" (914.4 MM) X 60" (1,524 MM)  
 2.35" (59.69 MM) X 2.35" (59.69 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION  
TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
ADA-PAVER-3660

DATE  
2023-08-17  
 DRAWING UNITS  
INCHES [MM]

WEBSITE  
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# CAST-IN-PLACE REPLACEABLE

**Cast-In-Place Replaceable Detectable Warning Surface Panels** are designed to allow for removal and replacement of panels cast into the cured concrete. Fully ADA-compliant, CIP Replaceable panels are manufactured with high-grade homogeneous glass and carbon-reinforced polyester-based composite material.

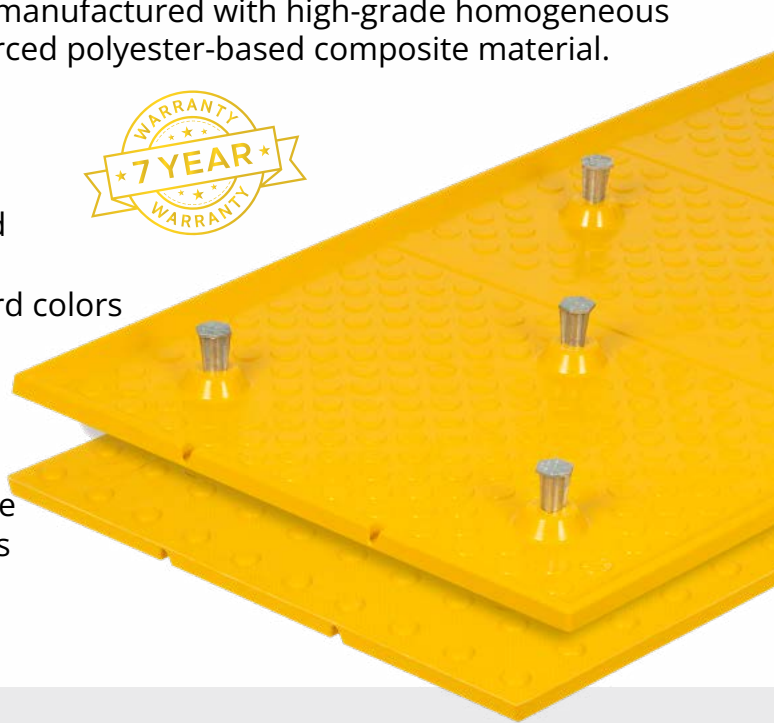
- Wet-set installation with ability to be removed and replaced



- Available in all standard colors

- Wide selection of panel sizes

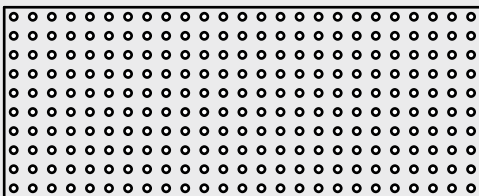
- Radius panels available for curved installations



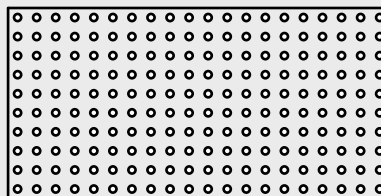
Replaceable panels can be removed by gaining access to anchor bolt. Simply remove matching color cover caps and bolts. Original panel can be removed from cured concrete bed and replaced with new panel.

## PANEL SIZES

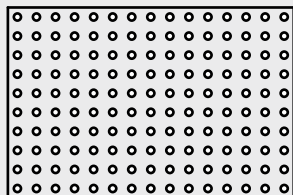
### 24" x 60"



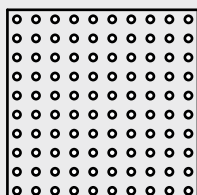
### 24" x 48"



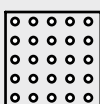
### 24" x 36"



### 24" x 24"



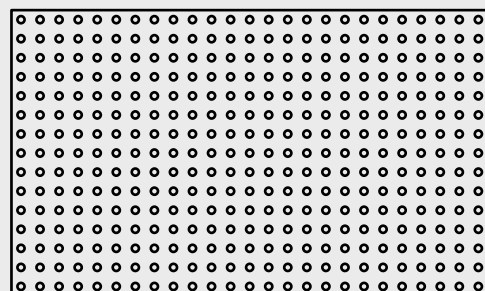
### 12" x 12"



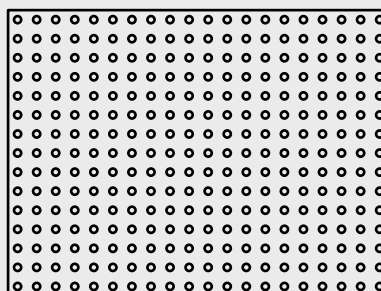
24" width meets minimum ADA requirements

36" width meets minimum California Building Code requirements

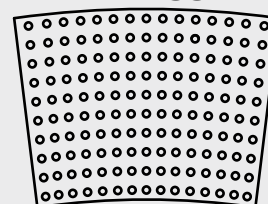
### 36" x 60"



### 36" x 48"



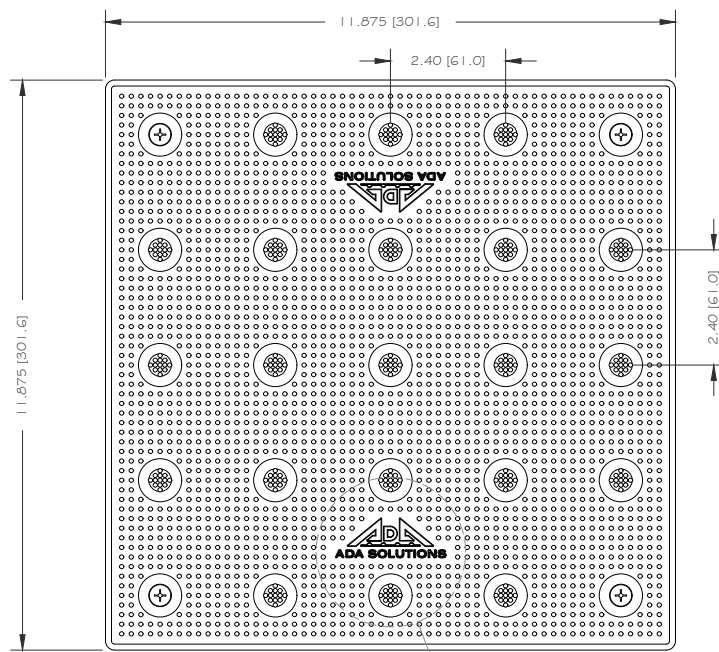
### 24" x 33"



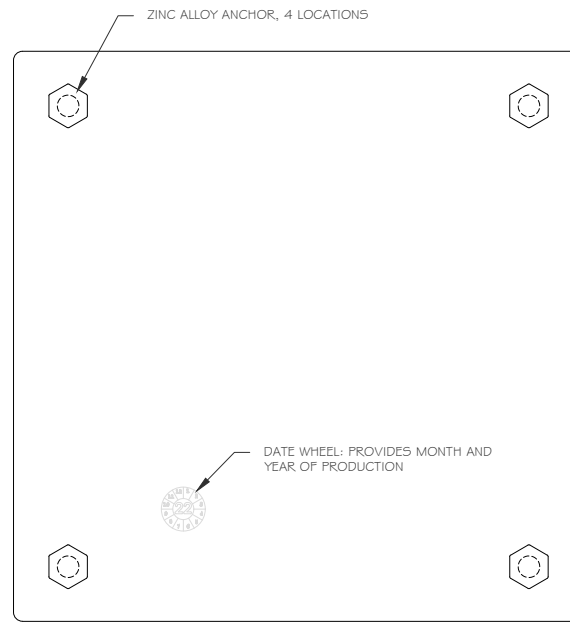
Radius

Radius Replaceable panels are the best option for rounded corner curb ramp (blended transitions) and can be field mitered to fit between 8' and 20' radius.

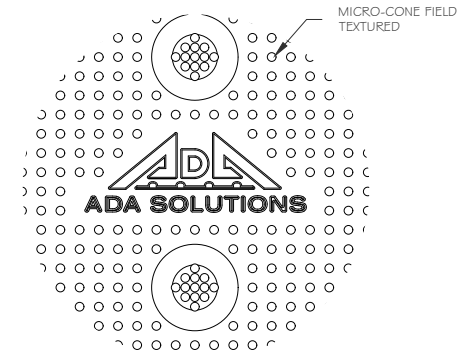




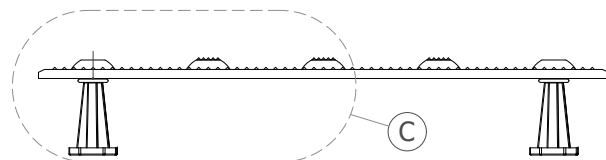
TOP VIEW



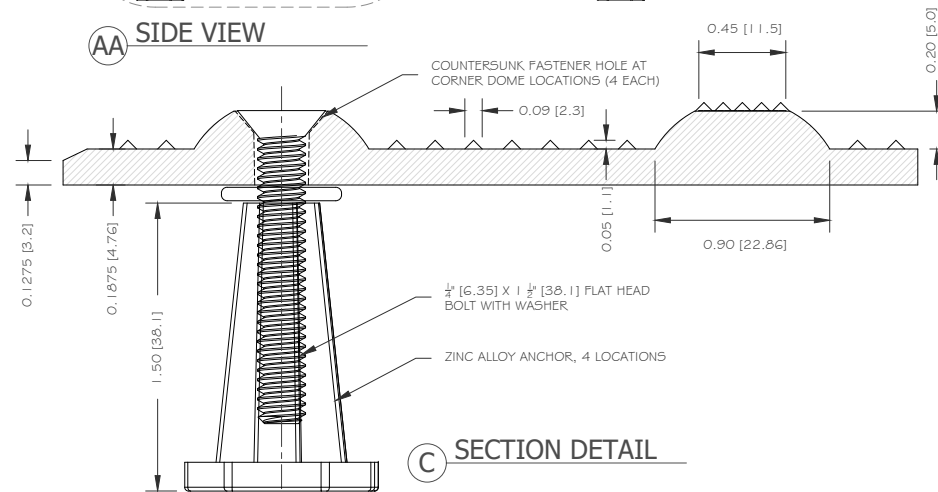
BOTTOM VIEW



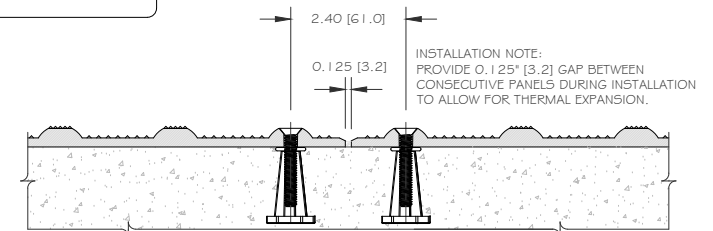
A LOGO DETAIL



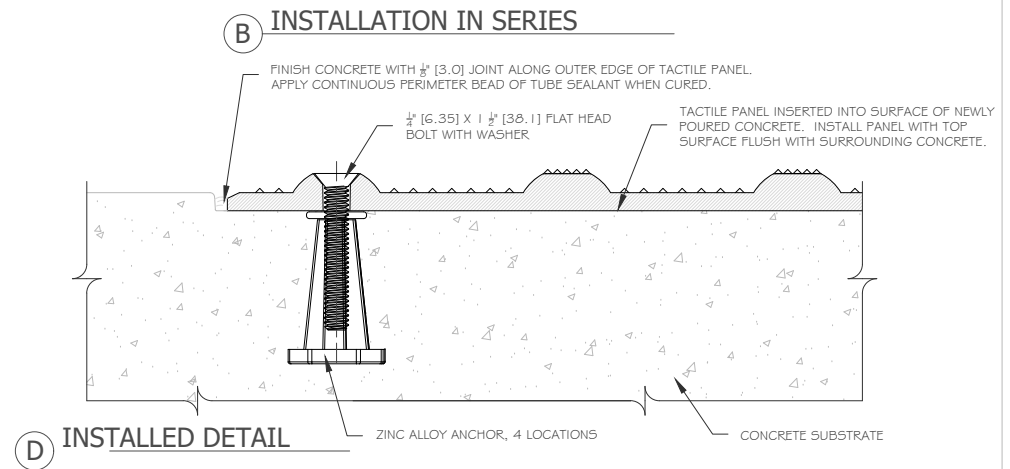
AA SIDE VIEW



C SECTION DETAIL



B INSTALLATION IN SERIES



D INSTALLED DETAIL

DETECTABLE WARNING SURFACE PANEL  
**12" x 12" Cast-In-Place DWS Tile**  
 PART SIZE: 11.875" (301.62 MM) X 11.875" (301.62 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-DWS1212 Cast In Place

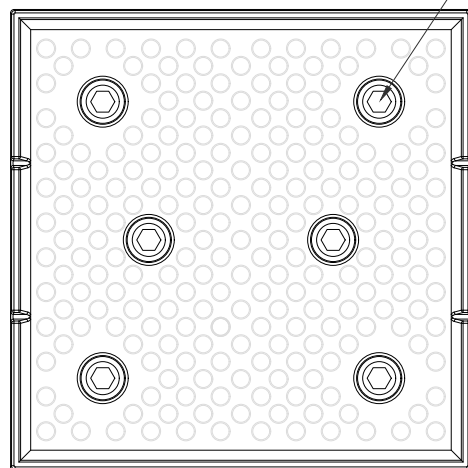
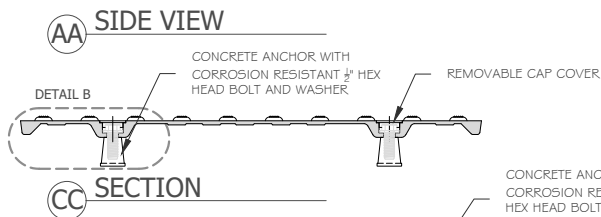
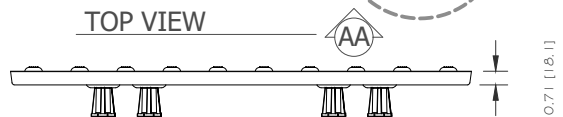
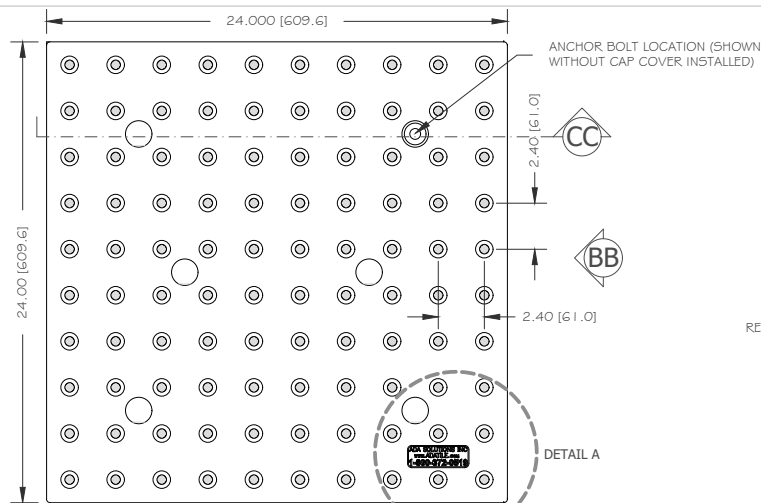
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DRAWING UNITS  
 INCHES [MM]

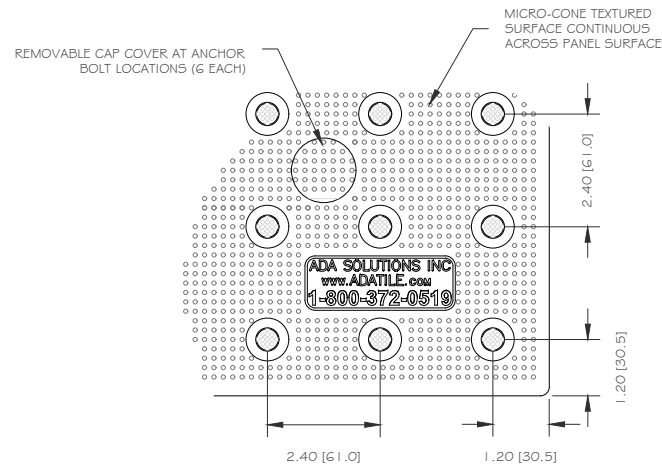
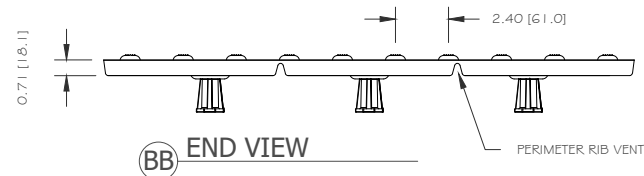
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 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM



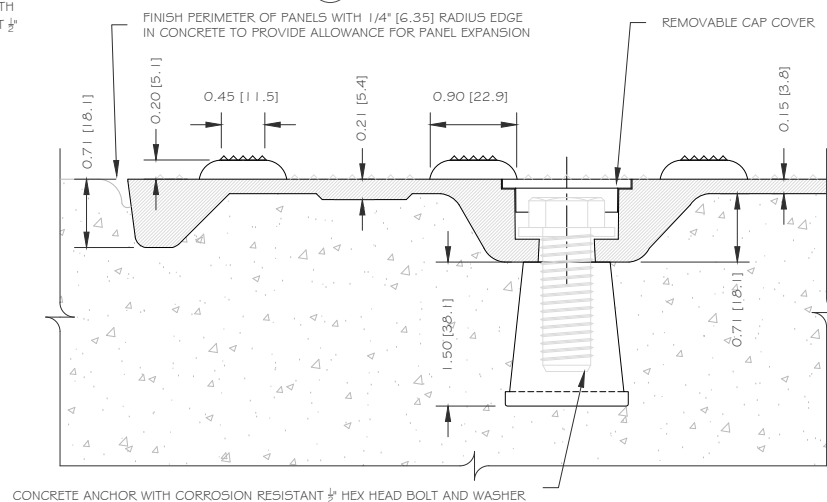




**BOTTOM VIEW**



**A DETAIL**



**B DETAIL - INSTALLED IN CONCRETE**

DETECTABLE WARNING SURFACE PANEL  
**Cast-In-Place Replaceable 24" x 24"**  
 PART SIZE: 24" (609.6 MM) X 24" (609.6 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

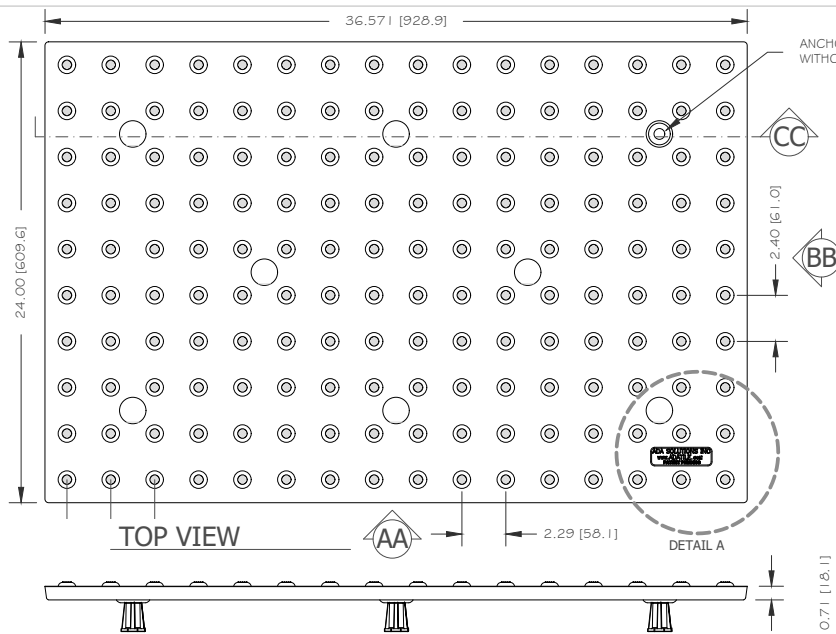
DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-REP2-2424

DATE  
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DRAWING UNITS  
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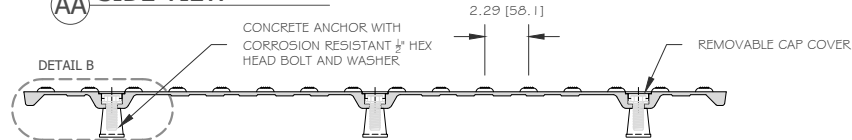
WEBSITE  
 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM



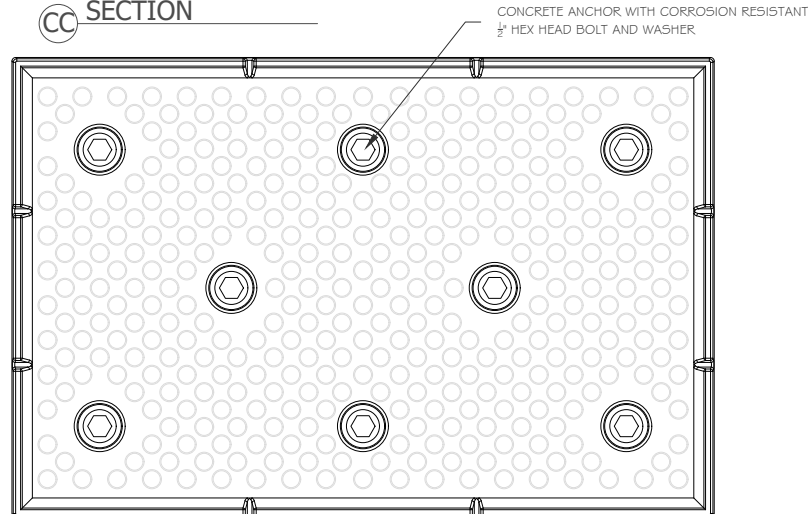


TOP VIEW

AA SIDE VIEW



CC SECTION



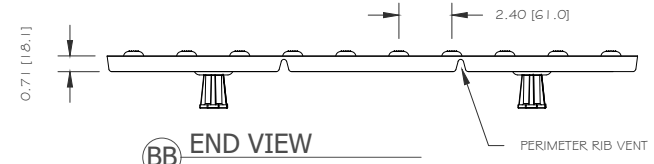
BOTTOM VIEW

DETECTABLE WARNING SURFACE PANEL

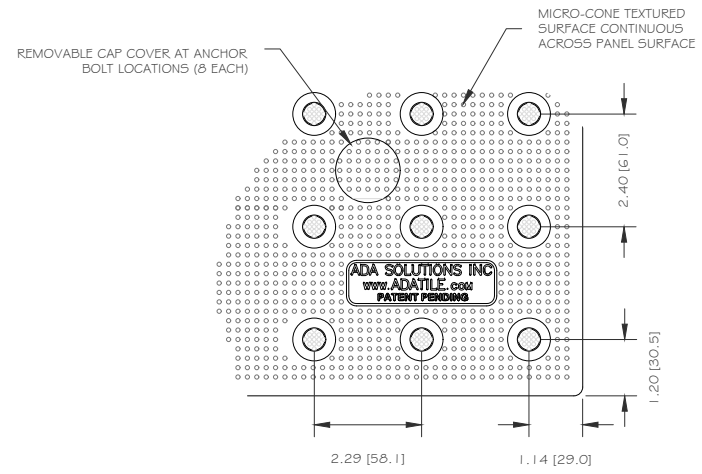
**Cast-In-Place Replaceable 24" x 36"**

PART SIZE: 24" (609.6 MM) X 36.57" (928.8 MM)

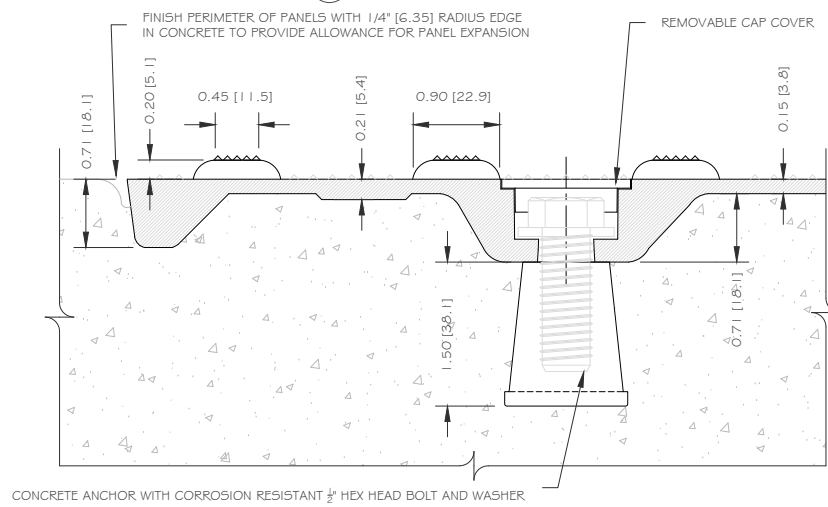
2.29" (58.1 MM) x 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING



BB END VIEW



A DETAIL



B DETAIL - INSTALLED IN CONCRETE

DIVISION  
TACTILE WALKING SURFACE INDICATORS  
MATERIAL  
FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
DRAWING NUMBER  
ADA-REP2-2436 Page 1 of 2

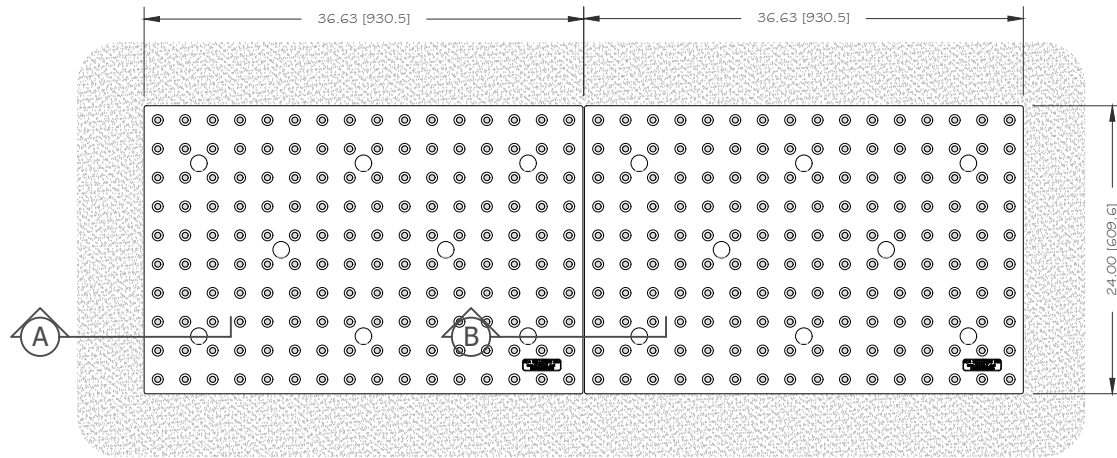
DATE  
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DRAWING UNITS  
INCHES [MM]

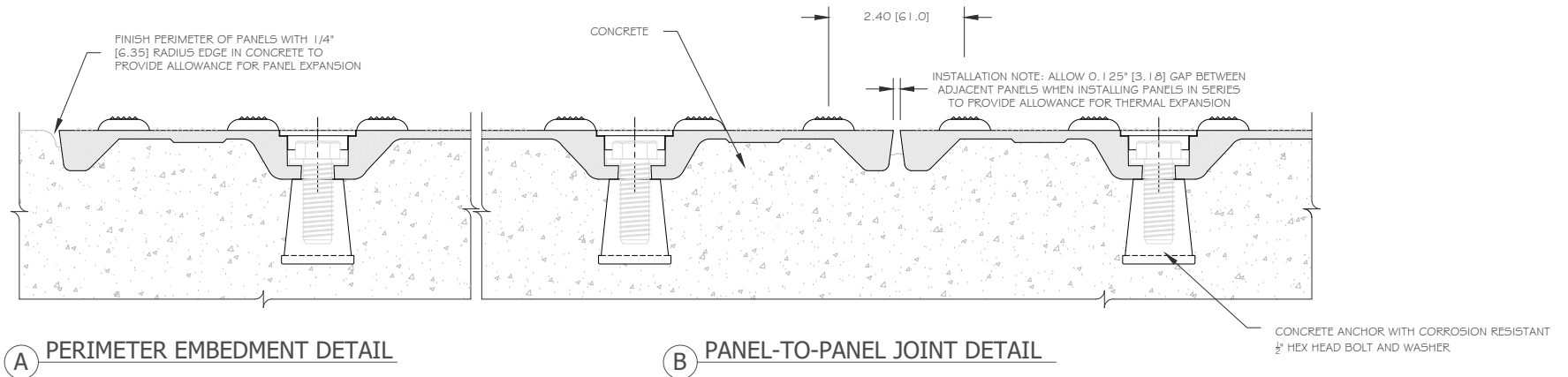
WEBSITE  
ADATILE.COM  
PHONE  
1-800-372-0519  
EMAIL  
INFO@ADATILE.COM







**TOP VIEW - MULTIPLE PANEL INSTALLATION**



DETECTABLE WARNING SURFACE PANEL

**Cast-In-Place Replaceable 24" x 36"**

PART SIZE: 24" (609.6 MM) X 36.57" (928.8 MM)

2.29" (58.1 MM) x 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION

TACTILE WALKING SURFACE INDICATORS

MATERIAL

FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER

ADA-REP2-2436 Page 2 of 2

DATE

2023-08-18

DRAWING UNITS

INCHES [MM]

WEBSITE

ADATILE.COM

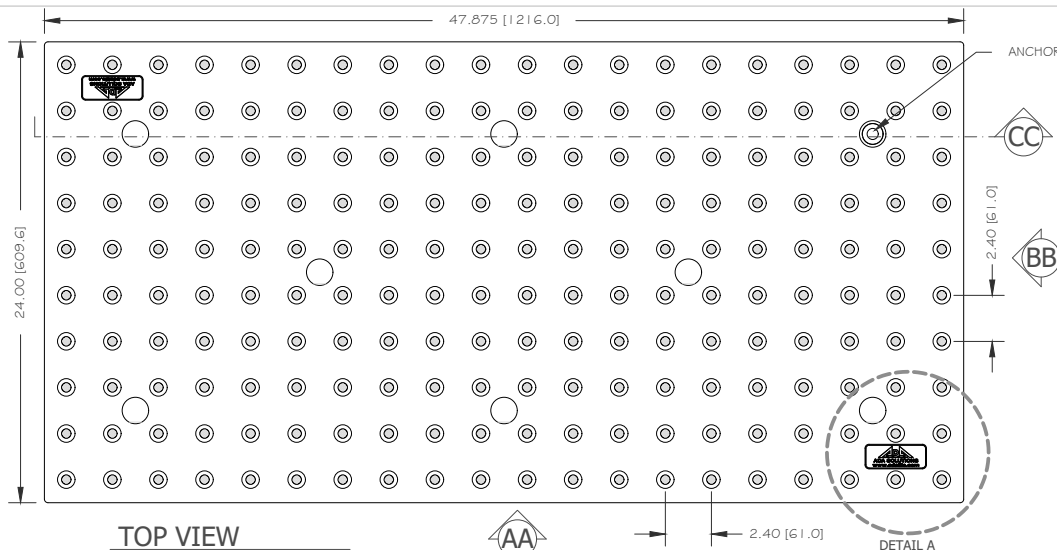
PHONE

1-800-372-0519

EMAIL

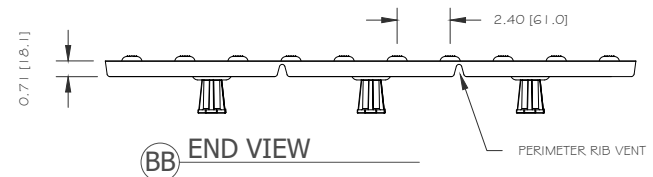
INFO@ADATILE.COM





TOP VIEW

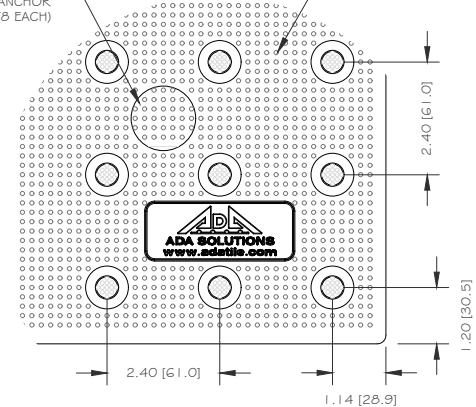
ANCHOR BOLT LOCATION (SHOWN WITHOUT CAP COVER INSTALLED)



END VIEW

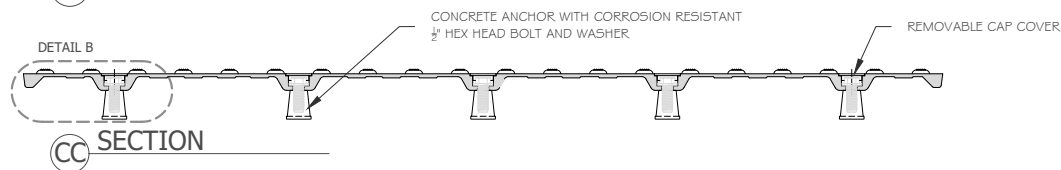
REMOVABLE CAP COVER AT ANCHOR BOLT LOCATIONS (2 EACH)

MICRO-CONE TEXTURED SURFACE CONTINUOUS ACROSS PANEL SURFACE

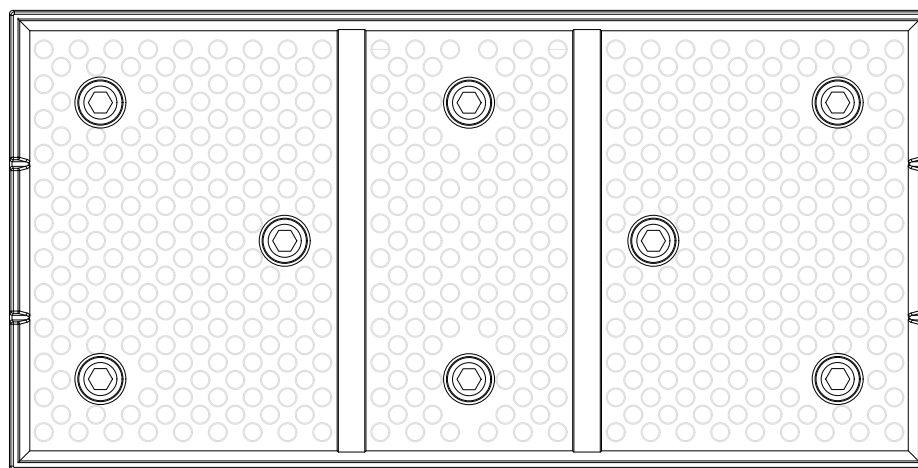


DETAIL

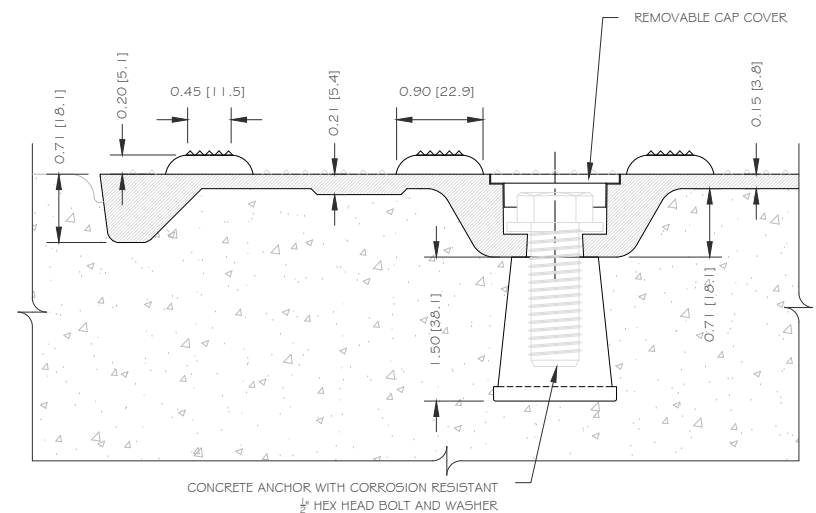
SIDE VIEW



SECTION



BOTTOM VIEW



DETAIL - INSTALLED IN CONCRETE

DETECTABLE WARNING SURFACE PANEL

**Cast-In-Place Replaceable 24" x 48"**

PART SIZE: 24" (609.6 MM) X 47.875" (1,216.0 MM)

2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION

TACTILE WALKING SURFACE INDICATORS

MATERIAL

FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER

ADA-REP2-2448 Page 1 of 2

DATE

2023-08-25

DRAWING UNITS

INCHES [MM]

WEBSITE

ADATILE.COM

PHONE

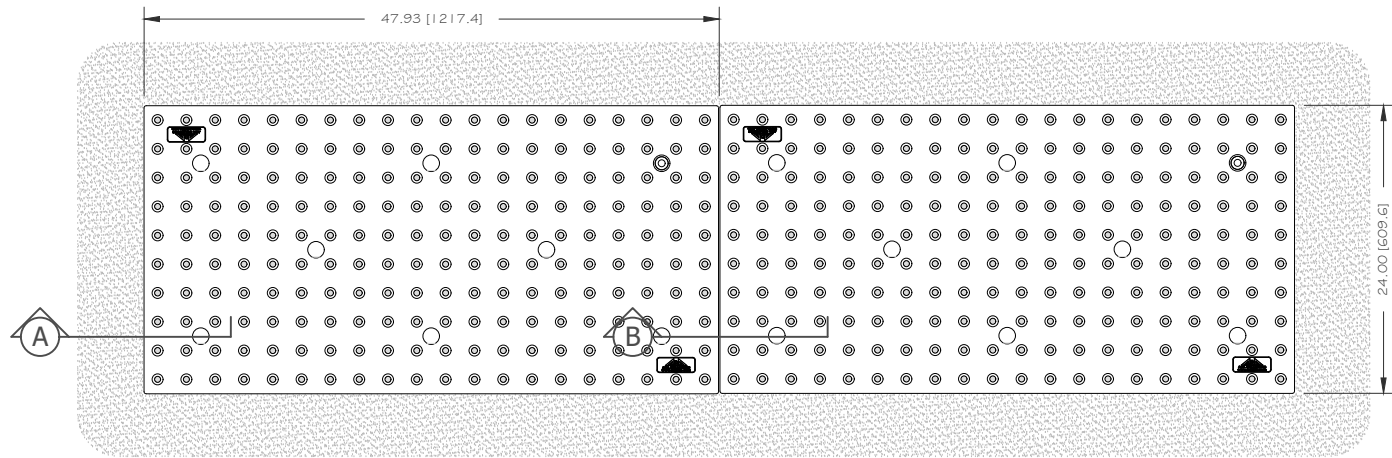
1-800-372-0519

EMAIL

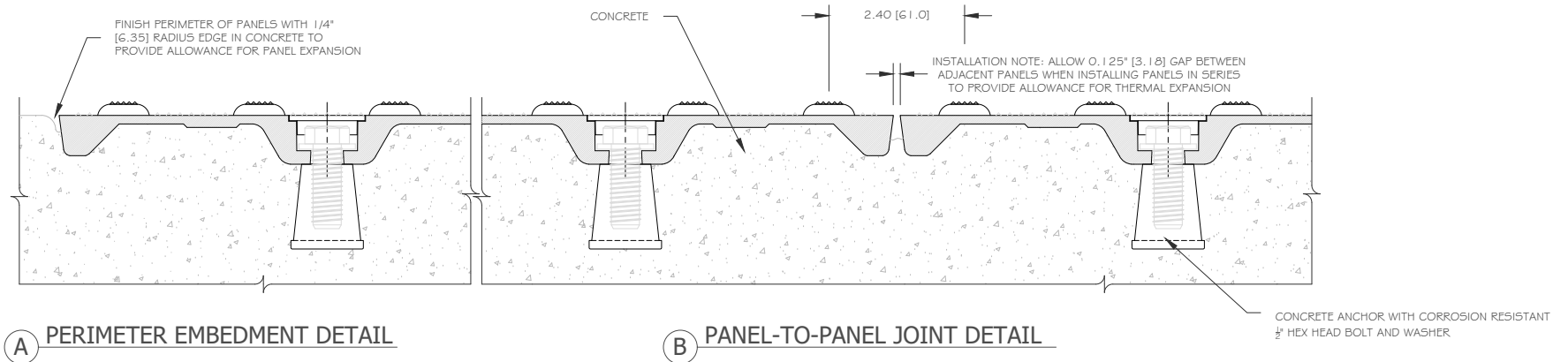
INFO@ADATILE.COM







**TOP VIEW - MULTIPLE PANEL INSTALLATION**



DETECTABLE WARNING SURFACE PANEL

**Cast-In-Place Replaceable 24" x 48"**

PART SIZE: 24" (609.6 MM) X 47.875" (1,216.0 MM)

2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION

TACTILE WALKING SURFACE INDICATORS

MATERIAL

FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER

ADA-REP2-2448 Page 2 of 2

DATE

2023-08-25

DRAWING UNITS

INCHES [MM]

WEBSITE

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PHONE

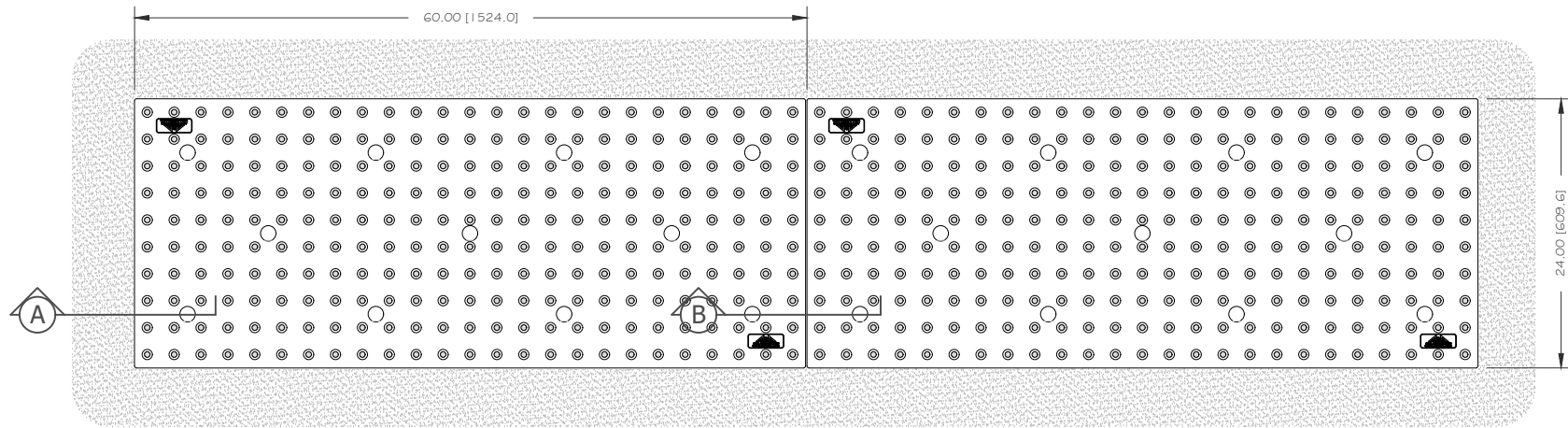
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EMAIL

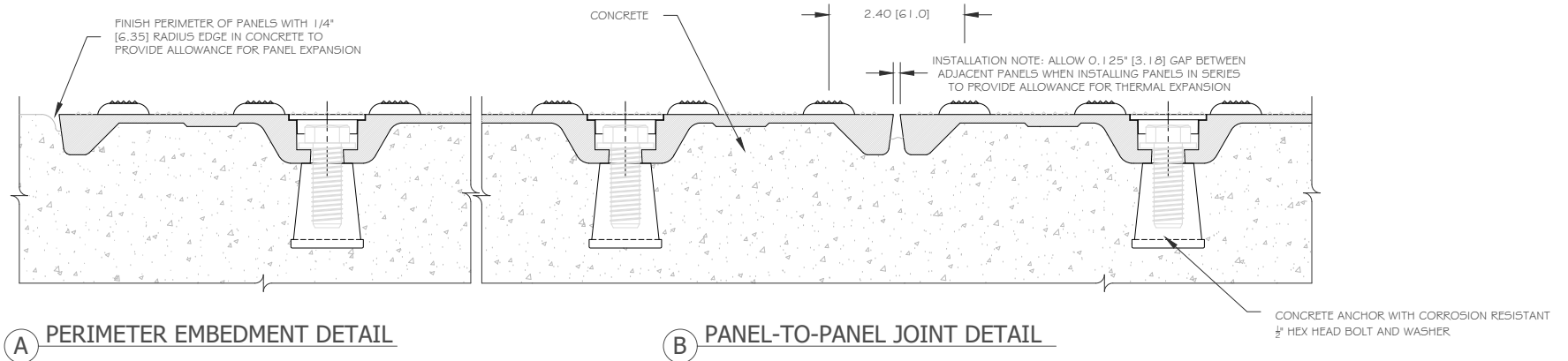
INFO@ADATILE.COM







**TOP VIEW - MULTIPLE PANEL INSTALLATION**



DETECTABLE WARNING SURFACE PANEL

**Cast-In-Place Replaceable 24" x 60"**

PART SIZE: 24" (609.6 MM) X 59.875" (1,520.8 MM)

2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION

TACTILE WALKING SURFACE INDICATORS

MATERIAL

FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER

ADA-REP2-2460 Page 2 of 2

DATE

2023-05-19

DRAWING UNITS

INCHES [MM]

WEBSITE

ADATILE.COM

PHONE

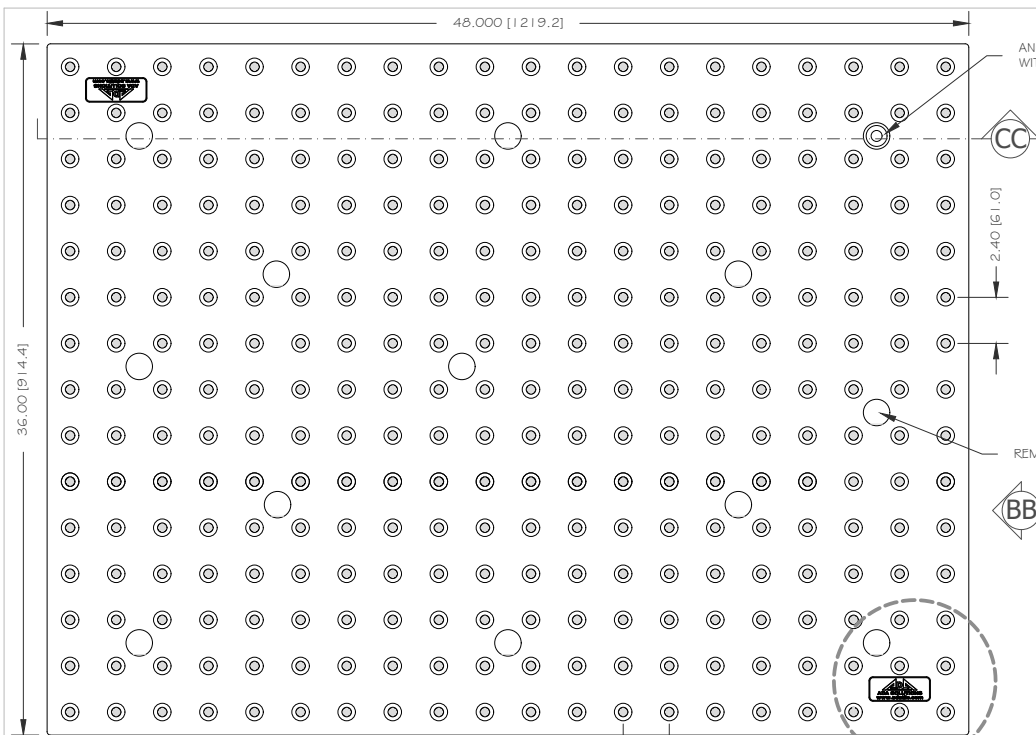
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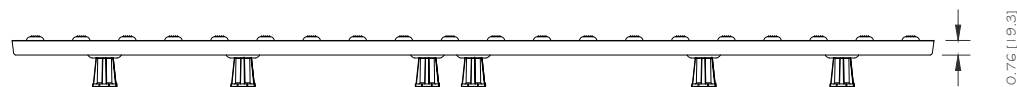
INFO@ADATILE.COM



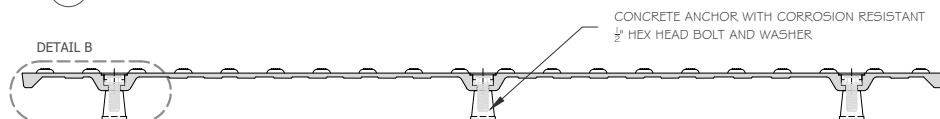




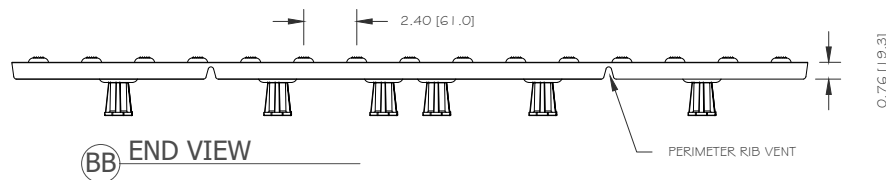
TOP VIEW



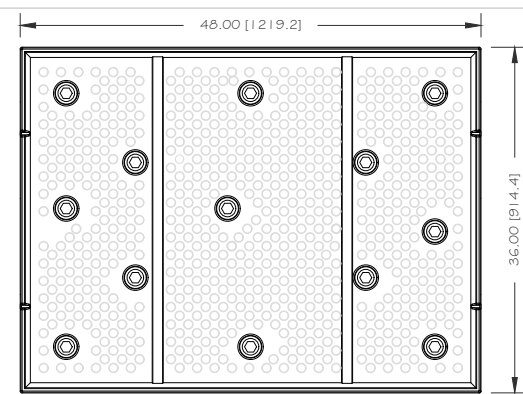
AA SIDE VIEW



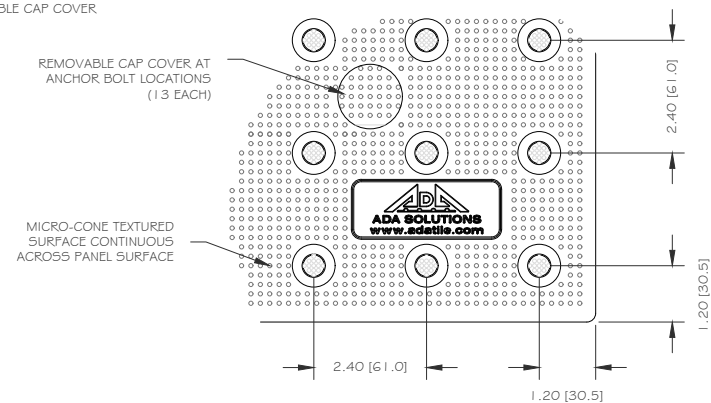
CC SECTION



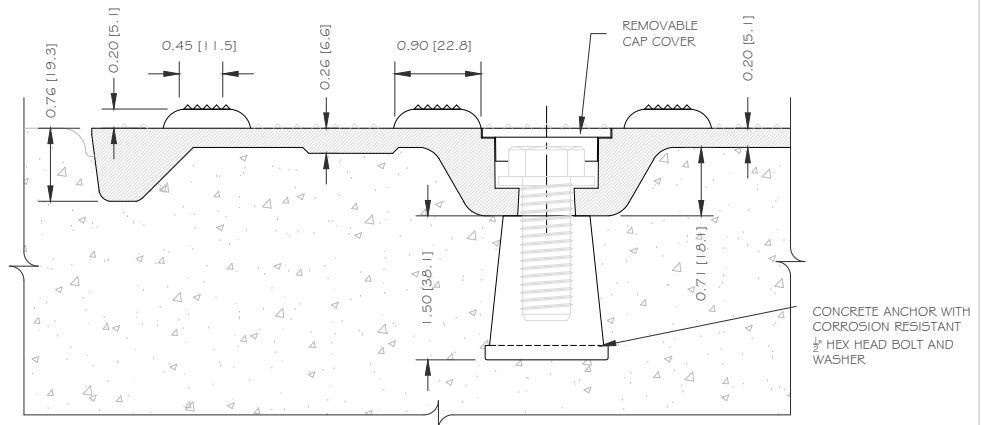
BB END VIEW



BOTTOM VIEW



A DETAIL



B DETAIL - INSTALLED IN CONCRETE

DETECTABLE WARNING SURFACE PANEL  
**Cast-In-Place Replaceable 36" x 48"**  
 PART SIZE: 36" (914.4 MM) X 48" (1,219.2 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

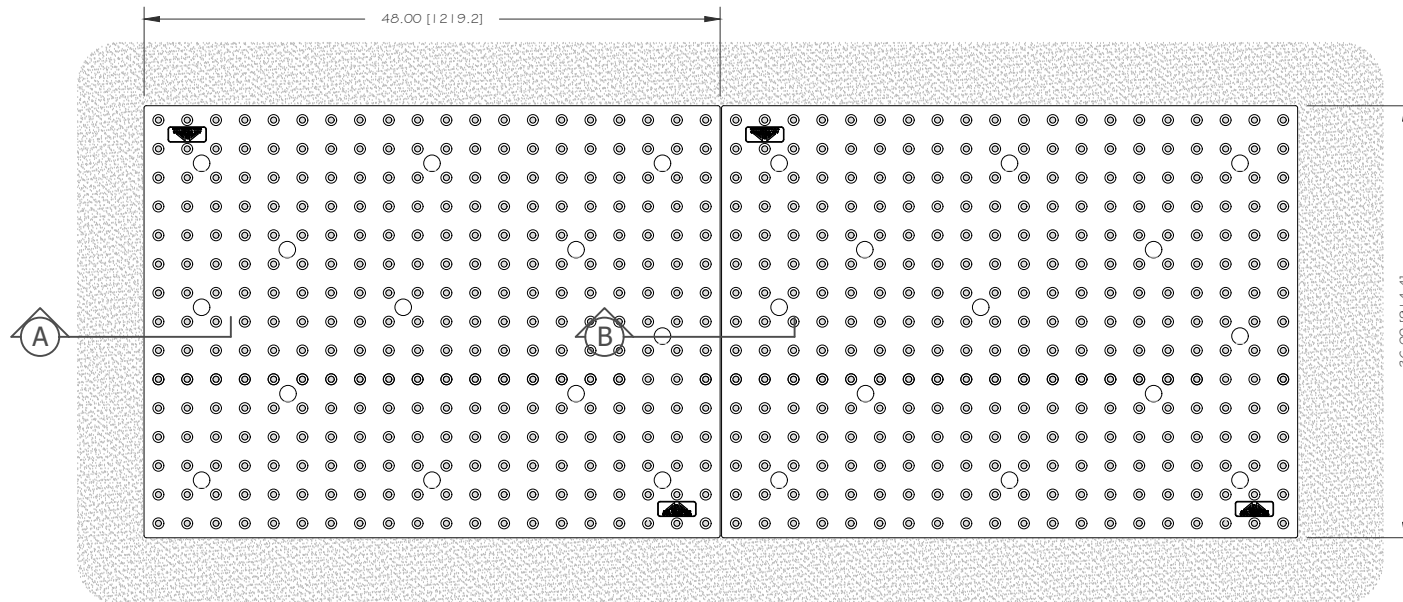
DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-REP2-3648 Page 1 of 2

DATE  
 2023-08-24

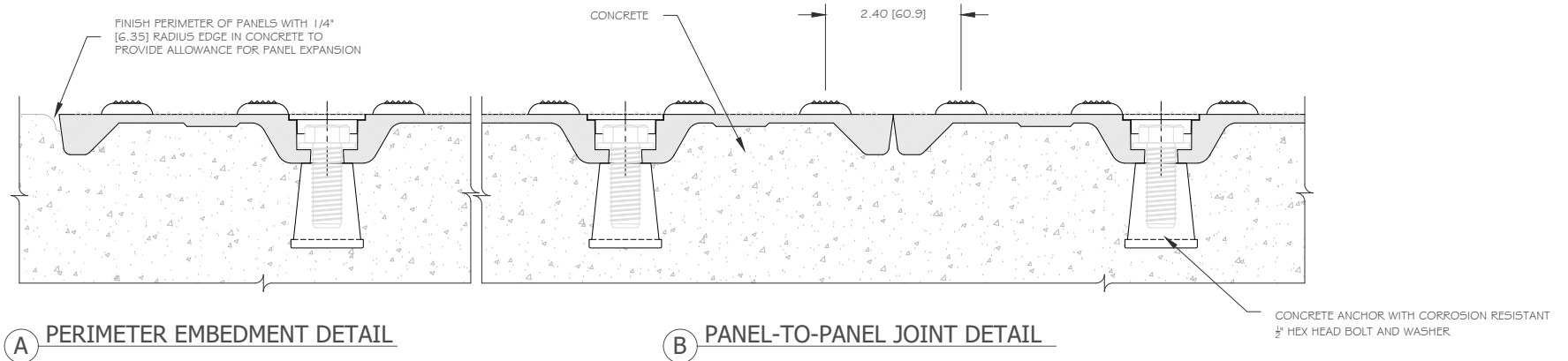
DRAWING UNITS  
 INCHES [MM]

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**TOP VIEW - MULTIPLE PANEL INSTALLATION**



**PERIMETER EMBEDMENT DETAIL**

**PANEL-TO-PANEL JOINT DETAIL**

DETECTABLE WARNING SURFACE PANEL  
**Cast-In-Place Replaceable 36" x 48"**  
 PART SIZE: 36" (914.4 MM) X 48" (1,219.2 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

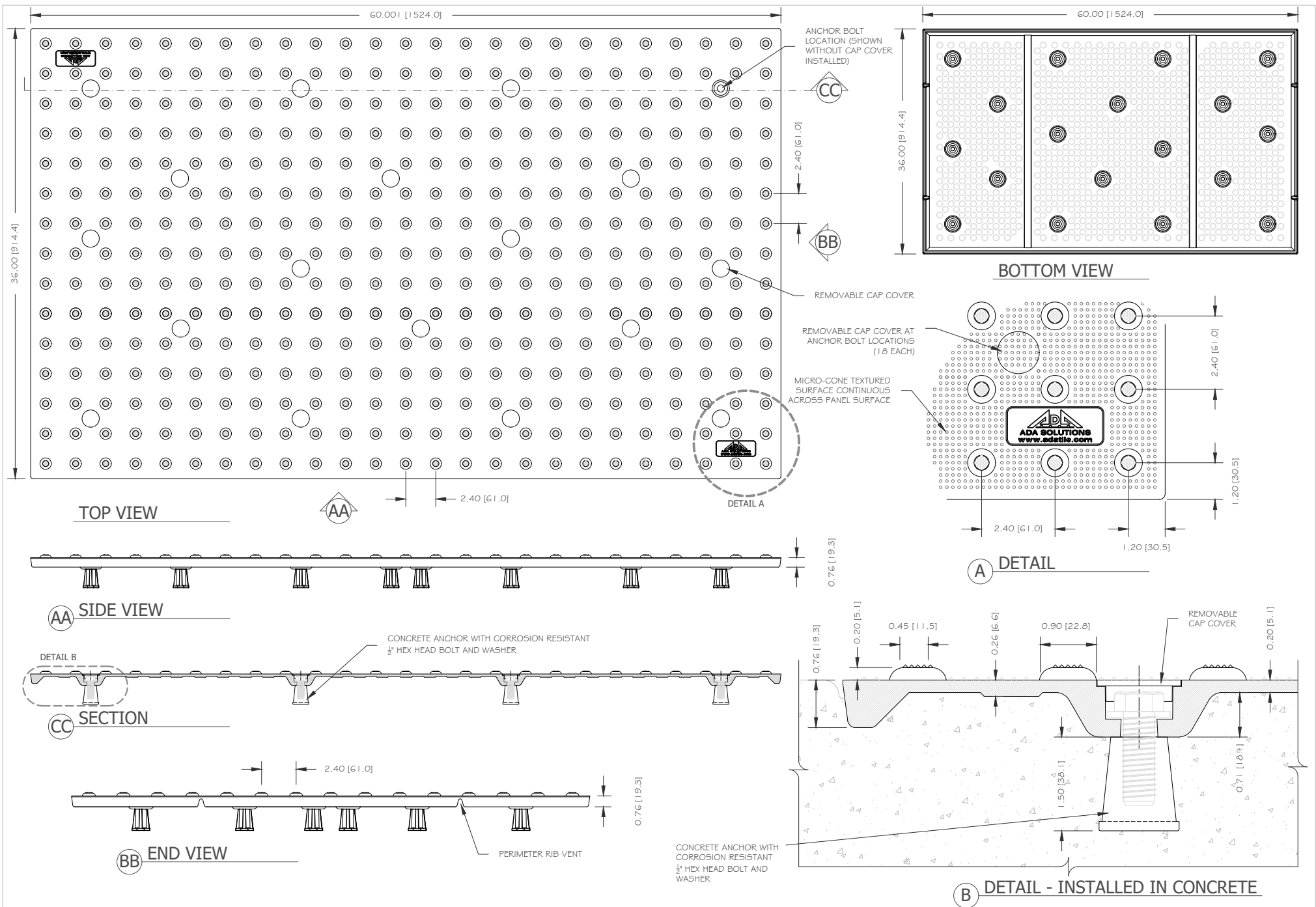
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 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-REP2-3648 Page 2 of 2

DATE  
 2023-08-24

DRAWING UNITS  
 INCHES [MM]

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 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM





DETECTABLE WARNING SURFACE PANEL

## Cast-In-Place Replaceable 36" x 60"

PART SIZE: 36" (914.4 MM) X 60" (1,524 MM)

2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION

TACTILE WALKING SURFACE INDICATORS

MATERIAL

FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER

ADA-REP2-3660 Page 1 of 2

DATE

2023-09-05

DRAWING UNITS

INCHES [MM]

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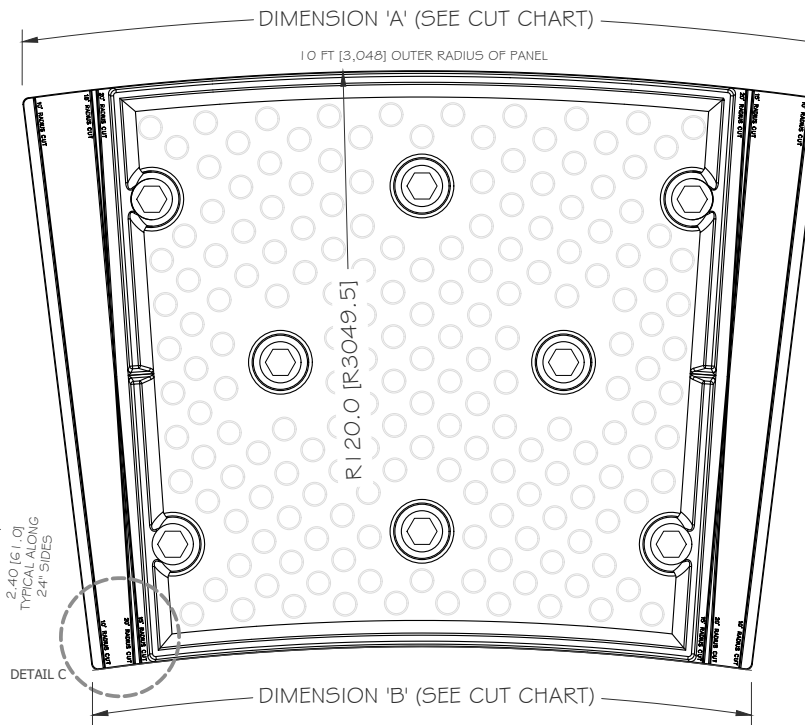
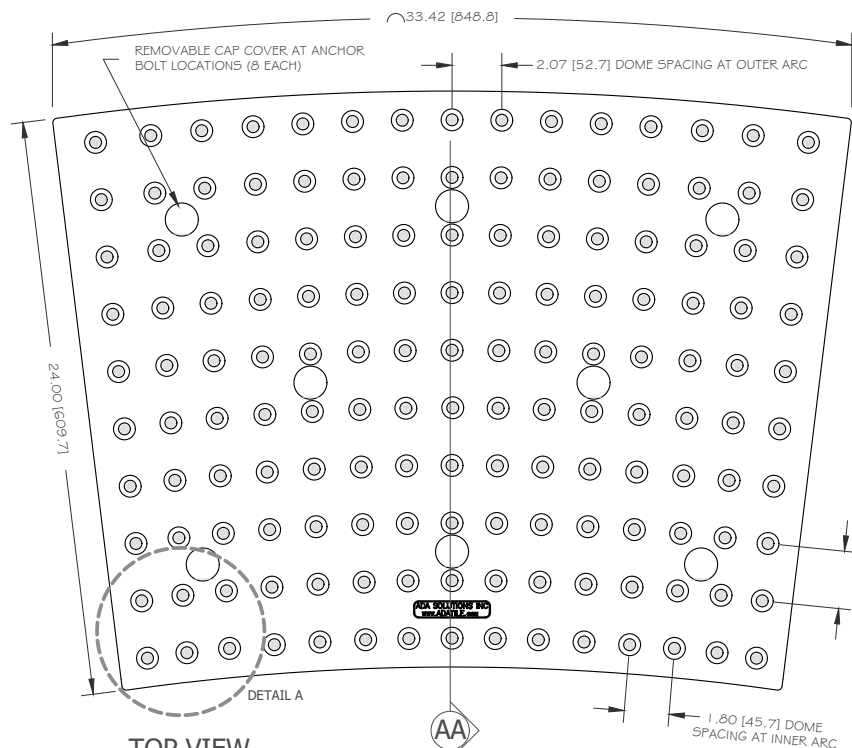
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EMAIL

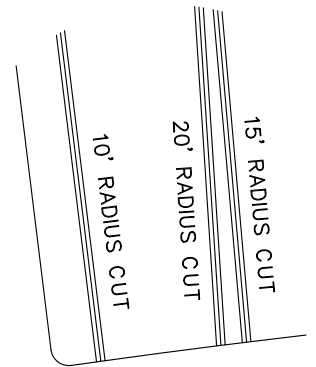
INFO@ADATILE.COM



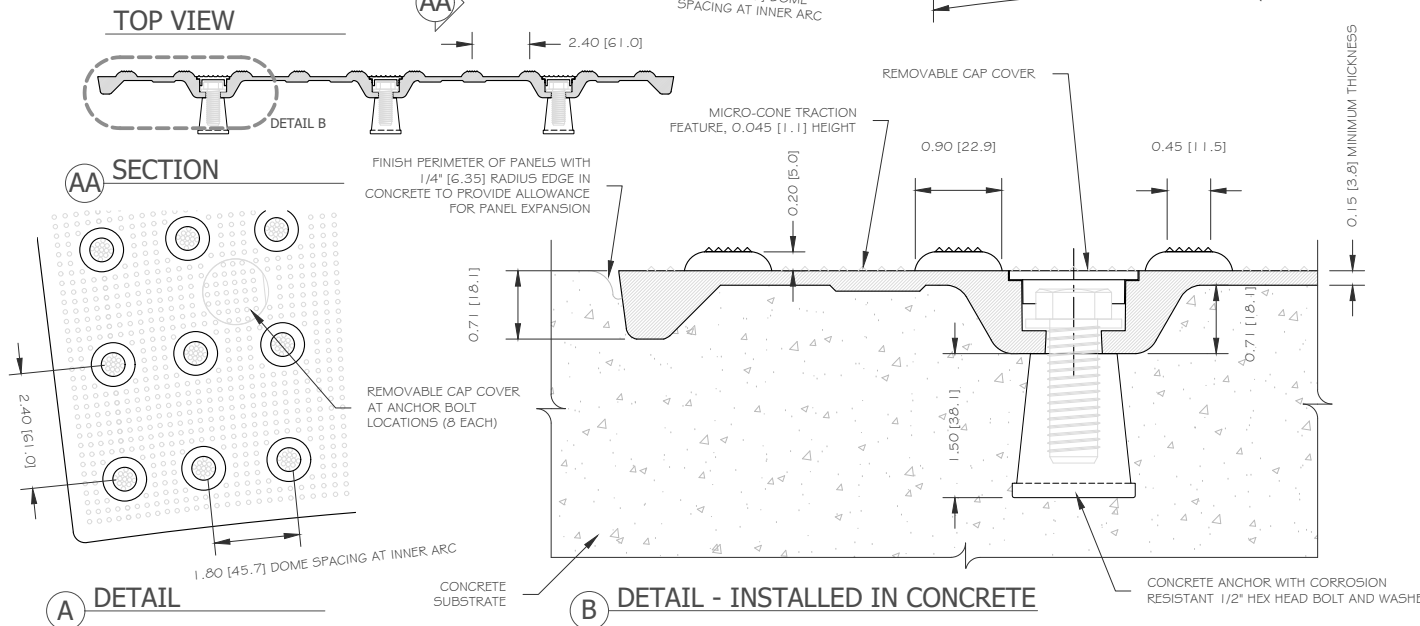




FACTORY PROVIDED FIELD CUT LINES FOR 10', 15', AND 20' RADIUS



C ENLARGE VIEW



IMPERIAL UNIT CUT CHART

Curb Radius	'A' Dimension	'B' Dimension
10'	2' - 8 <sup>5</sup> / <sub>16</sub> "	2' - 2 <sup>7</sup> / <sub>16</sub> "
15'	2' - 3 <sup>5</sup> / <sub>8</sub> "	1' - 11 <sup>7</sup> / <sub>16</sub> "
20'	2' - 3 <sup>1</sup> / <sub>16</sub> "	1' - 11 <sup>15</sup> / <sub>16</sub> "

METRIC UNIT CUT CHART

Curb Radius (m)	'A' Dimension (mm)	'B' Dimension (mm)
3.05	821	671
4.57	702	595
6.10	687	608

DETECTABLE WARNING SURFACE PANEL  
**Cast-In-Place Replaceable Radius 24 x 33**  
 PART SIZE: 24" (609.6 MM) X 33.42" (848.8 MM)  
 2.40" (60.96 MM) RADIAL ARRAY TRUNCATED DOME SPACING  
 DOME SPACING WITHIN MINIMUM AND MAXIMUM GUIDELINES

DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-REP2RAD2433

DATE  
 2023-09-06  
 DRAWING UNITS  
 INCHES [MM]

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Heritage Brick Cast-In-Place Paver  
Color: Brick Red



# HERITAGE BRICK PAVER

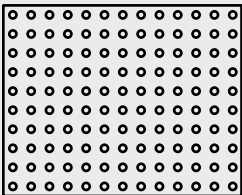
**Heritage Brick Cast-In-Place Paver Detectable Warning Surface Panels** provide an elevated look to the streetscape. It delivers the classic look of brick pavers without the maintenance and compliance issues common to brick. Fully ADA-compliant, the Heritage Brick CIP Paver is an ideal fit for downtown or historic districts. The panels are “wet-set” into new concrete for a permanently embedded installation. The panels feature an in-line dome pattern with ADA-compliant dome geometry and maximum dome spacing of 2.4".



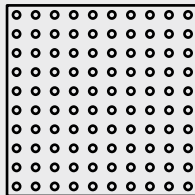
- Available in all standard and New Stonescape UV+ colors
- More durable than brick or concrete pavers
- Eliminates trip hazard and maintenance issues common to brick
- Permanent wet-set application
- ADAAG/PROWAG compliant
- Extremely durable design with embedment ribs spaced at 3 inches on center across bottom of panel

## PANEL SIZES

24" x 30"



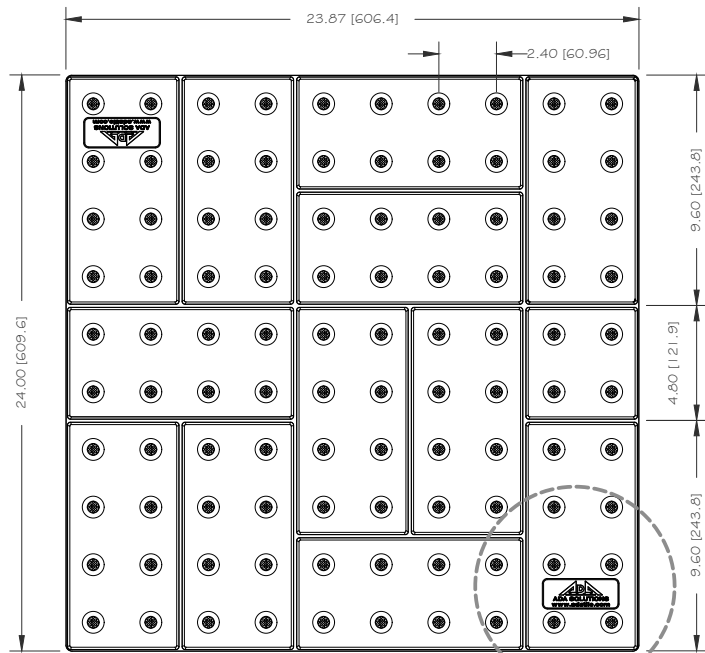
24" x 24"



24" and 30" panel widths are installed in series to meet most common sidewalk widths. Panels can be easily field cut for non-standard or installations with complex geometry.



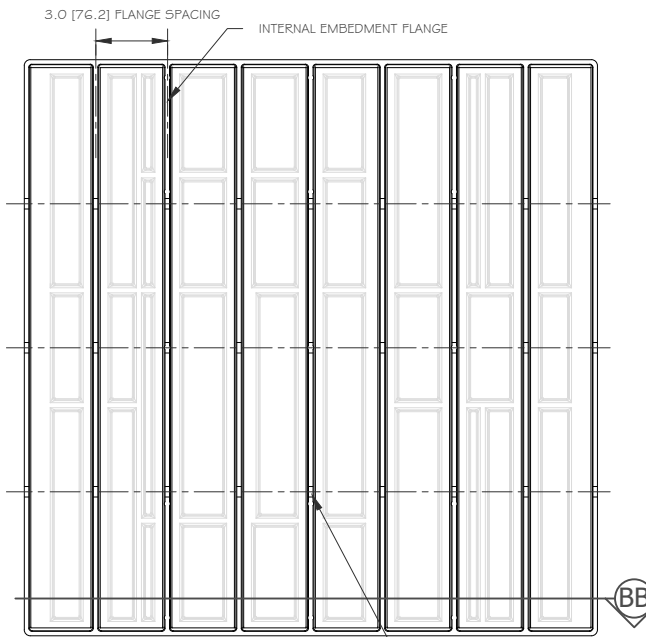




TOP VIEW

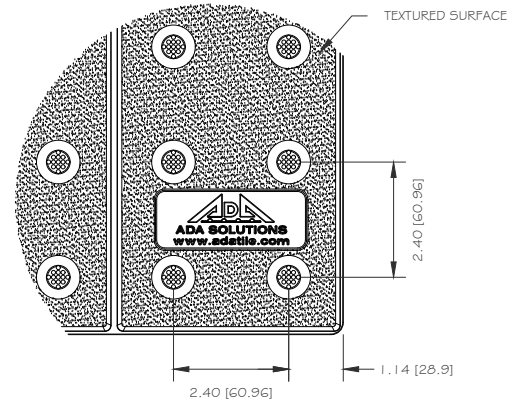
AA

A

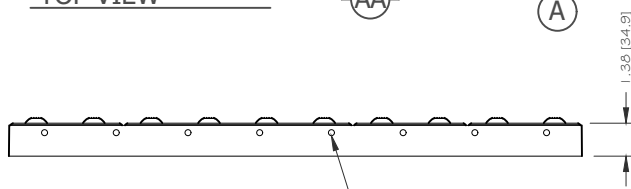


BOTTOM VIEW

BB

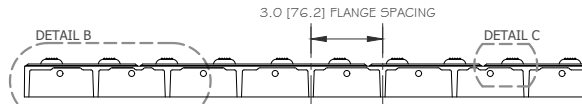


A DETAIL

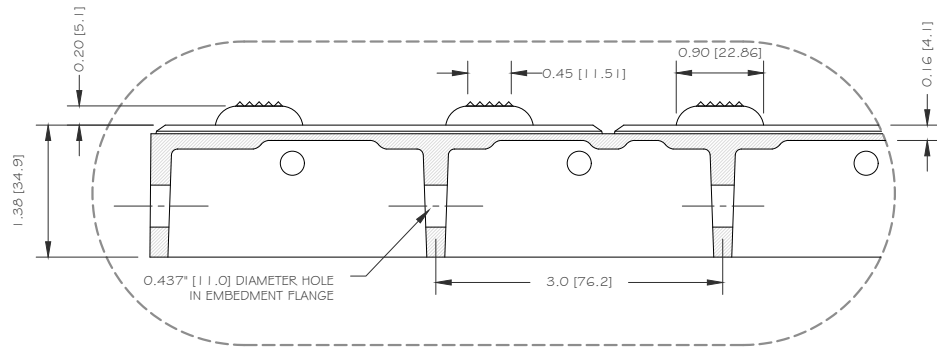


AA END VIEW

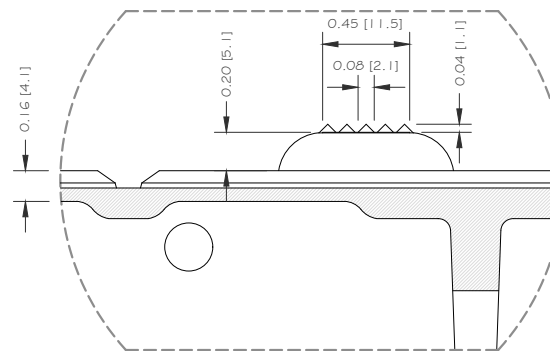
0.25" [6.35] DIAMETER VENT HOLES CENTERED BETWEEN EMBEDMENT FLANGES TO ALLOW AIR TO EXIT FROM CAVITIES DURING INSTALLATION INTO UNCURED CONCRETE.



BB SECTION



B DETAIL



C DETAIL

DETECTABLE WARNING SURFACE PANEL  
**HERITAGE BRICK PAVER UNIT 24 X 24**  
 PART SIZE: 24" (609.6 MM) X 23.875" (606.4 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

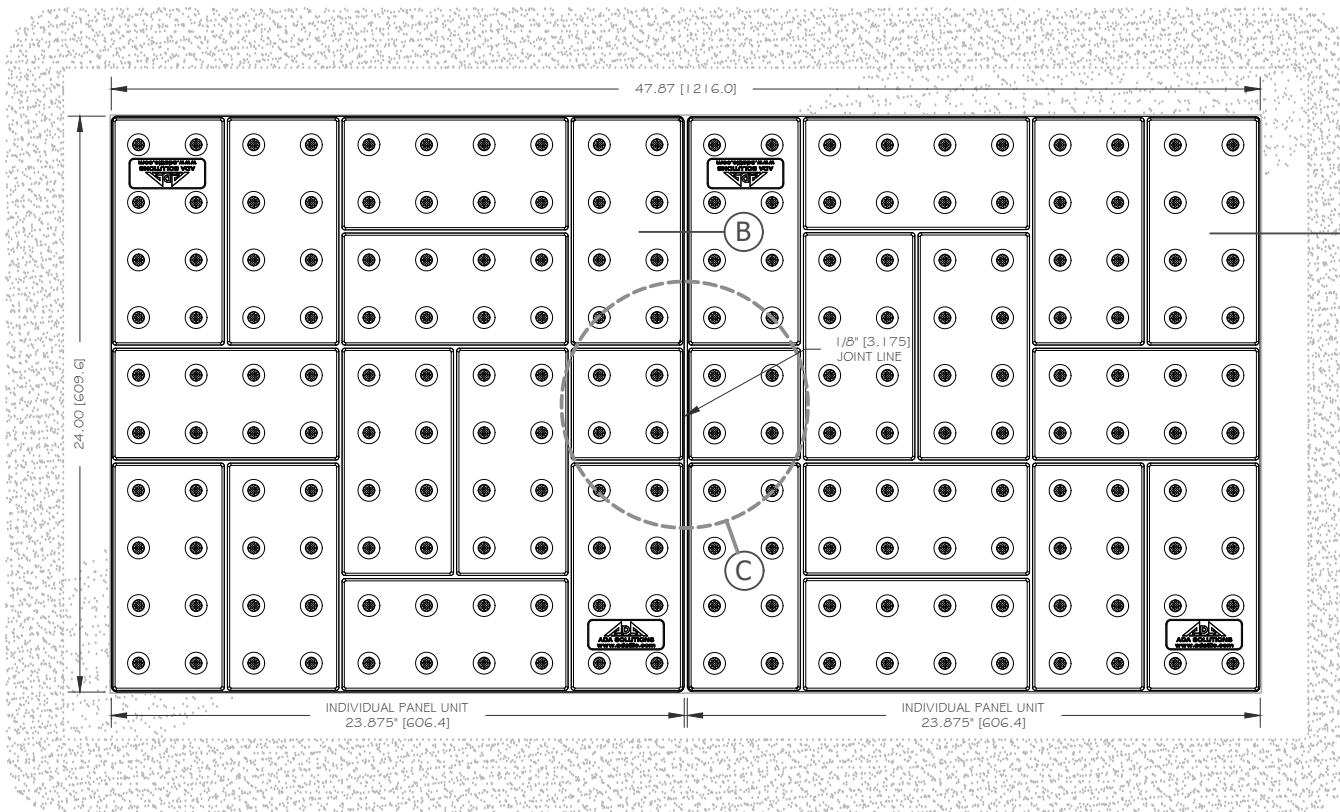
DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-HBRICK2424\_Page 1 of 2

DATE  
 2021-11-18

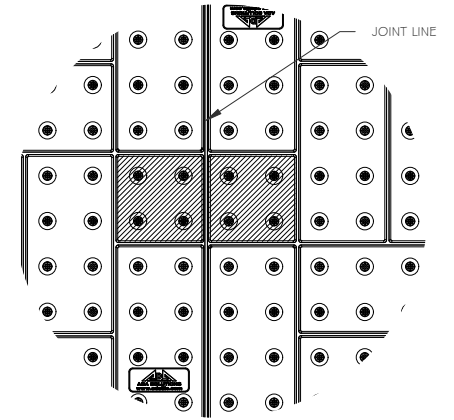
DRAWING UNITS  
 INCHES [MM]

WEBSITE  
 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM



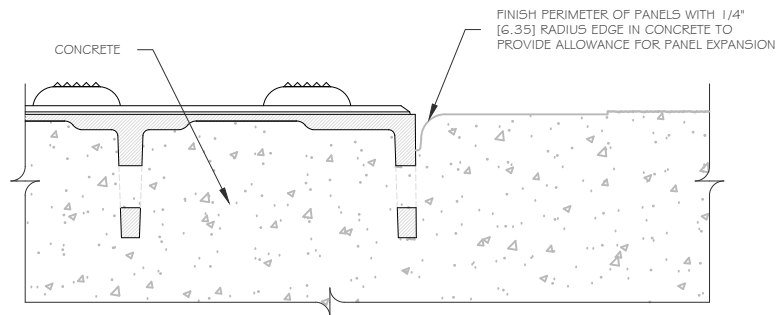


TO MAINTAIN MODIFIED BASKETWEAVE BRICK PATTERN FOR MULTIPLE PANEL INSTALLATIONS, ALIGN PANELS AT HALF-BRICK LOCATION FOUND ON EACH 24x24 PANEL (SHADED BELOW).

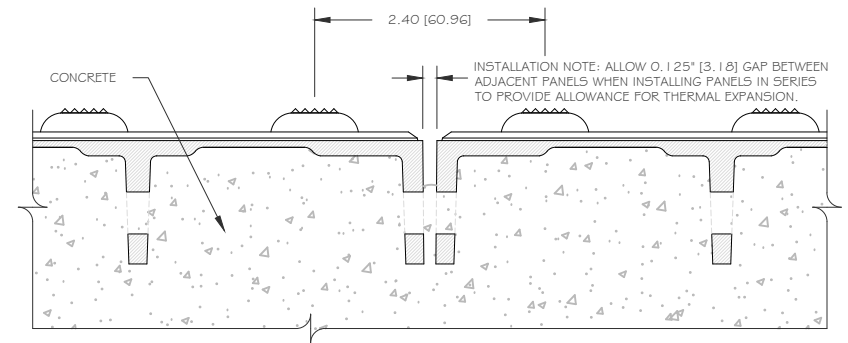


**C** PATTERN ALIGNMENT

## **EMBEDMENT TOP VIEW - 2'x4' LAYOUT**



**A** PERIMETER EMBEDMENT DETAIL



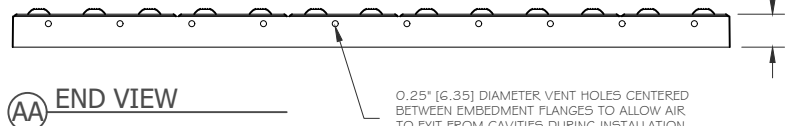
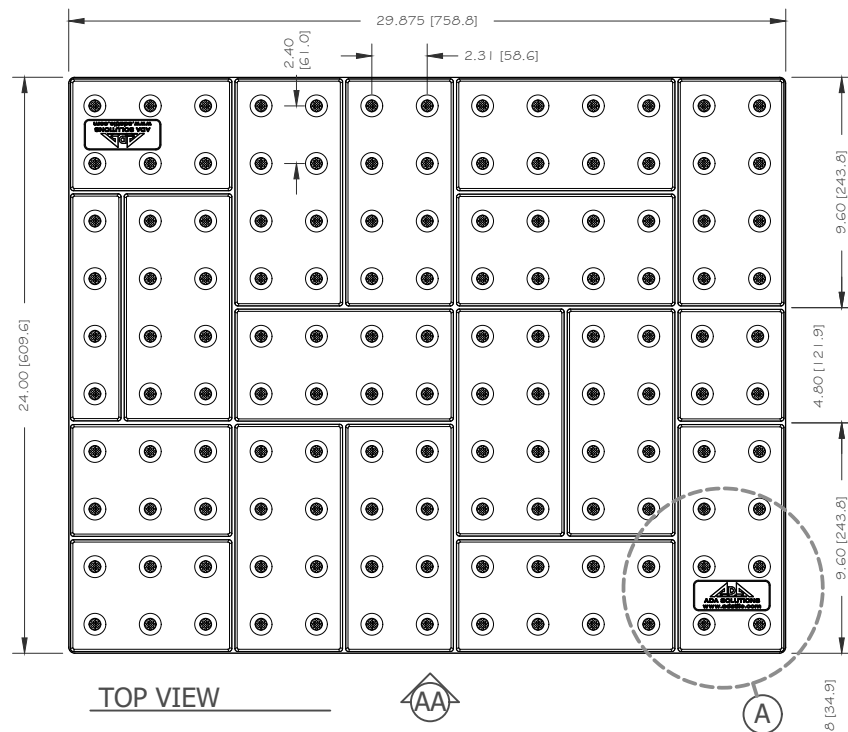
**B** PANEL-TO-PANEL JOINT DETAIL

DETECTABLE WARNING SURFACE PANEL  
**HERITAGE BRICK PAVER UNIT 24 X 24**  
 PART SIZE: 24" (609.6 MM) X 23.875" (606.4 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

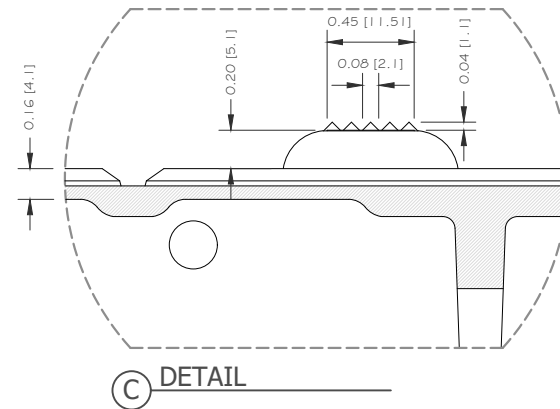
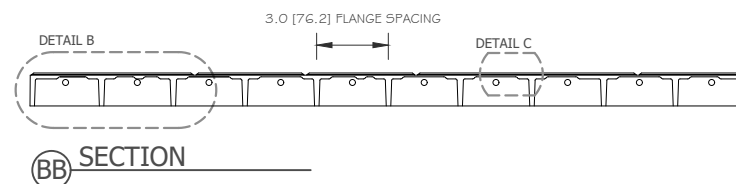
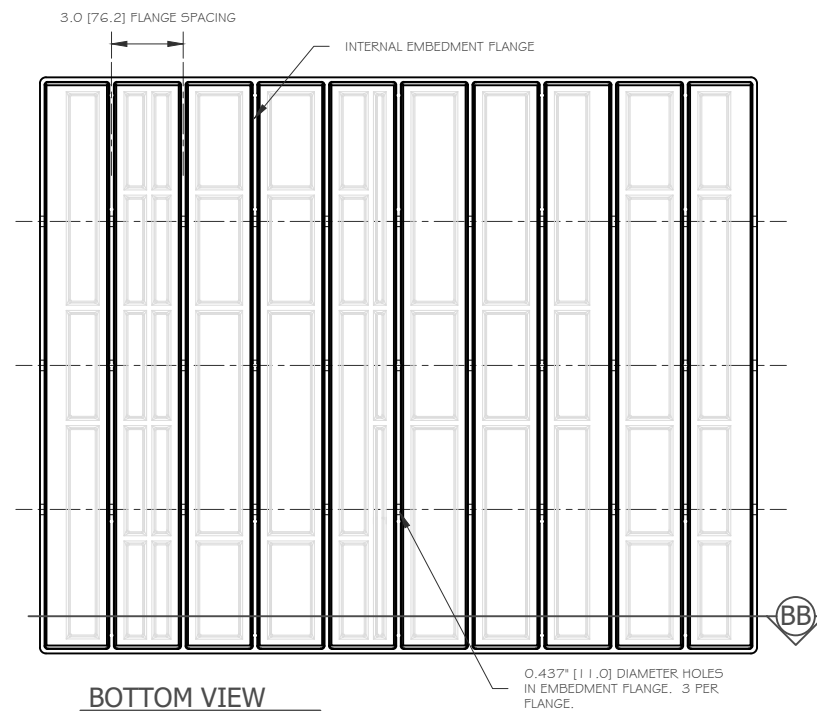
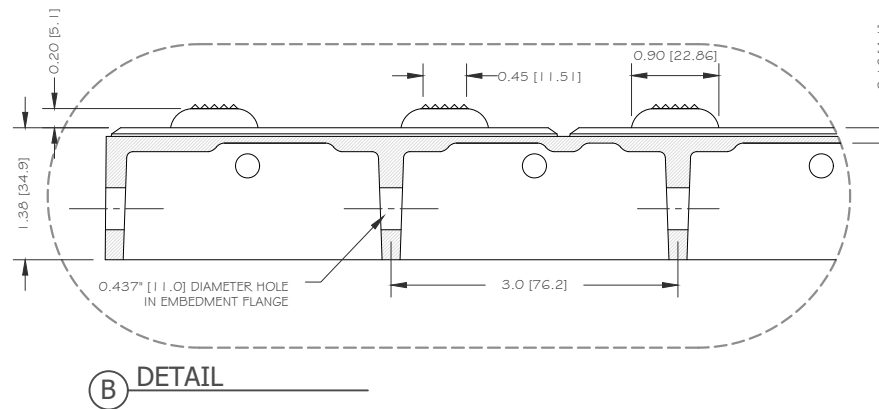
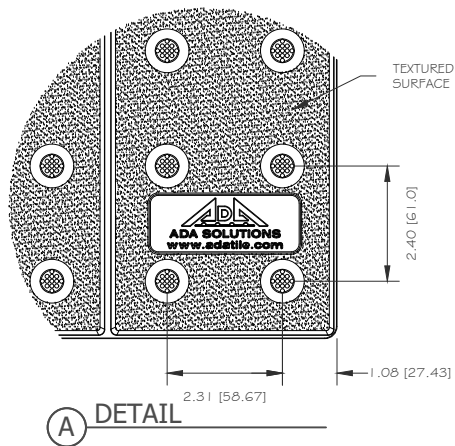
DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-HBRICK2424\_Page 2 of 2  
 DATE  
 2021-11-18  
 DRAWING UNITS  
 INCHES [MM]

WEBSITE  
 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM





0.25" [6.35] DIAMETER VENT HOLES CENTERED BETWEEN EMBEDMENT FLANGES TO ALLOW AIR TO EXIT FROM CAVITIES DURING INSTALLATION INTO UNCURED CONCRETE.



DETECTABLE WARNING SURFACE PANEL  
**HERITAGE BRICK PAVER UNIT 24 X 30**  
 PART SIZE: 24" (609.6 MM) X 29.875" (758.82 MM)  
 2.31" (58.67 MM) IN-LINE TRUNCATED DOME SPACING (ALONG 30 INCH LENGTH)

DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-HBRICK2430\_Page 1 of 2

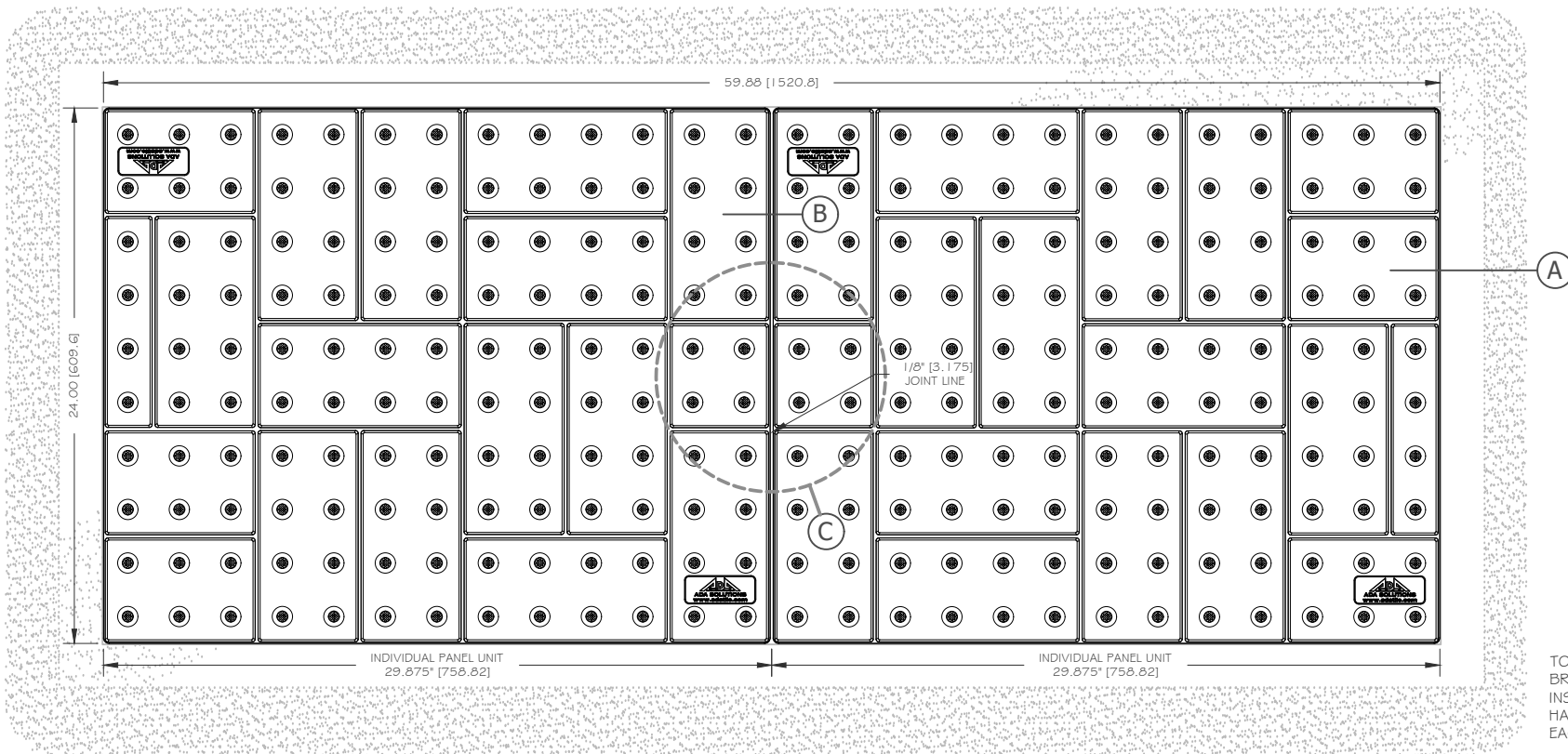
DATE  
 2021-11-18

DRAWING UNITS  
 INCHES [MM]

WEBSITE  
 ADATILE.COM  
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 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM

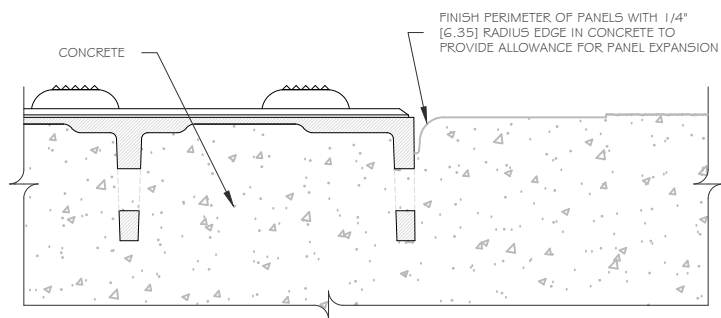




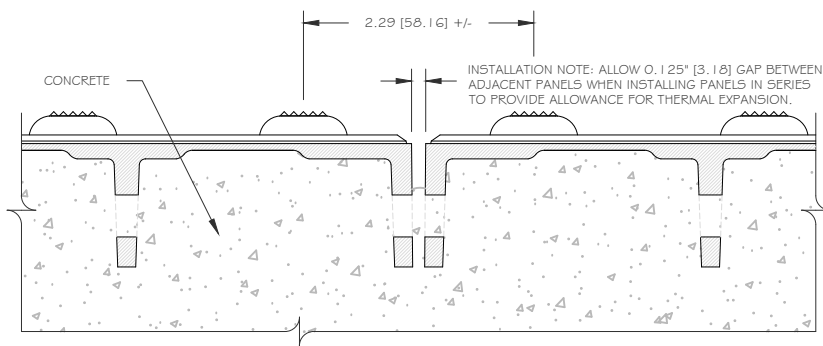


TO MAINTAIN MODIFIED BASKETWEAVE BRICK PATTERN FOR MULTIPLE PANEL INSTALLATIONS, ALIGN PANELS AT HALF-BRICK LOCATION FOUND ON EACH 24x30 PANEL (SHADED BELOW).

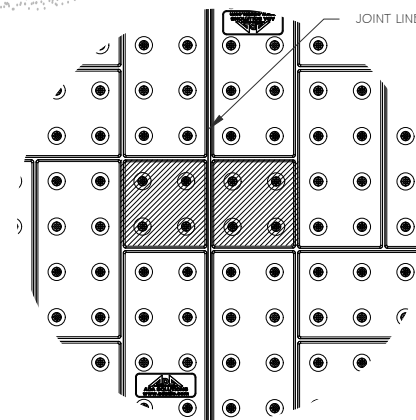
## EMBEDMENT TOP VIEW - 2'x5' LAYOUT



**A** PERIMETER EMBEDMENT DETAIL



**B** PANEL-TO-PANEL JOINT DETAIL



**C** PATTERN ALIGNMENT

DETECTABLE WARNING SURFACE PANEL  
**HERITAGE BRICK PAVER UNIT 24 X 30**  
 PART SIZE: 24" (609.6 MM) X 29.875" (758.82 MM)  
 2.31" (58.67 MM) IN-LINE TRUNCATED DOME SPACING (ALONG 30 INCH LENGTH)

DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-HBRICK2430\_Page 2 of 2

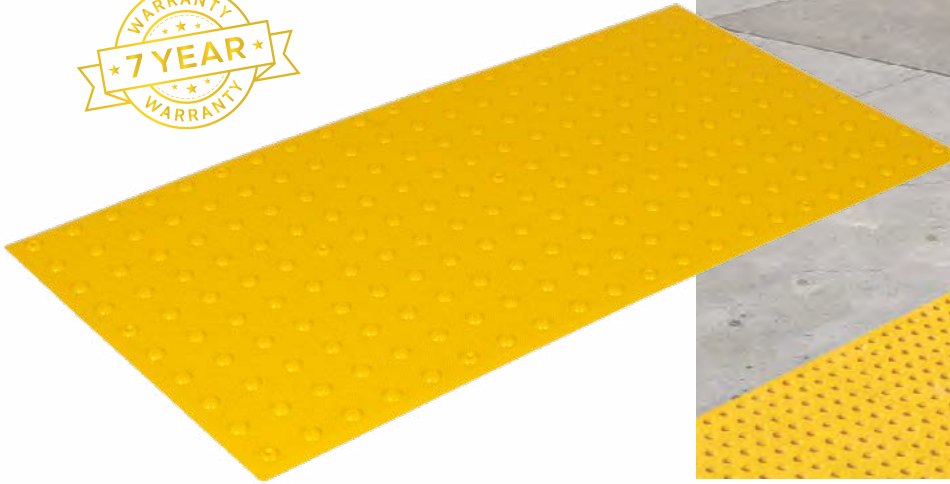
DATE  
 2021-11-18  
 DRAWING UNITS  
 INCHES [MM]

WEBSITE  
 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM



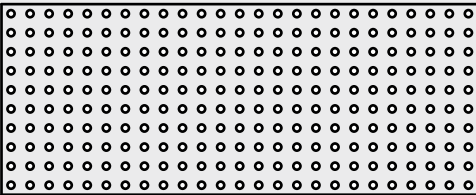
# SURFACE-APPLIED / RETROFIT

**Surface-Applied Detectable Warning Surface Panels** are designed for retrofitting to existing concrete surfaces. When the pedestrian facility is in full compliance with ADA requirements and all that is required is the addition of a truncated dome surface, the Surface-Applied panel is the perfect product. Fully ADA-compliant, the SA panels are manufactured with high-grade fiberglass reinforced polyester-based composite material and are available in a wide range of panel sizes.

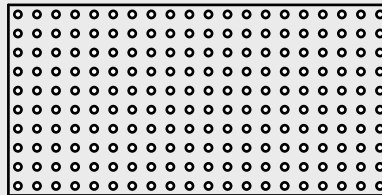


## PANEL SIZES

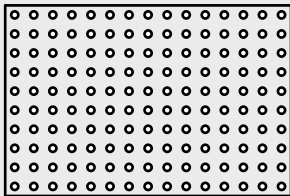
24" x 60"



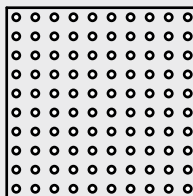
24" x 48"



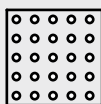
24" x 36"



24" x 24"



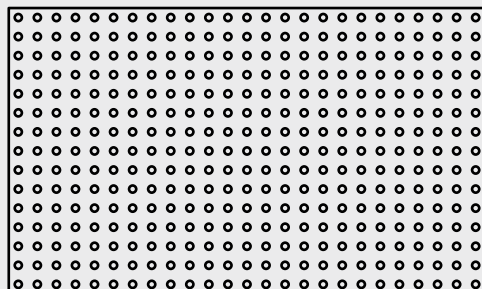
12" x 12"



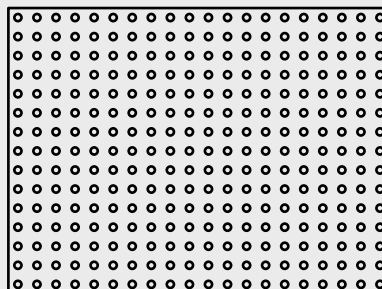
24" width meets minimum ADA requirements

36" width meets minimum California Building Code requirements

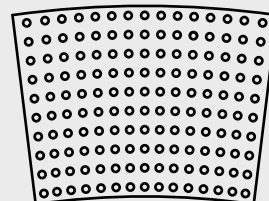
36" x 60"



36" x 48"



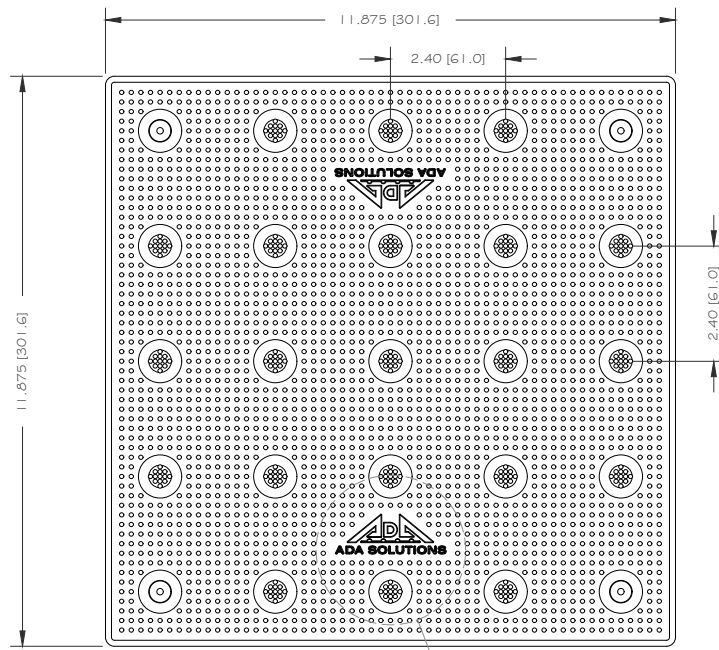
24" x 33"



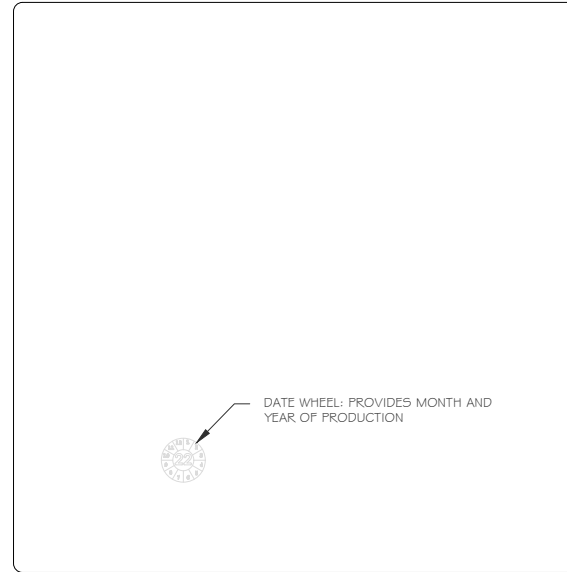
Radius

Radius Replaceable panels are best option rounded corner curb ramp (blended transitions) and can be field mitered to fit between 8' and 20' radius.

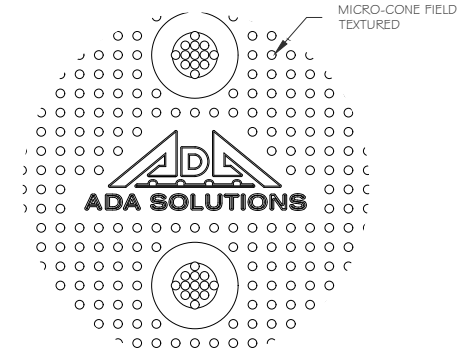




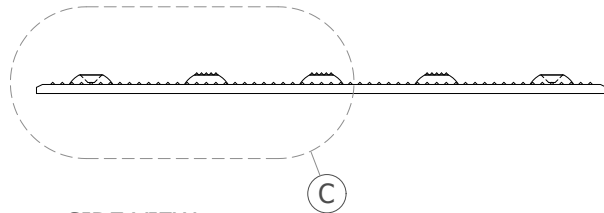
TOP VIEW



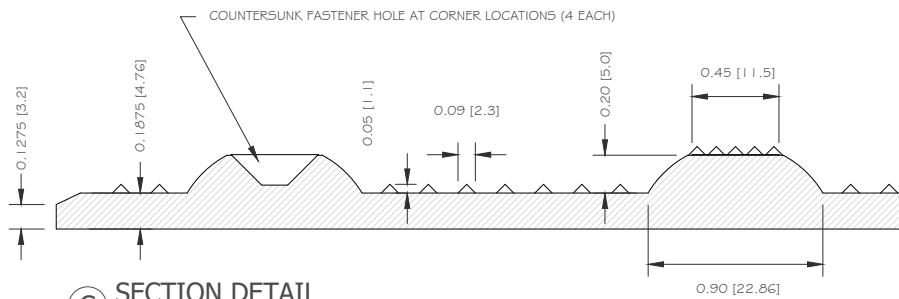
BOTTOM VIEW



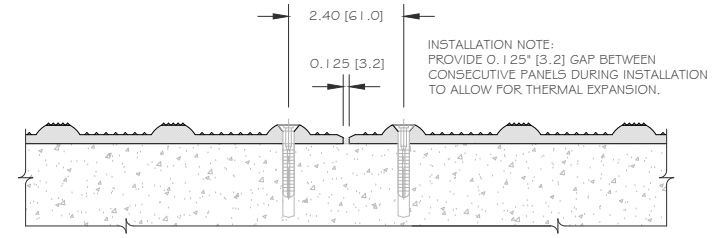
A LOGO DETAIL



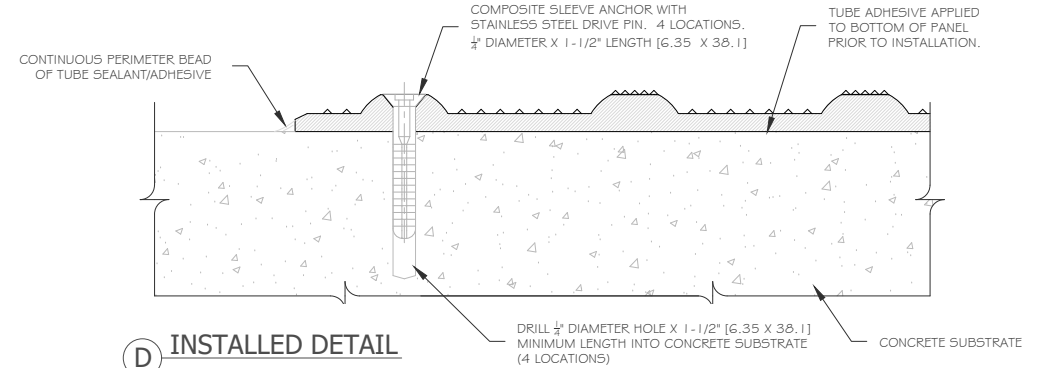
AA SIDE VIEW



C SECTION DETAIL



B INSTALLATION IN SERIES



D INSTALLED DETAIL

DETECTABLE WARNING SURFACE PANEL  
**12" x 12" Surface Applied DWS Tile**  
 PART SIZE: 11.875" (301.62 MM) X 11.875" (301.62 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

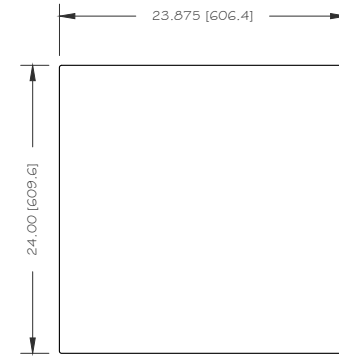
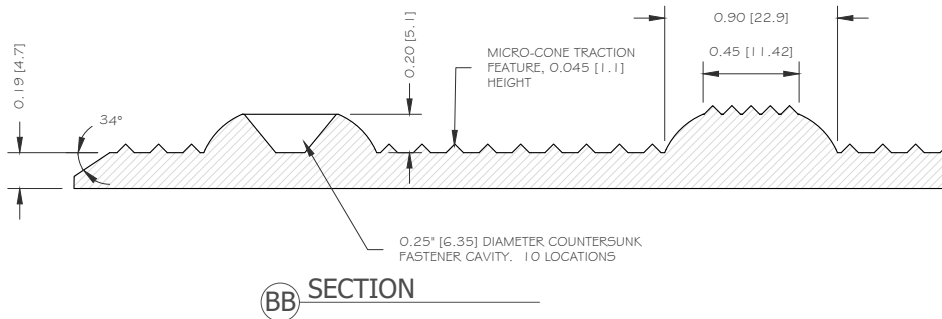
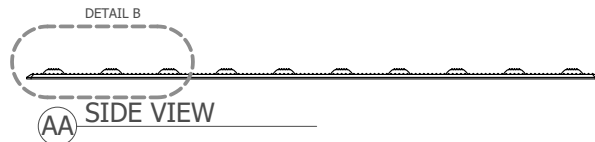
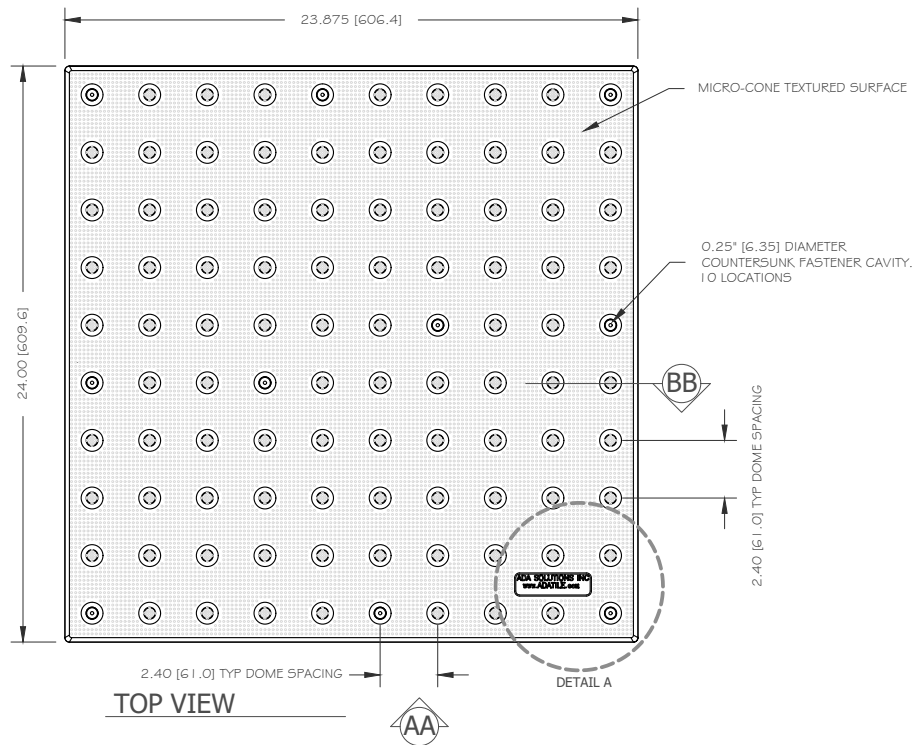
DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-DWS1212 Surface Applied

DATE  
 2022-06-10

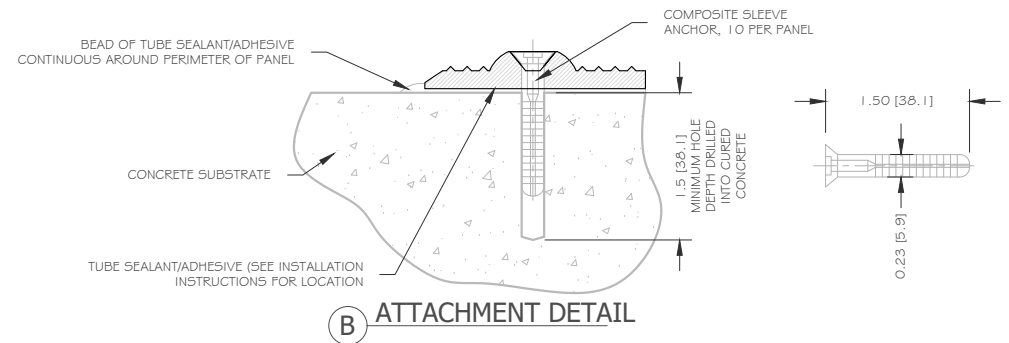
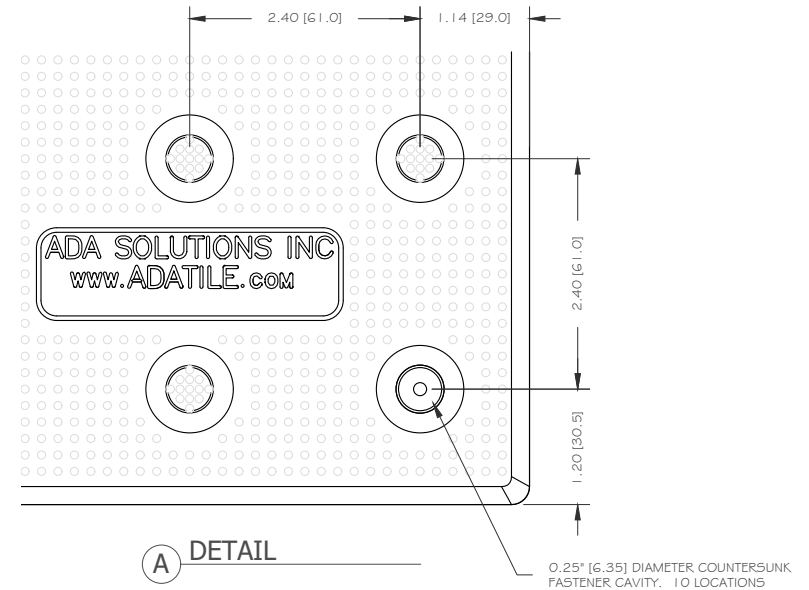
DRAWING UNITS  
 INCHES [MM]

WEBSITE  
 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM





BOTTOM VIEW



DETECTABLE WARNING SURFACE PANEL  
**Surface Applied Panel 24 x 24**  
 PART SIZE: 24" (609.6 MM) X 23.875" (606.4 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION  
 TACTILE WALKING SURFACE INDICATORS

MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER  
 ADA-SURFAPP2424

DATE  
 2023-08-24

DRAWING UNITS  
 INCHES [MM]

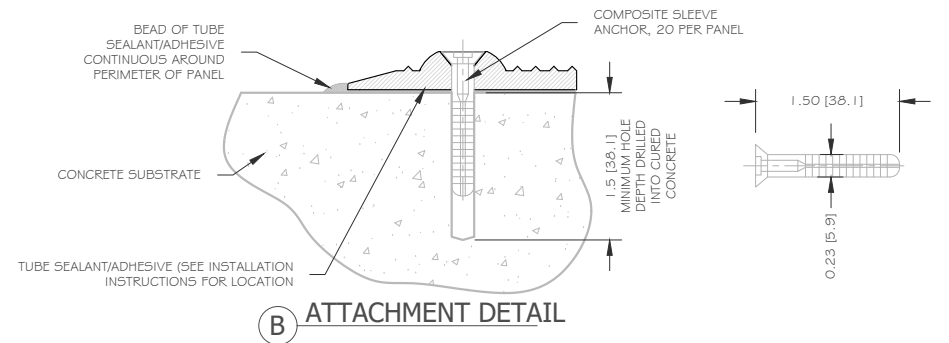
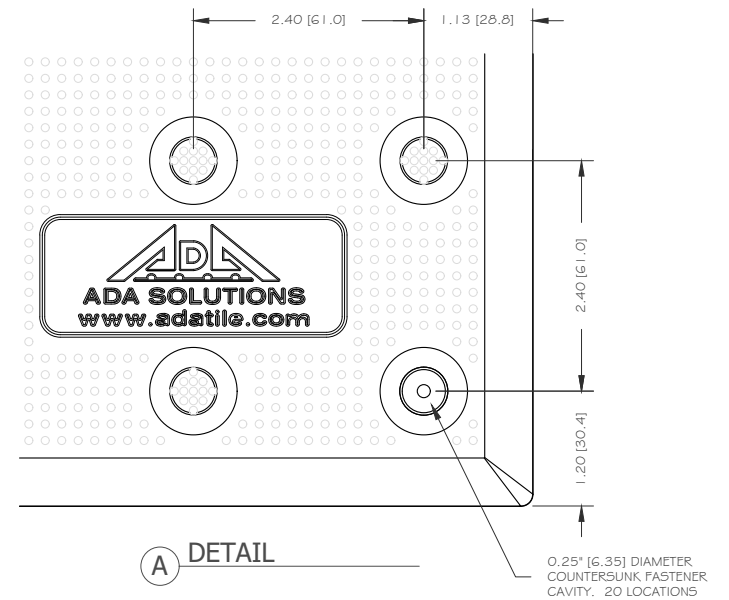
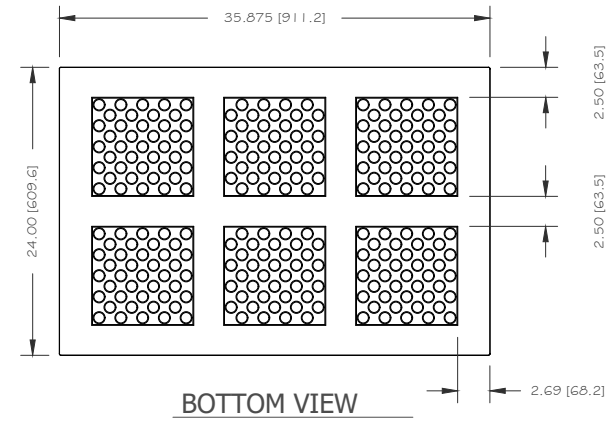
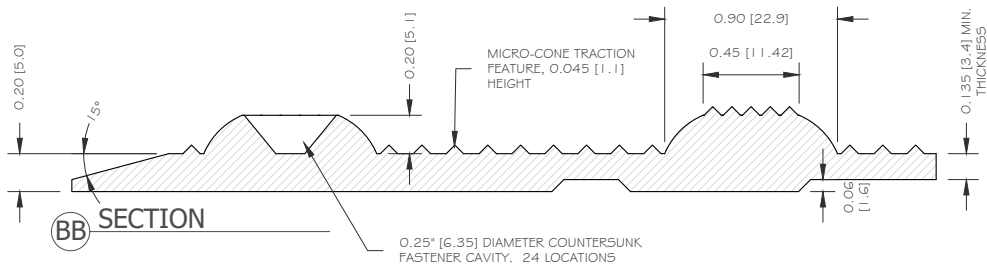
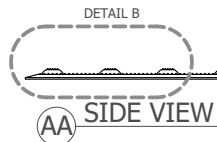
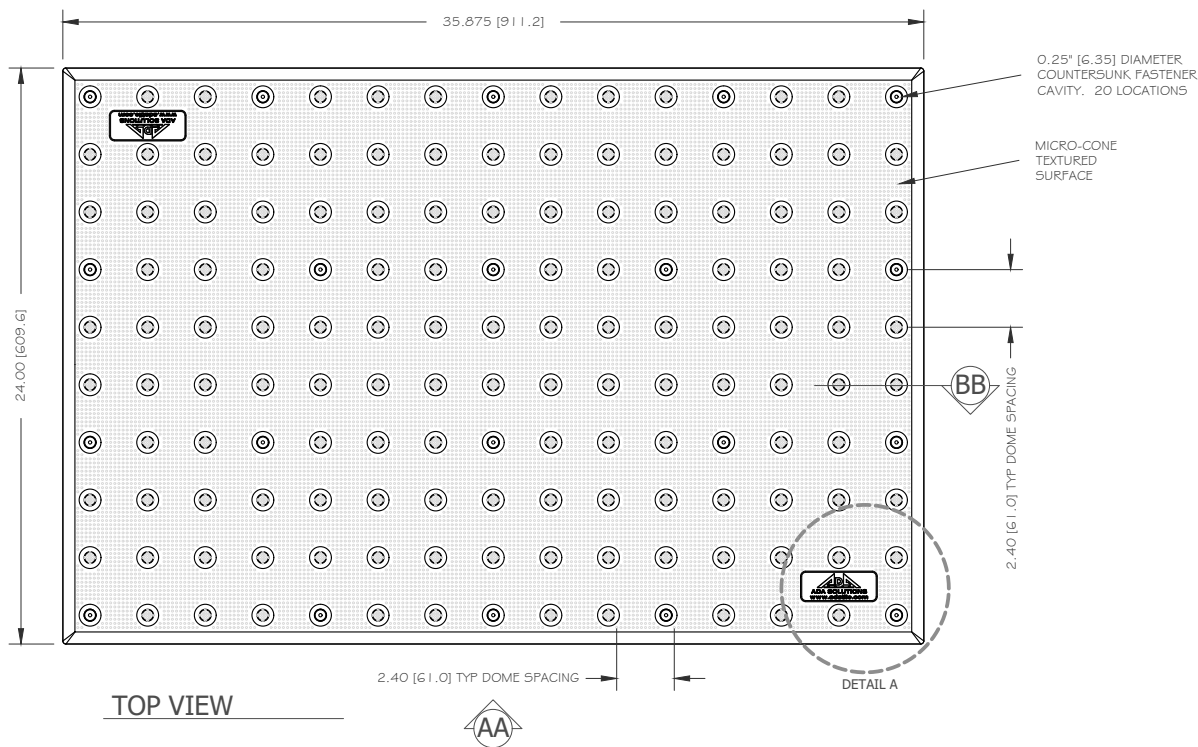
WEBSITE  
 ADATILE.COM

PHONE  
 1-800-372-0519

EMAIL  
 INFO@ADATILE.COM







DETECTABLE WARNING SURFACE PANEL  
**Surface Applied Panel 24 x 36**  
 PART SIZE: 24" (609.6 MM) X 35.875" (911.2 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-SURFAPP2436

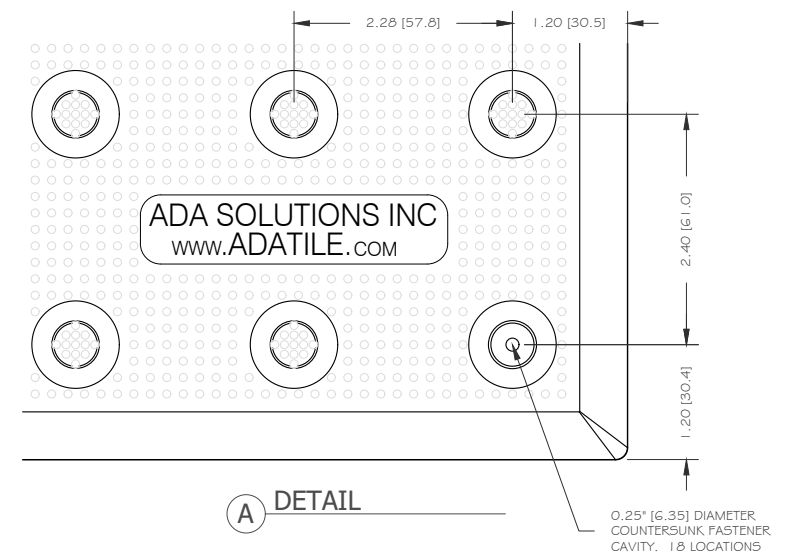
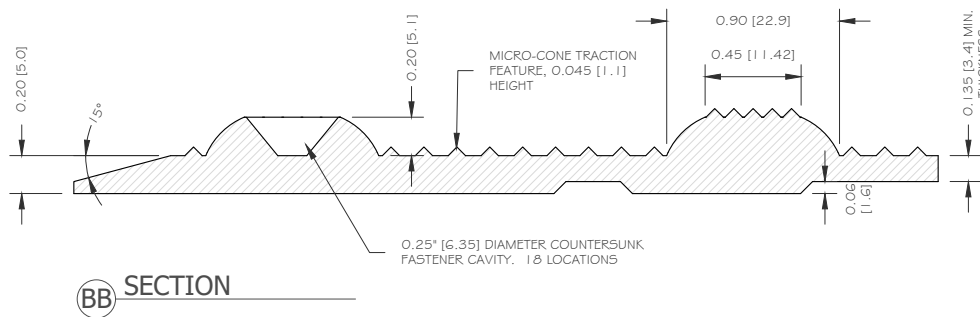
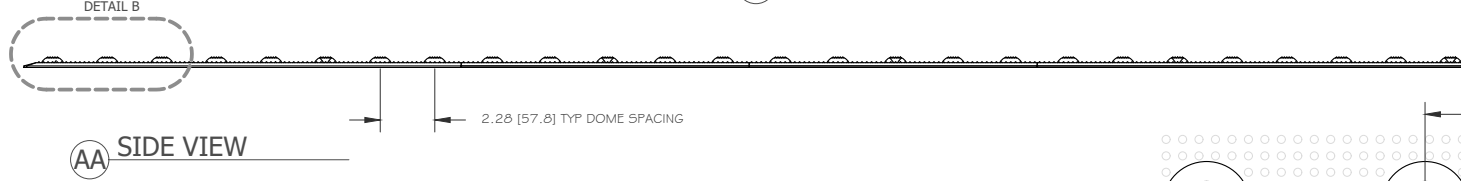
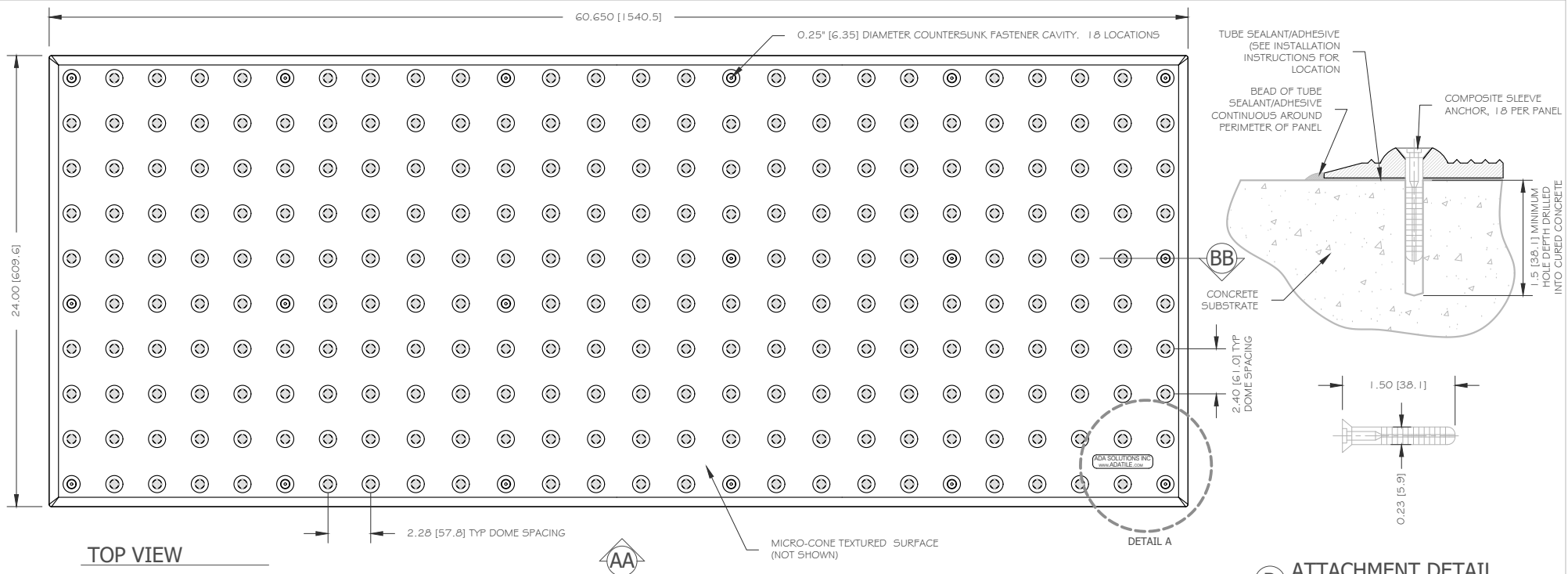
DATE  
 2023-08-23

DRAWING UNITS  
 INCHES [MM]

WEBSITE  
 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM







DETECTABLE WARNING SURFACE PANEL

**Surface Applied Panel 24 x 60**

PART SIZE: 24" (609.6 MM) X 60.65" (1,540.51 MM)

2.28" (57.91 MM) X 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION  
TACTILE WALKING SURFACE INDICATORS

MATERIAL  
FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER  
ADA-SURFAPP2460

DATE  
2023-09-06

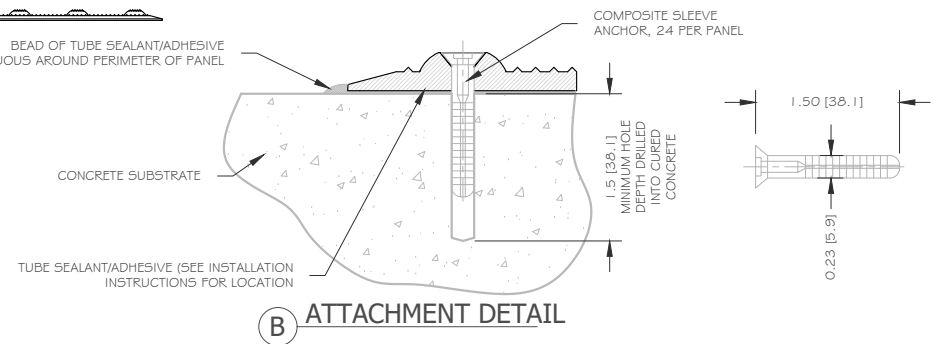
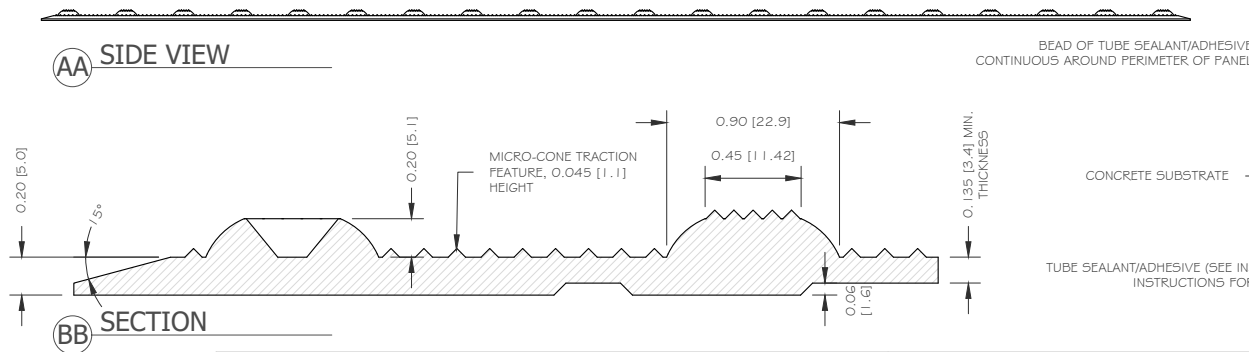
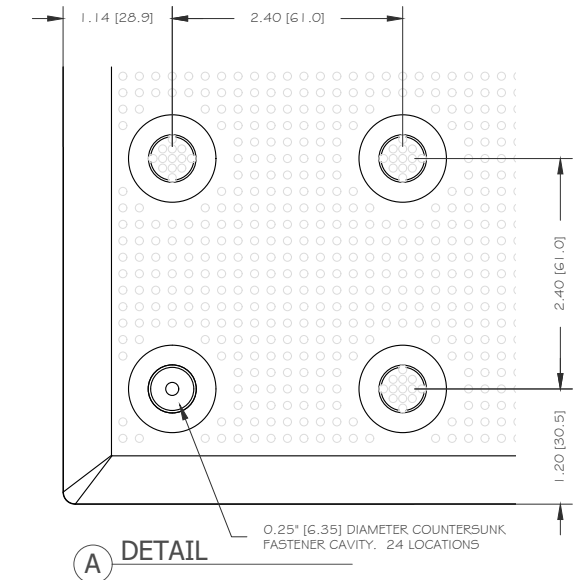
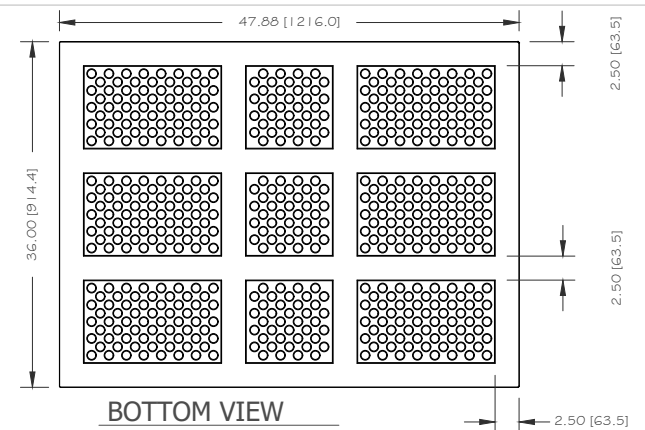
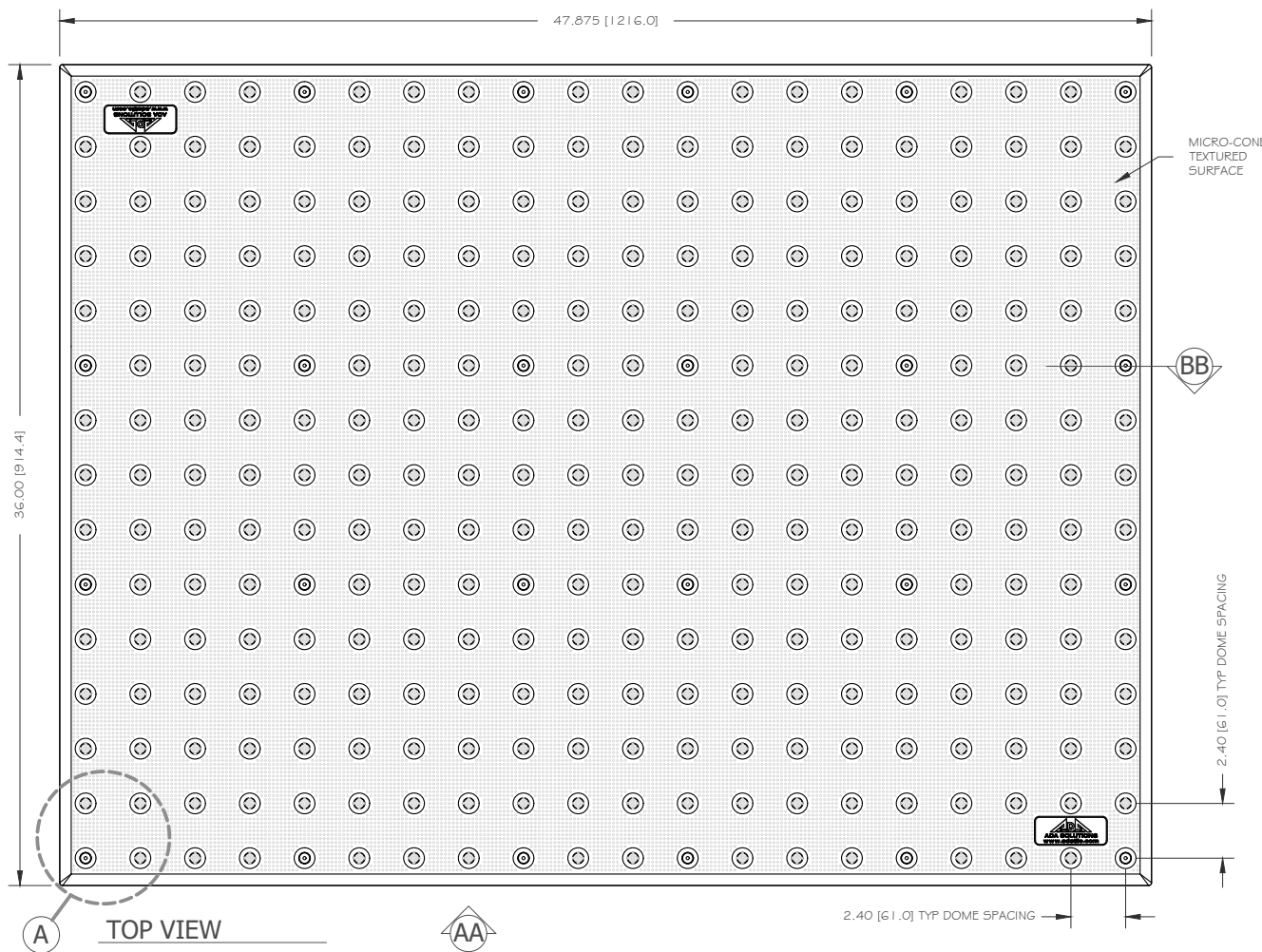
DRAWING UNITS  
INCHES [MM]

WEBSITE  
ADATILE.COM

PHONE  
1-800-372-0519

EMAIL  
INFO@ADATILE.COM





DETECTABLE WARNING SURFACE PANEL  
**Surface Applied Panel 36 x 48**  
 PART SIZE: 36" (914.4 MM) X 47.875" (1,216 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

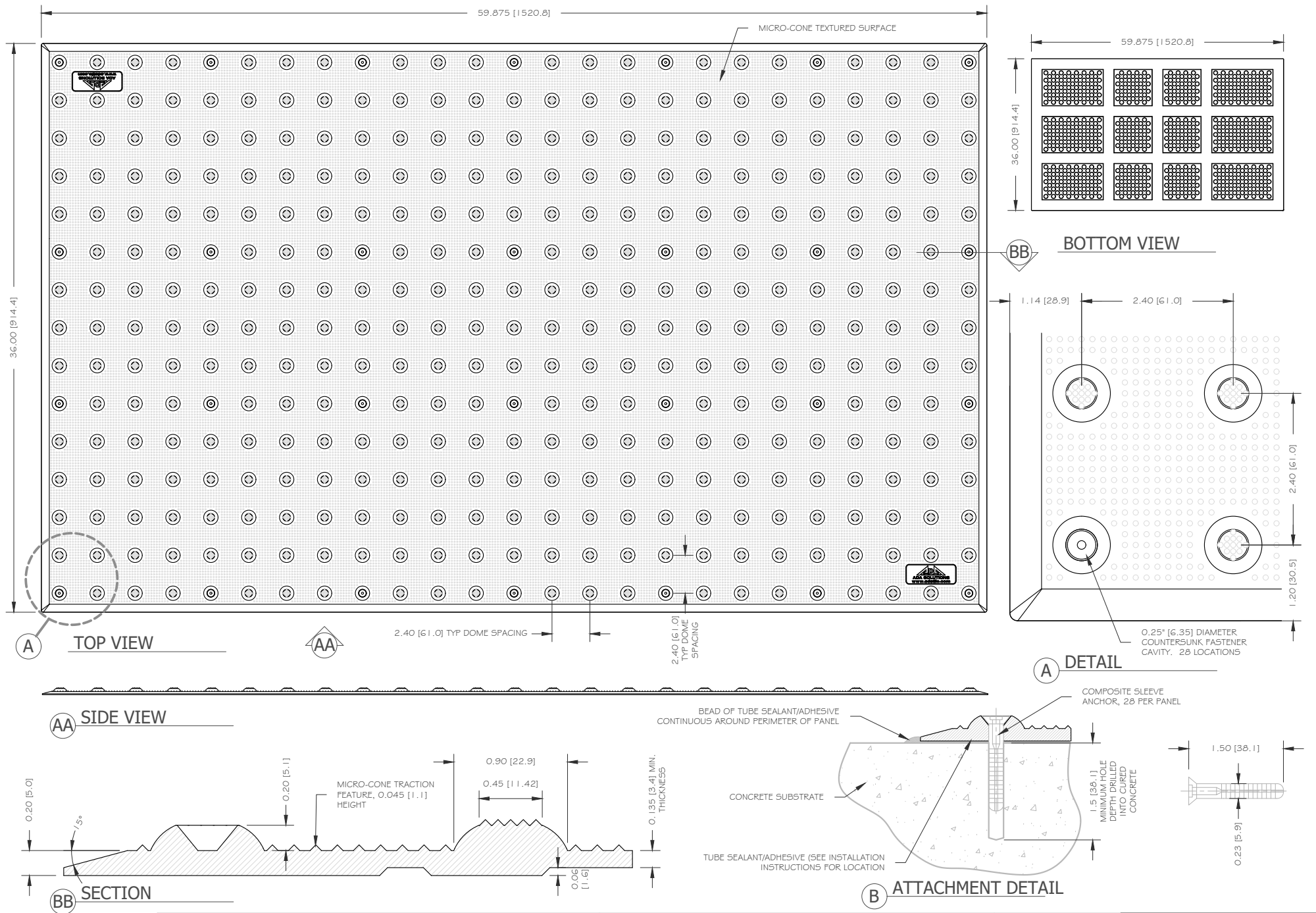
DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-SURFAPP3648

DATE  
 2023-03-15  
 DRAWING UNITS  
 INCHES [MM]

WEBSITE  
 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM







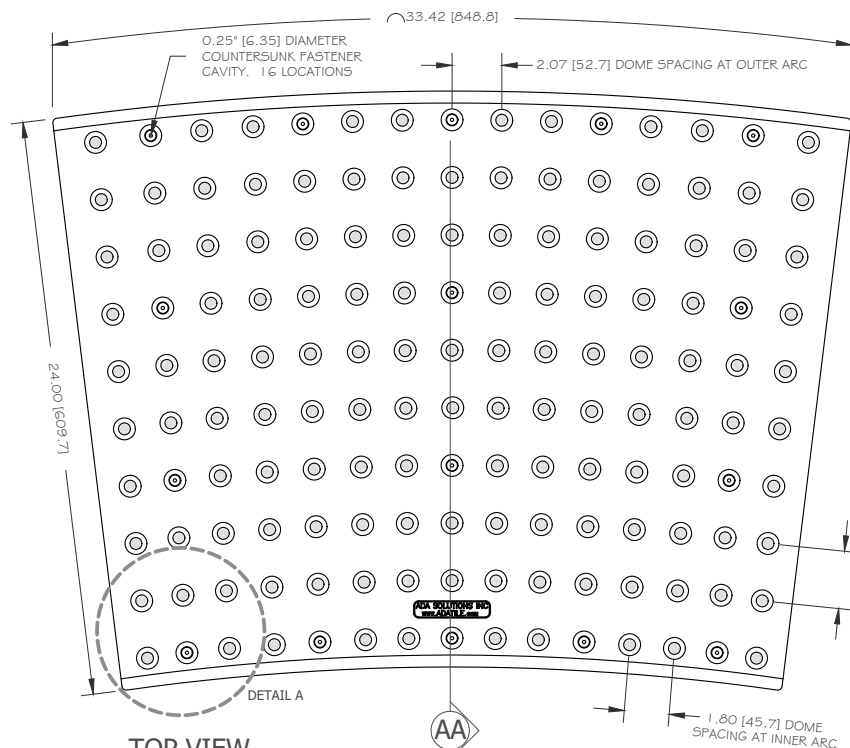
DETECTABLE WARNING SURFACE PANEL  
**Surface Applied Panel 36 x 60**  
 PART SIZE: 36" (914.4 MM) X 59.875" (1,520.8 MM)  
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-SURFAPP3660

DATE  
 2023-03-15  
 DRAWING UNITS  
 INCHES [MM]

WEBSITE  
 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM

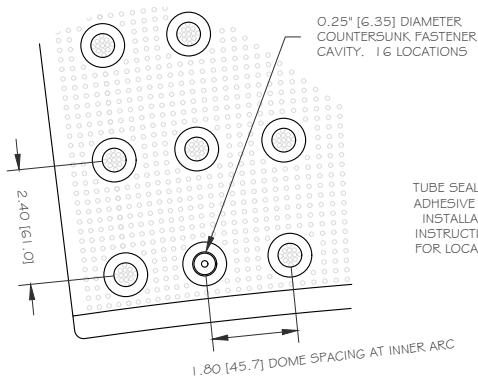




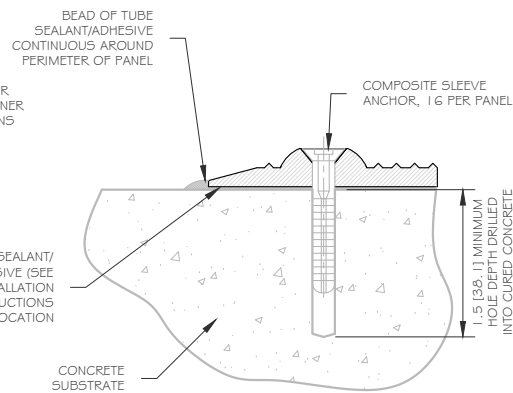
TOP VIEW



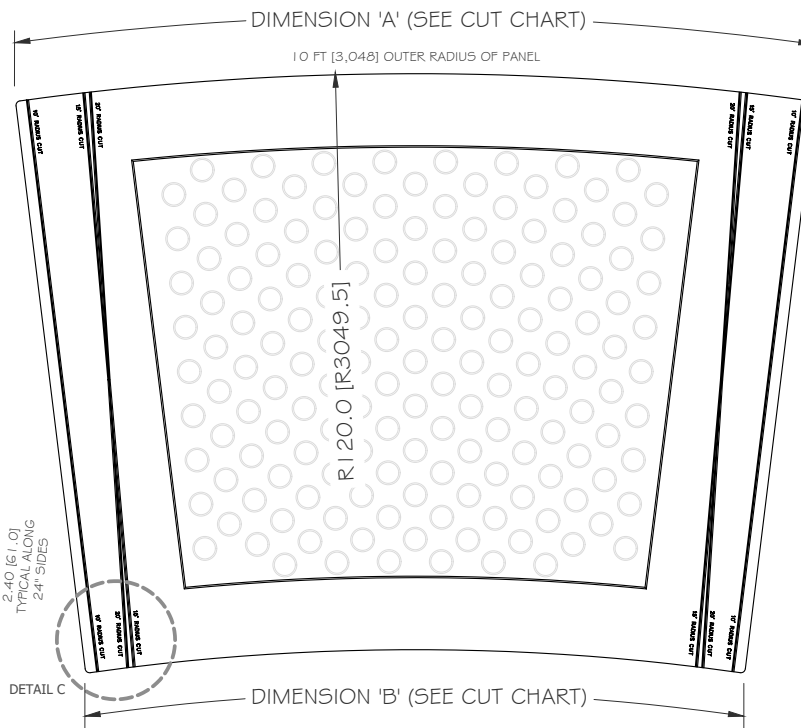
AA SECTION



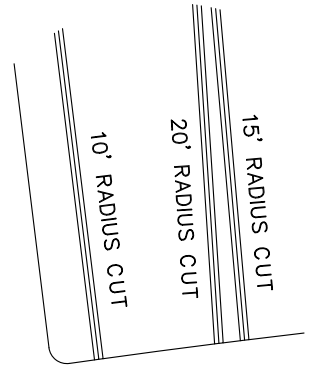
A DETAIL



ATTACHMENT DETAIL



FACTORY PROVIDED FIELD CUT LINES FOR 10', 15', AND 20' RADIUS



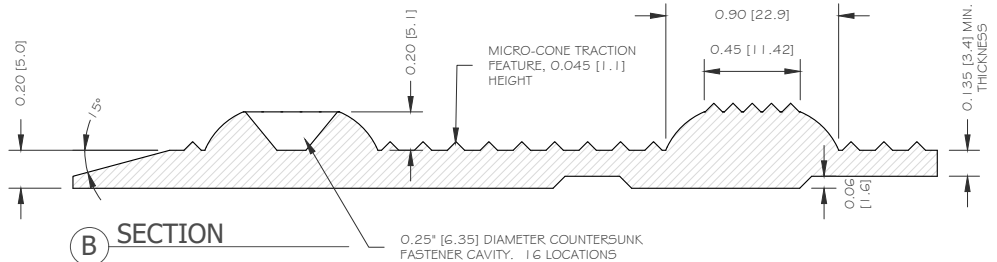
C ENLARGE VIEW

IMPERIAL UNIT CUT CHART

Curb Radius	'A' Dimension	'B' Dimension
10'	2' - 8 <sup>5</sup> / <sub>16</sub> "	2' - 2 <sup>7</sup> / <sub>16</sub> "
15'	2' - 3 <sup>5</sup> / <sub>8</sub> "	1' - 11 <sup>7</sup> / <sub>16</sub> "
20'	2' - 3 <sup>1</sup> / <sub>16</sub> "	1' - 11 <sup>15</sup> / <sub>16</sub> "

METRIC UNIT CUT CHART

Curb Radius (m)	'A' Dimension (mm)	'B' Dimension (mm)
3.05	821	671
4.57	702	595
6.10	687	608



DETECTABLE WARNING SURFACE PANEL

## Surface Applied Radius Panel 24 x 33

PART SIZE: 24" (609.6 MM) X 33.42" (848.8 MM)

2.40" (60.96 MM) RADIAL ARRAY TRUNCATED DOME SPACING

DOME SPACING WITHIN MINIMUM AND MAXIMUM GUIDELINES

DIVISION

TACTILE WALKING SURFACE INDICATORS

MATERIAL

FIBERGLASS REINFORCED POLYMER COMPOSITE SMC

DRAWING NUMBER

ADA-SURFAPPRAD2433

DATE

2023-09-06

DRAWING UNITS

INCHES [MM]

WEBSITE

ADATILE.COM

PHONE

1-800-372-0519

EMAIL

INFO@ADATILE.COM



# IRON DOME: CAST IRON PLATE

## CAST-IN-PLACE

**Iron Dome plates** are cast iron Detectable Warning Surface plates designed for the most extreme pedestrian environments. These gray iron castings are extremely durable and provide significant damage resistance against common snow removal equipment. Iron Dome plates are “wet-set” into newly poured concrete and become permanently bonded to the concrete substrate. The plates are fully compliant with ADA dimensional requirements. Various plates sizes are available to accommodate most standard sidewalk widths. Tapered wedge plates are available for installations requiring a radius application.

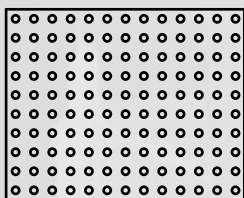
- Wet-set installation
- Natural (bare) finish develops red oxide patina
- Made in the USA
- Slip-resistant textured surface



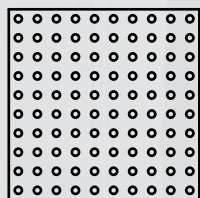
Iron Dome plates are available in several standard powder-coated colors. Contact ADA Solutions for additional information and availability.

### PANEL SIZES

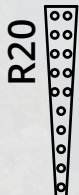
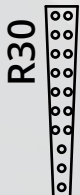
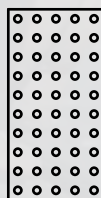
24" x 30"



24" x 24"



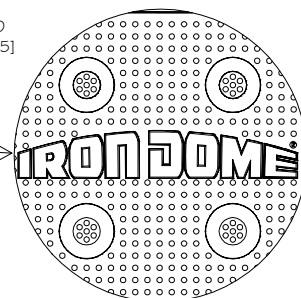
24" x 12"



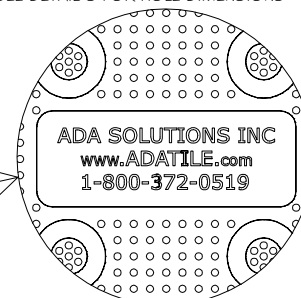
Iron Dome plates are available in multiple rectangular sizes as well as tapered wedge shapes for constructing a radius installation.



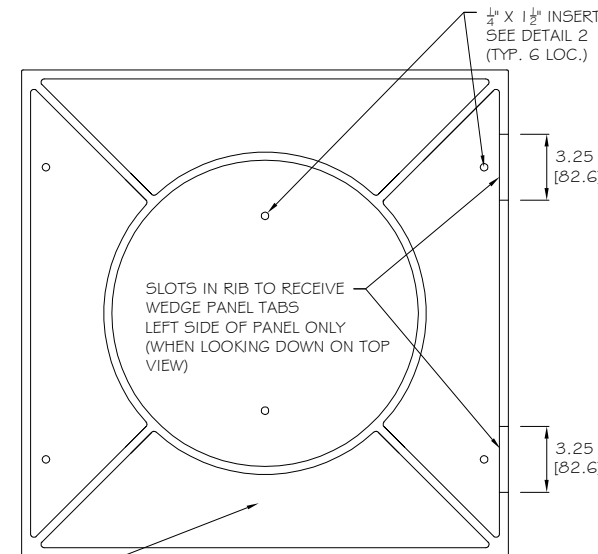




- 1/4" SS EXTRA WIDE TRUSS HEAD PHILLIPS SCREW  
X 1 1/2" LONG INTO 1/4" X 1 1/2" INSERT  
SEE DETAIL 2 (TYP. 6 LOC.)  
SEE DETAIL 3 FOR HOLE DIMENSIONS



RECESSED FOUNDRY LOGO,  
CAVITY NUMBER  
AND CAST DATE



2.50 [63.5]  
SLOT IN RIB

24.00 [609.6]  
+0.03/-0.06

**SECTION A**

SLOTS IN RIB TO RECEIVE  
WEDGE PANEL TABS  
2 ON LEFT SIDE OF PANEL  
LINED UP WITH ANCHOR HOLES

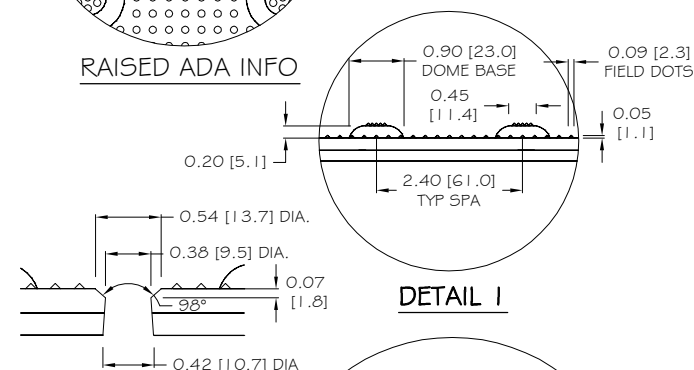
DETAIL 1

9.60 [243.8]

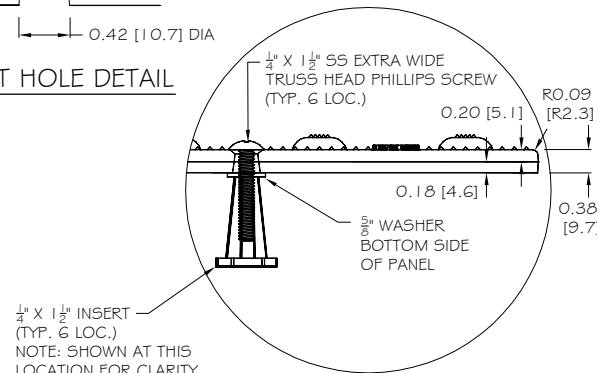
**SECTION B**

DETAIL 2

3) UNSPECIFIED FILLET R=0.04" MAXIMUM



INSERT HOLE DETAIL

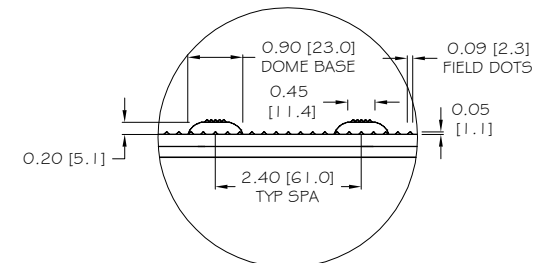
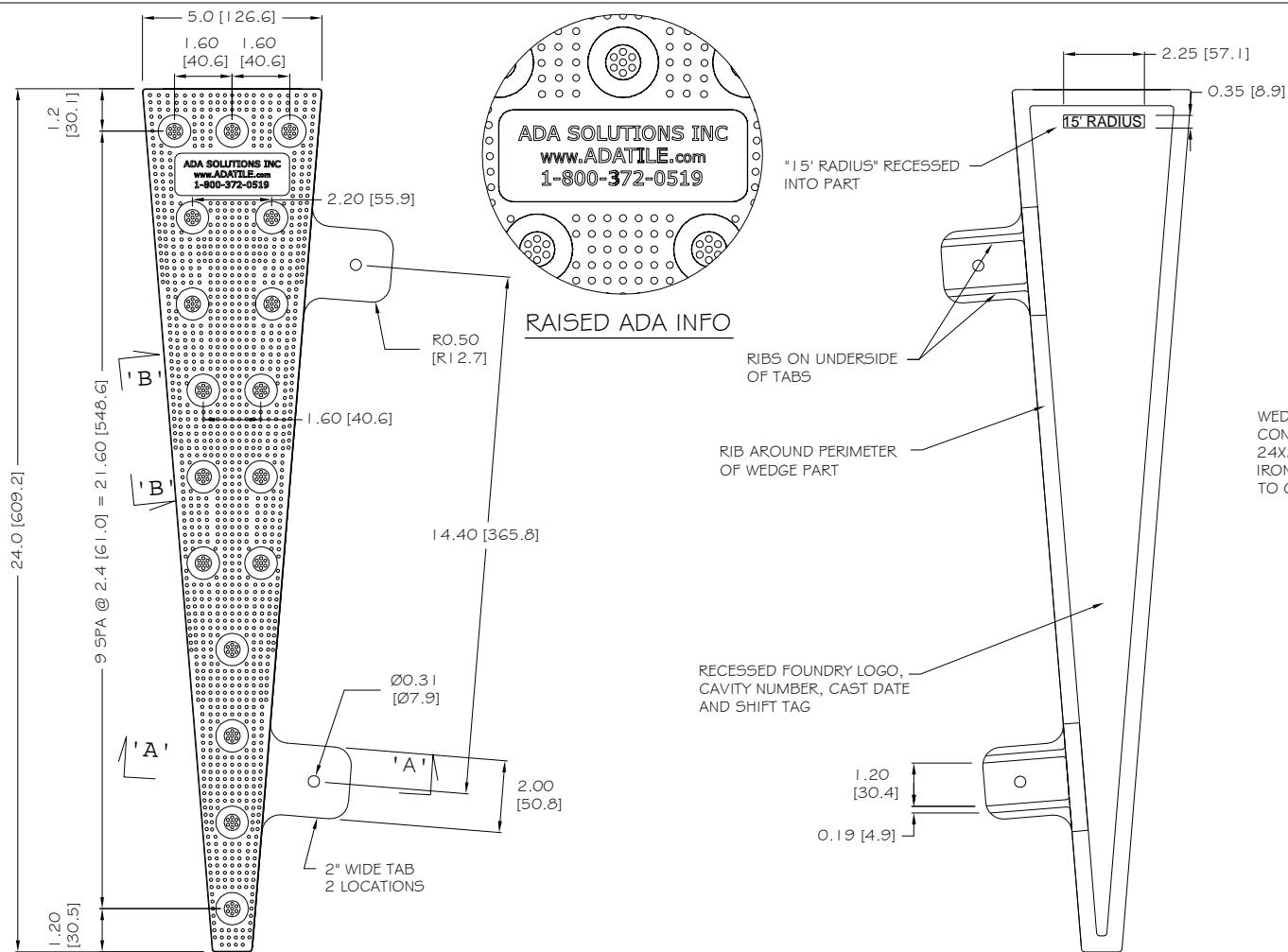


DETAIL 2

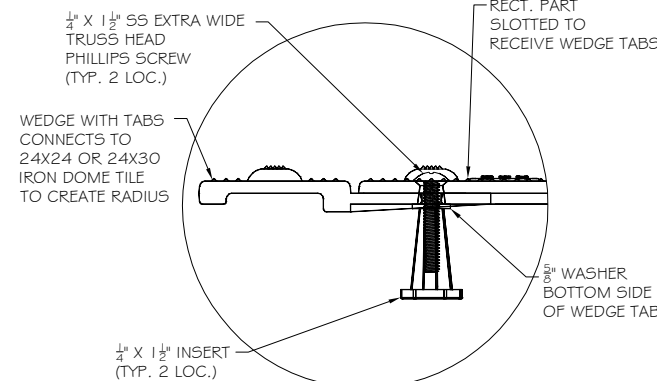
EMAIL: INFO@ADATILE.COM







### SECTION B-B



### CONNECTION DETAIL

NOTE: PRIMARY DIMENSION INCHES  
mm IN PARENTHESES

ALL DIMENSIONS NOMINAL

TRADE TACTILE WARNING SURFACE	PART NO. 15' WEDGE IRON DOME
MATERIAL CAST IRON	

### PROJECT

**iron dome®**

REPLACEABLE TACTILE

WARNING SURFACE UNIT

15' RADIUS WEDGE

PART SIZE 5" (127mm) X 24" (610mm)

PLANS AND DETAILS

DRAWING NO. ADA-REP_CI15WEDGE	REV A	DATE 06-19-18
----------------------------------	----------	------------------

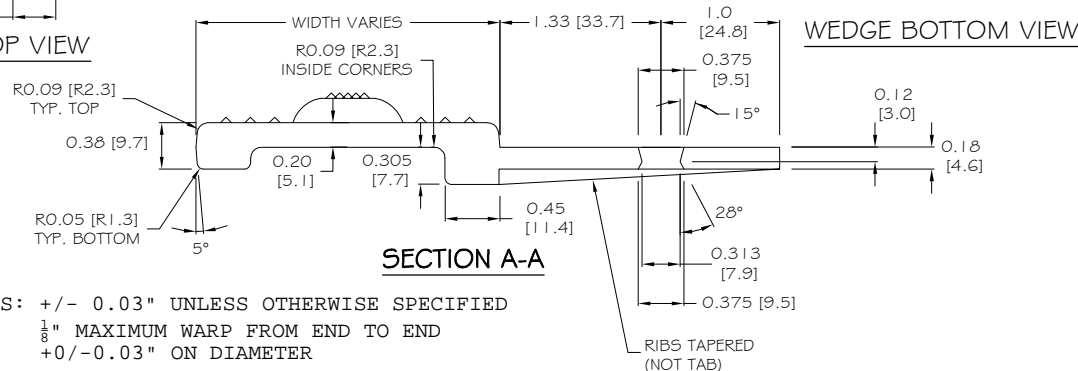


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PHONE: (800)372-0519

EMAIL: INFO@ADATILE.COM

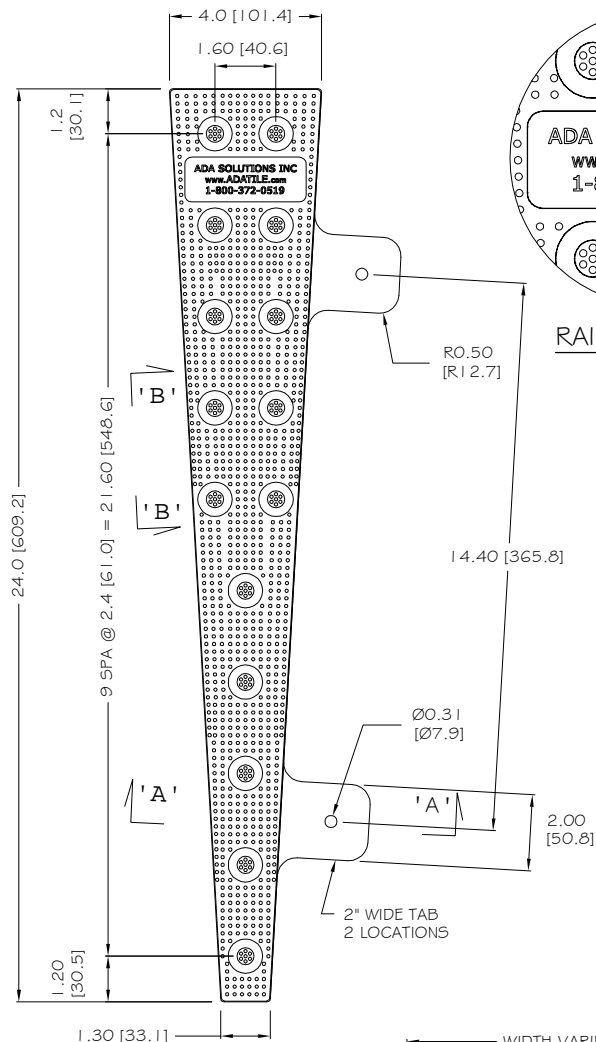
### TOP VIEW



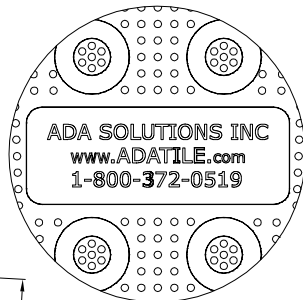
### SECTION A-A

#### NOTES:

- 1) CASTING TOLERANCES: +/- 0.03" UNLESS OTHERWISE SPECIFIED  
1/8" MAXIMUM WARP FROM END TO END
- 2) HOLE TOLERANCES: +0/-0.03" ON DIAMETER
- 3) MATERIAL: METAL SPECIFICATION ASTM A159 G3000 CAST IRON
- 4) UNSPECIFIED FILLET R=.08" MAXIMUM



TOP VIEW



RAISED ADA INFO

"20' RADIUS" RECESSED INTO PART

RIBS ON UNDERSIDE OF TABS

RIB AROUND PERIMETER OF WEDGE PART

RECESSED FOUNDRY LOGO, CAVITY NUMBER, CAST DATE AND SHIFT TAG

1.20 [30.4]  
0.19 [4.9]

2" WIDE TAB  
2 LOCATIONS

RO.09 [R2.3]  
TYP. TOP

0.38 [9.7]

RO.05 [R1.3]  
TYP. BOTTOM

5°

WIDTH VARIES

RO.09 [R2.3]  
INSIDE CORNERS

1.33 [33.7]

1.0 [24.8]

0.375 [9.5]

15°

0.12 [3.0]

0.18 [4.6]

0.45 [11.4]

28°

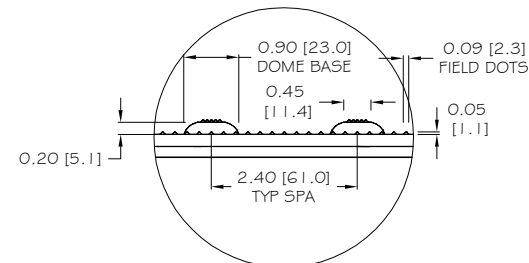
0.313 [7.9]

0.375 [9.5]

SECTION A-A

RIBS TAPERED (NOT TAB)

WEDGE BOTTOM VIEW



SECTION B-B

1/4" X 1 1/2" SS EXTRA WIDE TRUSS HEAD PHILLIPS SCREW (TYP. 2 LOC.)

WEDGE WITH TABS CONNECTS TO 24X24 OR 24X30 IRON DOME TILE TO CREATE RADIUS

1/4" X 1 1/2" INSERT (TYP. 2 LOC.)

RECT. PART SLOTTED TO RECEIVE WEDGE TABS

5/8" WASHER  
BOTTOM SIDE OF WEDGE TAE

CONNECTION DETAIL

NOTE: PRIMARY DIMENSION INCHES  
mm IN PARENTHESES

ALL DIMENSIONS NOMINAL

TRADE TACTILE WARNING SURFACE	PART NO. 20' WEDGE IRON DOME
MATERIAL CAST IRON	

## PROJECT

**iron dome®**

REPLACEABLE TACTILE

WARNING SURFACE UNIT

20' RADIUS WEDGE

PART SIZE 4" (102mm) X 24" (610mm)

PLANS AND DETAILS

DRAWING NO. ADA-REP_CI20WEDGE	REV A	DATE 06-04-18
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PHONE: (800)372-0519

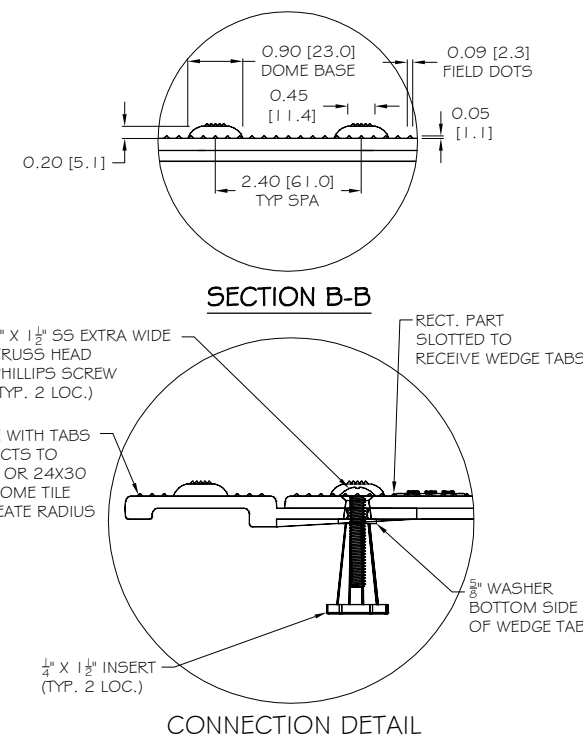
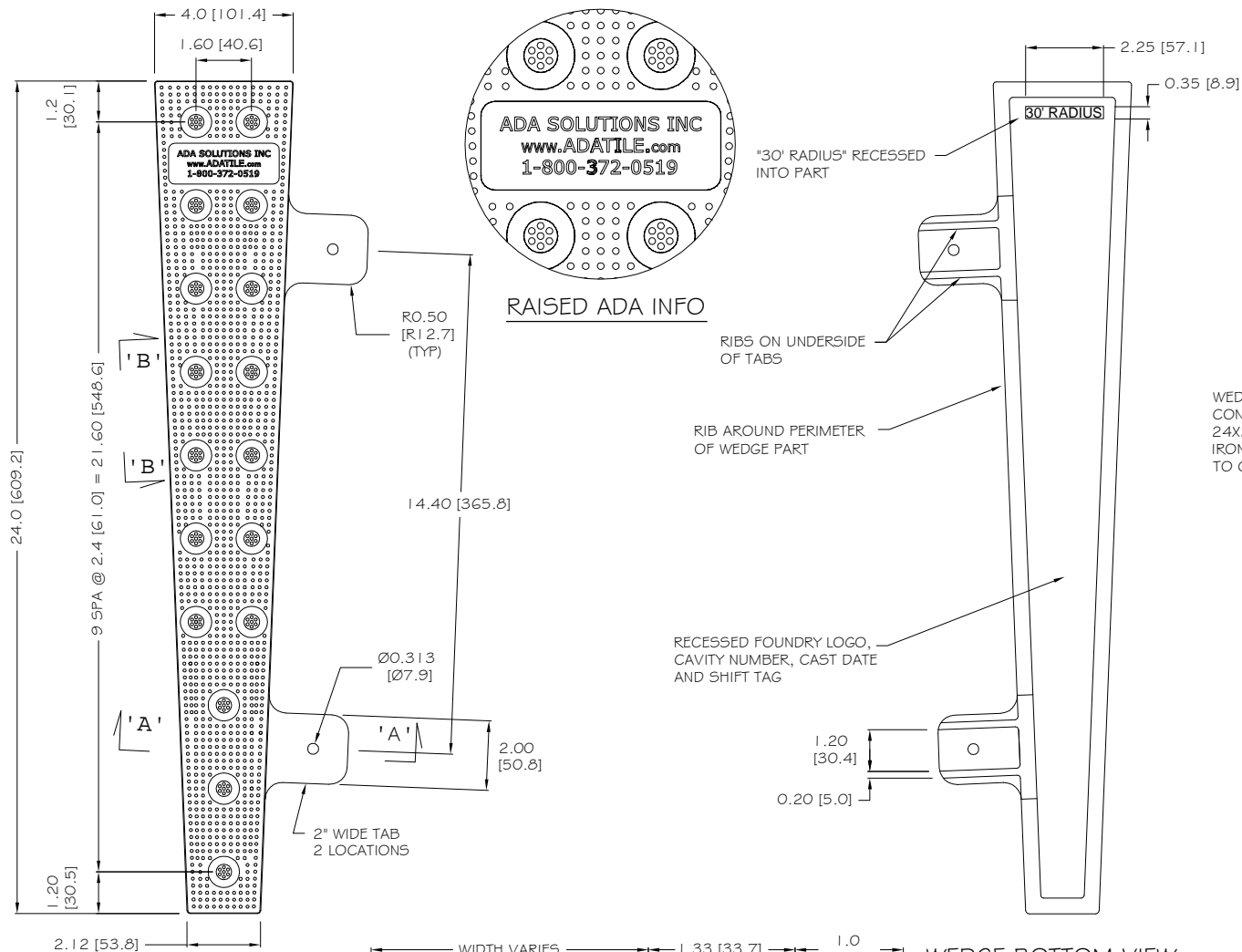
EMAIL: INFO@ADATILE.COM

## NOTES:

- 1) CASTING TOLERANCES: +/- 0.03" UNLESS OTHERWISE SPECIFIED  
1/8" MAXIMUM WARP FROM END TO END
- 2) HOLE TOLERANCES: +0/-0.03" ON DIAMETER
- 3) MATERIAL: METAL SPECIFICATION ASTM A159 G3000 CAST IRON
- 4) UNSPECIFIED FILLET R=.08" MAXIMUM

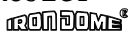






NOTE: PRIMARY DIMENSION INCHES  
mm IN PARENTHESES  
ALL DIMENSIONS NOMINAL

TRADE TACTILE WARNING SURFACE	PART NO. 30' WEDGE IRON DOME
MATERIAL CAST IRON	

**PROJECT**  
  
 REPLACEABLE TACTILE  
 WARNING SURFACE UNIT  
 30' RADIUS WEDGE  
 PART SIZE 4" (102mm) X 24" (610mm)  
 PLANS AND DETAILS

DRAWING NO. ADA-REP_CI30WEDGE	REV C	DATE 05-03-18
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 PHONE: (800)372-0519  
 EMAIL: INFO@ADATILE.COM

- NOTES:
- 1) CASTING TOLERANCES:  $\pm 0.03$ " UNLESS OTHERWISE SPECIFIED  
 $\frac{1}{8}$ " MAXIMUM WARP FROM END TO END
  - 2) HOLE TOLERANCES:  $+0/-0.03$ " ON DIAMETER
  - 3) MATERIAL: METAL SPECIFICATION ASTM A159 G3000 CAST IRON
  - 4) UNSPECIFIED FILLET R=.08" MAXIMUM

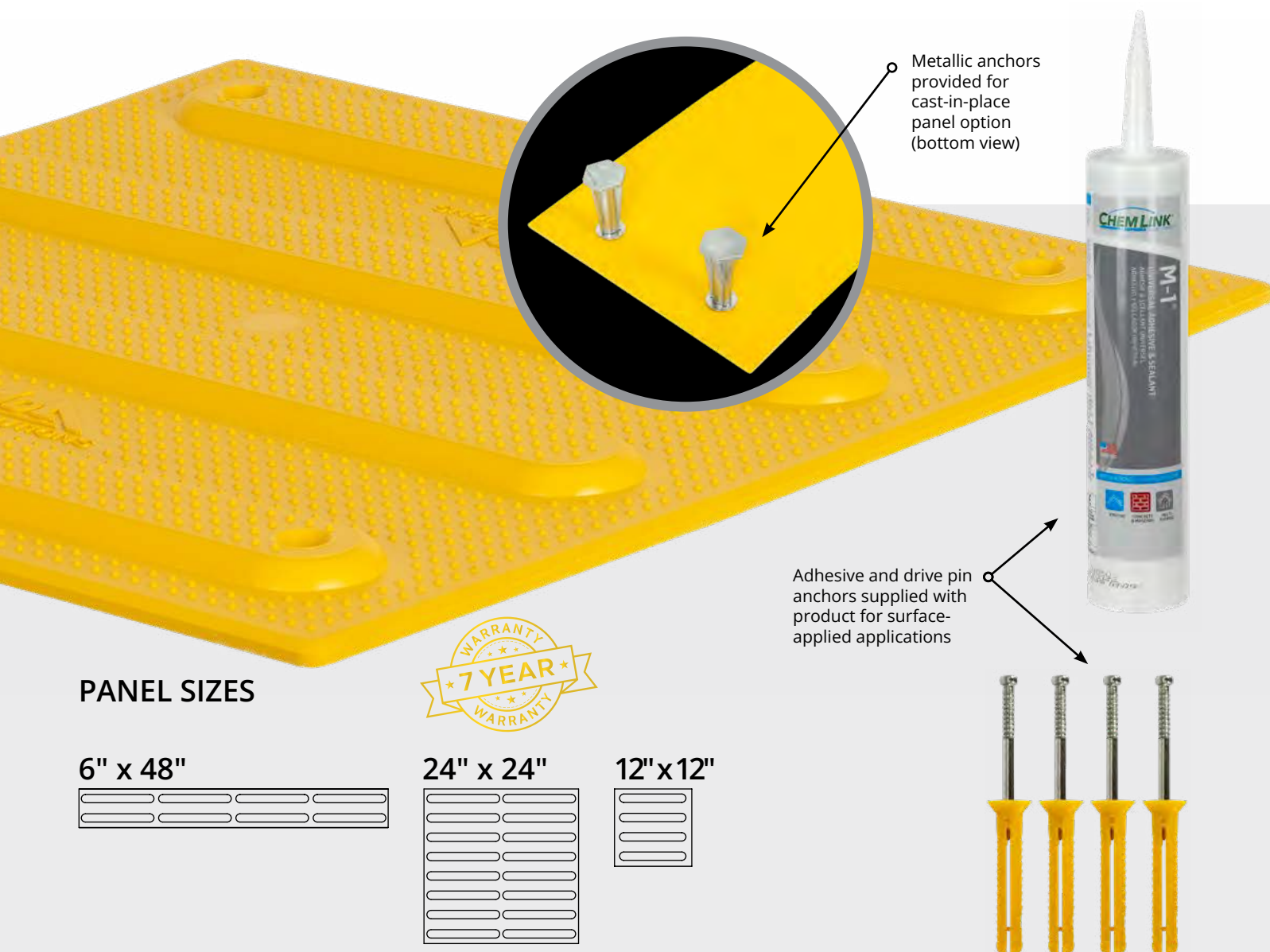
### SECTION A-A

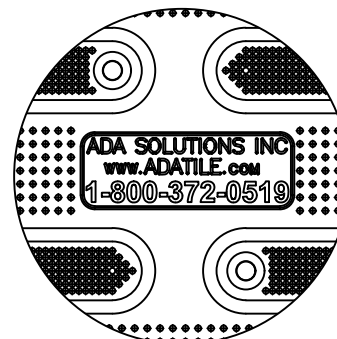
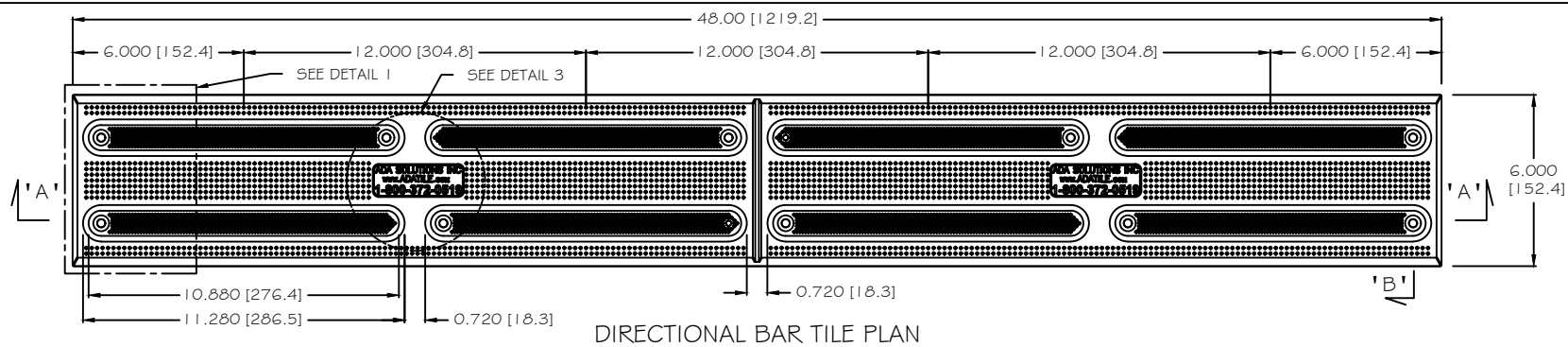
### WEDGE BOTTOM VIEW

# DIRECTIONAL BAR TILES

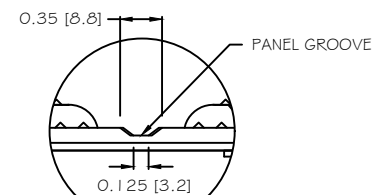
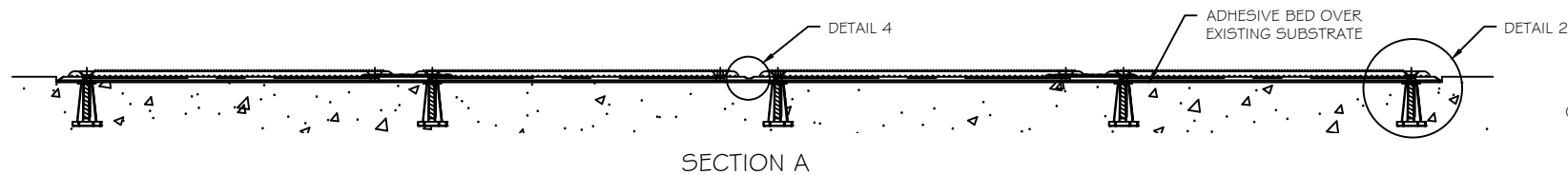
**Directional Bar Tiles** feature flat-topped elongated bars that provide a tactile surface for directional guidance or wayfinding. The bars are aligned with the direction of travel. Visually impaired pedestrians are provided pathway guidance by contact through handheld cane or through contact with foot. While technical and application guidance is still under development in the United States, many countries have requirements for directional bar tile for the public right of way. International Organization for Standardization (ISO) 23599 provides technical guidance for product dimensions and application.

Directional bar tile panels from ADA Solutions are available in several formats and sizes. Products are available for both cast-in-place (wet-set) and surface-applied installation methods. Complete wayfinding routes can be created in the field by combining directional bar tile pathways with detectable warning surface (truncated domes) panels as decision location markers and warning points.

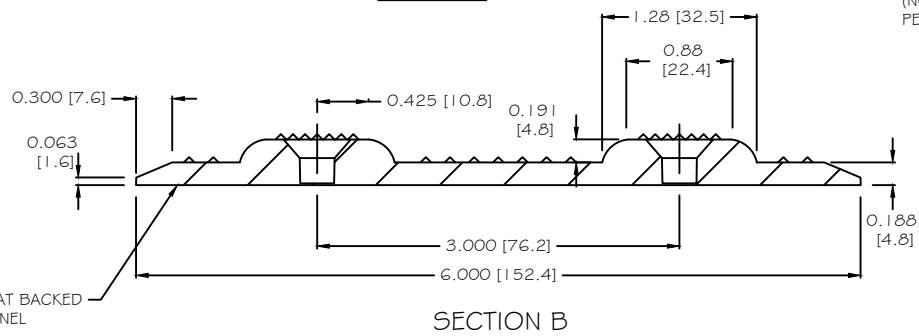
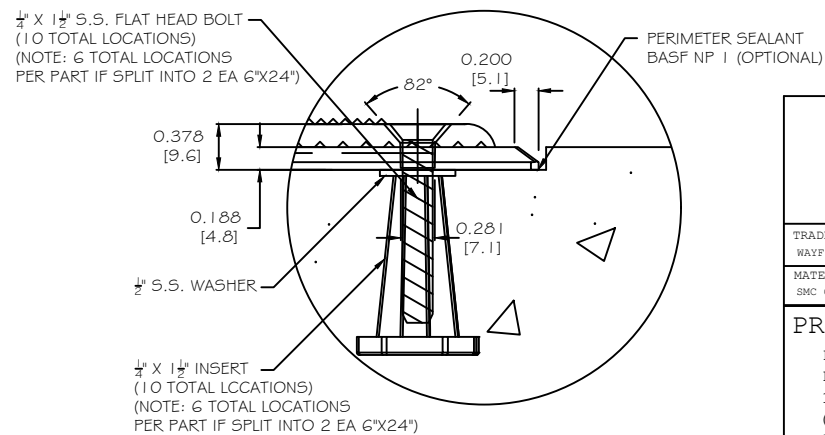
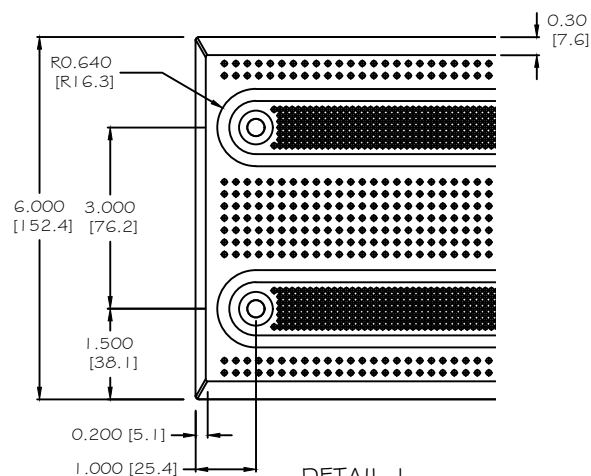




**DETAIL 3  
RAISED ADA LOGO**



**DETAIL 4**



ALL DIMENSIONS NOMINAL  
PRIMARY DIMENSION INCHES  
mm IN PARENTHESES

TRADE WAYFINDING TILE	PART NO. BARTILEREPNF648
MATERIAL SMC COMPOSITE	

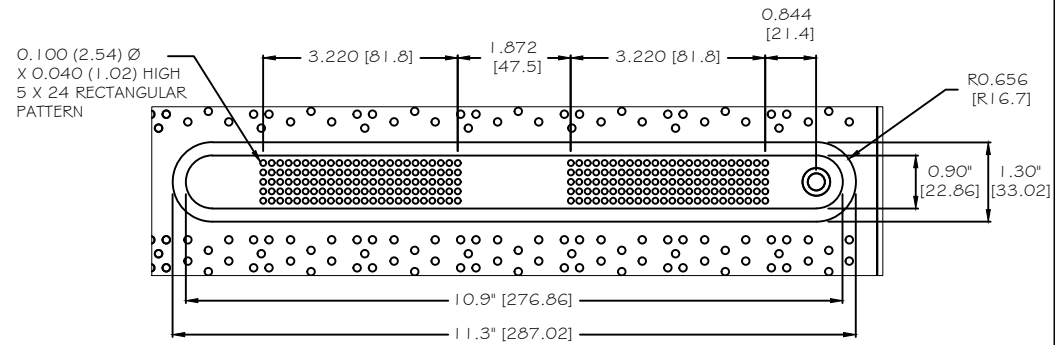
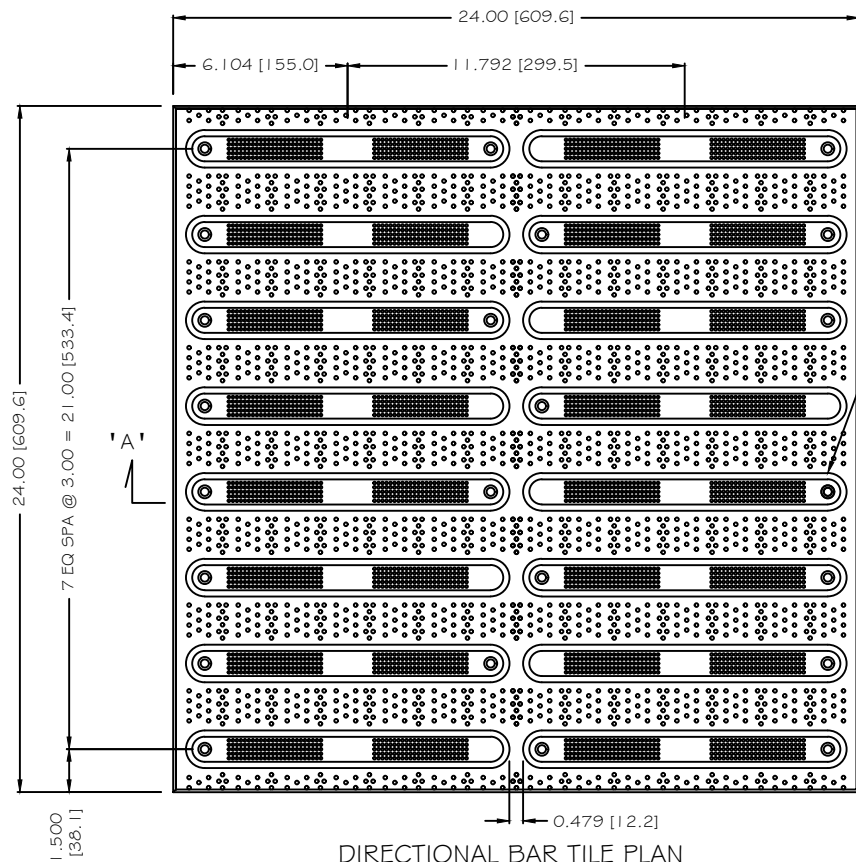
**PROJECT**

REPLACEABLE DIRECTIONAL BAR TILE  
PART SIZE: 6" x 48" (152mm x 1219mm)  
10 FASTENER LOCATIONS  
(6 FASTENER LOCATIONS FOR 6"X24" PART)  
PLANS AND DETAILS

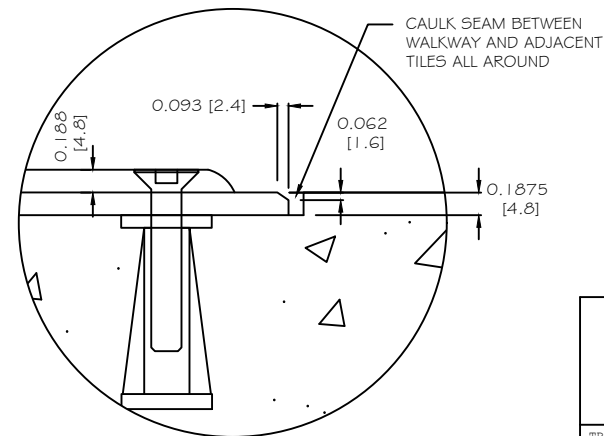
DRAWING NO. ADA-DGTNF_REP_648	DATE 2020-08-11
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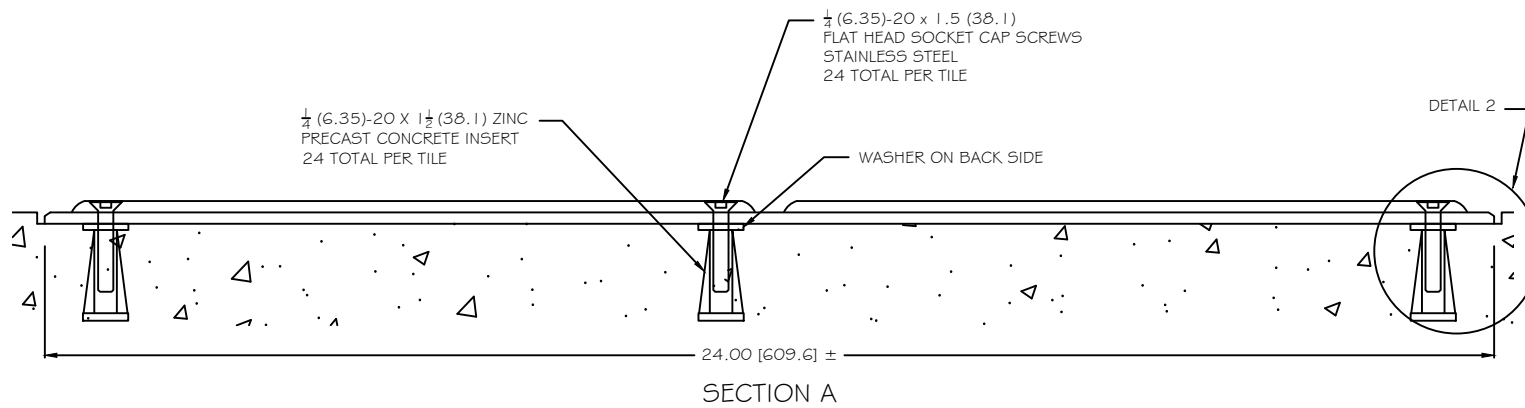
WWW.ADATILE.COM  
PHONE: (800) 372-0519  
EMAIL: ADA-Info@SureWerx.com



DETAIL 1



DETAIL 2



ALL DIMENSIONS NOMINAL  
PRIMARY DIMENSION INCHES  
mm IN PARENTHESES

TRADE WAYFINDING TILE	PART NO. BARTILERE2424
MATERIAL SMC COMPOSITE	

#### PROJECT

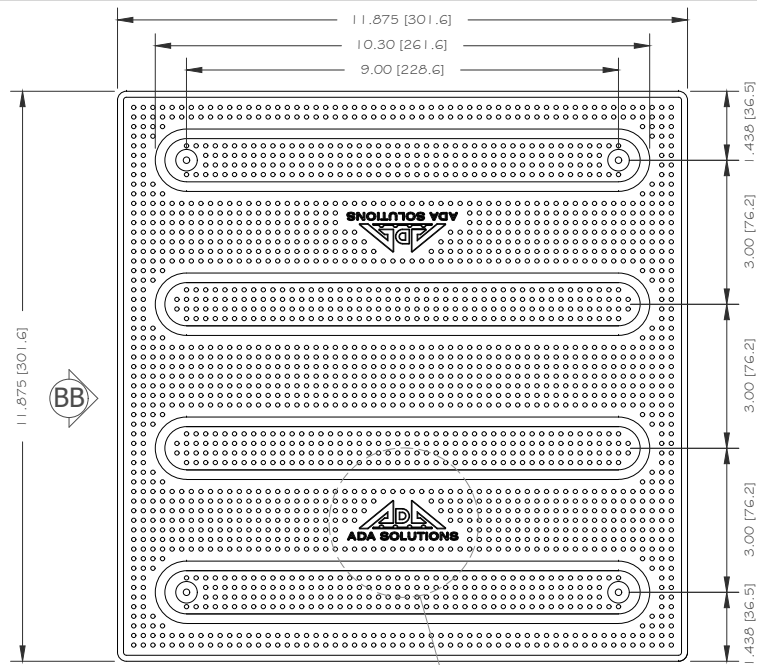
REP DIRECTIONAL BAR TILE  
PART SIZE: 24" x 24" (610mm x 610mm)  
24-BOLT LOCATIONS  
0.1875 (4.8) BODY THICKNESS  
PLANS AND DETAILS

DRAWING NO. ADA-DGTREP_2424	DATE 2020-08-11
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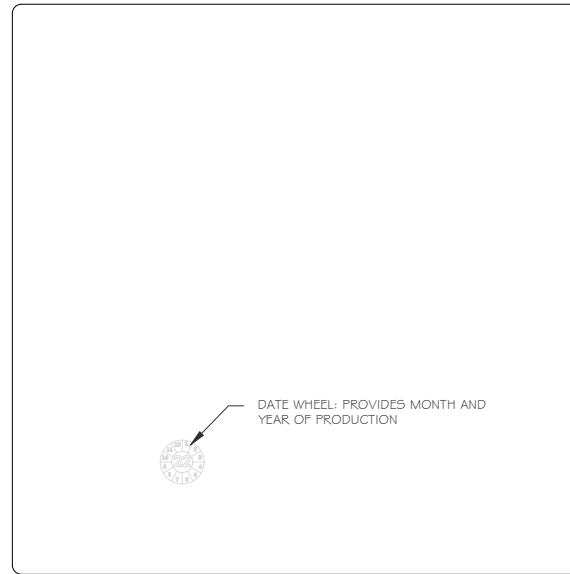


WWW.ADATILE.COM  
PHONE: (800) 372-0519  
EMAIL: ADA-Info@SureWerx.com

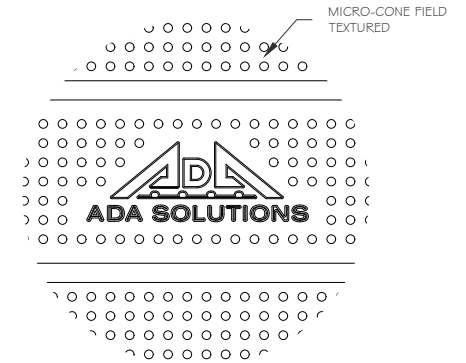




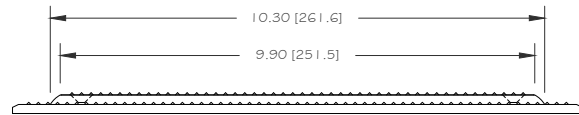
TOP VIEW



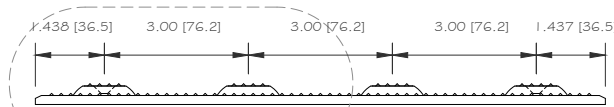
BOTTOM VIEW



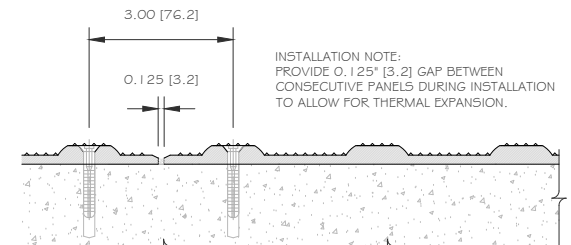
A LOGO DETAIL



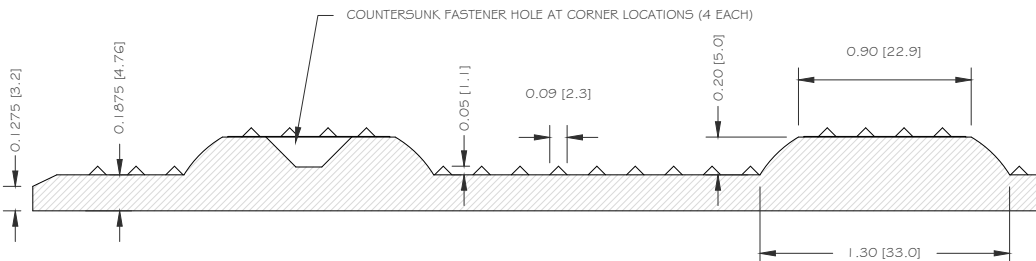
AA SIDE VIEW



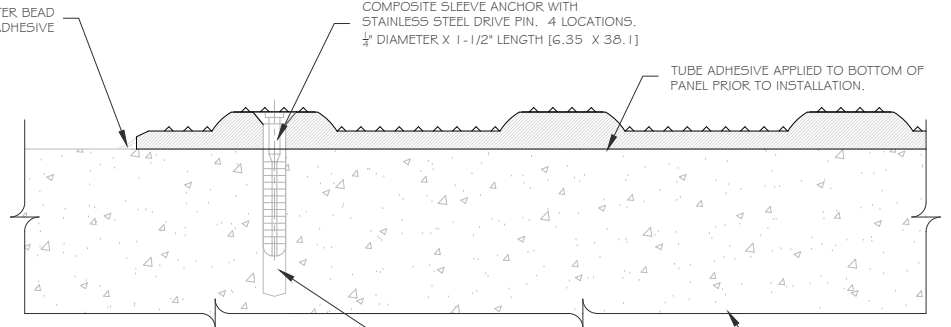
BB END VIEW



B INSTALLATION IN SERIES  
(DIRECTIONAL ORIENTATION OF BARS MAY VARY)



C SECTION DETAIL



D INSTALLED DETAIL

DIRECTIONAL WAYFINDING PANEL  
**12" x 12" Surf. Applied Directional Guide Tile**  
 PART SIZE: 11.875" (301.62 MM) X 11.875" (301.62 MM)  
 3.00" (76.2 MM) DIRECTIONAL BAR SPACING

DIVISION  
 TACTILE WALKING SURFACE INDICATORS  
 MATERIAL  
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC  
 DRAWING NUMBER  
 ADA-BAR1212 Surface Applied

DATE  
 2022-06-10

DRAWING UNITS  
 INCHES [MM]

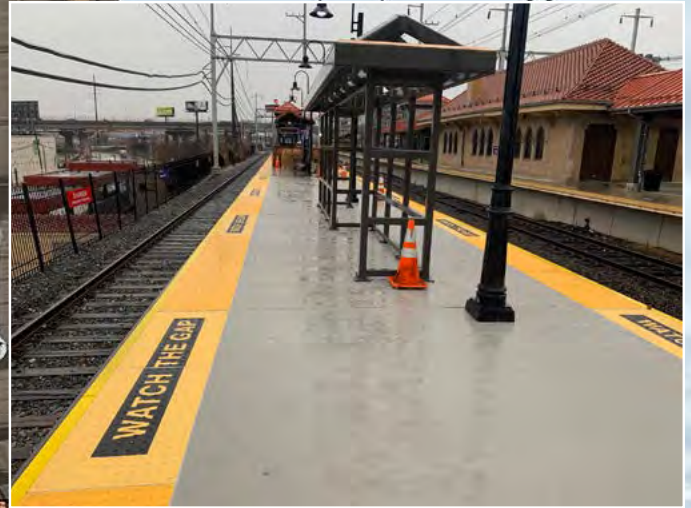
WEBSITE  
 ADATILE.COM  
 PHONE  
 1-800-372-0519  
 EMAIL  
 INFO@ADATILE.COM







# ENGINEERED TRANSIT SYSTEMS



**ADA Standards for Accessible Design require the installation of detectable warning surfaces at raised boarding platform edges.**

**ADA Solutions is an industry leader in providing engineered installations of detectable warning surfaces for public transit systems that include Commuter Rail, Light Rapid Transit (LRT), Underground Subway, Bus Rapid Transfer (BRT), and Monorail Stations.**



# PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES

The United States Access Board is developing new guidelines under the Americans with Disabilities Act (ADA) and the Architectural Barriers Act (ABA) that will address access to sidewalks and streets, crosswalks, curb ramps, pedestrian signals, on-street parking, and other components of public rights-of-way. Section R305 of the Public Rights-of-Way Accessibility Guidelines (PROWAG) provides requirements and guidance for Detectable Warning Surfaces. The complete PROWAG guidelines can be accessed at [www.access-board.gov/prowag](http://www.access-board.gov/prowag).

## R305 Detectable Warning Surfaces

**R305.1 General.** Detectable warning surfaces shall consist of truncated domes aligned in a square or radial grid pattern and shall comply with R305.

**R305.1.1 Dome Size.** The truncated domes shall have a base diameter of 23 mm (0.9 in) minimum and 36 mm (1.4 in) maximum, a top diameter of 50 percent of the base diameter minimum and 65 percent of the base diameter maximum, and a height of 5 mm (0.2 in).

**R305.1.2 Dome Spacing.** The truncated domes shall have a center-to-center spacing of 41 mm (1.6 in) minimum and 61 mm (2.4 in) maximum, and a base-to-base spacing of 17 mm (0.65 in) minimum, measured between the most adjacent domes.

**R305.1.3 Contrast.** Detectable warning surfaces shall contrast visually with adjacent gutter, street or highway, or pedestrian access route surface, either light-on-dark or dark-on-light.

**R305.1.4 Size.** Detectable warning surfaces shall extend 610 mm (2.0 ft) minimum in the direction of pedestrian travel. At curb ramps and blended transitions, detectable warning surfaces shall extend the full width of the ramp run (excluding any flared sides), blended transition, or turning space. At pedestrian at-grade rail crossings not located within a street or highway, detectable warnings shall extend the full width of the crossing. At boarding platforms for buses and rail vehicles, detectable warning surfaces shall extend the full length of the public use areas of the platform. At boarding and alighting areas at sidewalk or street level transit stops for rail vehicles, detectable warning surfaces shall extend the full length of the transit stop.

**R305.2.2 Parallel Curb Ramps.** On parallel curb ramps, detectable warning surfaces shall be placed on the turning space at the flush transition between the street and sidewalk.

**R305.2.3 Blended Transitions.** On blended transitions, detectable warning surfaces shall be placed at the back of curb. Where raised pedestrian street crossings, depressed corners, or other level pedestrian street crossings are provided, detectable warning surfaces shall be placed at the flush transition between the street and the sidewalk.

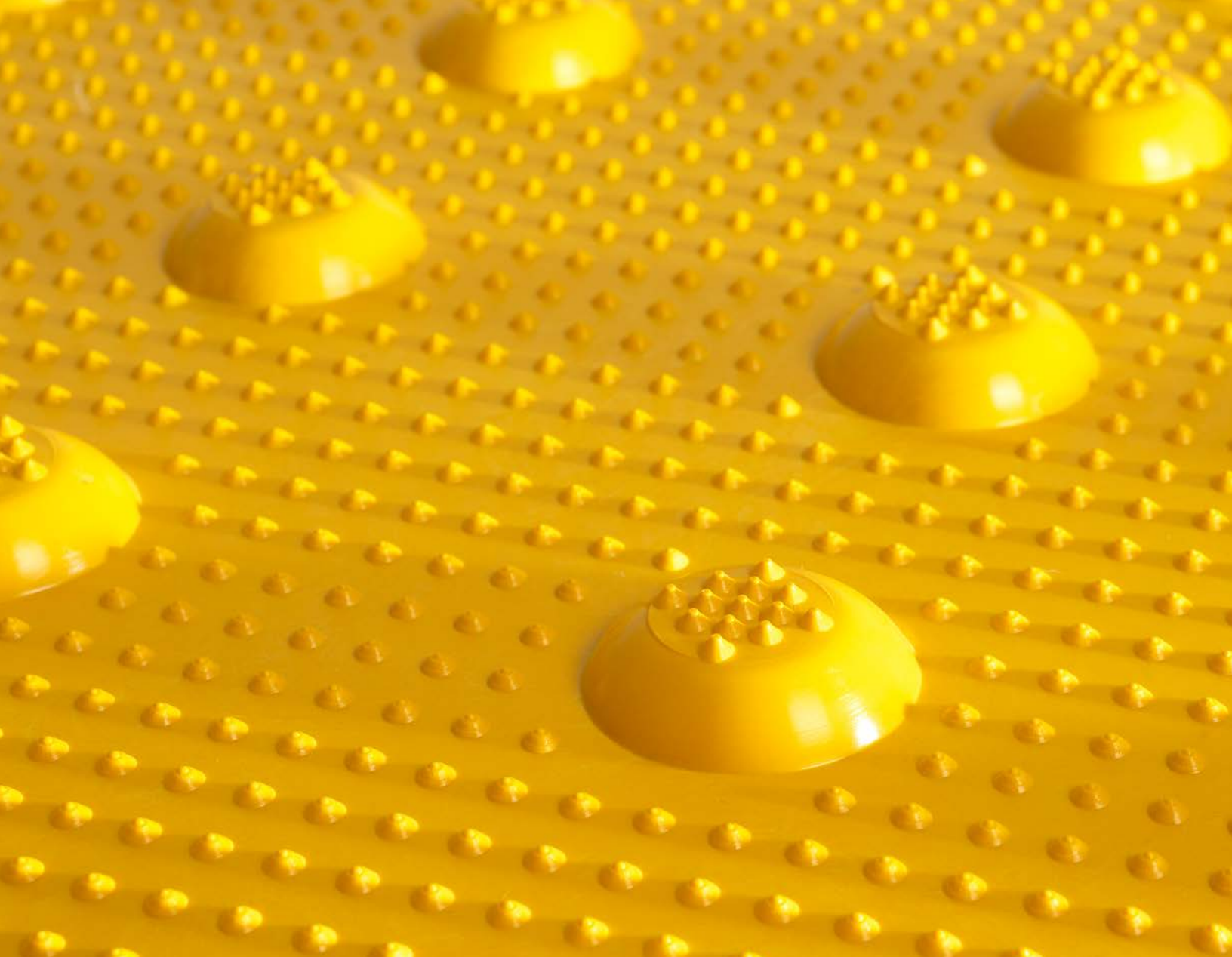
**R305.2.4 Pedestrian Refuge Islands.** At cut-through pedestrian refuge islands, detectable warning surfaces shall be placed at the edges of the pedestrian island and shall be separated by a 610 mm (2.0 ft) minimum length of surface without detectable warnings.

**R305.2.5 Pedestrian At-Grade Rail Crossings.** At pedestrian at-grade rail crossings not located within a street or highway, detectable warning surfaces shall be placed on each side of the rail crossing. The edge of the detectable warning surface nearest the rail crossing shall be 1.8 m (6.0 ft) minimum and 4.6 m (15.0 ft) maximum from the centerline of the nearest rail. Where pedestrian gates are provided, detectable warning surfaces shall be placed on the side of the gates opposite the rail.

**R305.2.6 Boarding Platforms.** At boarding platforms for buses and rail vehicles, detectable warning surfaces shall be placed at the boarding edge of the platform.

**R305.2.7 Boarding and Alighting Areas.** At boarding and alighting areas at sidewalk or street level transit stops for rail vehicles, detectable warning surfaces shall be placed at the side of the boarding and alighting area facing the rail vehicles.





Wherever you go...  
There we are®



ADA Office  
800.372.0519

323 Andover Street, Suite 3  
Wilmington, MA 01887



[www.adatile.com](http://www.adatile.com)  
[www.surewerx.com](http://www.surewerx.com)