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800.372.0519

PRODUCT GUIDE

Wherever you go...
There we are®



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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

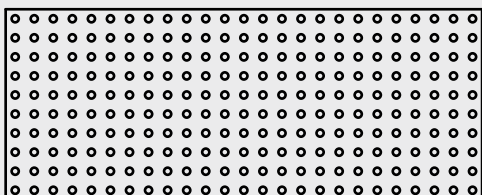
Cast-In-Place Paver Detectable Warning Surface Panels provide an extremely durable, long-term installation of ADA-compliant truncated domes. The “wet-set” application involves pressing the panel down into the fresh concrete. Once the concrete is fully cured, the panel becomes permanently embedded. The 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.

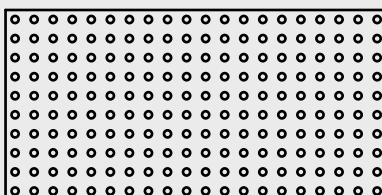


PANEL SIZES

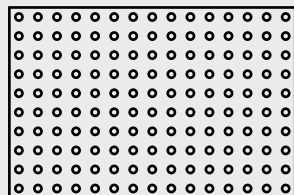
24" x 60"



24" x 48"



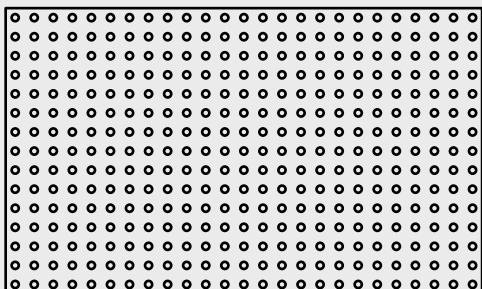
24" x 36"



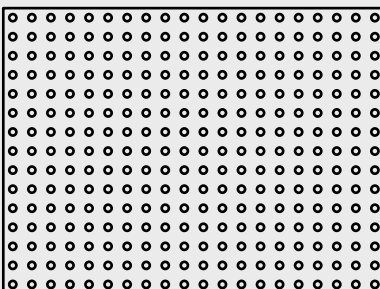
24" width meets minimum
ADA requirements

36" width meets minimum California
Building Code requirements

36" x 60"



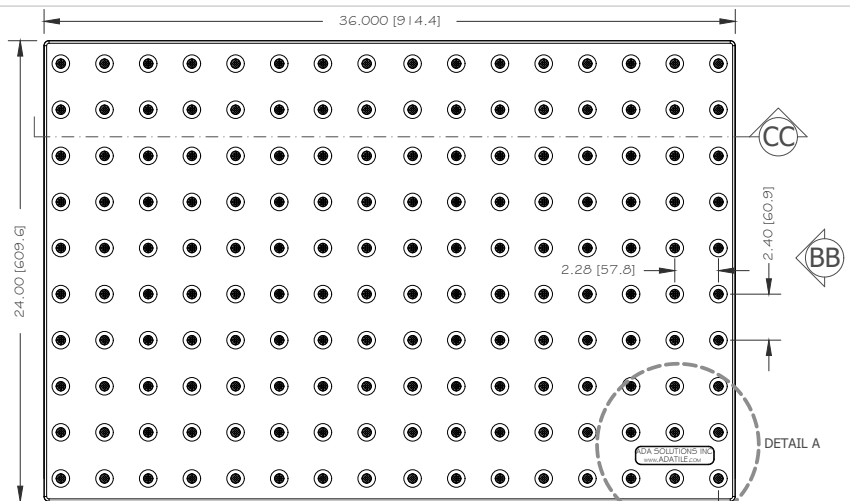
36" x 48"



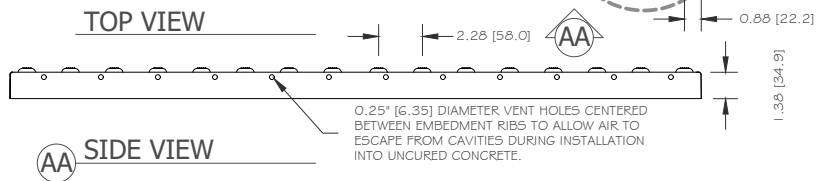
Panel is aligned with bottom edge of curb ramp.
Rotate panel down into the wet concrete.



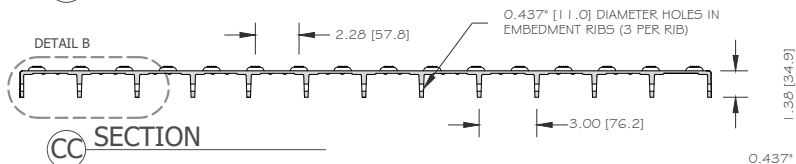
Press panel into wet concrete until top surface is
even with surrounding concrete. A rubber mallet
and scrap lumber can be used to set panel to
proper depth and remove any air pockets under
the panel.



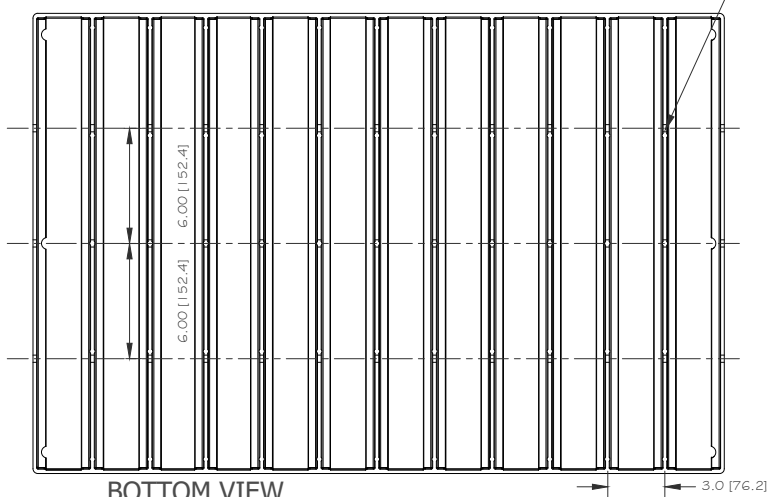
TOP VIEW



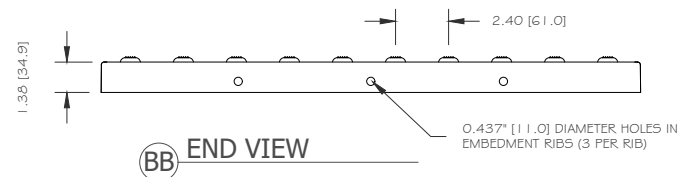
AA SIDE VIEW



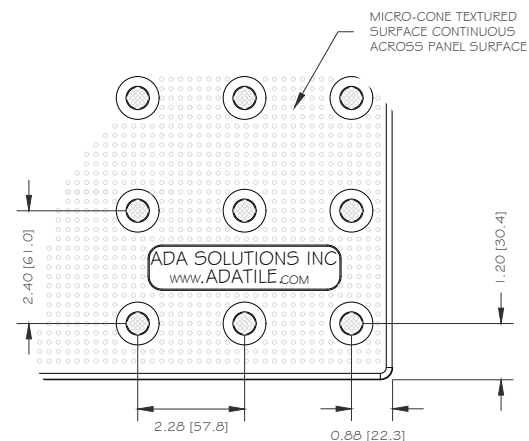
CC SECTION



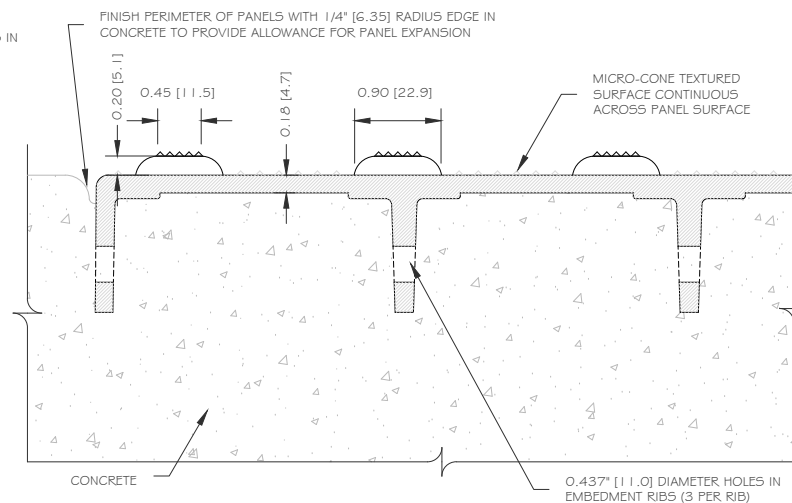
BOTTOM VIEW



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

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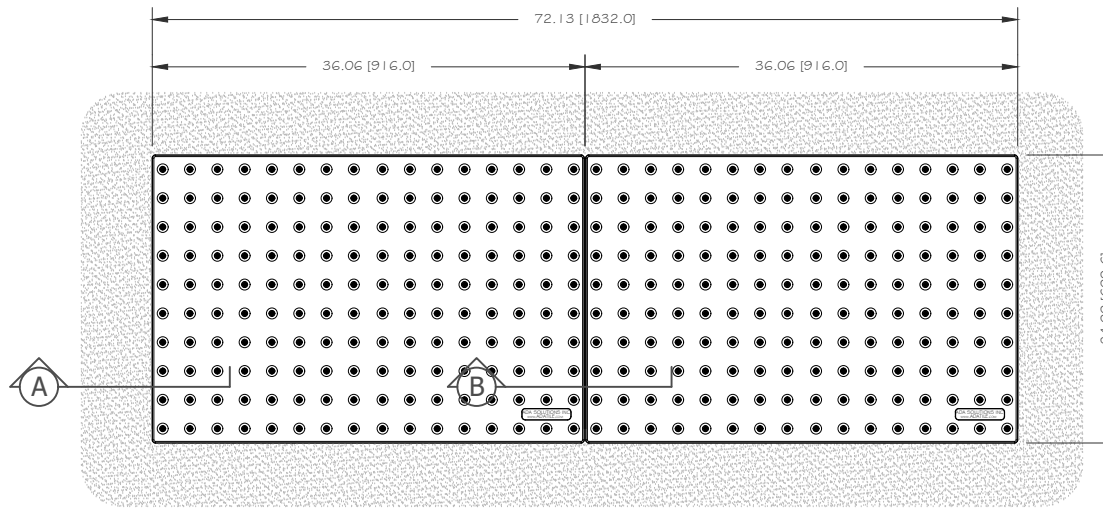
PHONE

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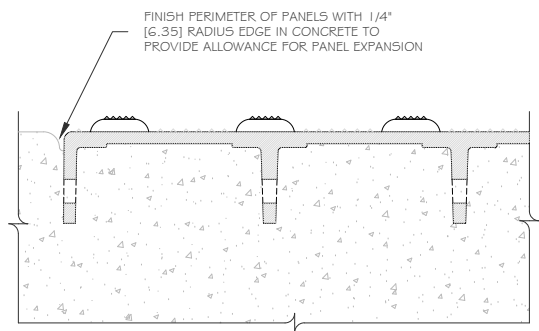
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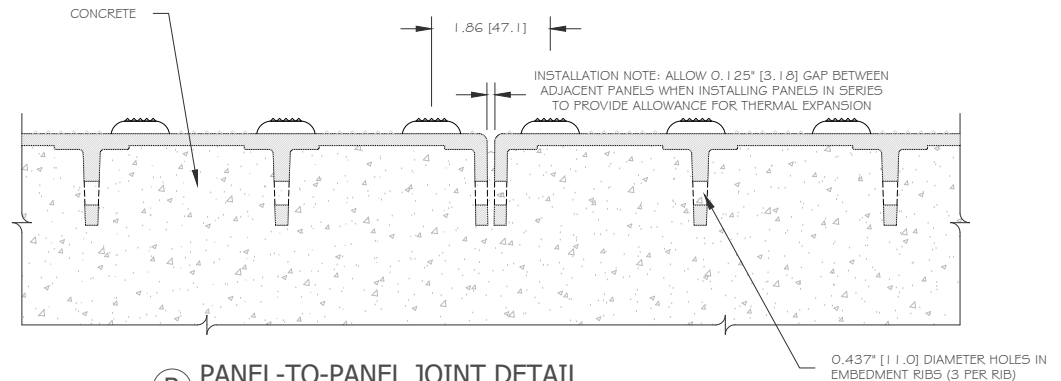




TOP VIEW - MULTIPLE PANEL INSTALLATION



A PERIMETER EMBEDMENT DETAIL



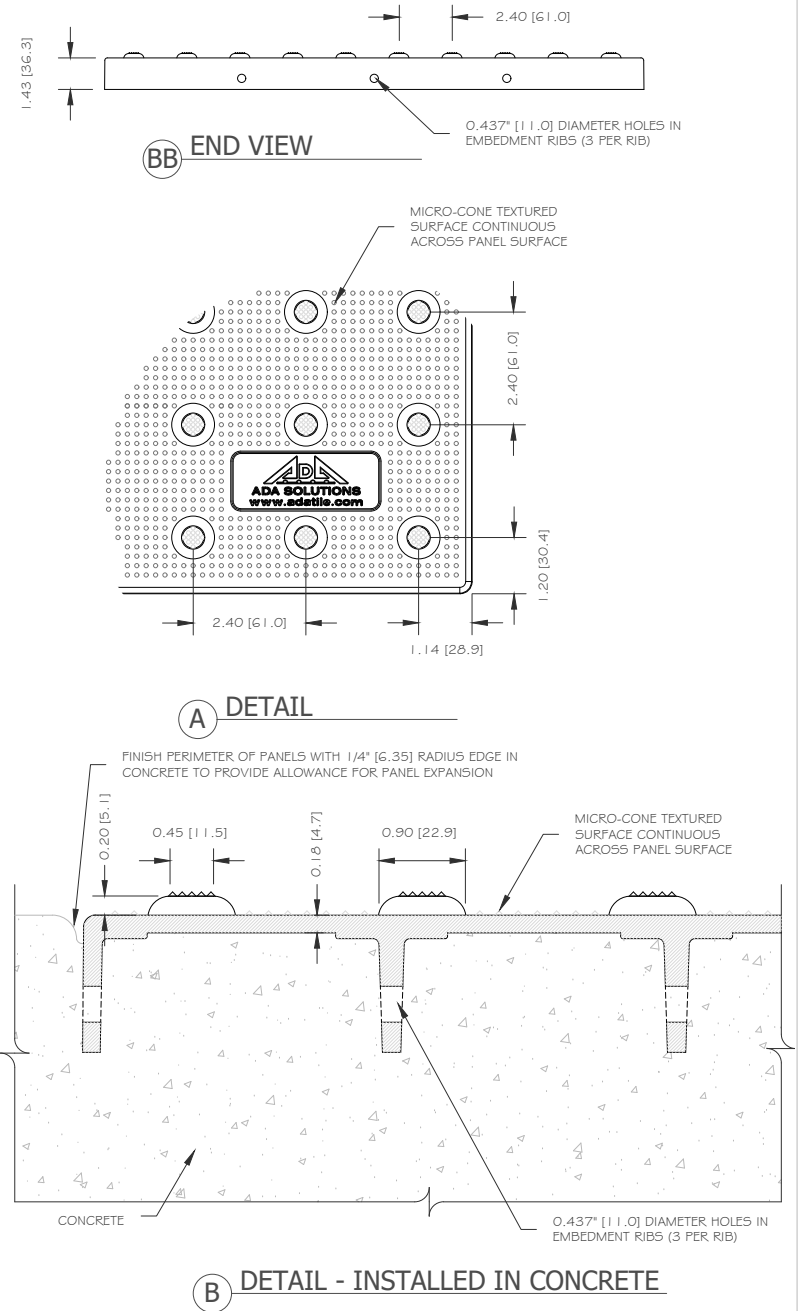
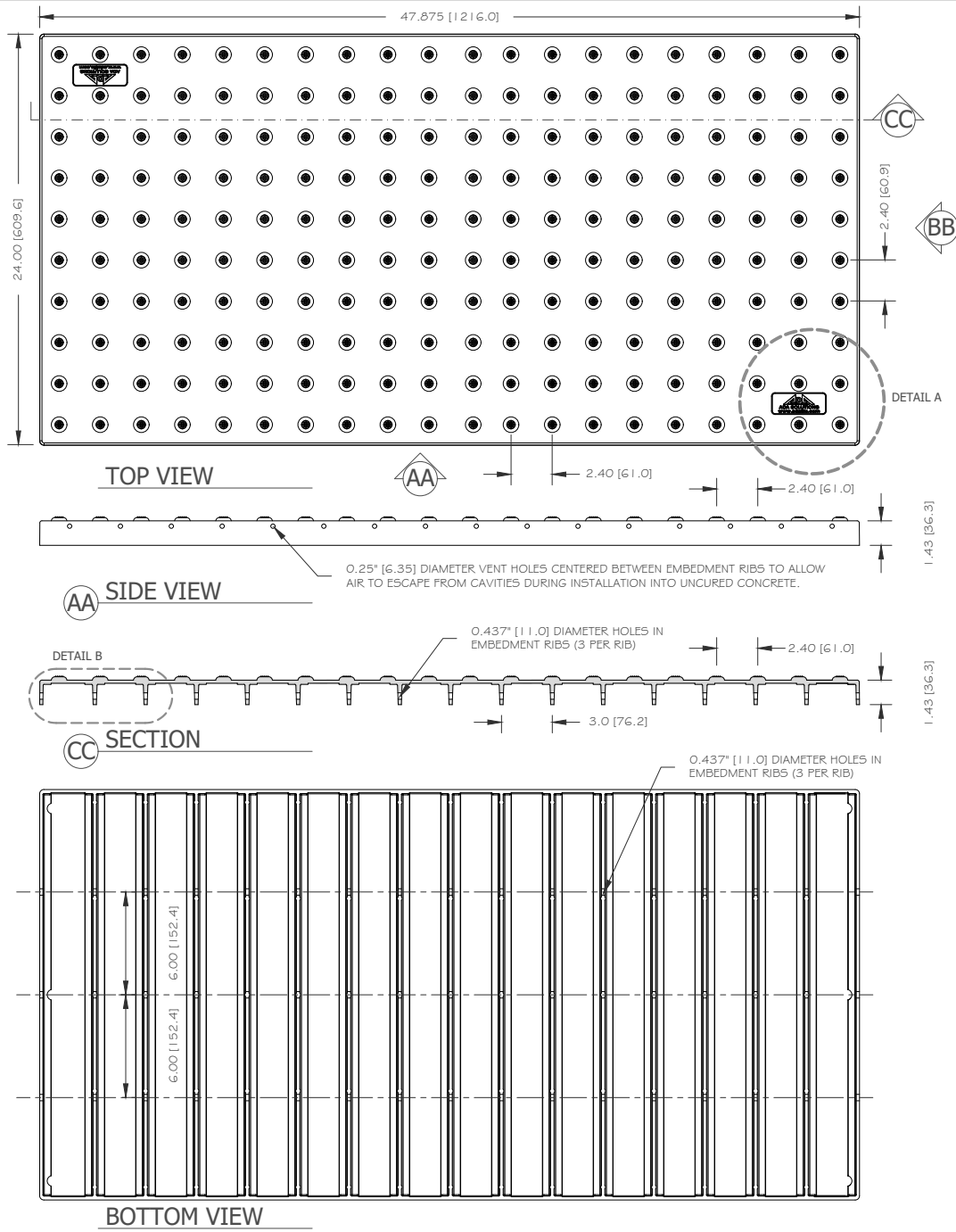
B PANEL-TO-PANEL JOINT DETAIL

DETECTABLE WARNING SURFACE PANEL
Cast-In-Place Paver Panel 24" x 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

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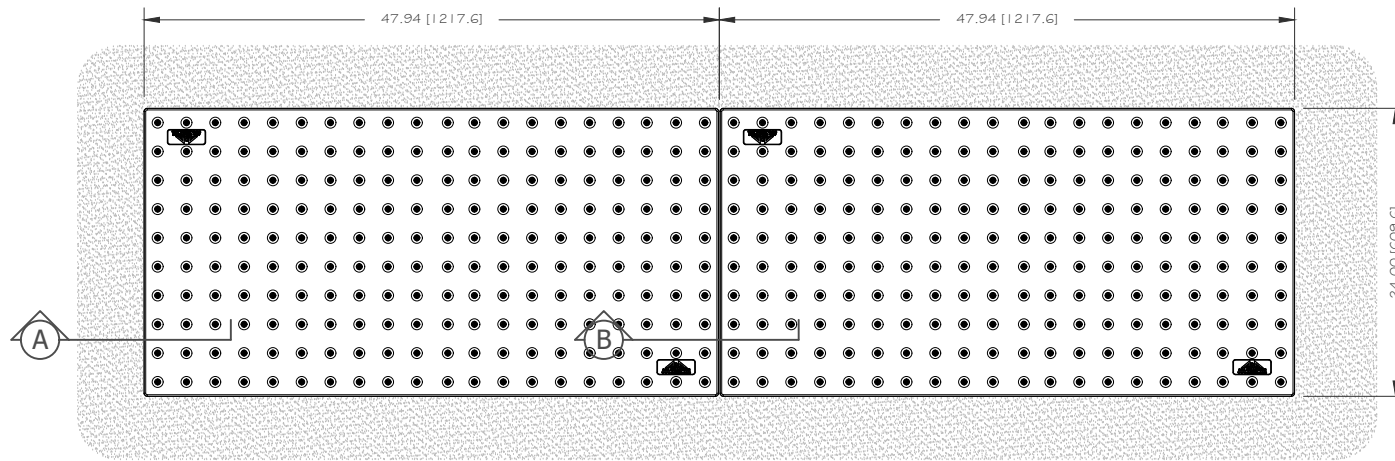
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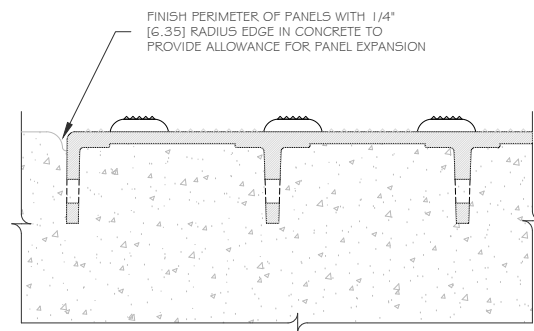
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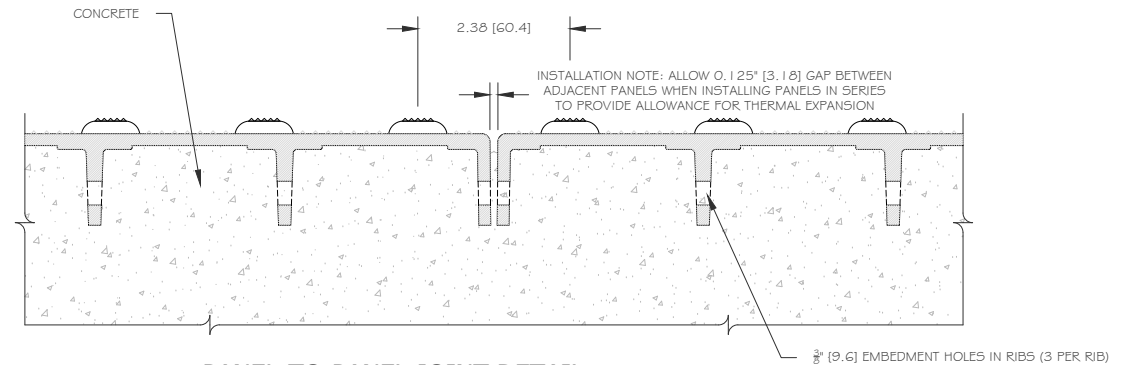




TOP VIEW - MULTIPLE PANEL INSTALLATION



A PERIMETER EMBEDMENT DETAIL



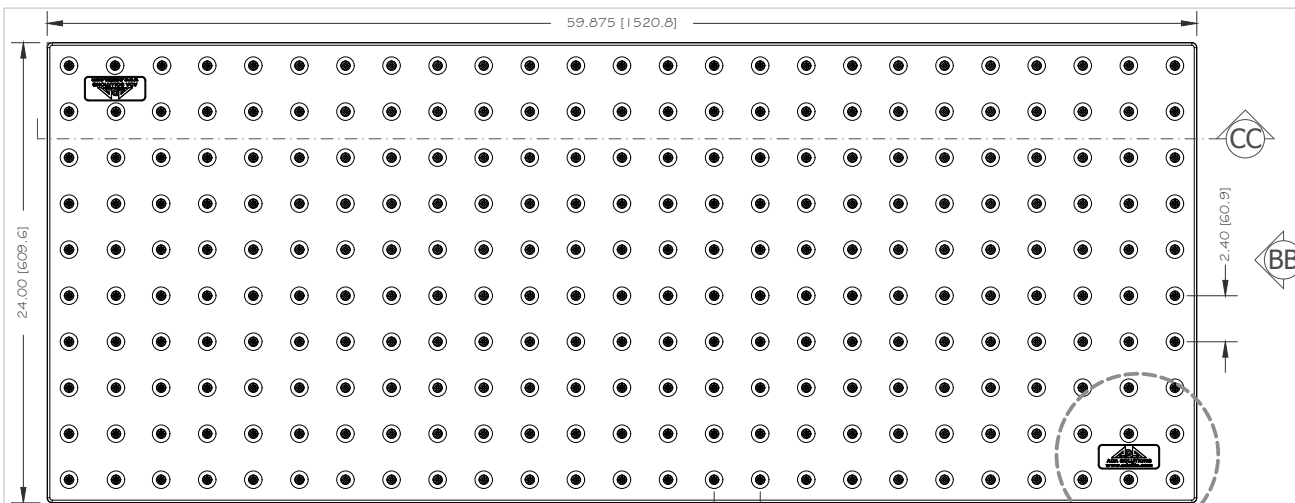
B PANEL-TO-PANEL JOINT DETAIL

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

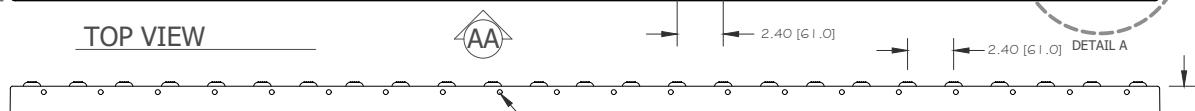
DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
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 DATE
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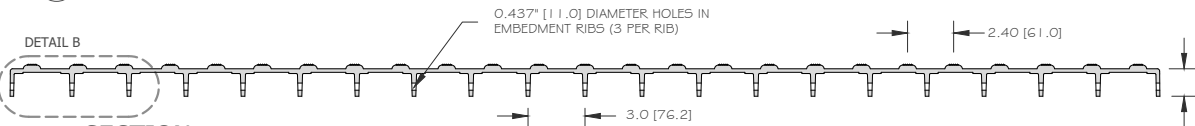
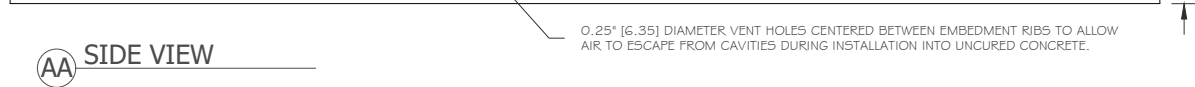




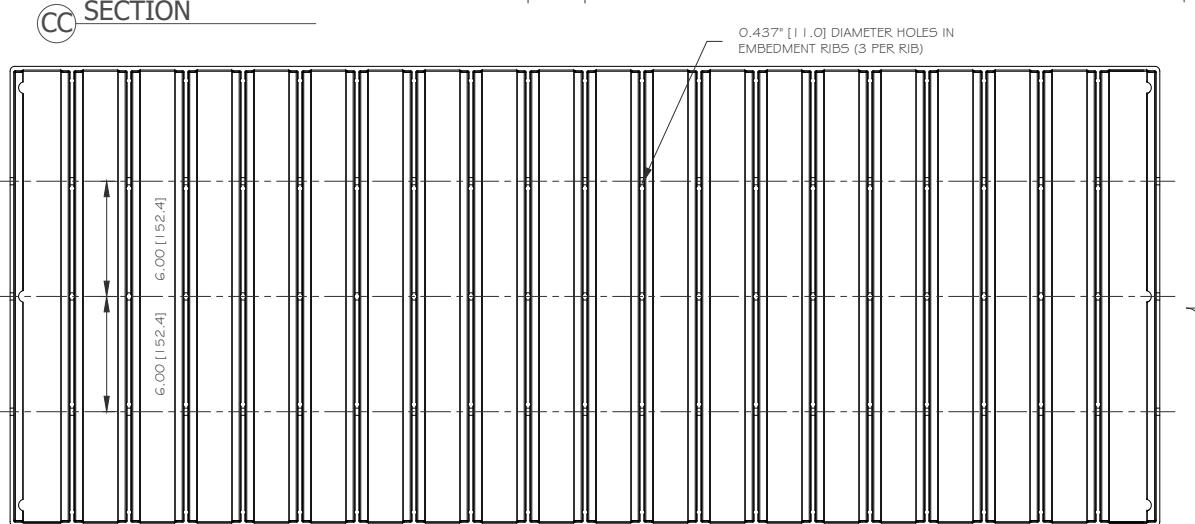
TOP VIEW



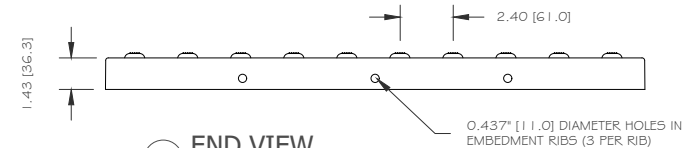
SIDE VIEW



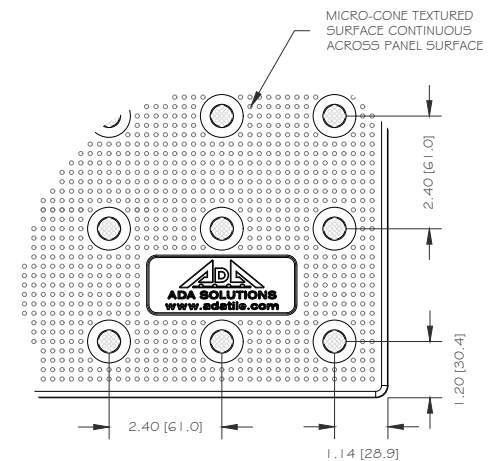
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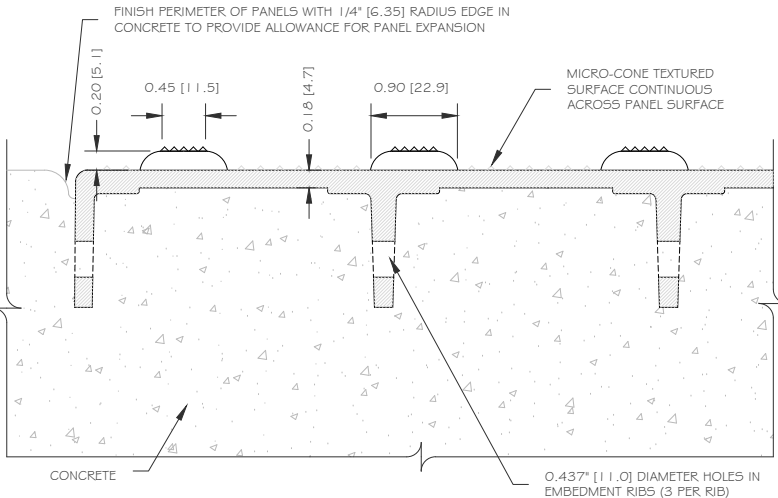
BOTTOM VIEW



END VIEW



DETAIL



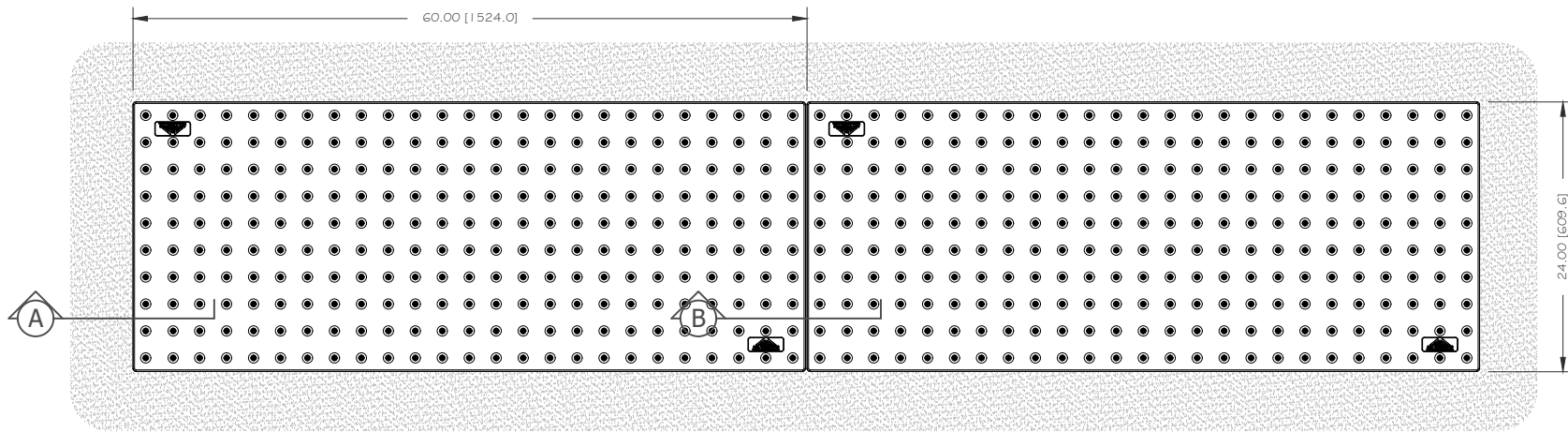
DETAIL - INSTALLED IN CONCRETE

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

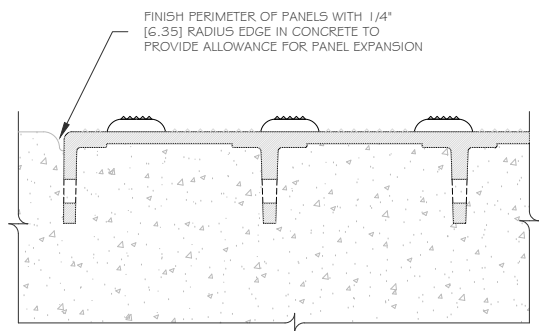
DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
 ADA-PAVER-2460 Page 1 of 2
 DATE
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 INCHES [MM]

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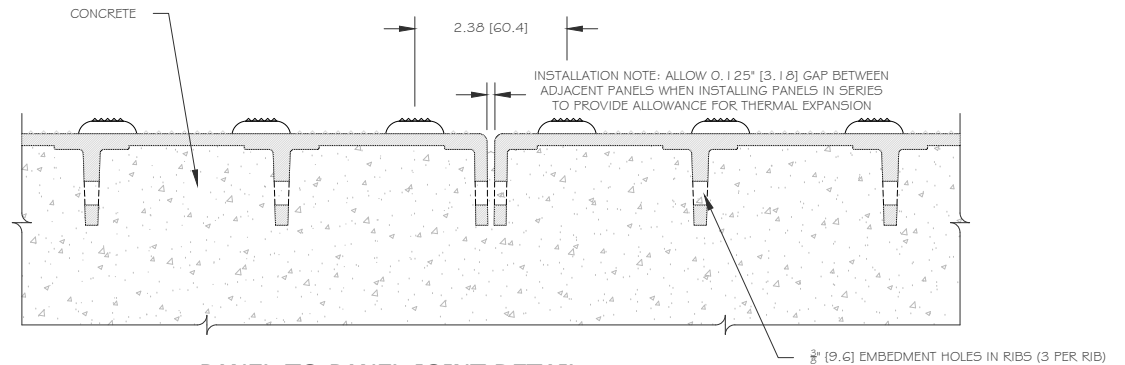




TOP VIEW - MULTIPLE PANEL INSTALLATION



A PERIMETER EMBEDMENT DETAIL



B PANEL-TO-PANEL JOINT DETAIL

DETECTABLE WARNING SURFACE PANEL
Cast-In-Place Paver Panel 24" x 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
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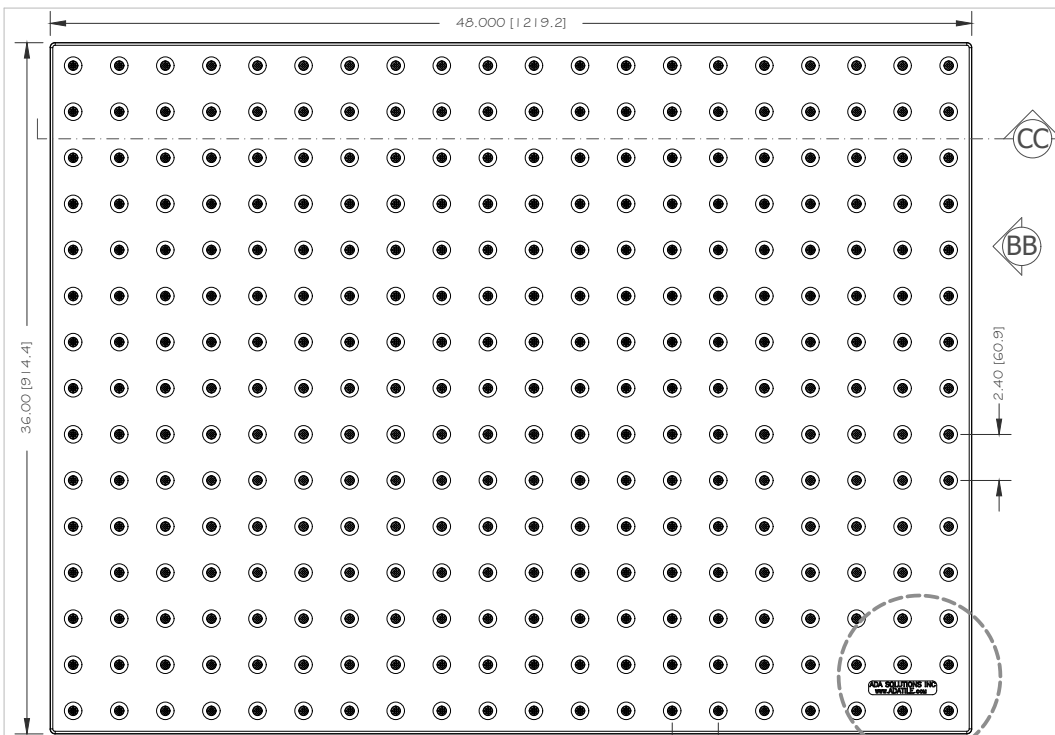
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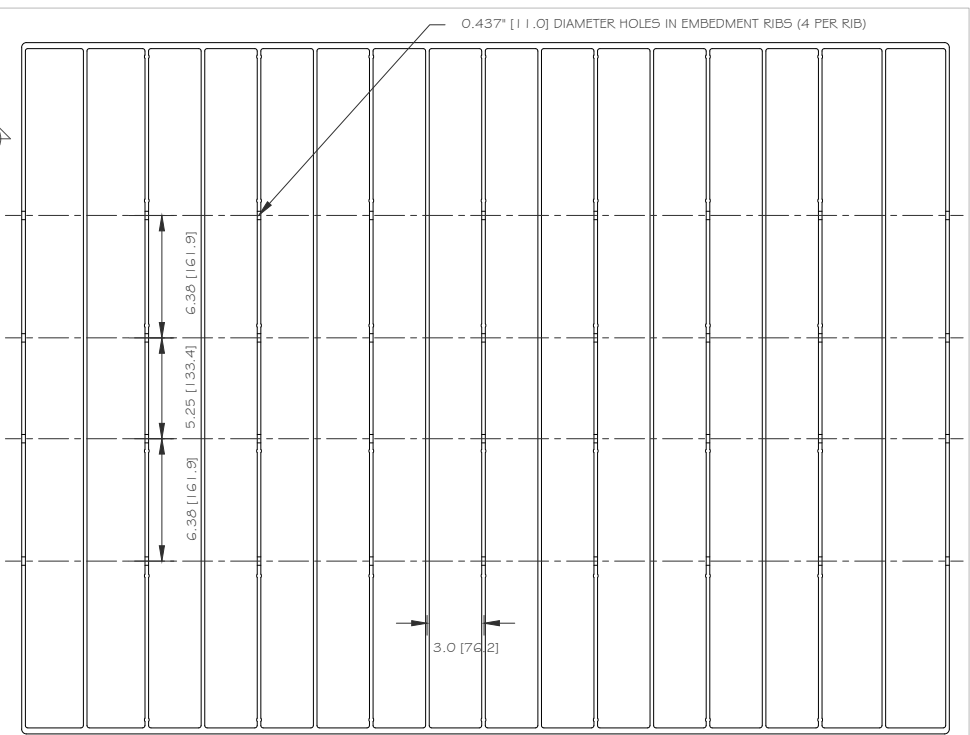
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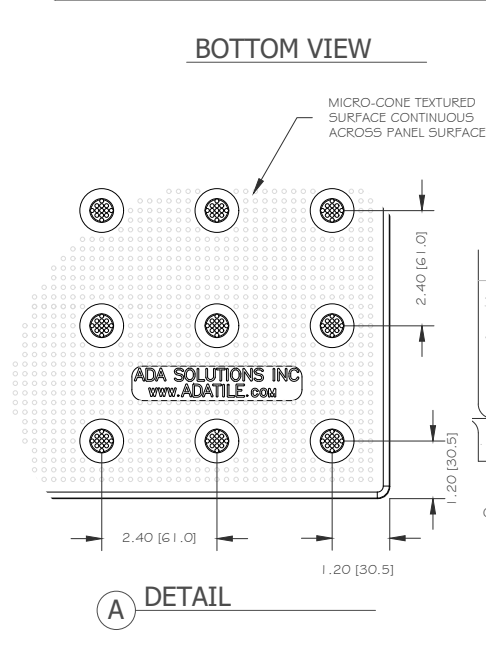
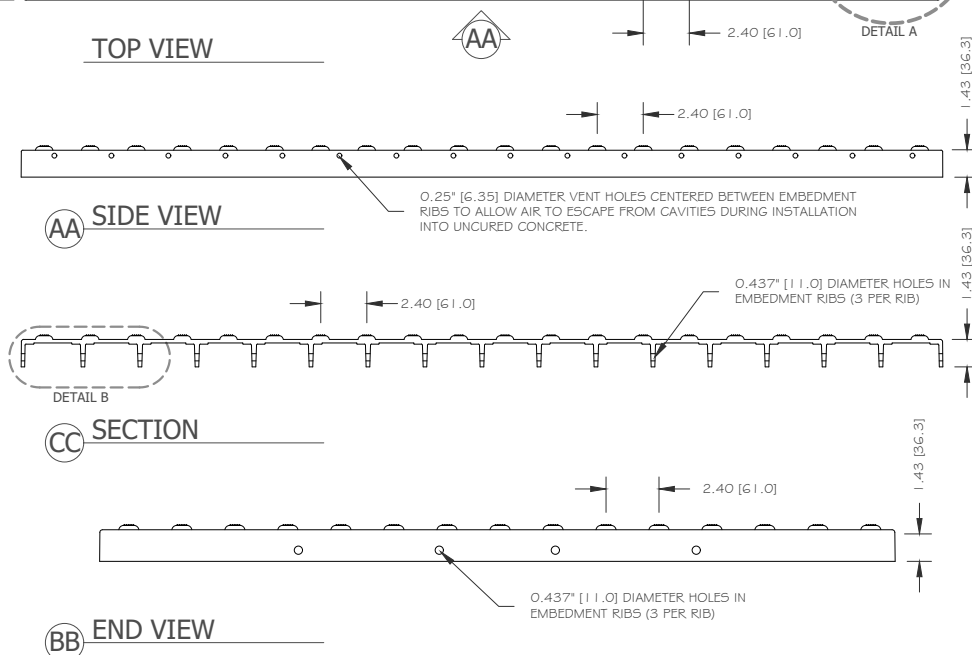




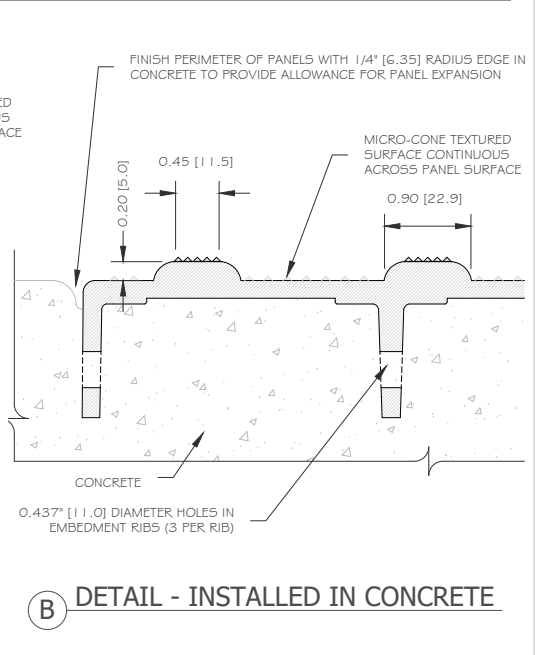
TOP VIEW



BOTTOM VIEW



A DETAIL



B DETAIL - INSTALLED IN CONCRETE

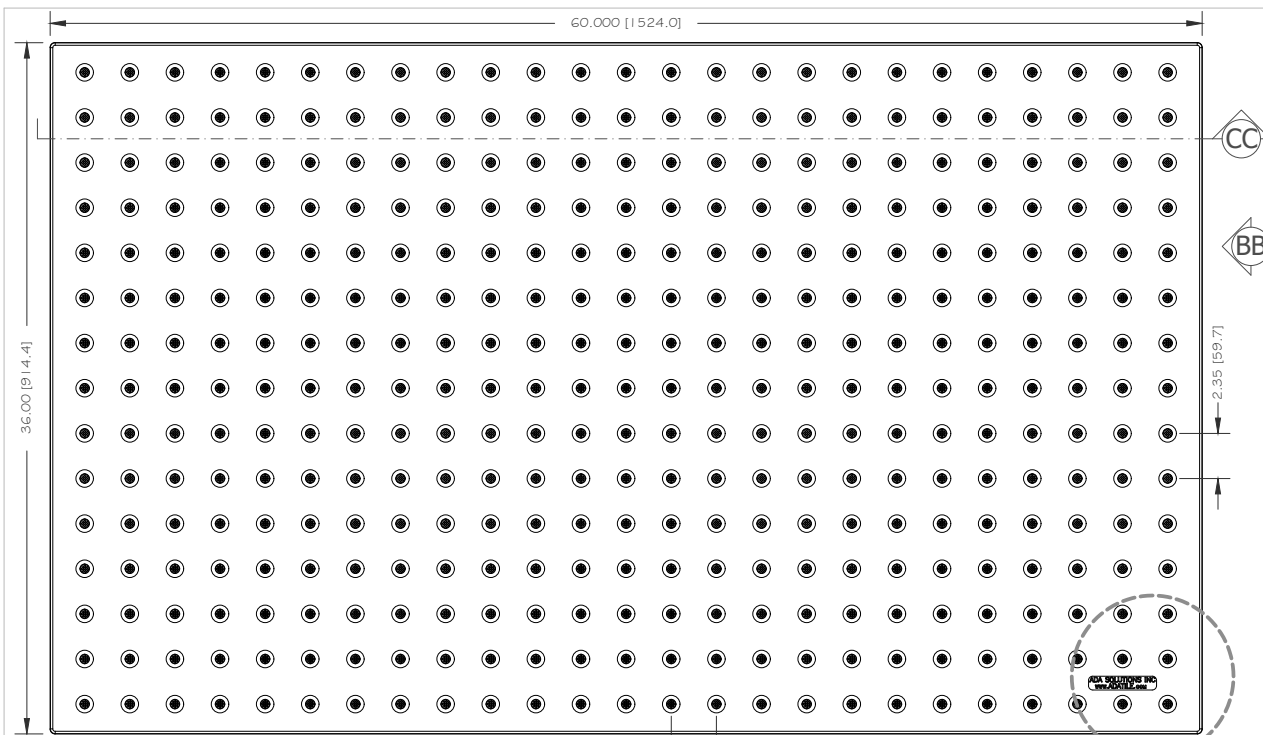
DETECTABLE WARNING SURFACE PANEL
Cast-In-Place Paver Panel 36" x 48"
 PART SIZE: 36" (914.4 MM) X 48" (1,219.2 MM)
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

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

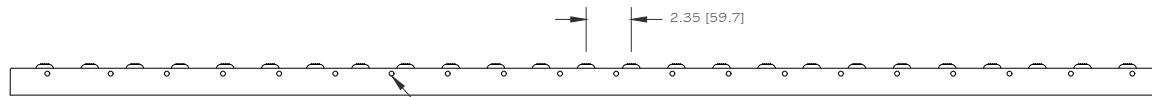
DATE
 2023-08-11
 DRAWING UNITS
 INCHES [MM]

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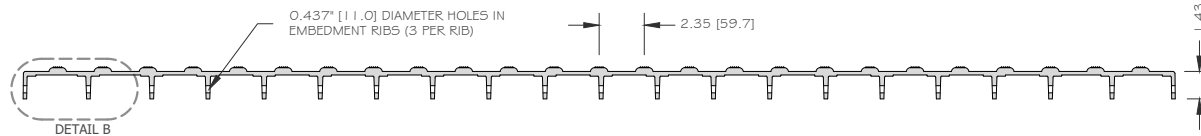




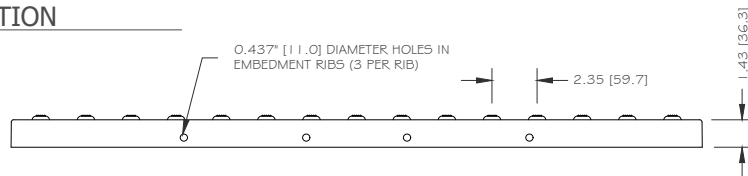
TOP VIEW



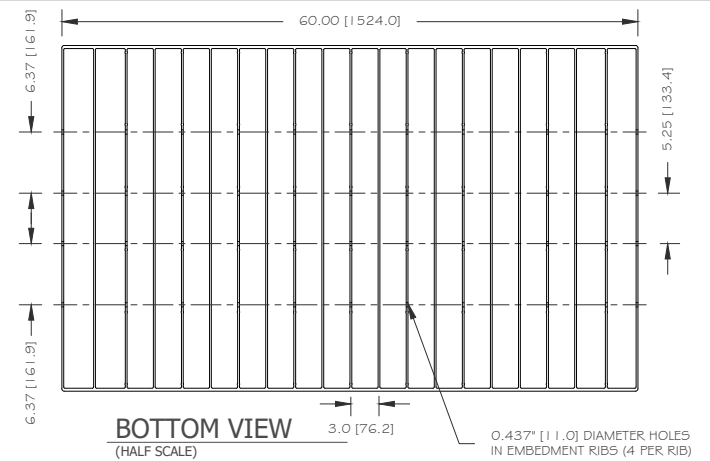
AA SIDE VIEW



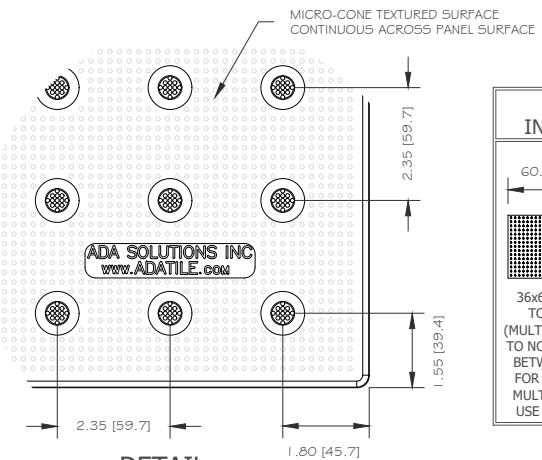
CC SECTION



BB END VIEW



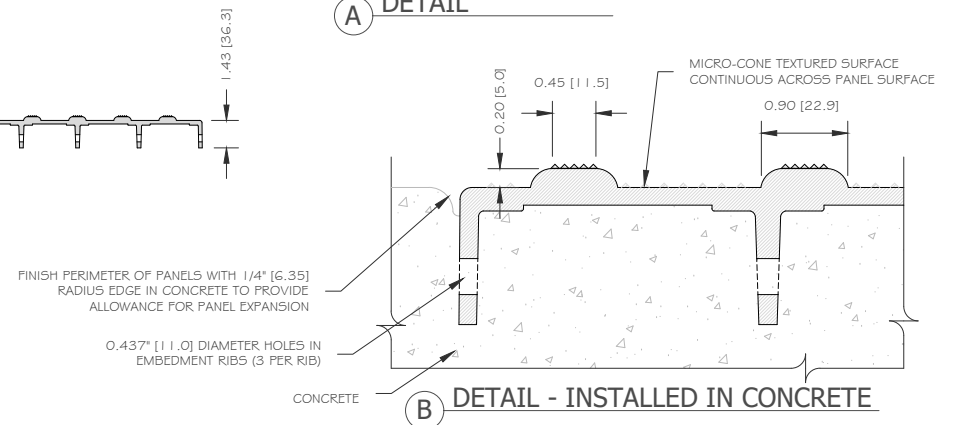
BOTTOM VIEW
(HALF SCALE)



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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PHONE

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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.

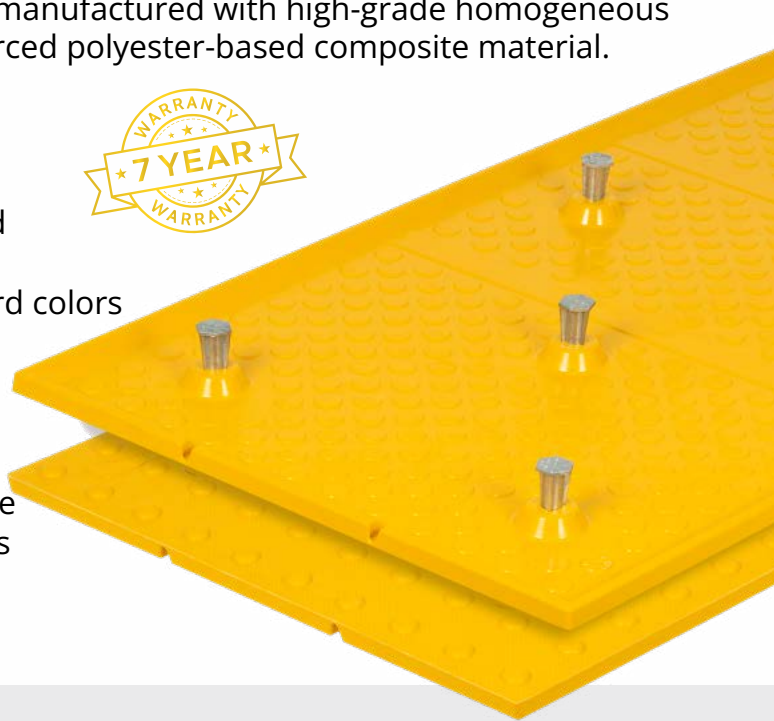
- Wet-set installation with ability to be removed and replaced



- Available in all standard colors

- Wide selection of panel sizes

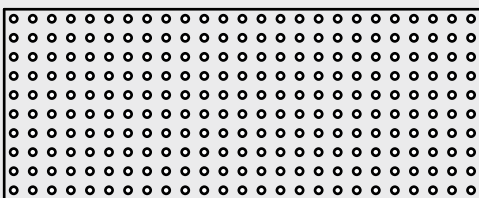
- Radius panels available for curved installations



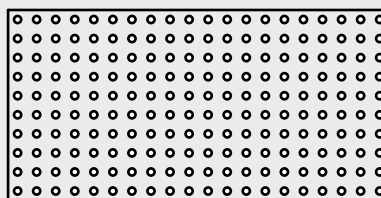
Replaceable panels can be removed by gaining access to anchor bolt. Simply remove matching color cover caps and bolts. Original panel can be removed from cured concrete bed and replaced with new panel.

PANEL SIZES

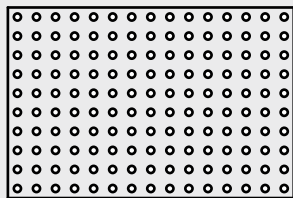
24" x 60"



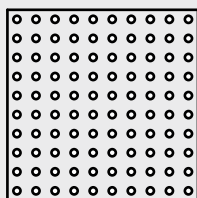
24" x 48"



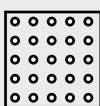
24" x 36"



24" x 24"



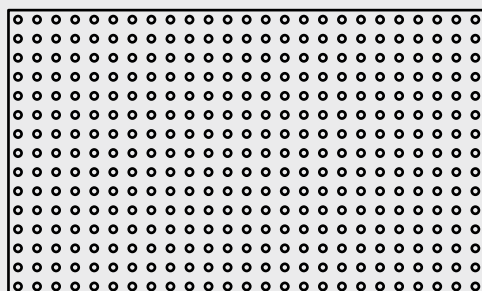
12" x 12"



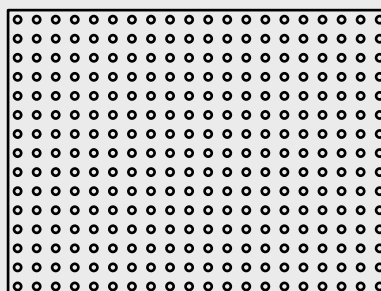
24" width meets minimum ADA requirements

36" width meets minimum California Building Code requirements

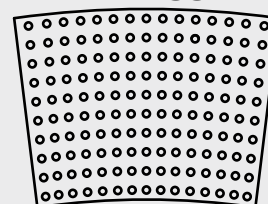
36" x 60"



36" x 48"

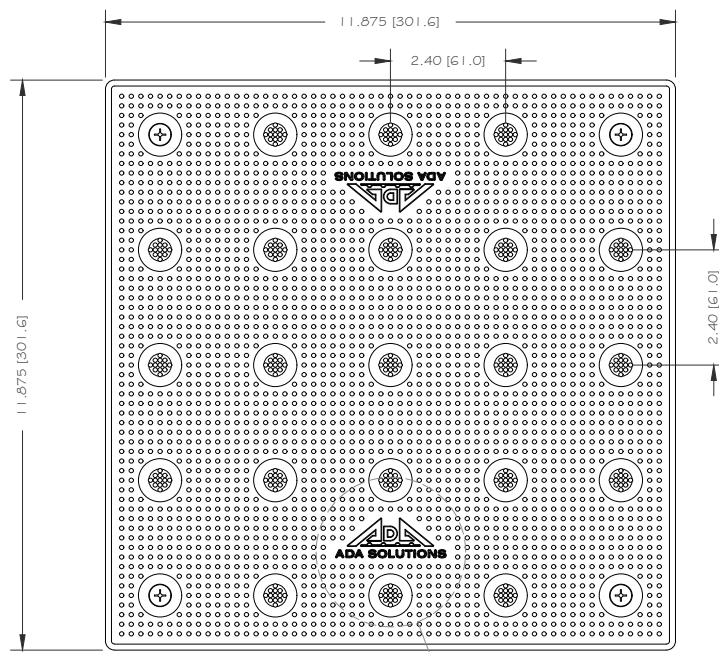


24" x 33"

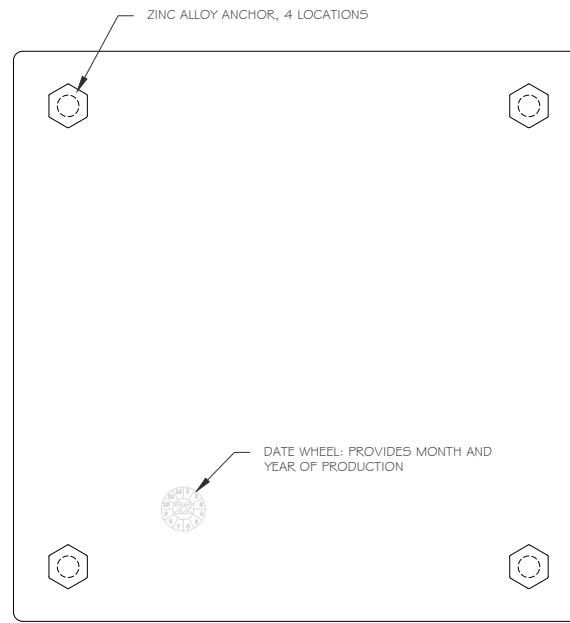


Radius

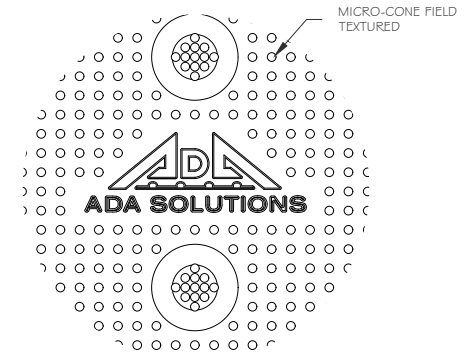
Radius Replaceable panels are the best option for rounded corner curb ramp (blended transitions) and can be field mitered to fit between 8' and 20' radius.



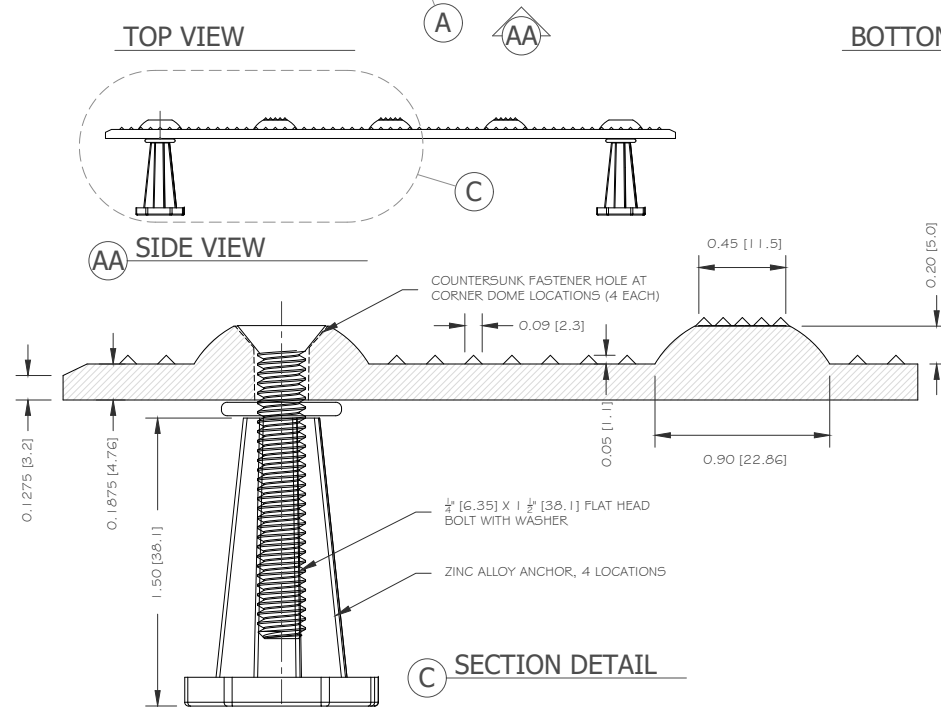
TOP VIEW



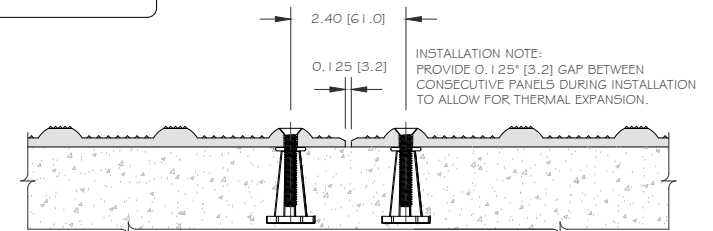
BOTTOM VIEW



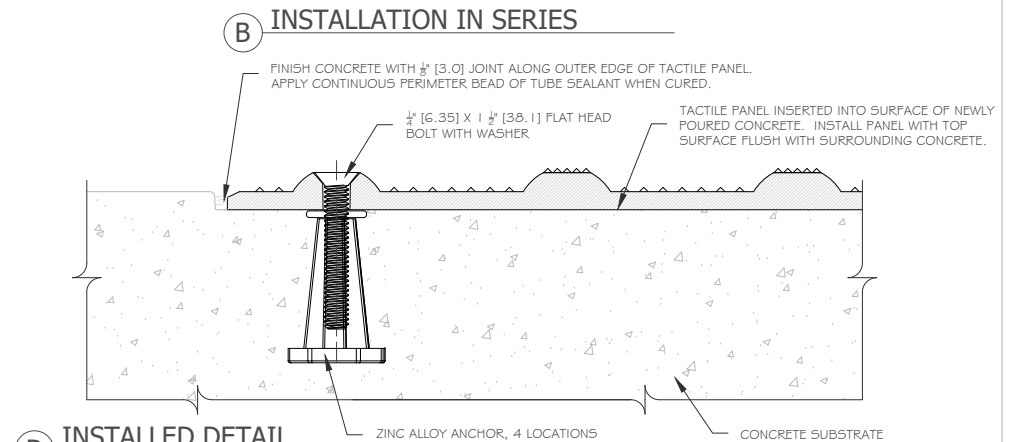
A LOGO DETAIL



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

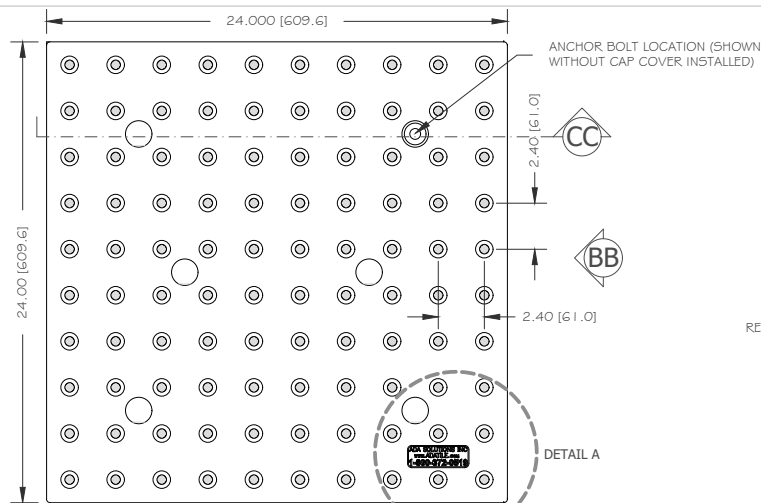
DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
 ADA-DWS1212 Cast In Place

DATE
 2022-06-10

DRAWING UNITS
 INCHES [MM]

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

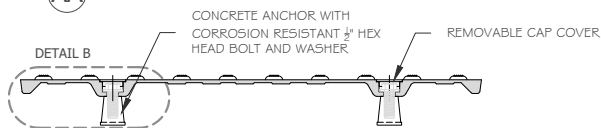




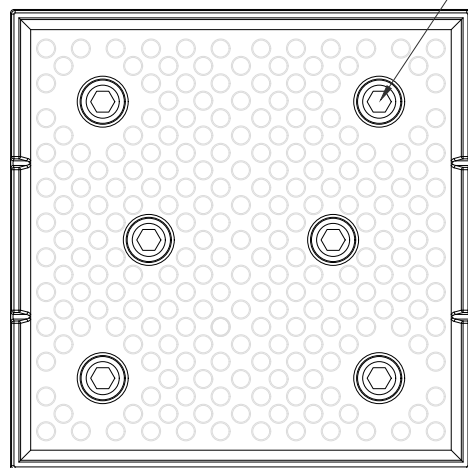
TOP VIEW



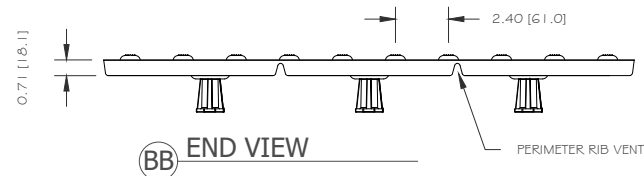
AA SIDE VIEW



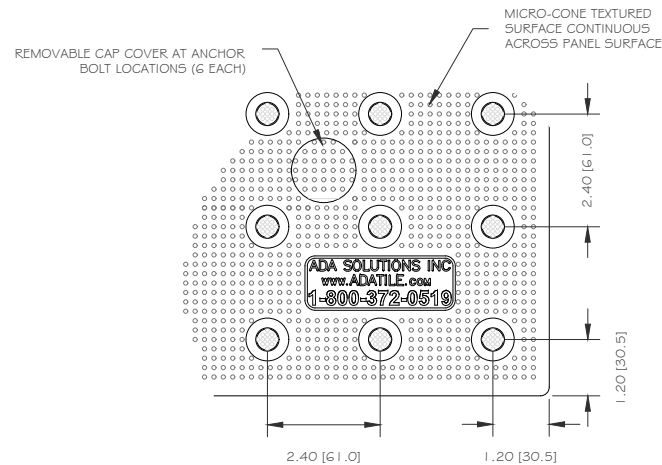
CC SECTION



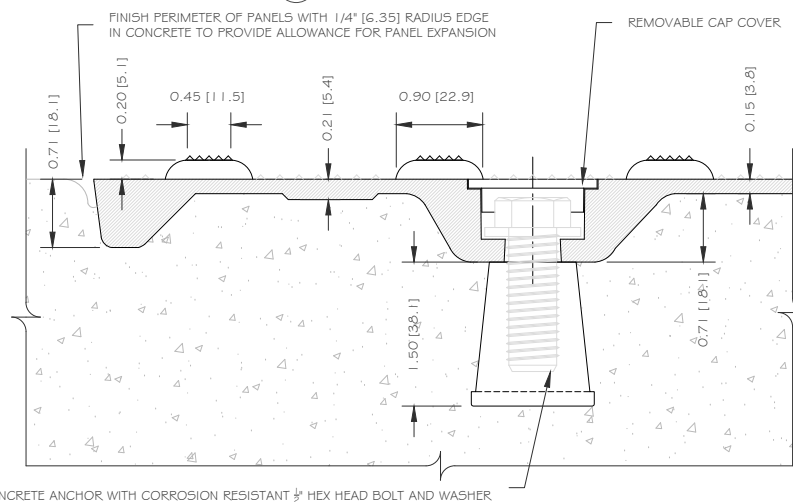
BOTTOM VIEW



BB END 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
2023-08-22

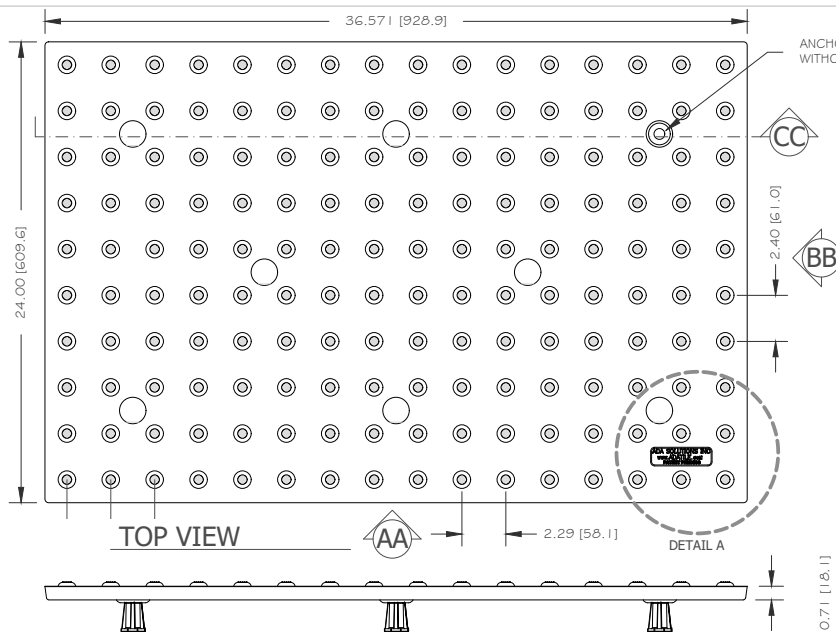
DRAWING UNITS
INCHES [MM]

WEBSITE
ADATILE.COM

PHONE
1-800-372-0519

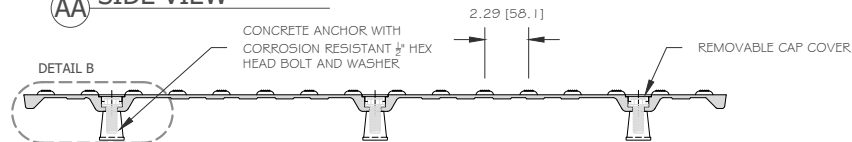
EMAIL
INFO@ADATILE.COM



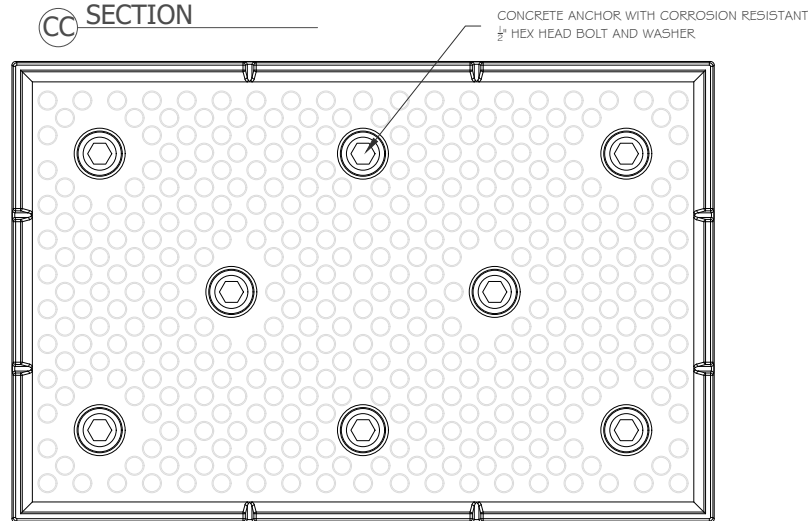


TOP VIEW

AA SIDE VIEW



CC SECTION



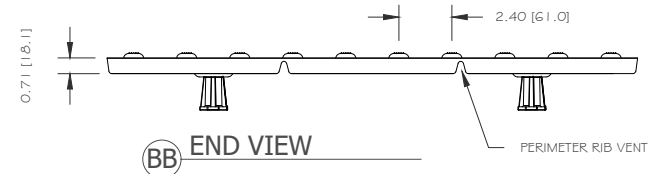
BOTTOM VIEW

DETECTABLE WARNING SURFACE PANEL

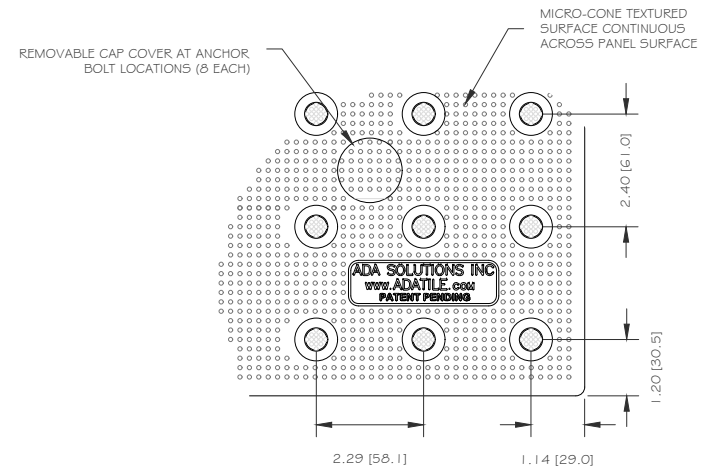
Cast-In-Place Replaceable 24" x 36"

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

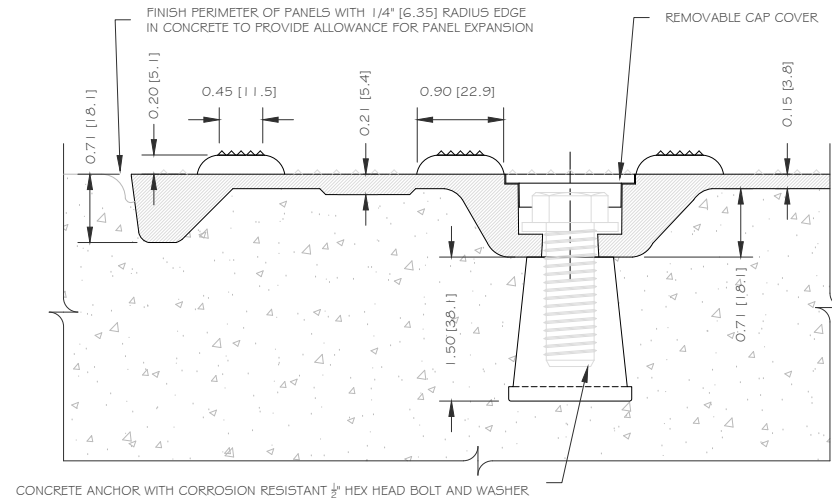
2.29" (58.1 MM) x 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING



BB END VIEW



A DETAIL



B DETAIL - INSTALLED IN CONCRETE

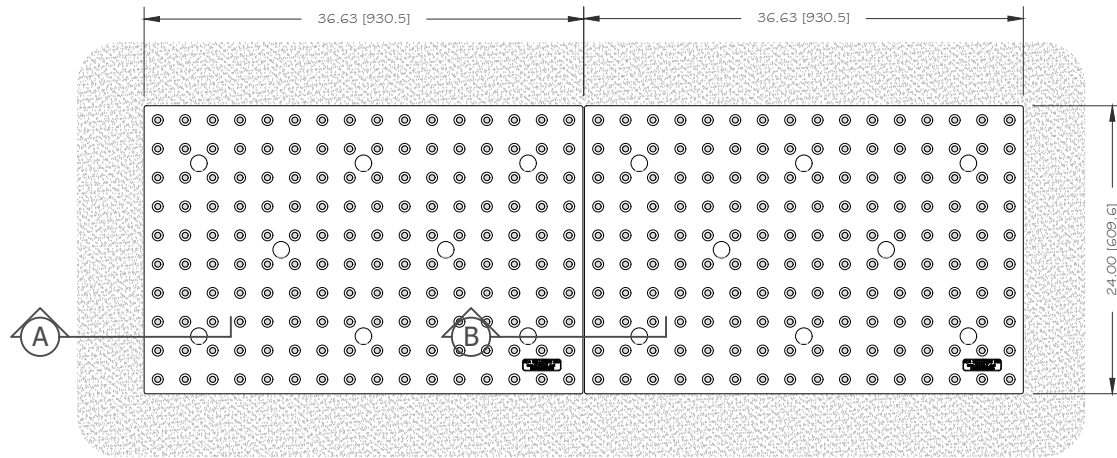
DIVISION
TACTILE WALKING SURFACE INDICATORS
MATERIAL
FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
DRAWING NUMBER
ADA-REP2-2436 Page 1 of 2

DATE
2023-08-18

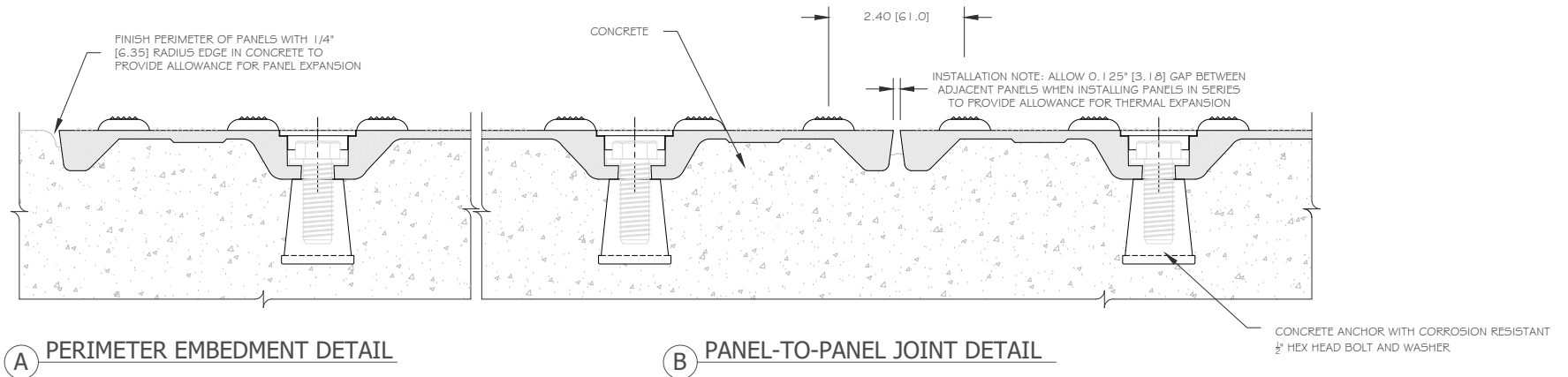
DRAWING UNITS
INCHES [MM]

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

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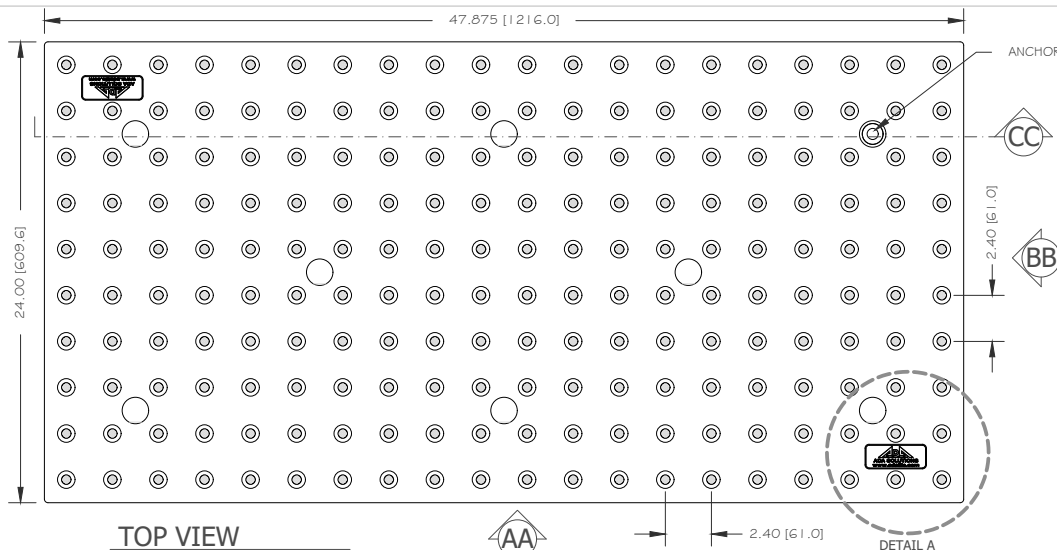
PHONE

1-800-372-0519

EMAIL

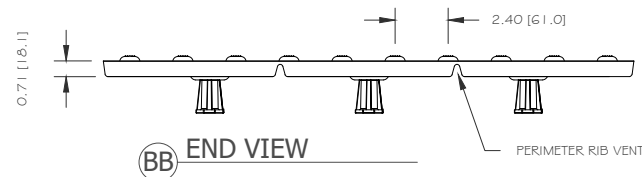
INFO@ADATILE.COM





TOP VIEW

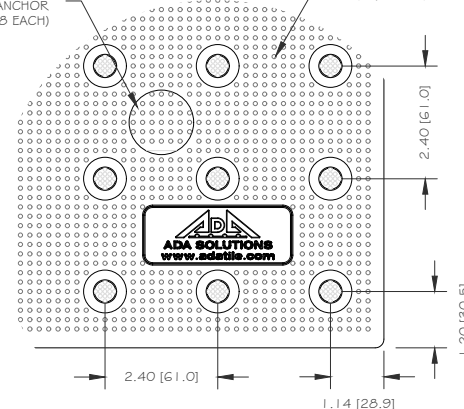
ANCHOR BOLT LOCATION (SHOWN WITHOUT CAP COVER INSTALLED)



END VIEW

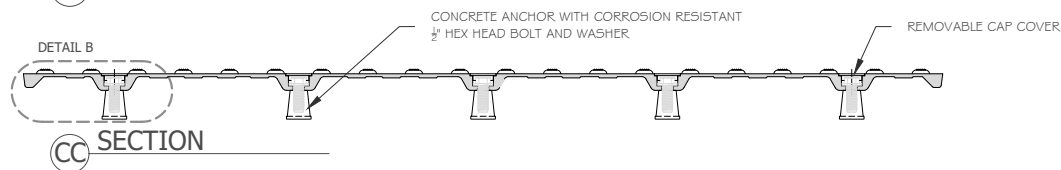
REMOVABLE CAP COVER AT ANCHOR BOLT LOCATIONS (2 EACH)

MICRO-CONE TEXTURED SURFACE CONTINUOUS ACROSS PANEL SURFACE

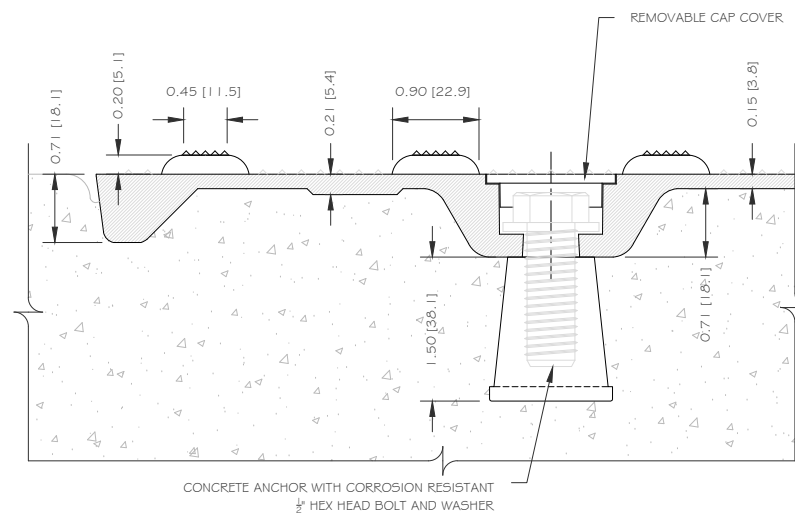


DETAIL A

SIDE VIEW

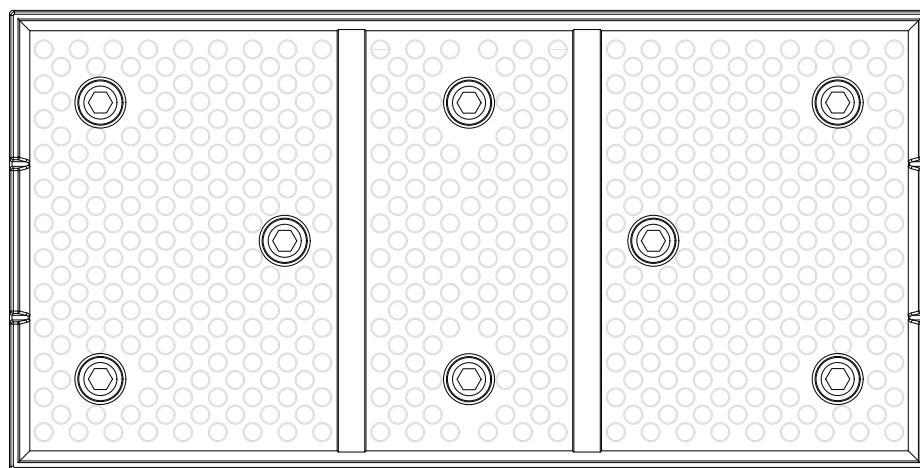


SECTION



CONCRETE ANCHOR WITH CORROSION RESISTANT 1/2" HEX HEAD BOLT AND WASHER

DETAIL - INSTALLED IN CONCRETE



BOTTOM VIEW

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

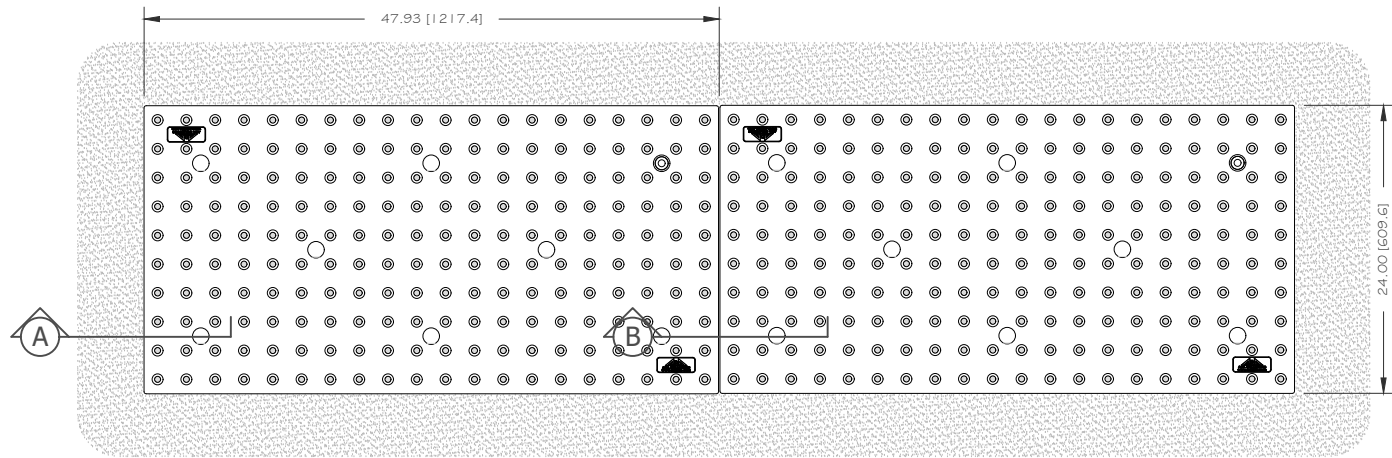
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1-800-372-0519

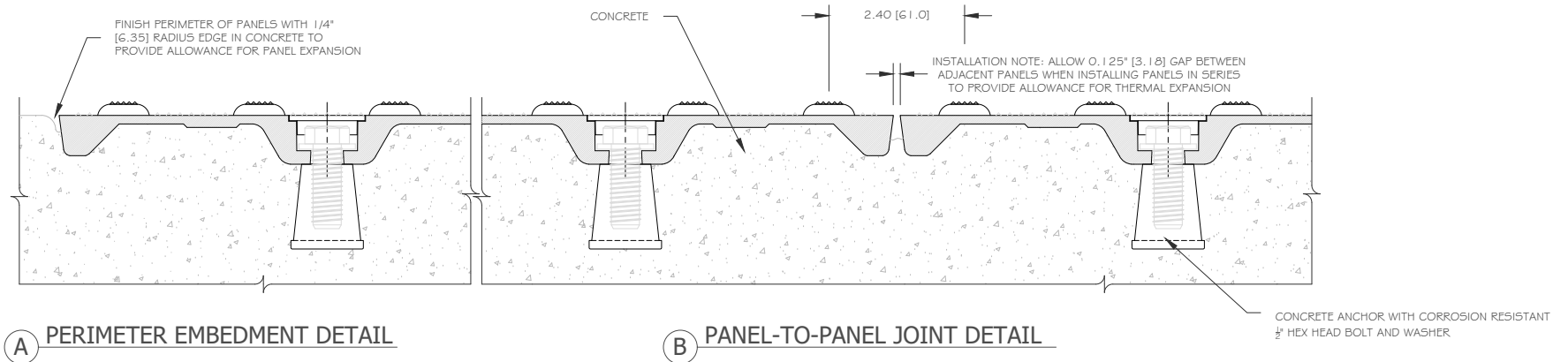
EMAIL

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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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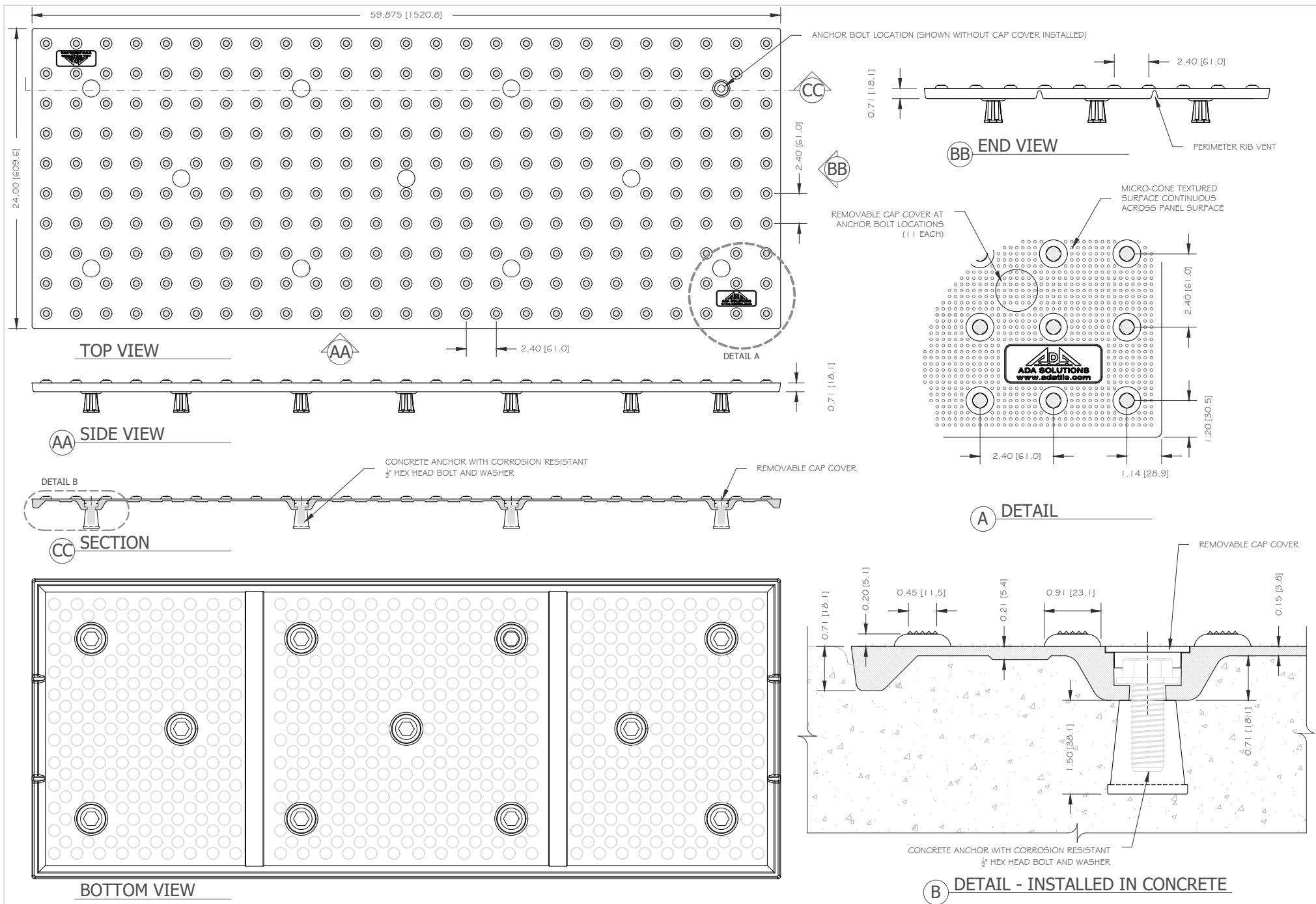
PHONE

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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 1 of 2

DATE

2023-05-19

DRAWING UNITS

INCHES [MM]

WEBSITE

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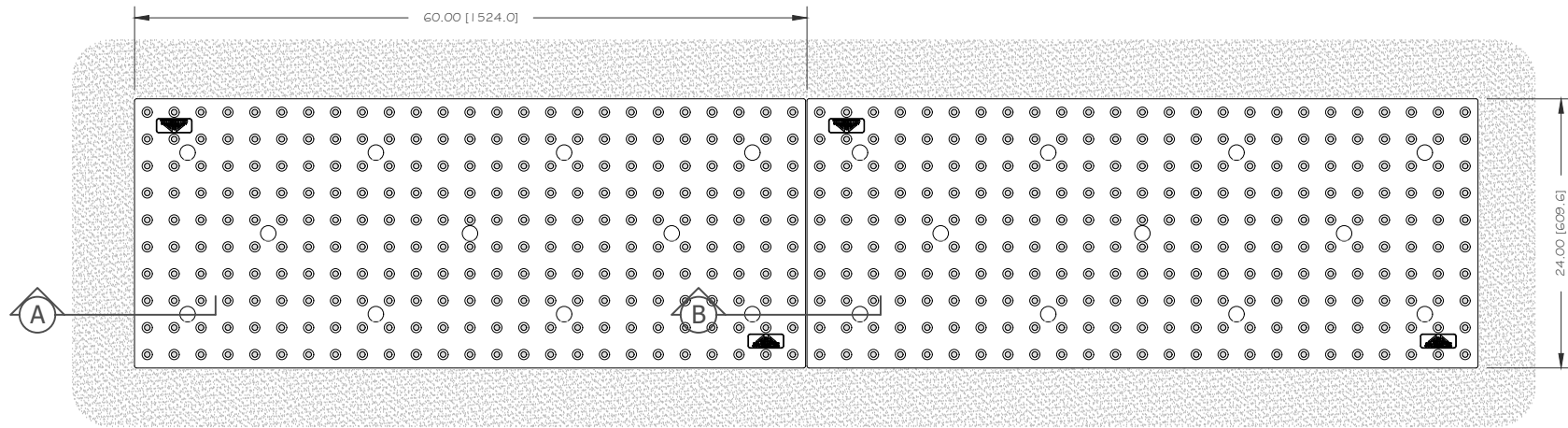
PHONE

1-800-372-0519

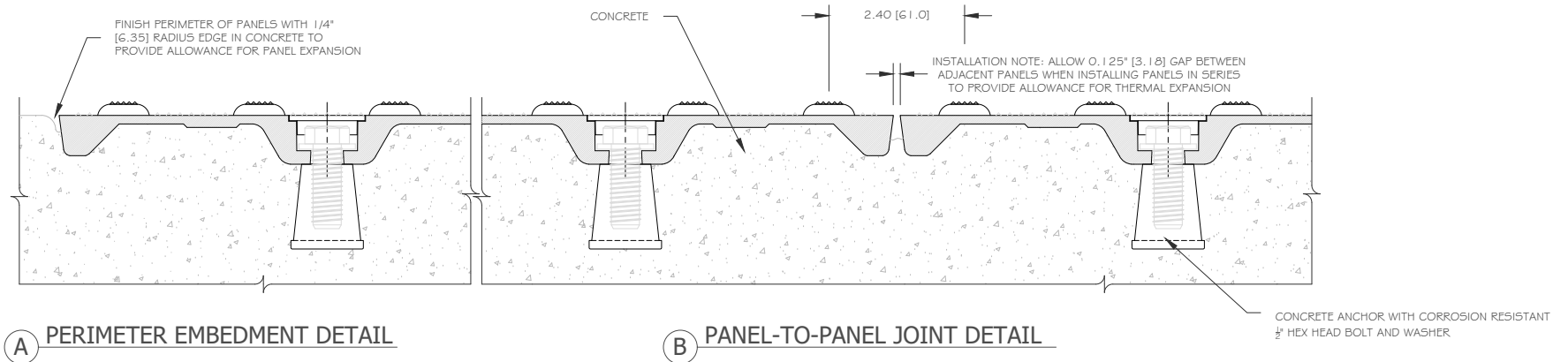
EMAIL

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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

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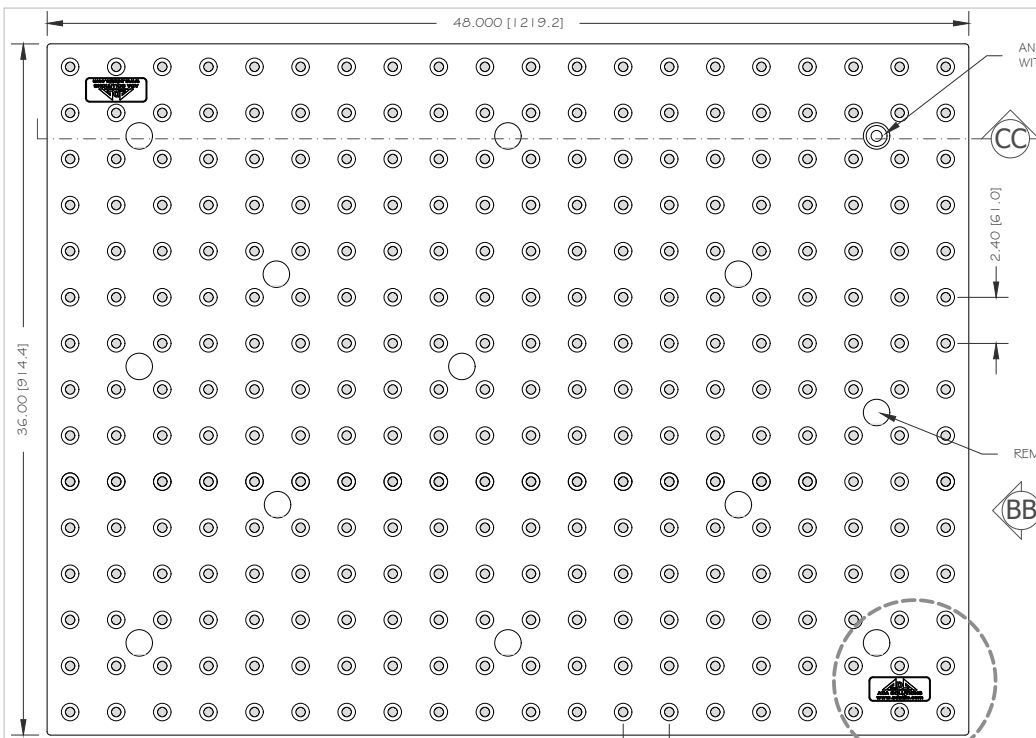
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1-800-372-0519

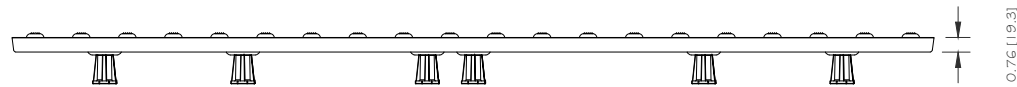
EMAIL

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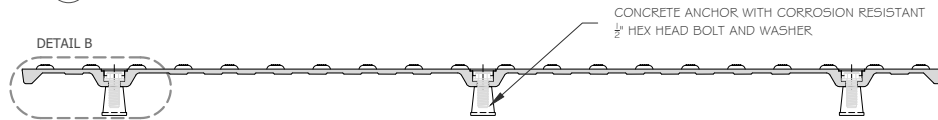




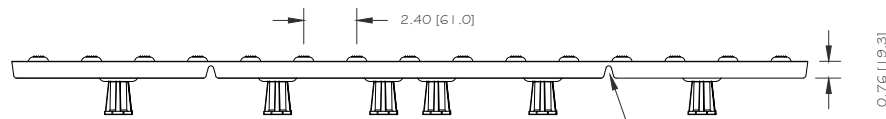
TOP VIEW



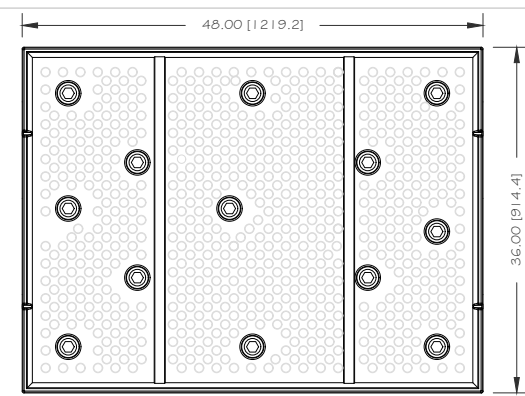
AA SIDE VIEW



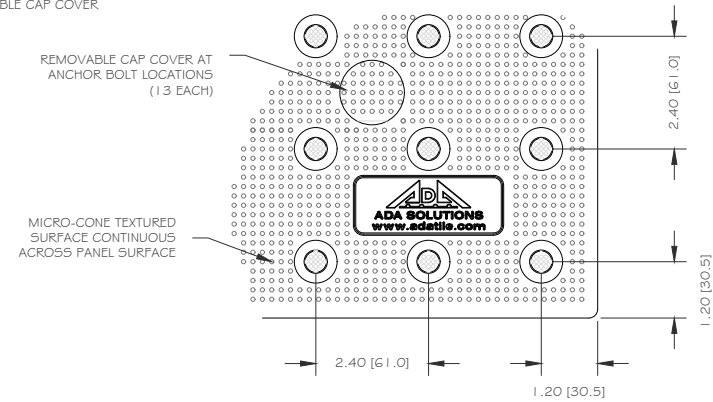
CC SECTION



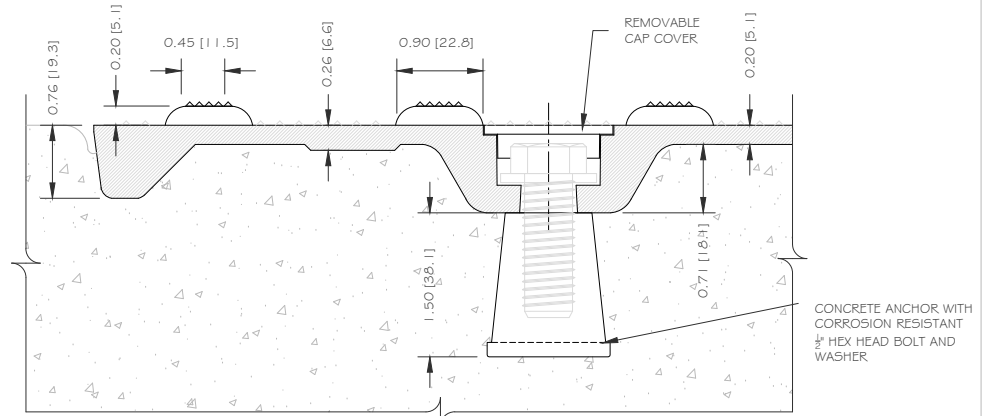
BB END VIEW



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]

WEBSITE

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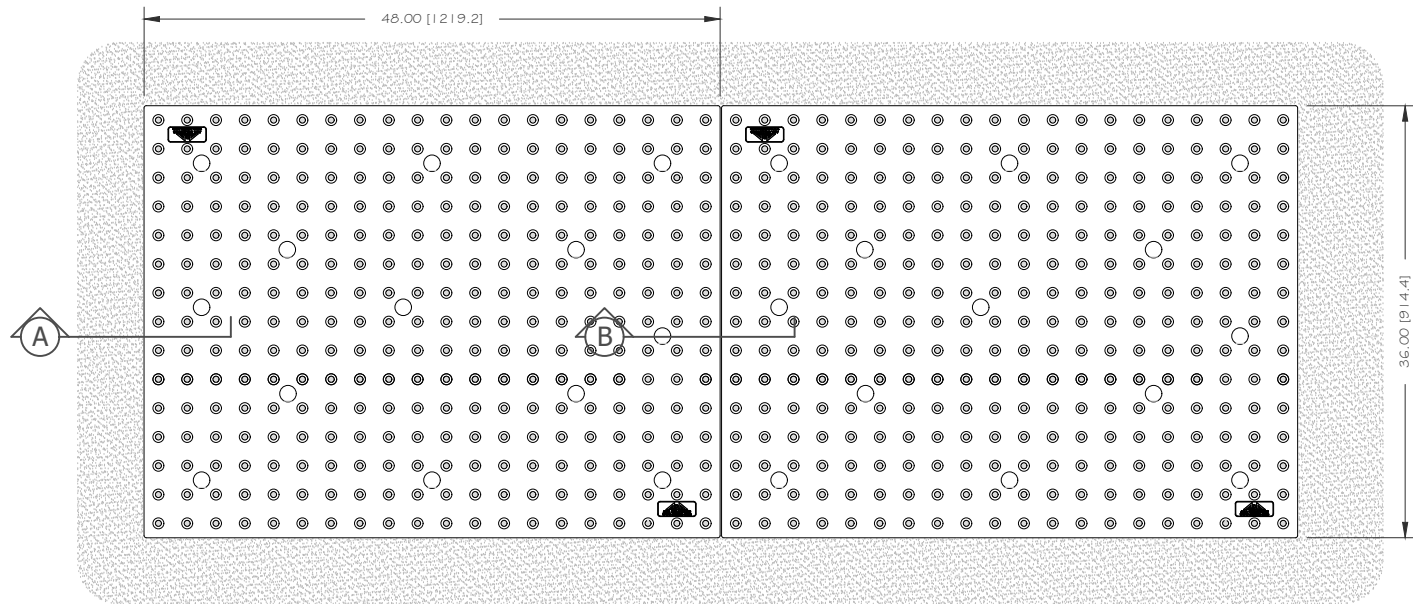
PHONE

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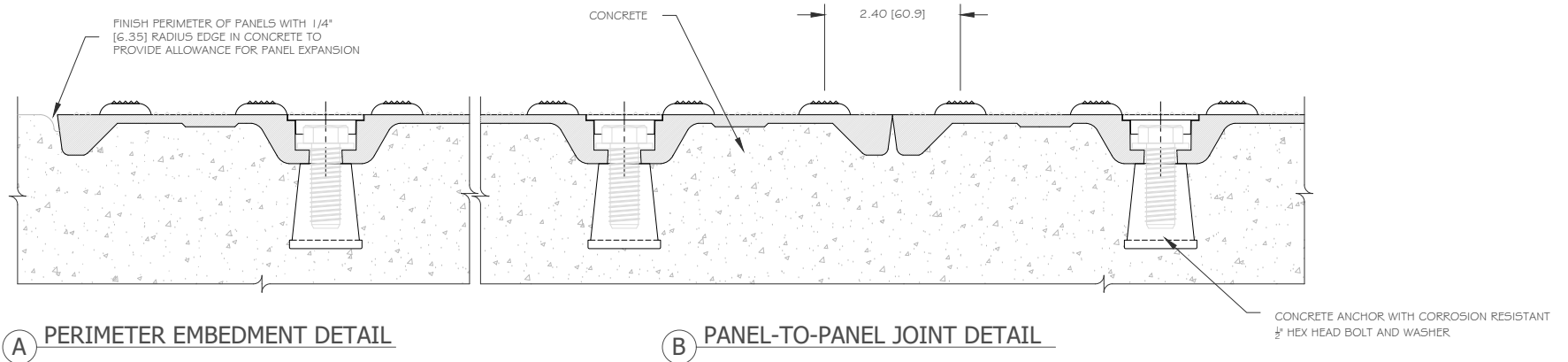
EMAIL

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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

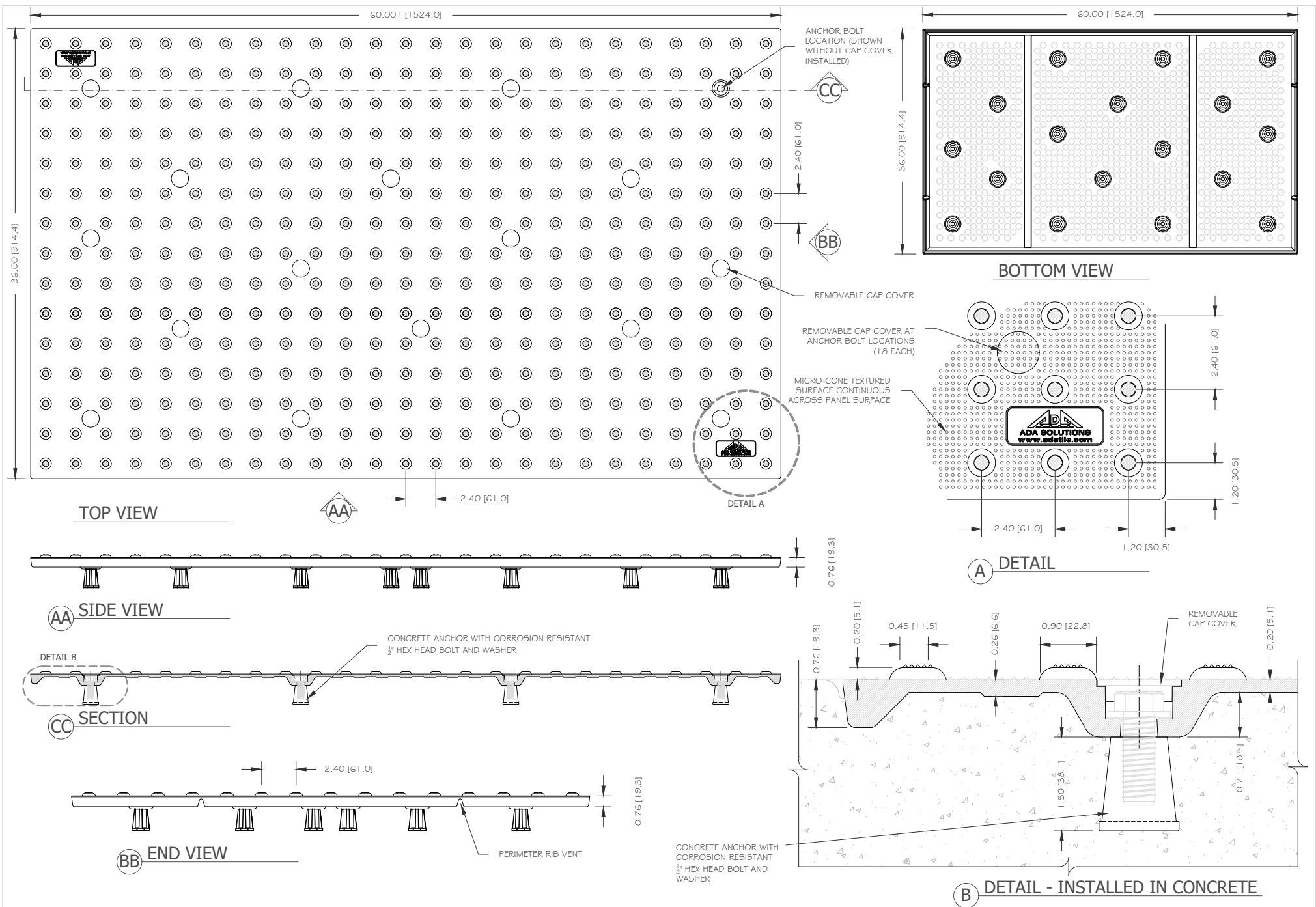
DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
 ADA-REP2-3648 Page 2 of 2

DATE
 2023-08-24

DRAWING UNITS
 INCHES [MM]

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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]

WEBSITE

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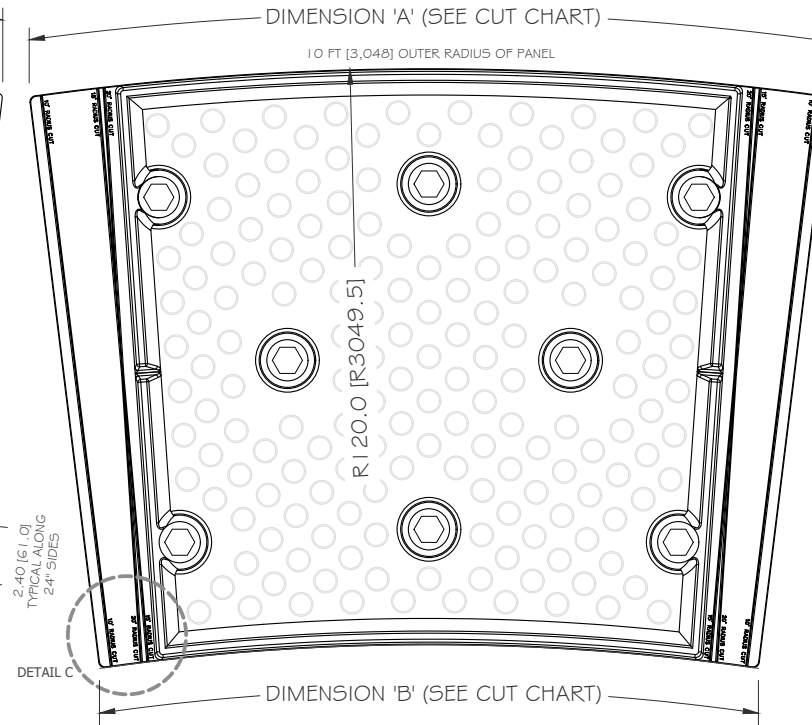
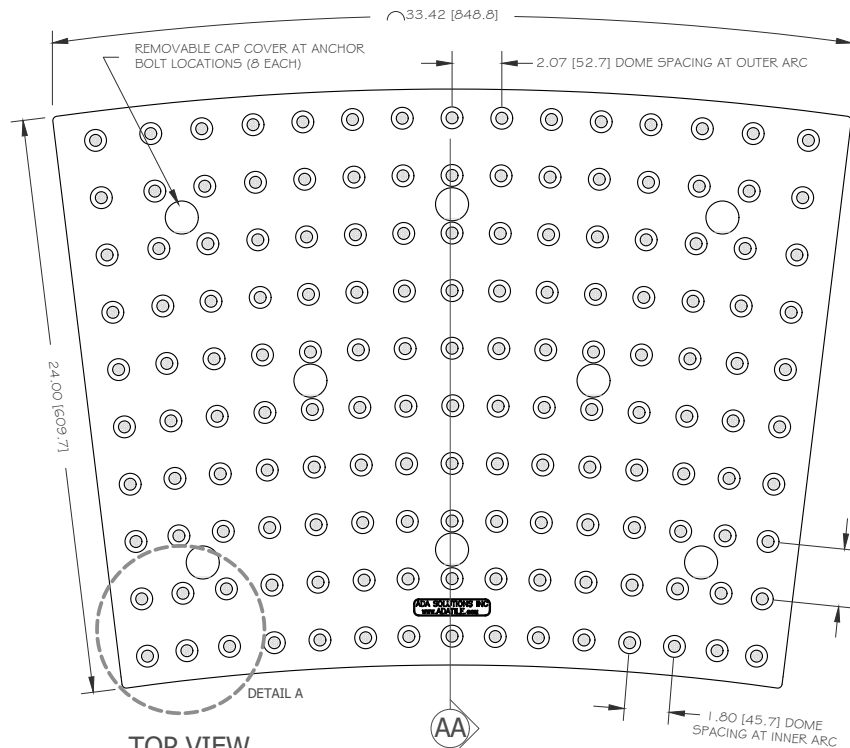
PHONE

1-800-372-0519

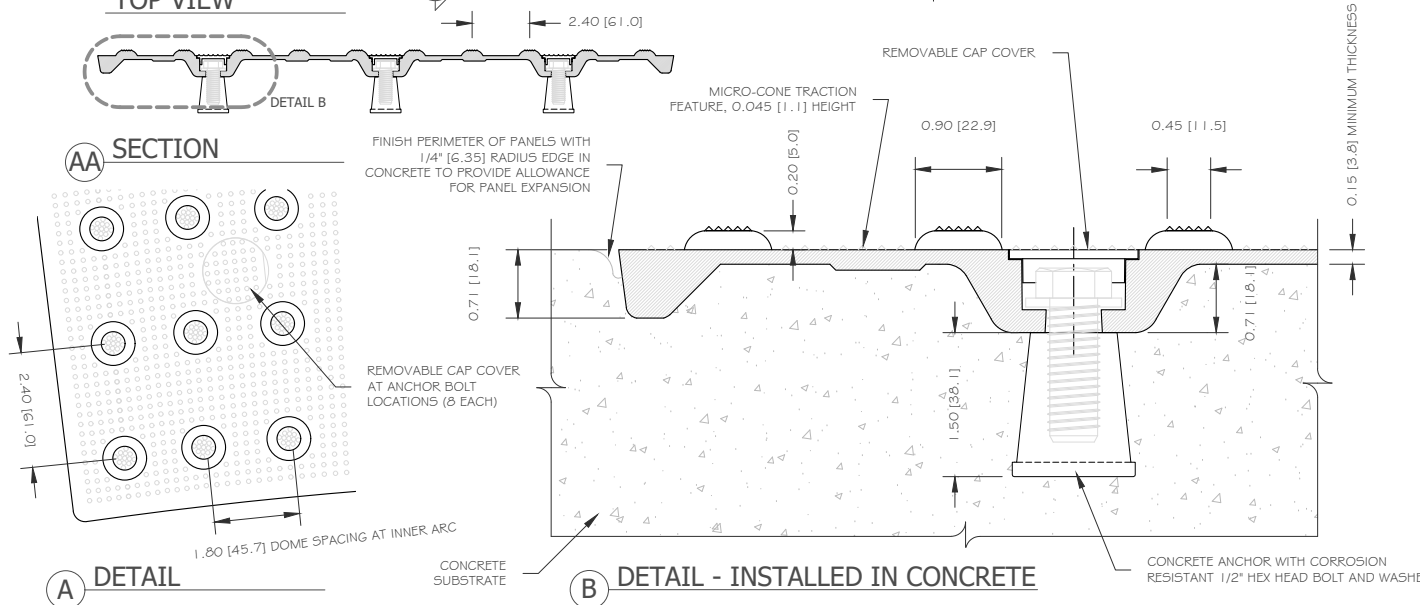
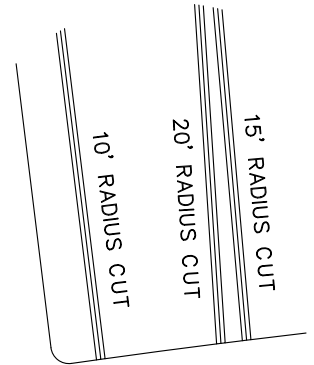
EMAIL

INFO@ADATILE.COM





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



IMPERIAL UNIT CUT CHART

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

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]

WEBSITE

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

HERITAGE BRICK PAVER

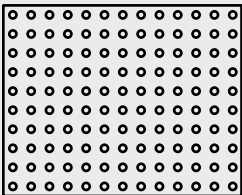
Heritage Brick Cast-In-Place Paver Detectable Warning Surface Panels provide an elevated look to the streetscape. It delivers the classic look of brick pavers without the maintenance and compliance issues common to brick. Fully ADA-compliant, the Heritage Brick CIP Paver is an ideal fit for downtown 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".



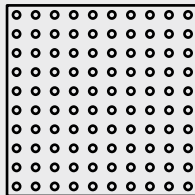
- Available in all standard and New Stonescape UV+ colors
- More durable than brick or concrete pavers
- Eliminates trip hazard and maintenance issues common to brick
- Permanent wet-set application
- ADAAG/PROWAG compliant
- Extremely durable design with embedment ribs spaced at 3 inches on center across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

PANEL SIZES

24" x 30"

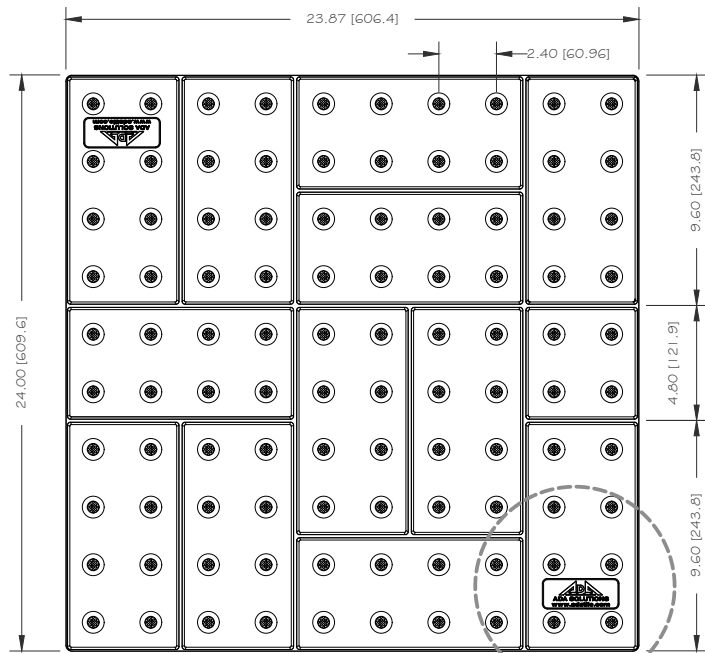


24" x 24"

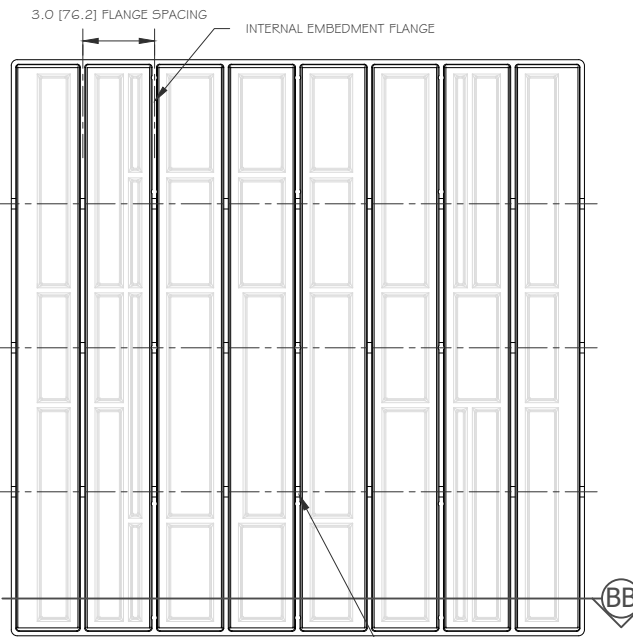


24" and 30" panel widths are installed in series to meet most common sidewalk widths. Panels can be easily field cut for non-standard or installations with complex geometry.



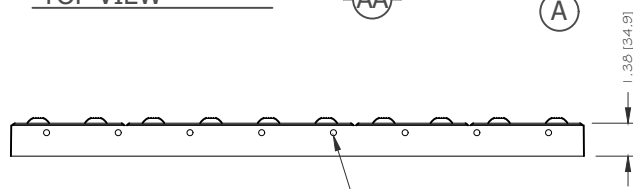


TOP VIEW



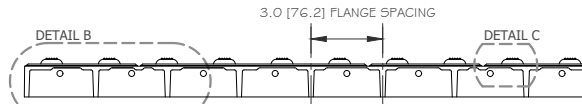
BOTTOM VIEW

0.437" [11.0] DIAMETER HOLES IN EMBEDMENT FLANGE. 3 PER FLANGE.

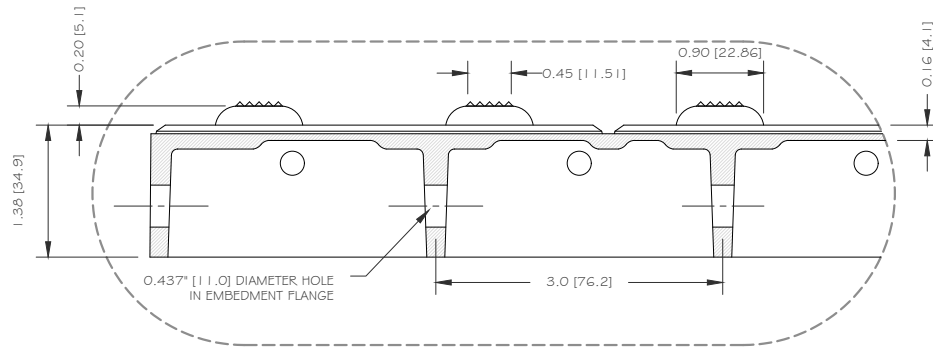


AA END VIEW

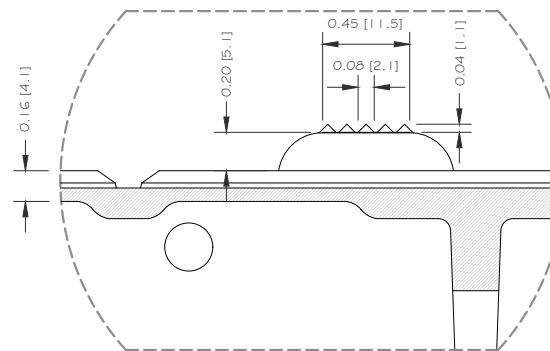
0.25" [6.35] DIAMETER VENT HOLES CENTERED BETWEEN EMBEDMENT FLANGES TO ALLOW AIR TO EXIT FROM CAVITIES DURING INSTALLATION INTO UNCURED CONCRETE.



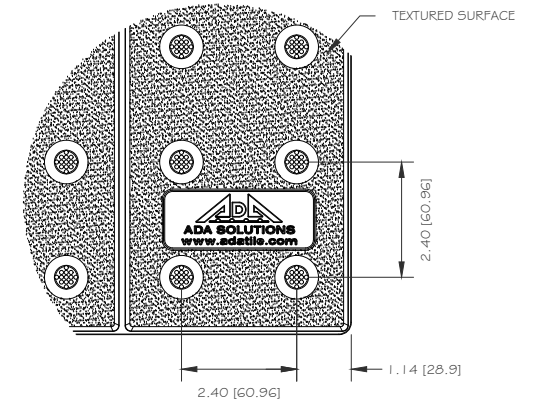
BB SECTION



B DETAIL



C DETAIL



A 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

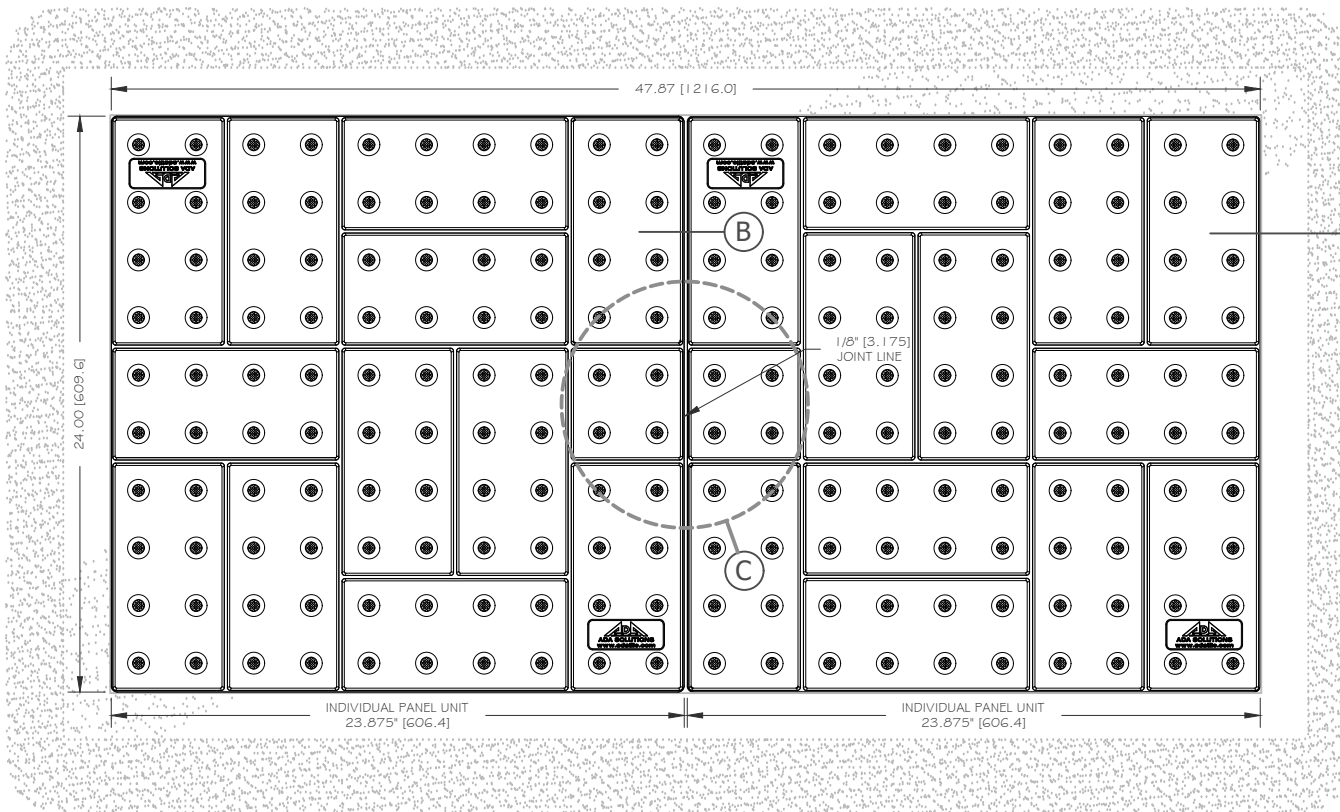
DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
 ADA-HBRICK2424_Page 1 of 2

DATE
 2021-11-18

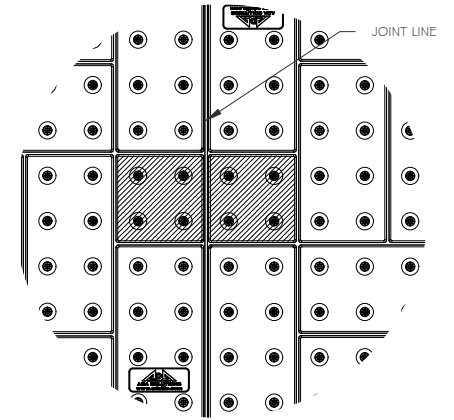
DRAWING UNITS
 INCHES [MM]

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



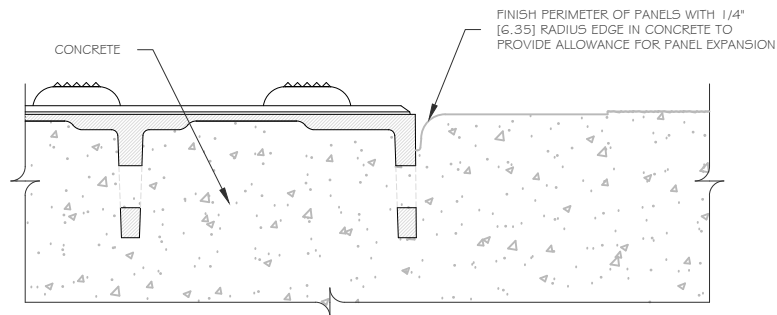


TO MAINTAIN MODIFIED BASKETWEAVE BRICK PATTERN FOR MULTIPLE PANEL INSTALLATIONS, ALIGN PANELS AT HALF-BRICK LOCATION FOUND ON EACH 24x24 PANEL (SHADED BELOW).

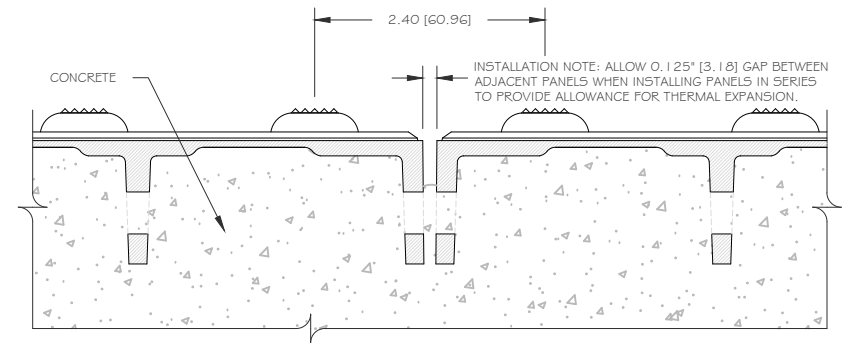


(C) PATTERN ALIGNMENT

EMBEDMENT TOP VIEW - 2'x4' LAYOUT



(A) PERIMETER EMBEDMENT DETAIL



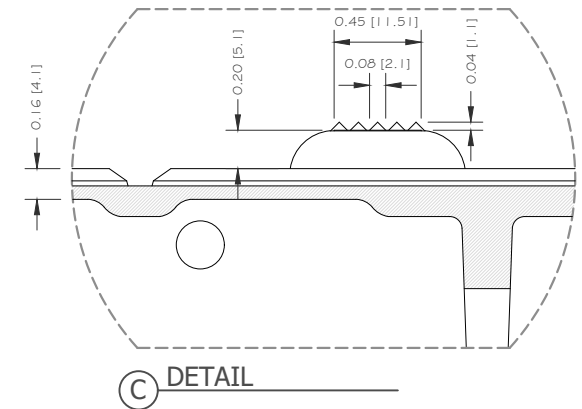
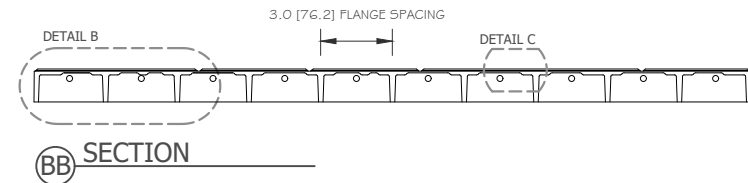
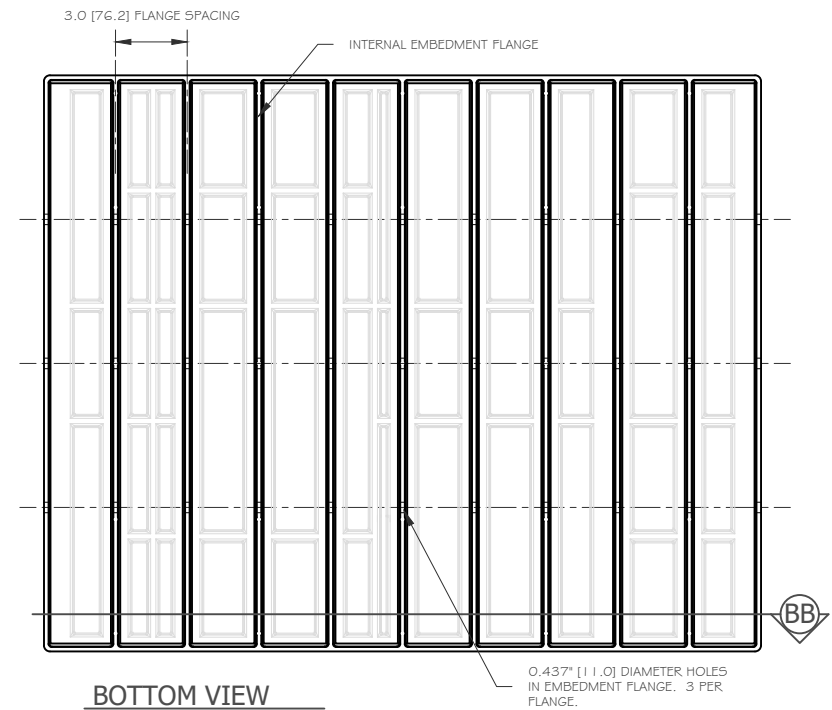
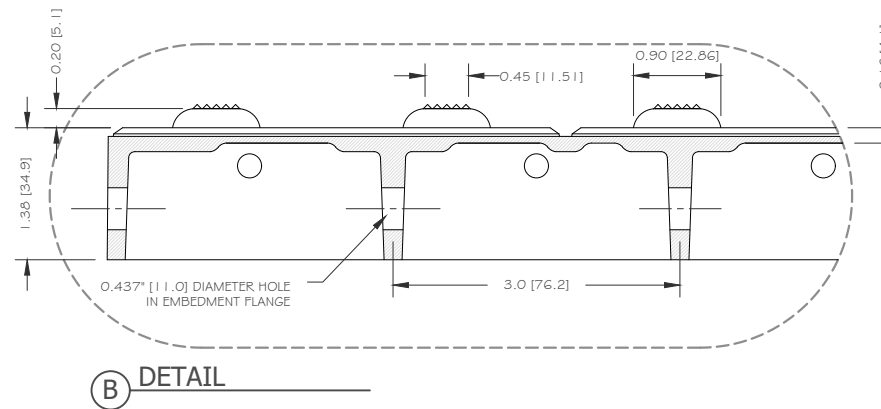
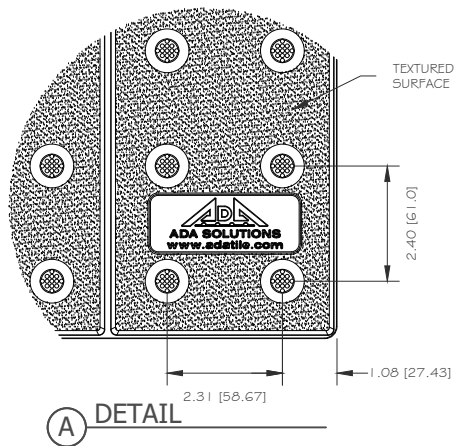
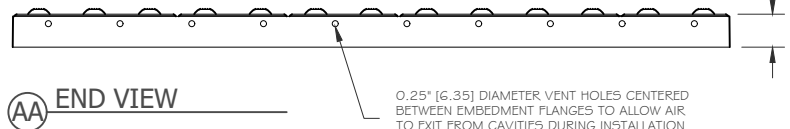
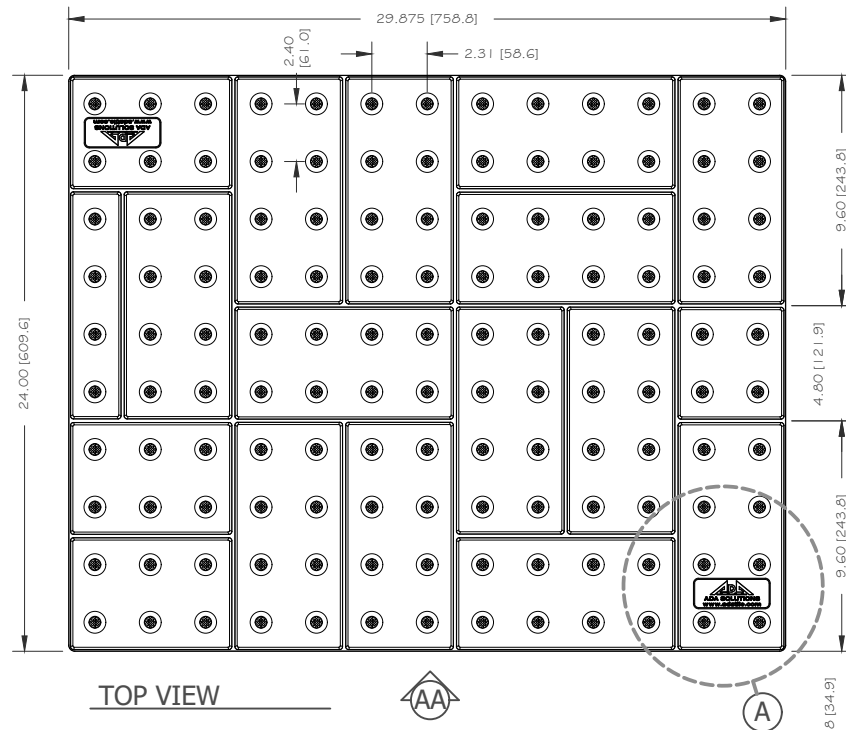
(B) PANEL-TO-PANEL JOINT DETAIL

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]

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





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)

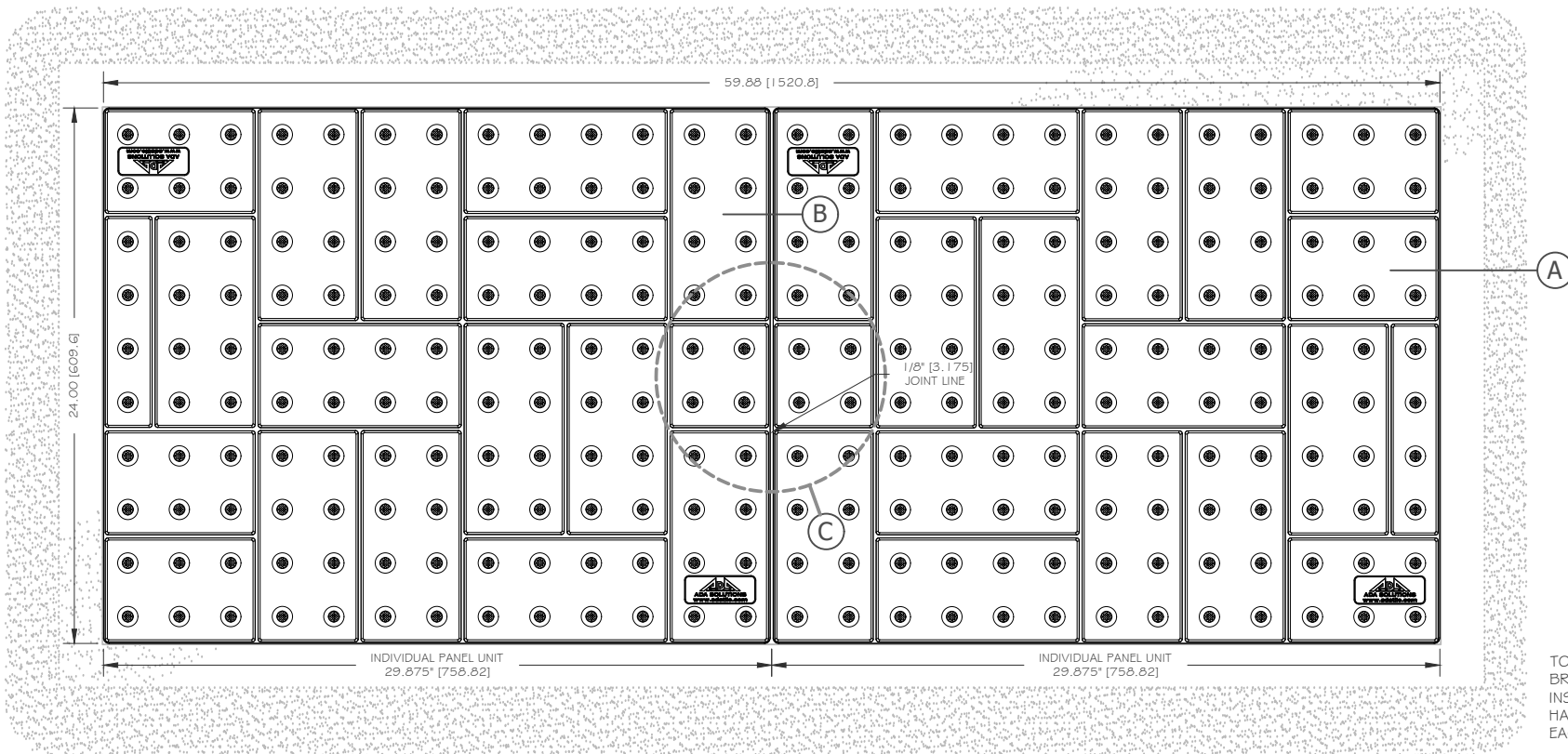
DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
 ADA-HBRICK2430_Page 1 of 2

DATE
 2021-11-18

DRAWING UNITS
 INCHES [MM]

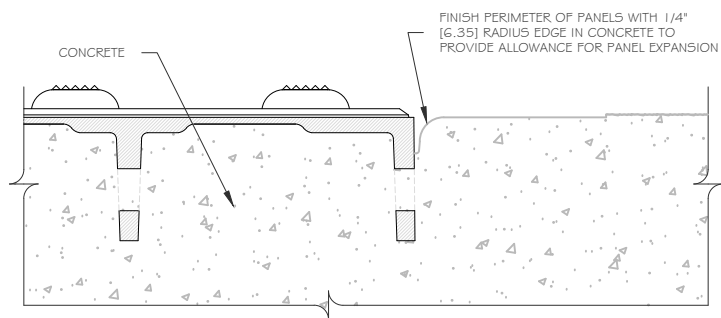
WEBSITE
 ADATILE.COM
 PHONE
 1-800-372-0519
 EMAIL
 INFO@ADATILE.COM



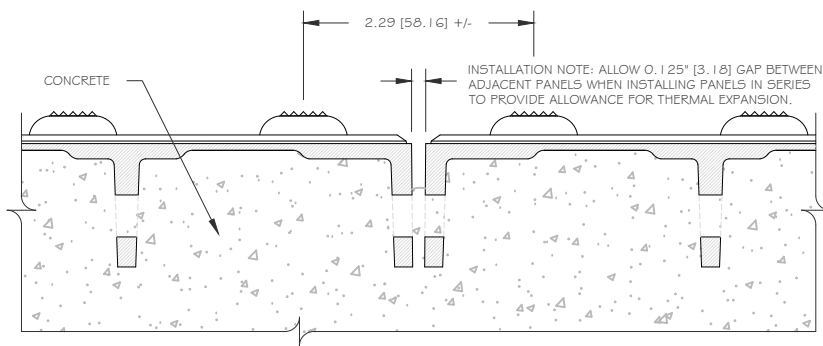


TO MAINTAIN MODIFIED BASKETWEAVE BRICK PATTERN FOR MULTIPLE PANEL INSTALLATIONS, ALIGN PANELS AT HALF-BRICK LOCATION FOUND ON EACH 24x30 PANEL (SHADED BELOW).

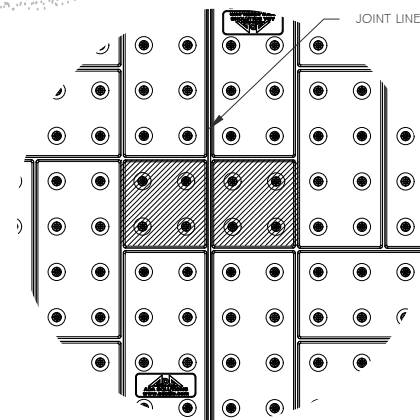
EMBEDMENT TOP VIEW - 2'x5' LAYOUT



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

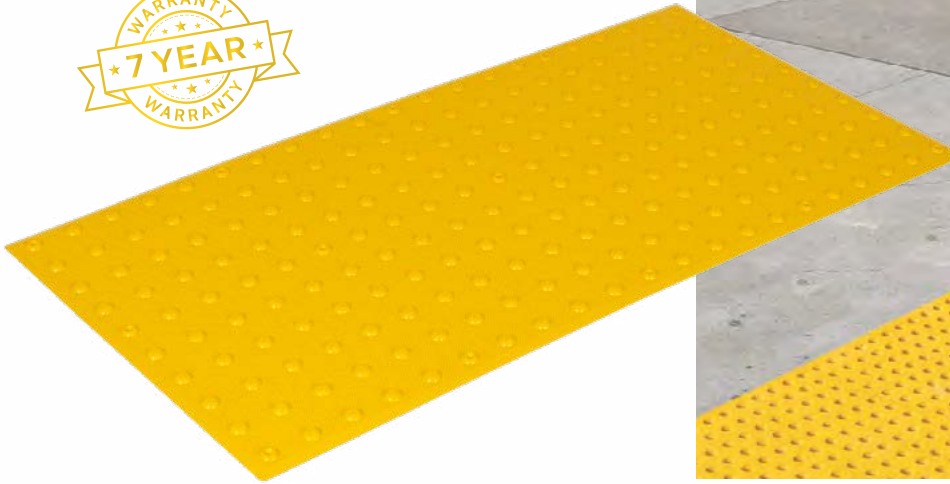
DATE
 2021-11-18
 DRAWING UNITS
 INCHES [MM]

WEBSITE
 ADATILE.COM
 PHONE
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 EMAIL
 INFO@ADATILE.COM



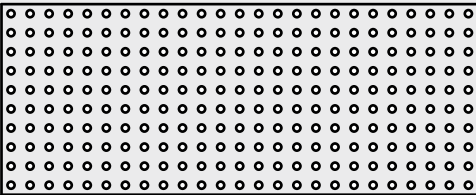
SURFACE-APPLIED / RETROFIT

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.

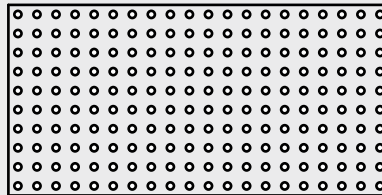


PANEL SIZES

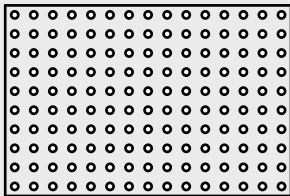
24" x 60"



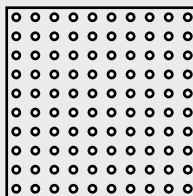
24" x 48"



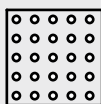
24" x 36"



24" x 24"



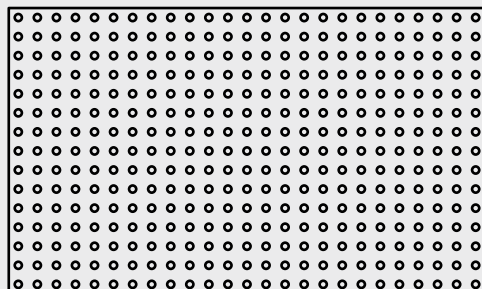
12" x 12"



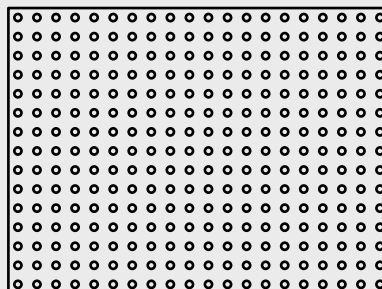
24" width meets minimum ADA requirements

36" width meets minimum California Building Code requirements

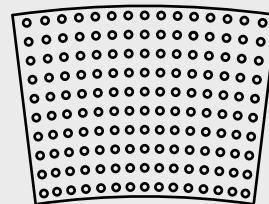
36" x 60"



36" x 48"



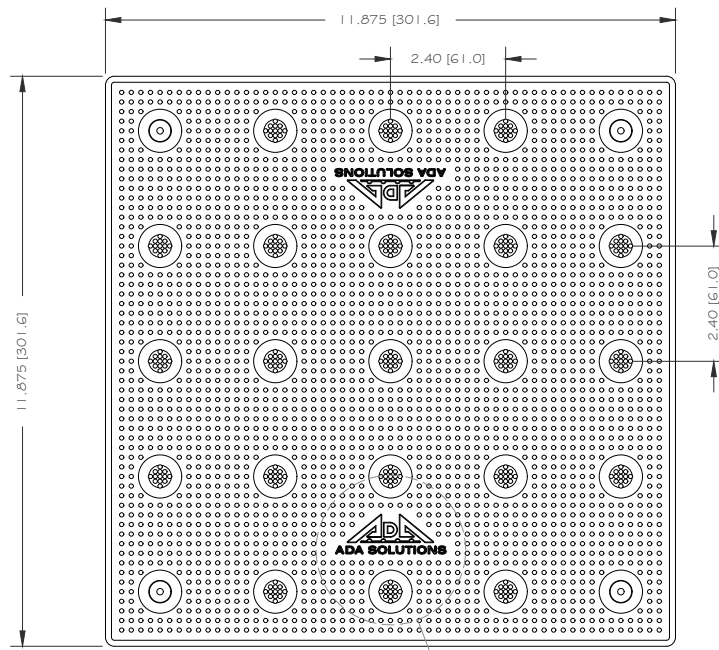
24" x 33"



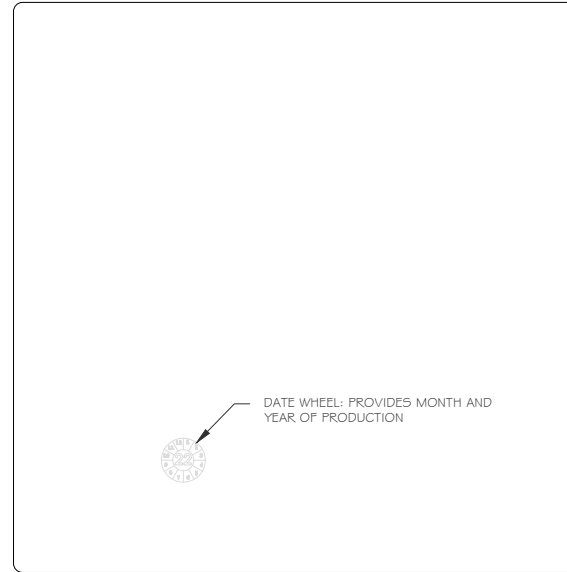
Radius

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

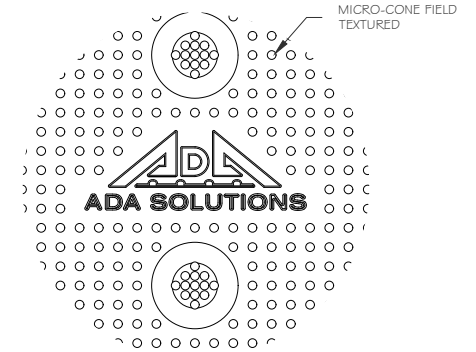




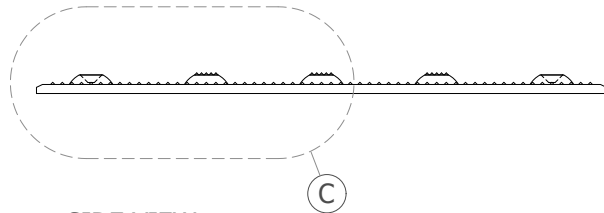
TOP VIEW



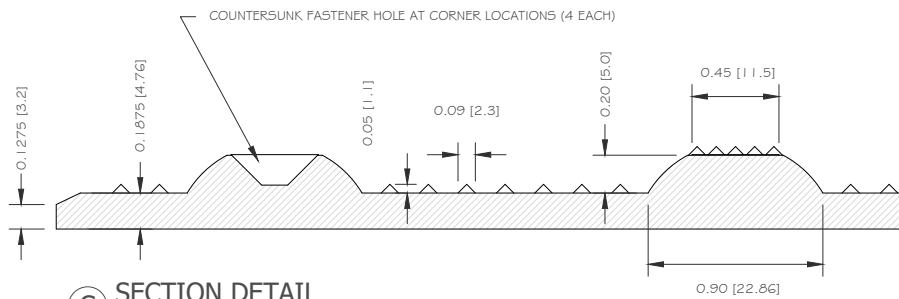
BOTTOM VIEW



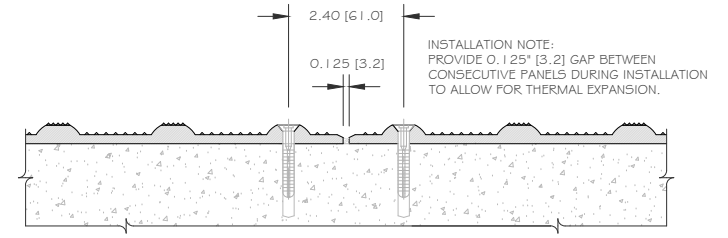
A LOGO DETAIL



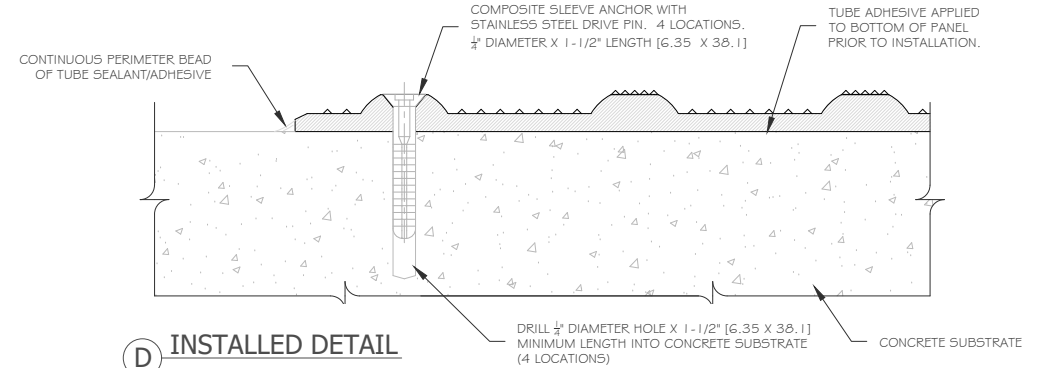
AA SIDE VIEW



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

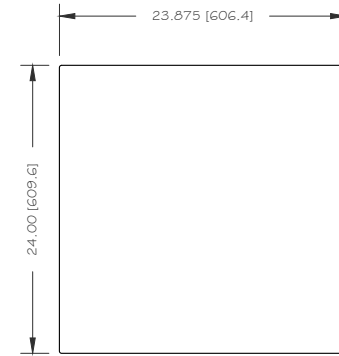
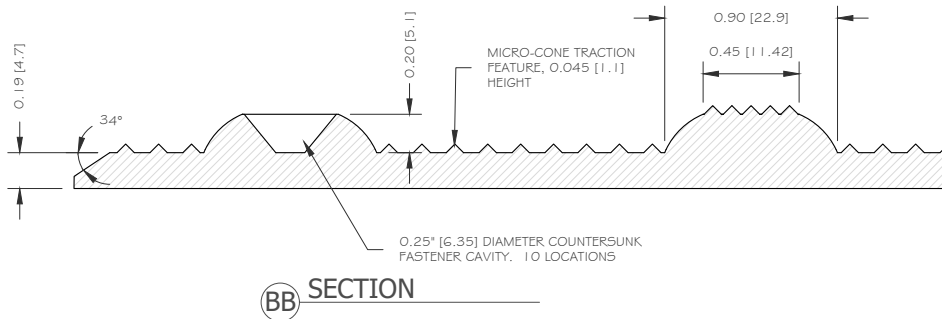
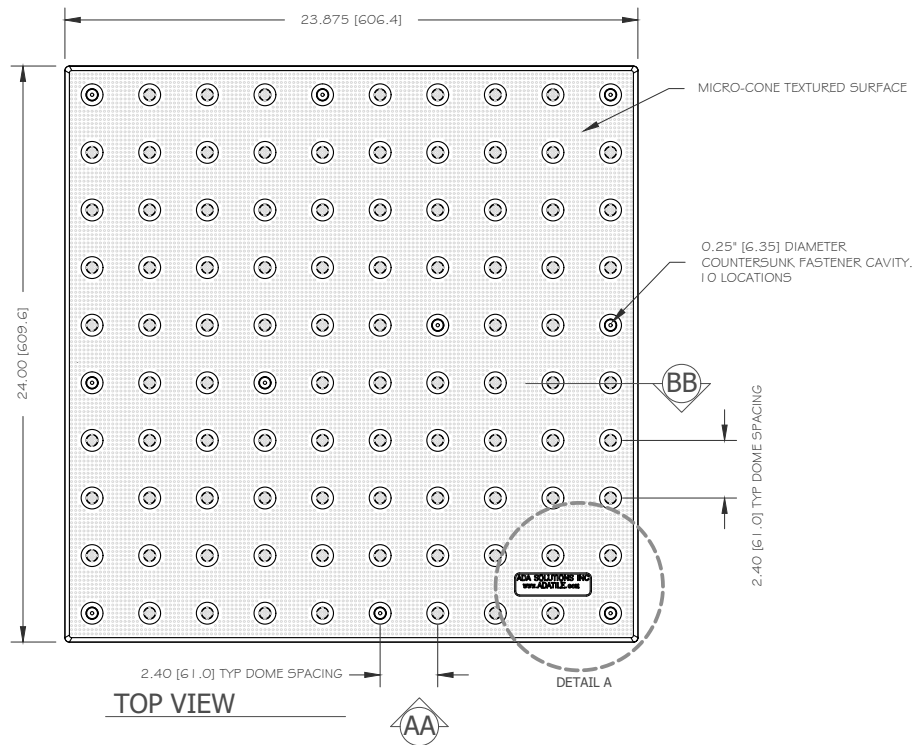
DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
 ADA-DWS1212 Surface Applied

DATE
 2022-06-10

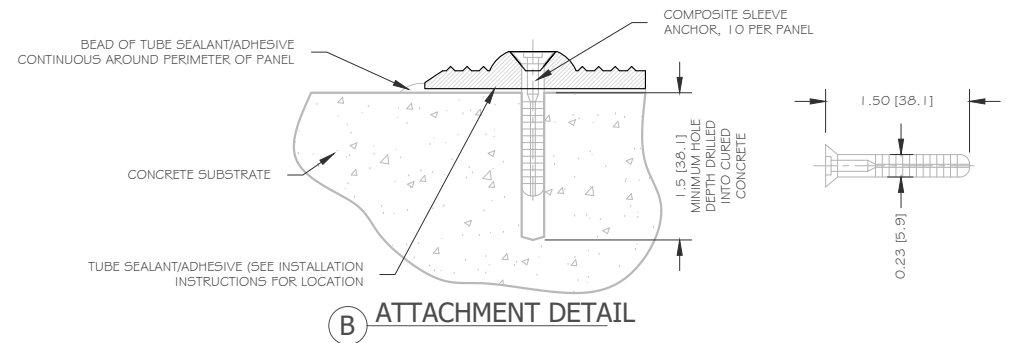
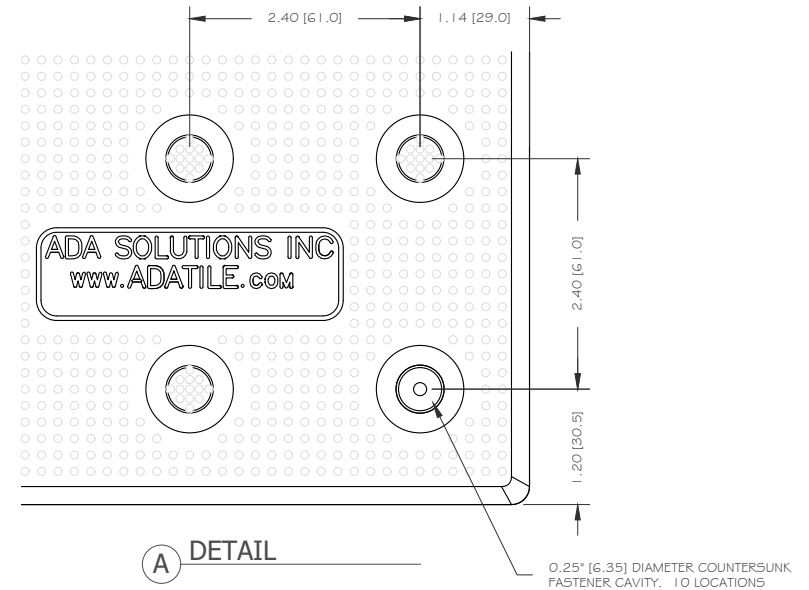
DRAWING UNITS
 INCHES [MM]

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

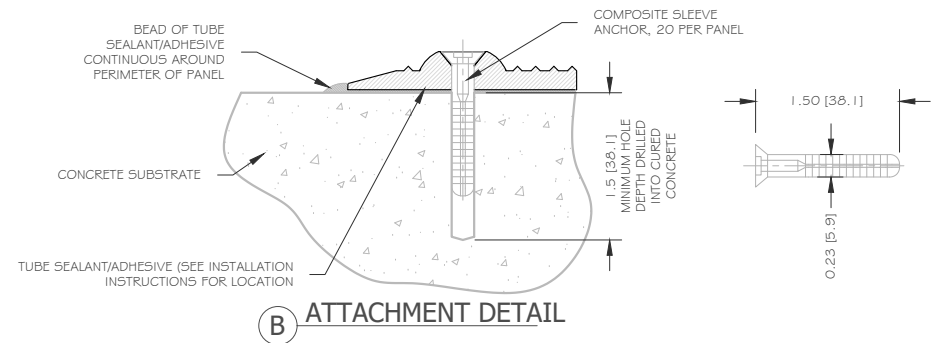
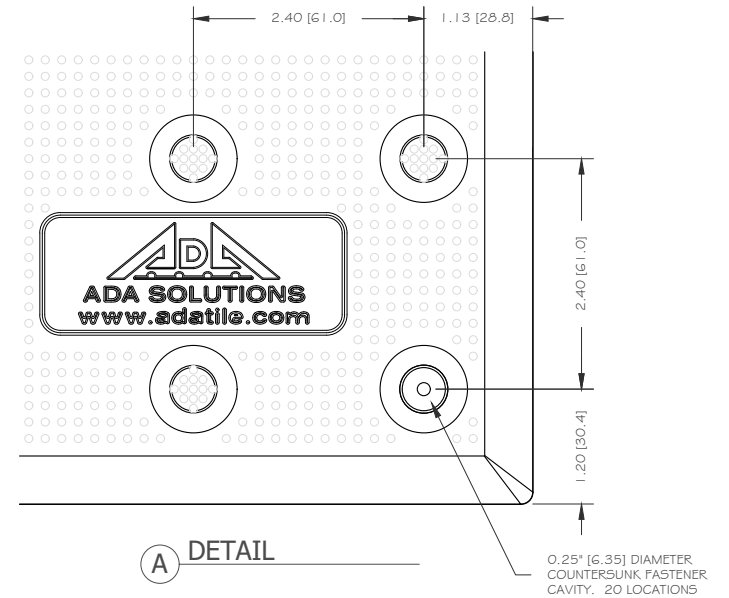
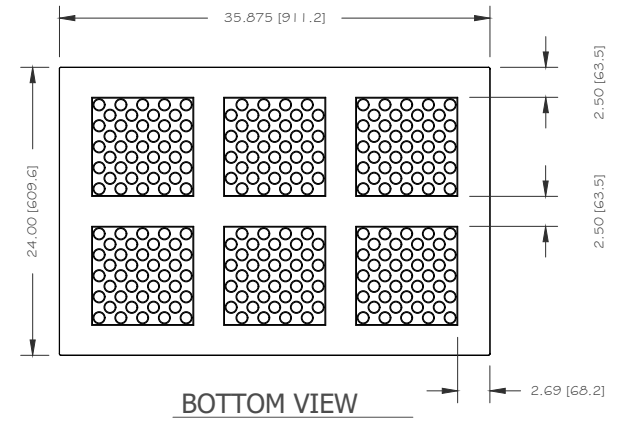
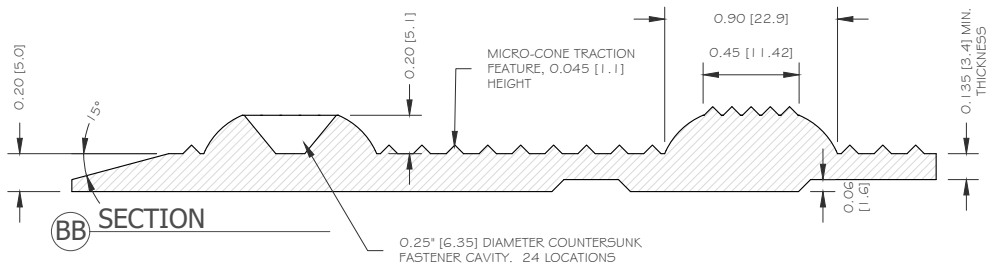
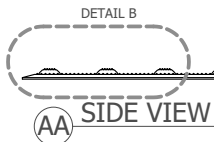
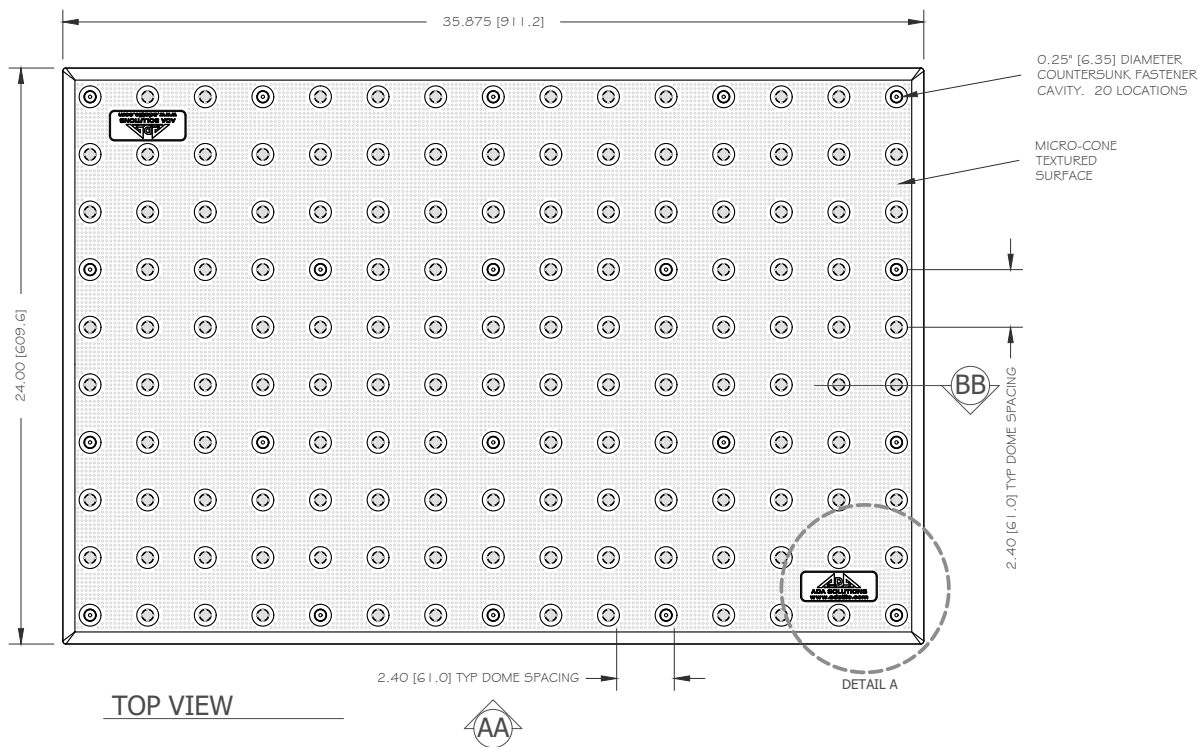
DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
 ADA-SURFAPP2424

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

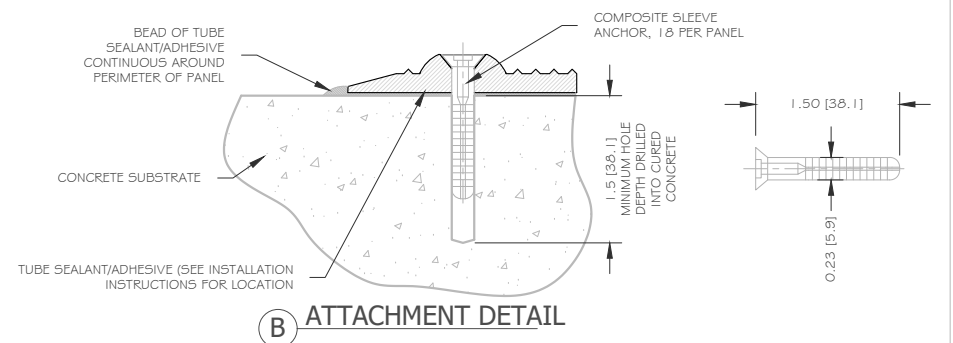
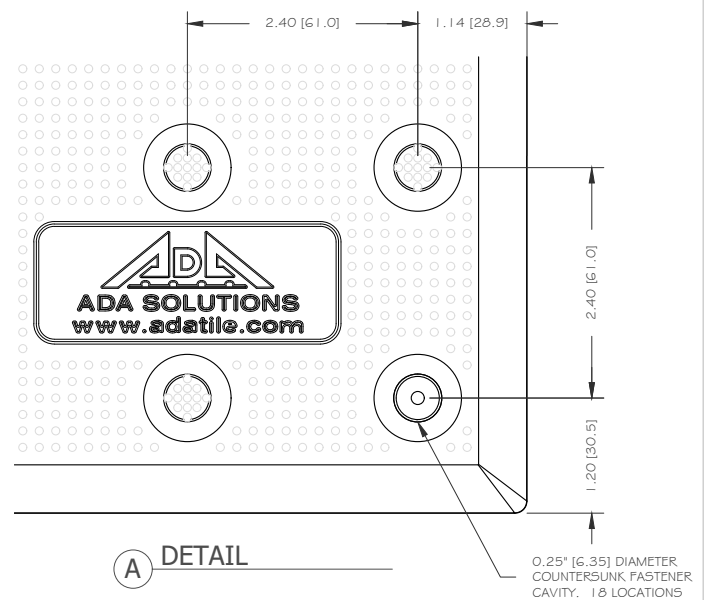
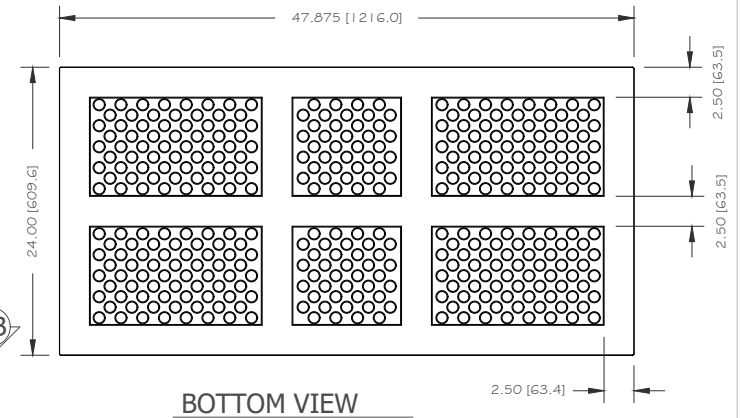
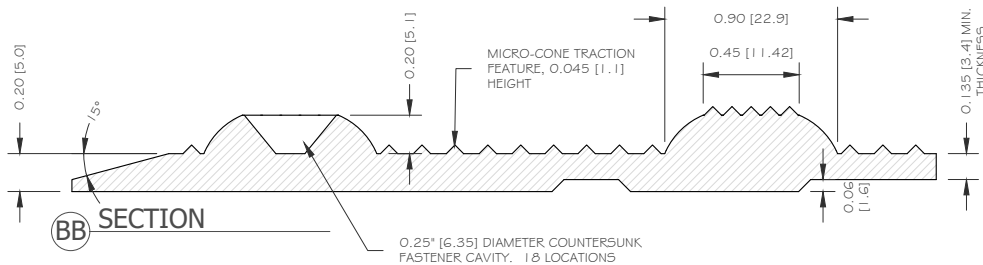
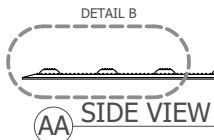
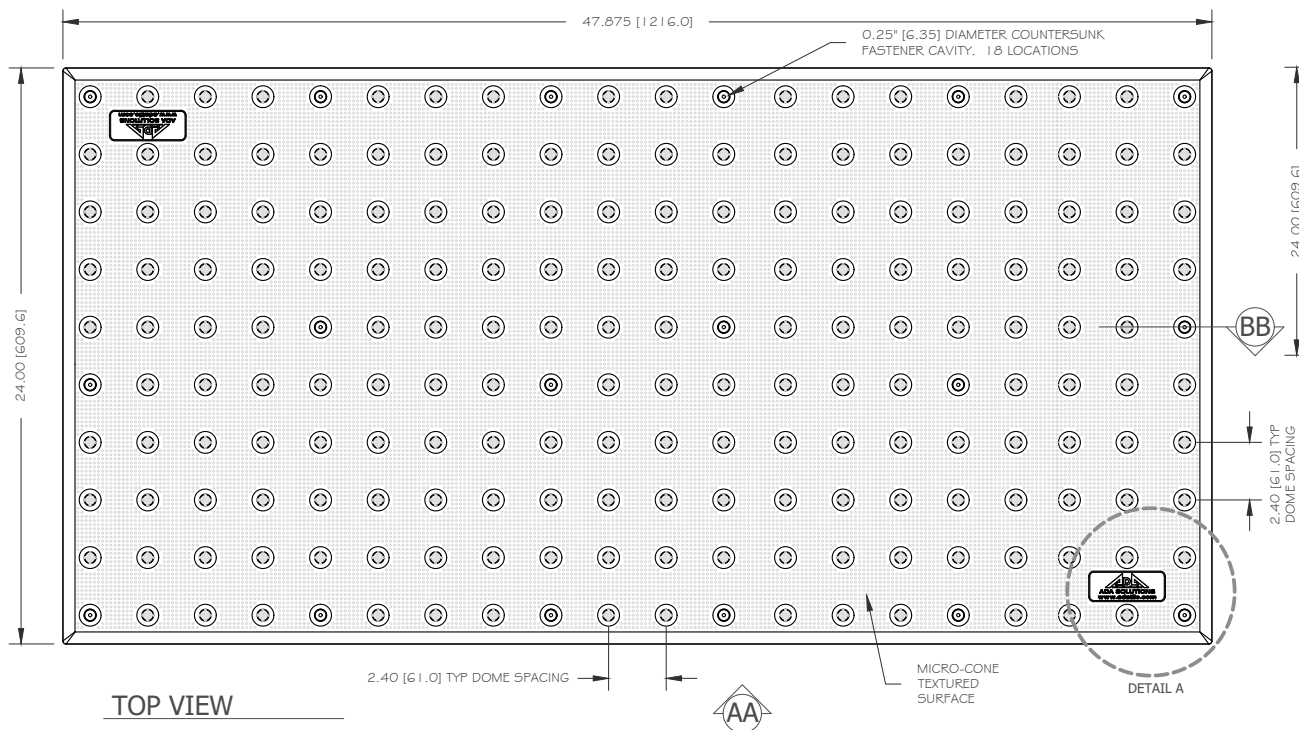
DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
 ADA-SURFAPP2436

DATE
 2023-08-23

DRAWING UNITS
 INCHES [MM]

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





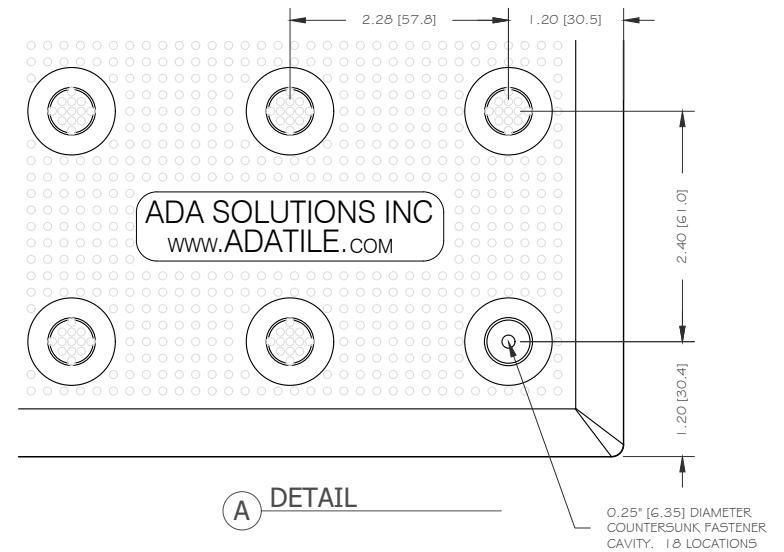
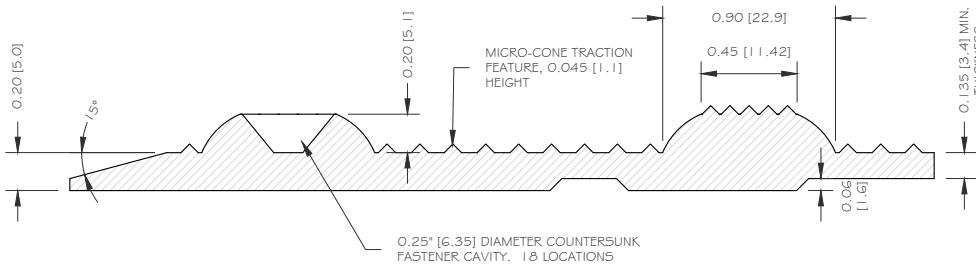
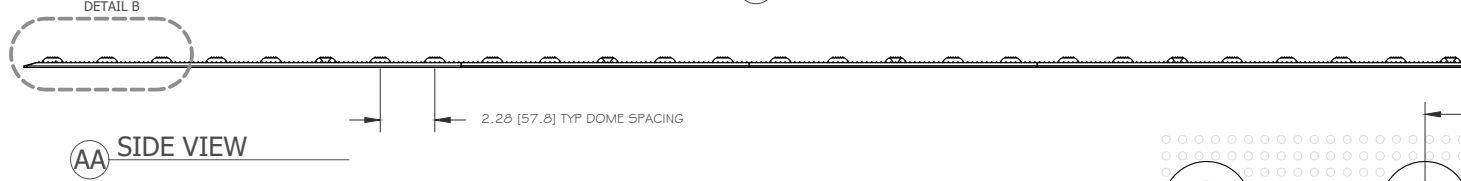
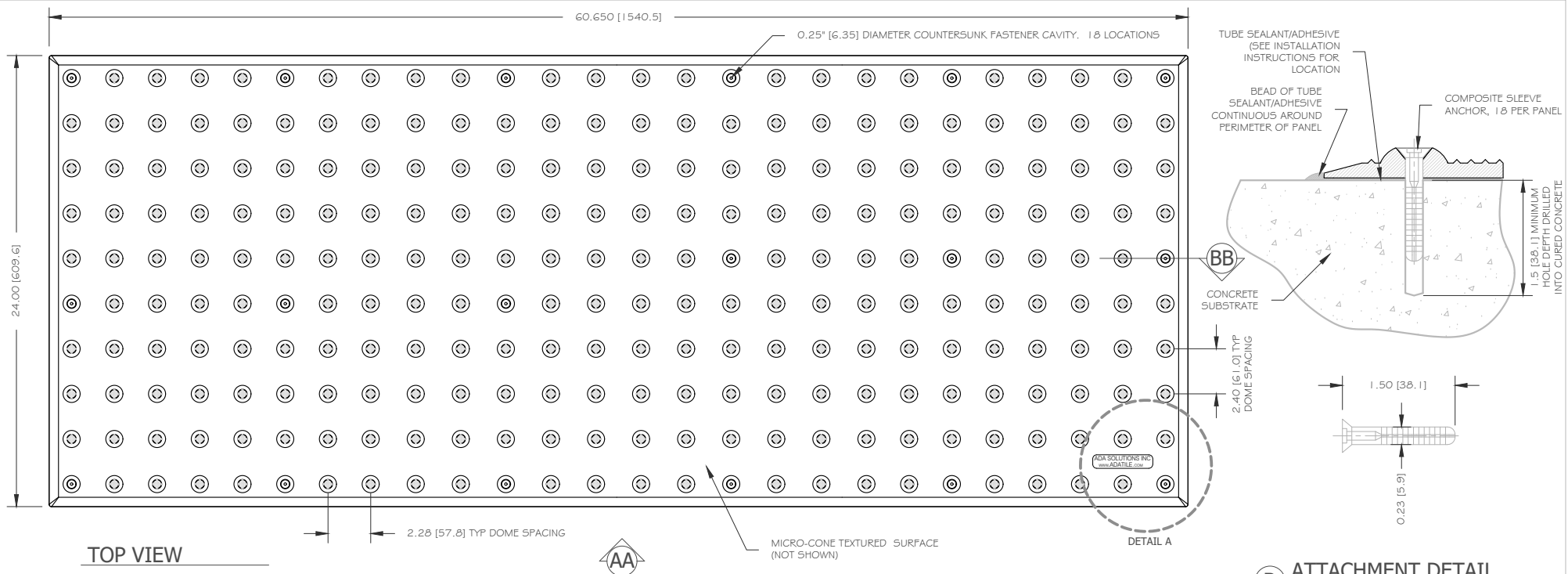
DETECTABLE WARNING SURFACE PANEL
Surface Applied Panel 24 x 48
 PART SIZE: 24" (609.6 MM) X 47.875" (1216.0 MM)
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

DIVISION
 TACTILE WALKING SURFACE INDICATORS
 MATERIAL
 FIBERGLASS REINFORCED POLYMER COMPOSITE SMC
 DRAWING NUMBER
 ADA-SURFAPP2448

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 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

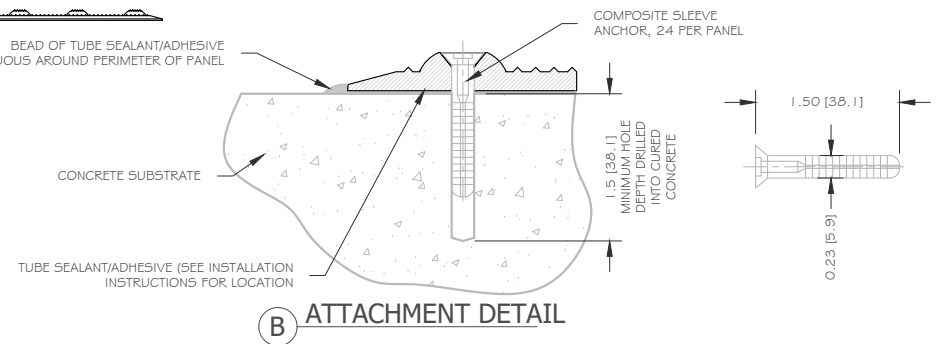
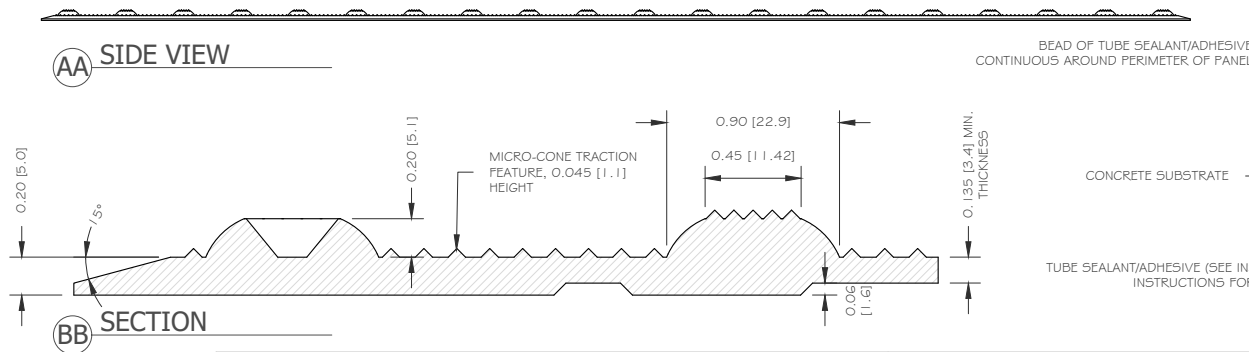
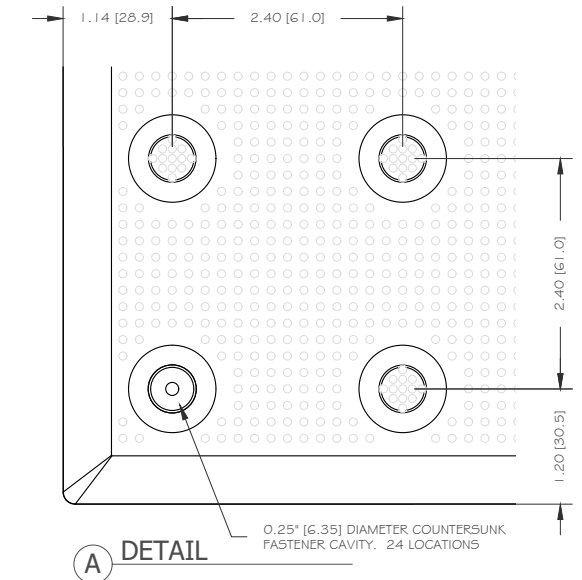
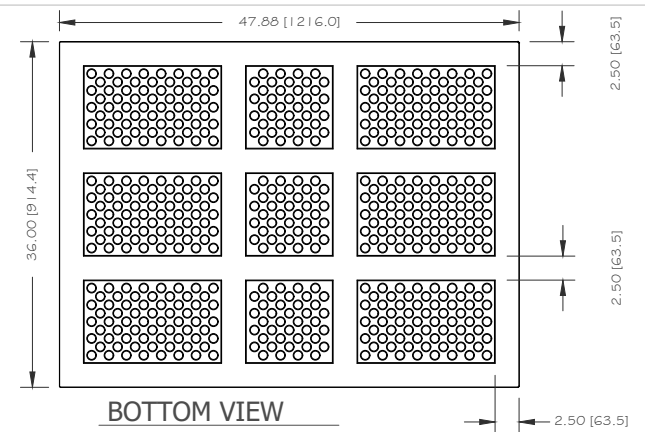
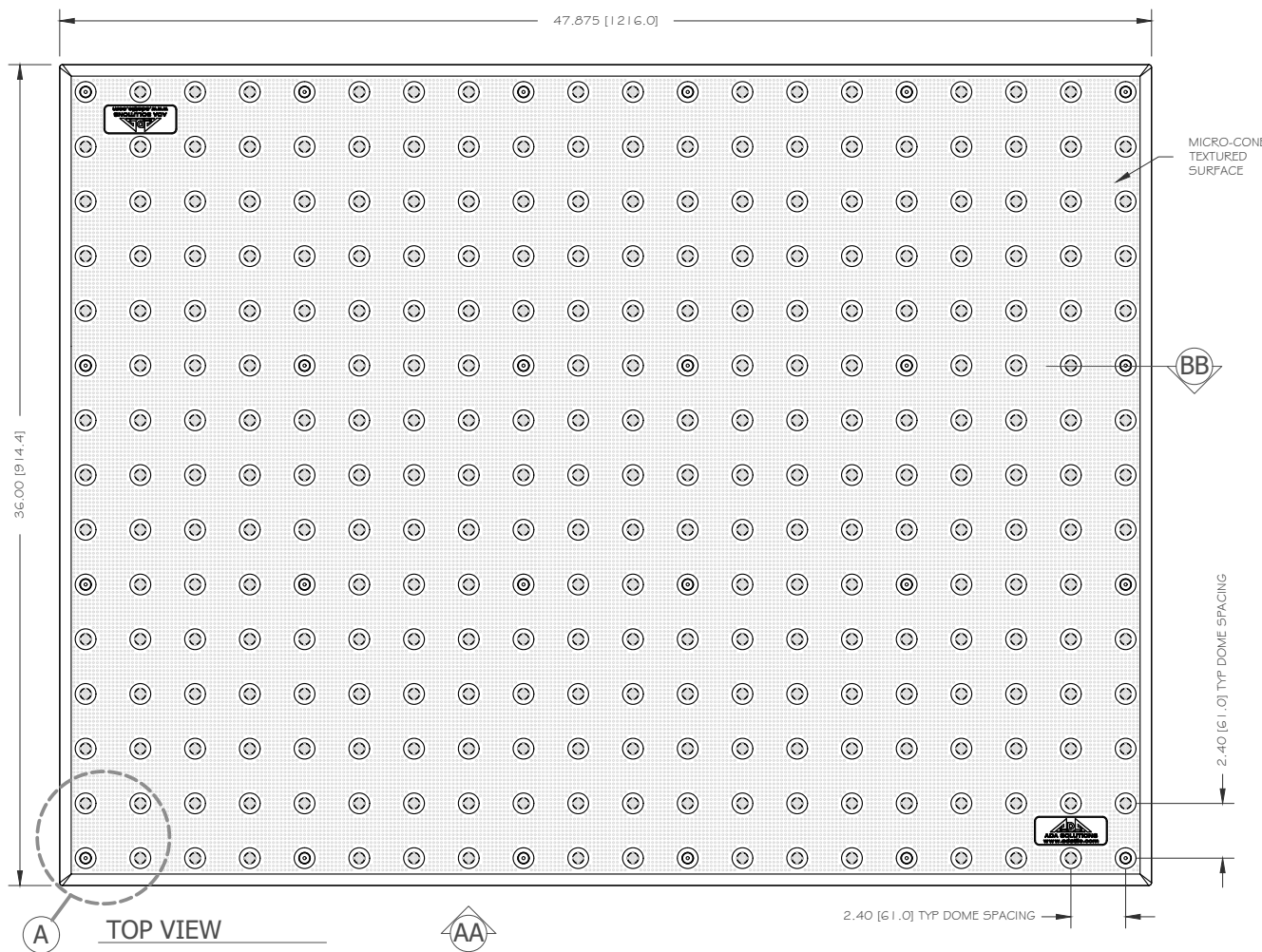
DRAWING NUMBER
ADA-SURFAPP2460

WEBSITE
ADATILE.COM

PHONE
1-800-372-0519

EMAIL
INFO@ADATILE.COM





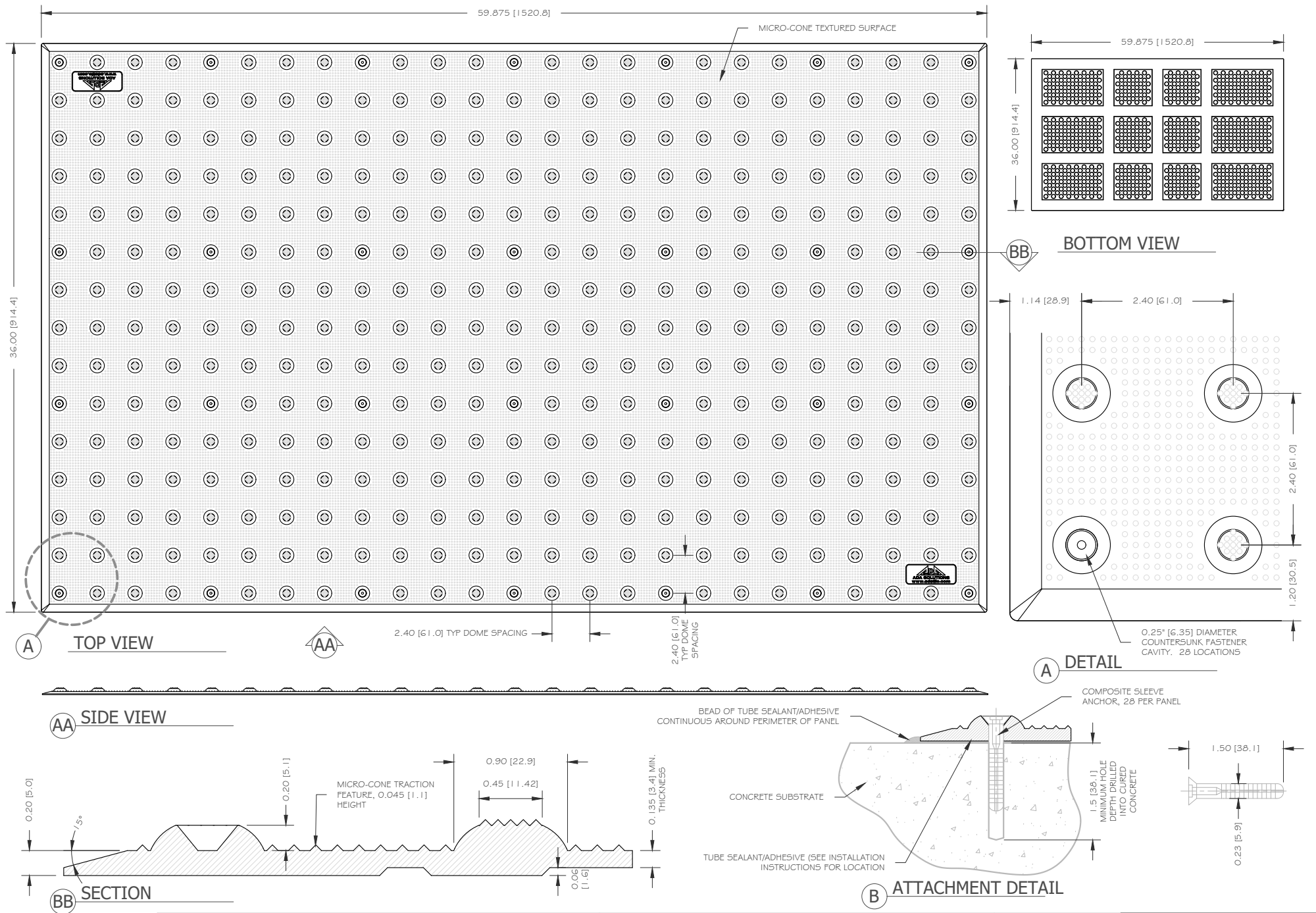
DETECTABLE WARNING SURFACE PANEL
Surface Applied Panel 36 x 48
 PART SIZE: 36" (914.4 MM) X 47.875" (1,216 MM)
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

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





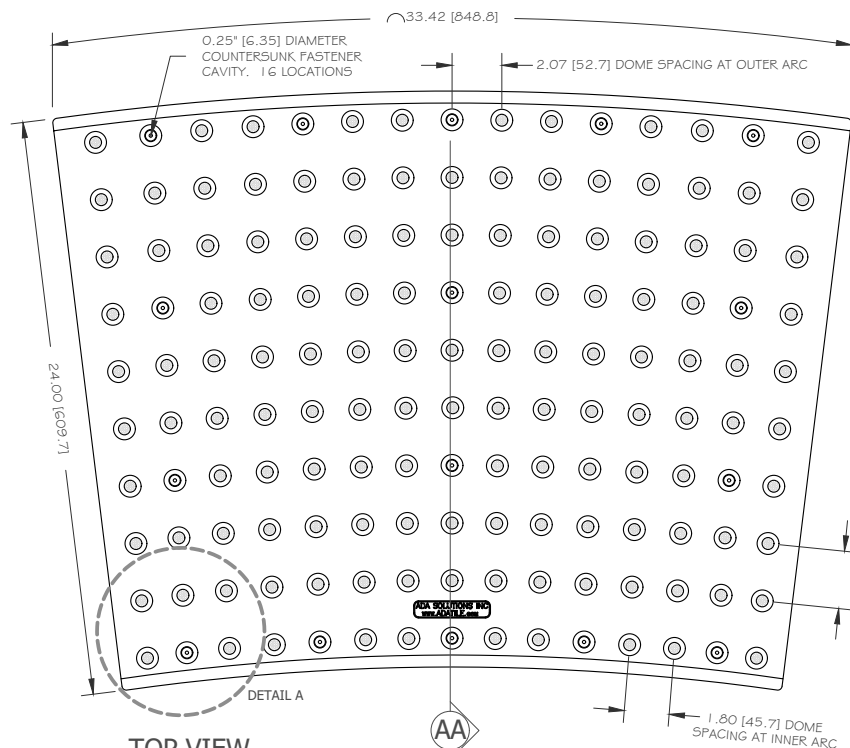
DETECTABLE WARNING SURFACE PANEL
Surface Applied Panel 36 x 60
 PART SIZE: 36" (914.4 MM) X 59.875" (1,520.8 MM)
 2.40" (60.96 MM) IN-LINE TRUNCATED DOME SPACING

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

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

WEBSITE
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 INFO@ADATILE.COM

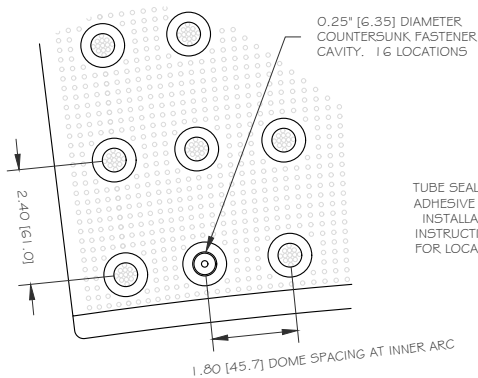




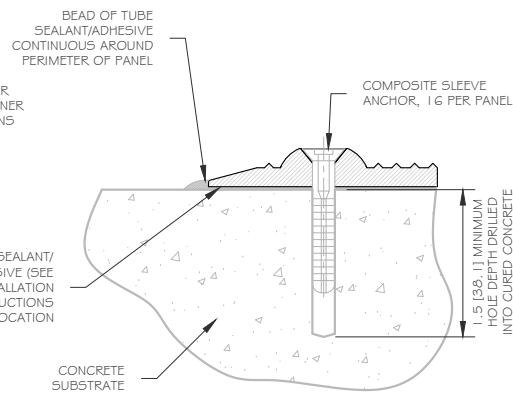
TOP VIEW



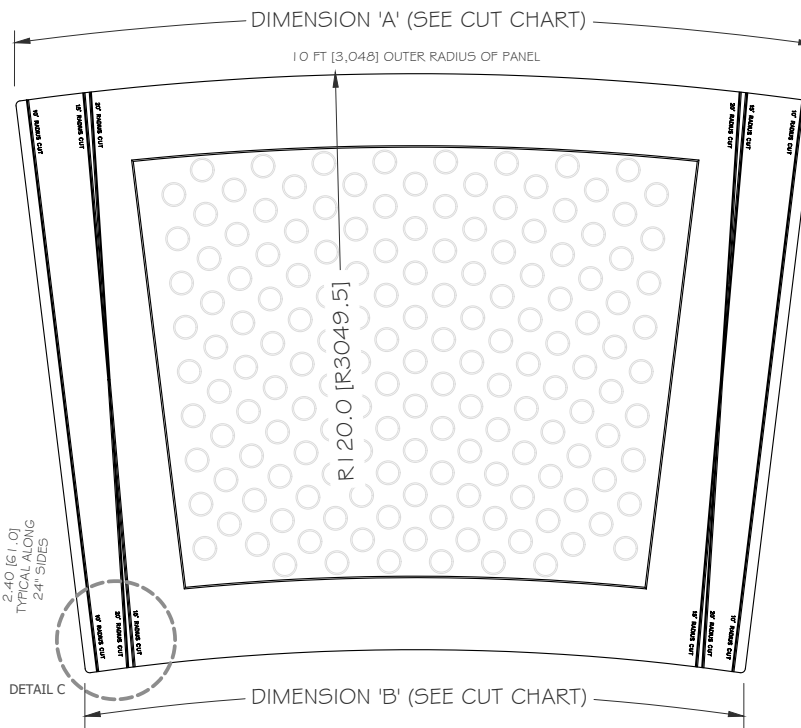
AA SECTION



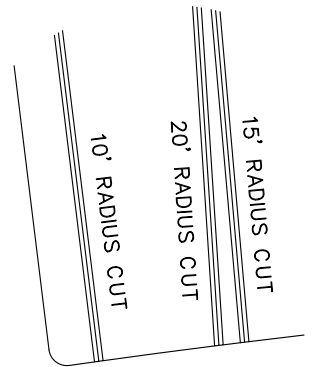
A DETAIL



ATTACHMENT DETAIL



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



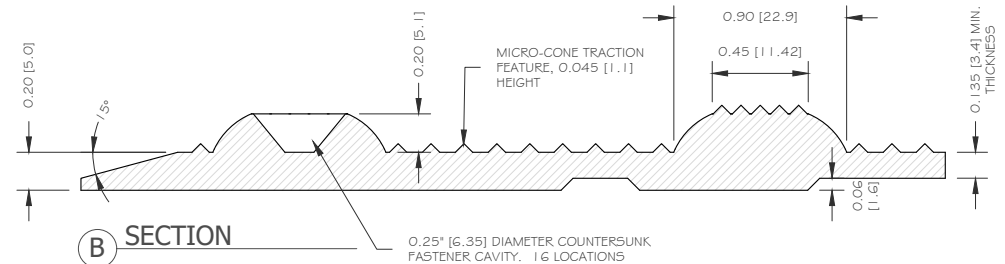
C ENLARGE VIEW

IMPERIAL UNIT CUT CHART

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

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



B SECTION

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.

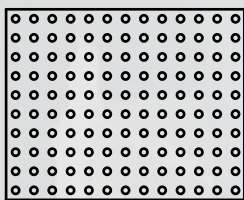
- Wet-set installation
- Natural (bare) finish develops red oxide patina
- Made in the USA
- Slip-resistant textured surface



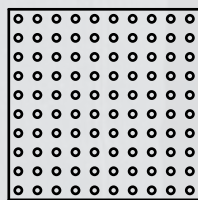
Iron Dome plates are available in several standard powder-coated colors. Contact ADA Solutions for additional information and availability.

PANEL SIZES

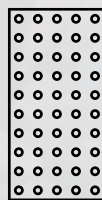
24" x 30"



24" x 24"



24" x 12"



R30



R25



R20

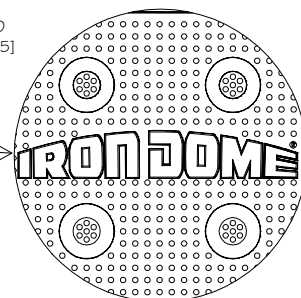


R15

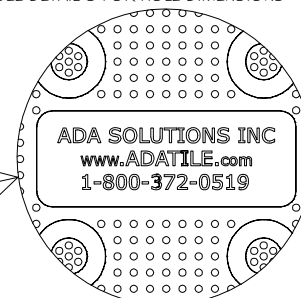


Iron Dome plates are available in multiple rectangular sizes as well as tapered wedge shapes for constructing a radius installation.

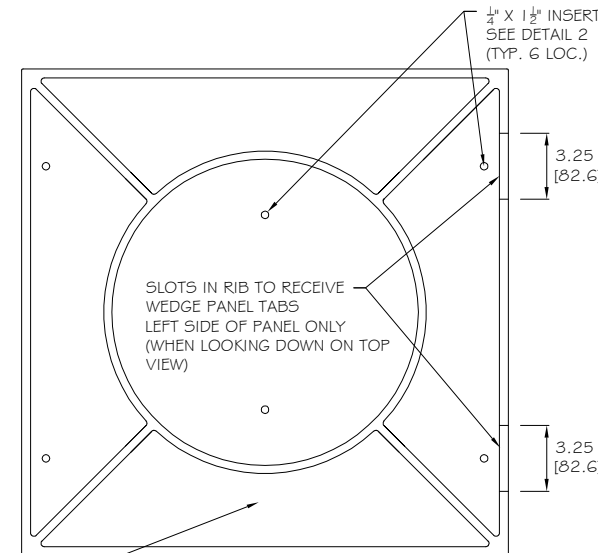




- 1/4" SS EXTRA WIDE TRUSS HEAD PHILLIPS SCREW
X 1 1/2" LONG INTO 1/4" X 1 1/2" INSERT
SEE DETAIL 2 (TYP. 6 LOC.)
SEE DETAIL 3 FOR HOLE DIMENSIONS



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

9.60 [243.8]

SECTION B

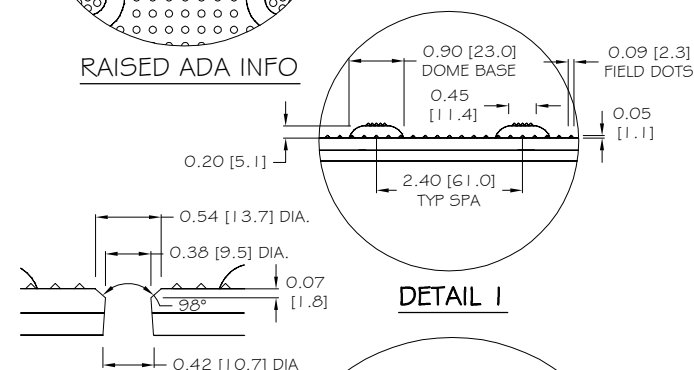
DETAIL I

DETAIL 2

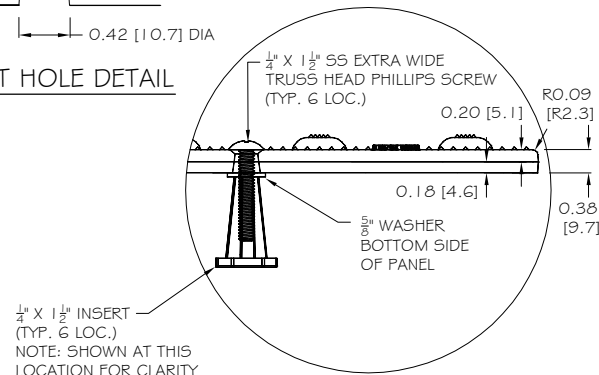
1) CASTING TOLERANCES: ± 0.03 " UNLESS OTHERWISE SPECIFIED
 $\frac{1}{8}$ " MAXIMUM WARP FROM CORNER TO CORNER

2) MATERIAL: METAL SPECIFICATION ASTM A159 G3000 CAST IRON

3) UNSPECIFIED FILLET $R=0.04$ " MAXIMUM

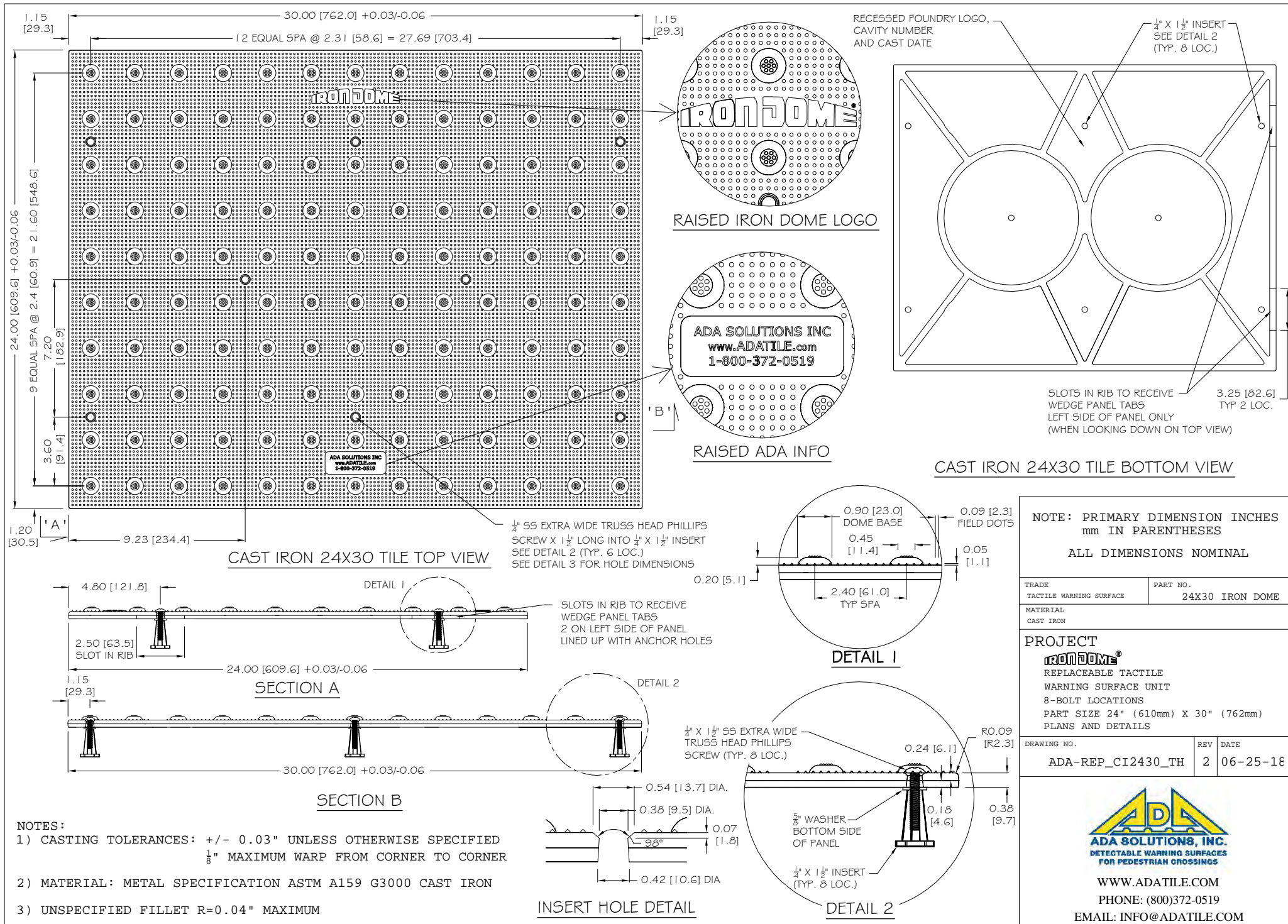


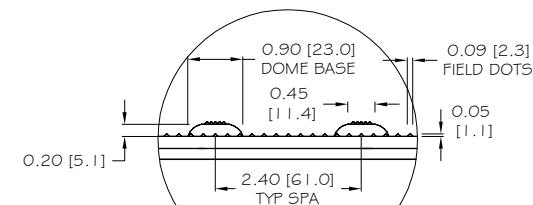
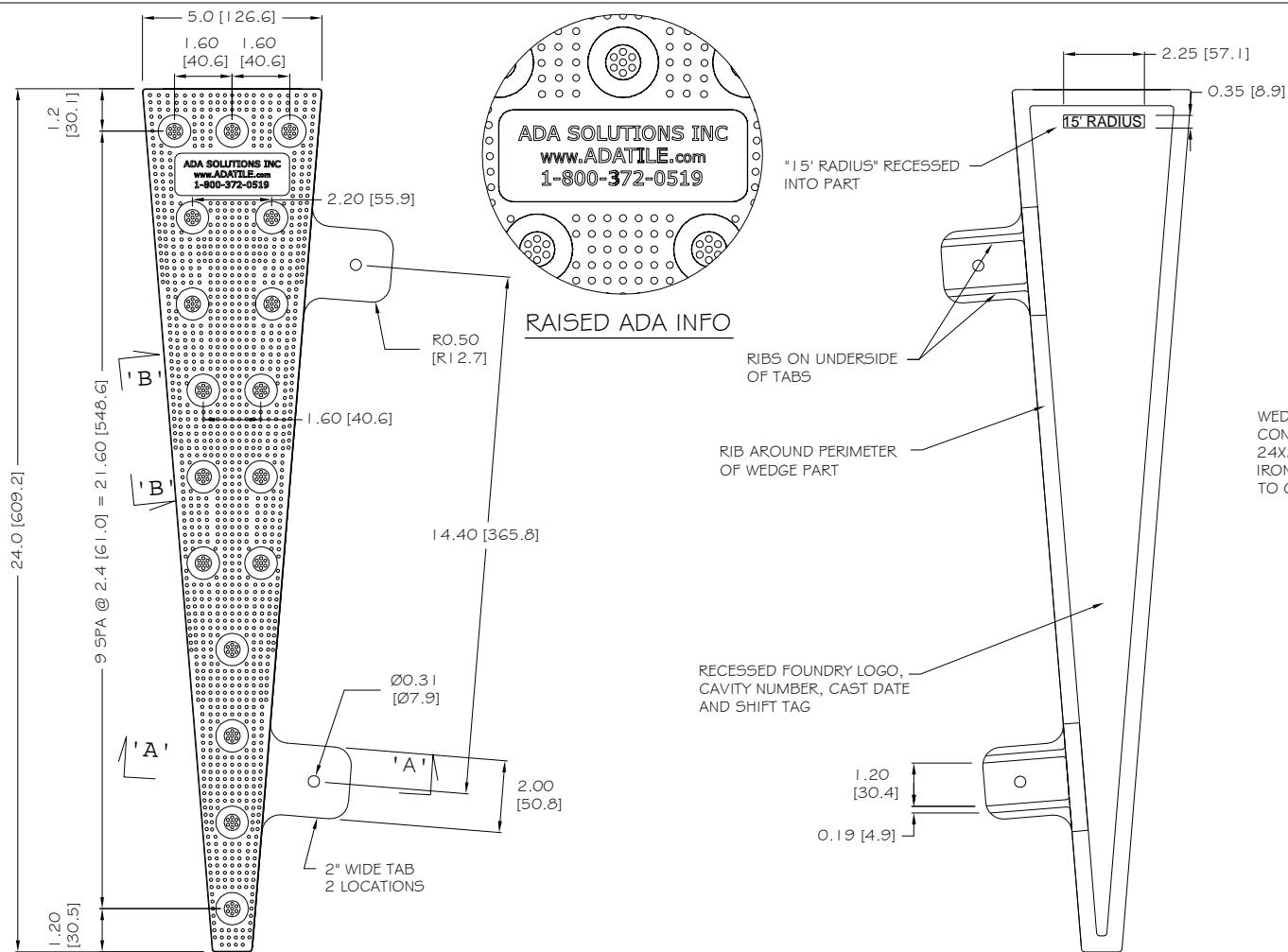
INSERT HOLE DETAIL



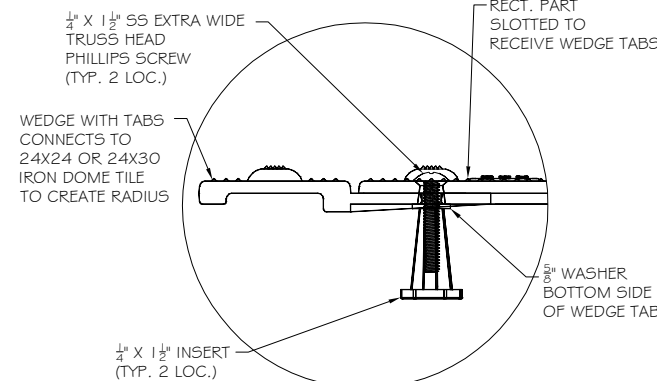
DETAIL 2

WWW.ADATILE.COM
PHONE: (800)372-0519
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
----------------------------------	----------	------------------

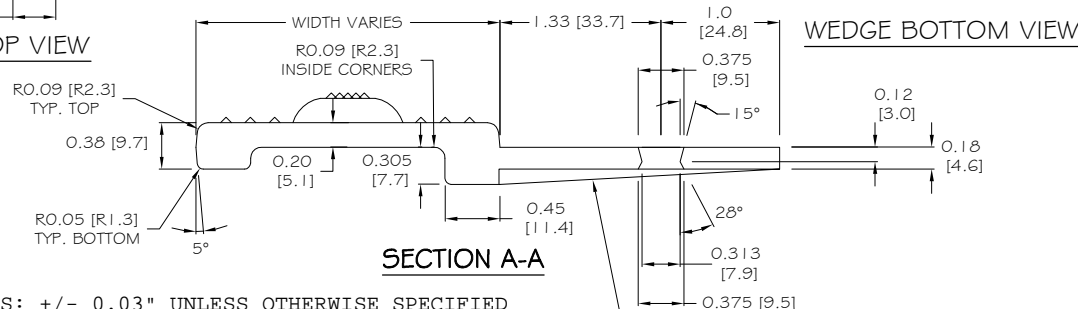


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PHONE: (800)372-0519

EMAIL: INFO@ADATILE.COM

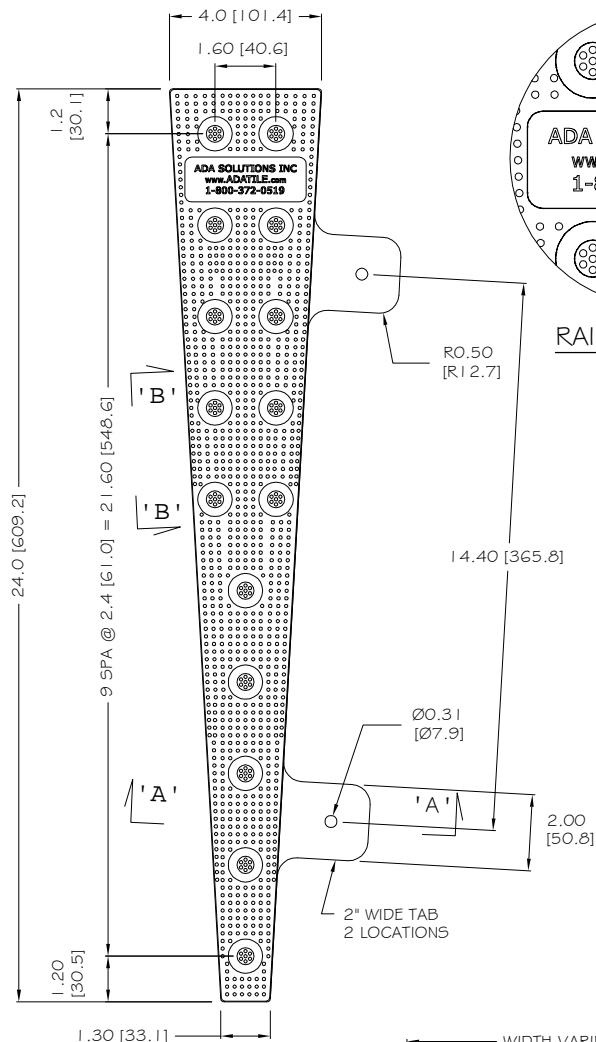
TOP VIEW



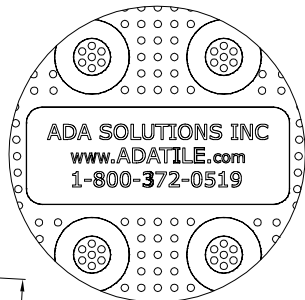
SECTION A-A

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

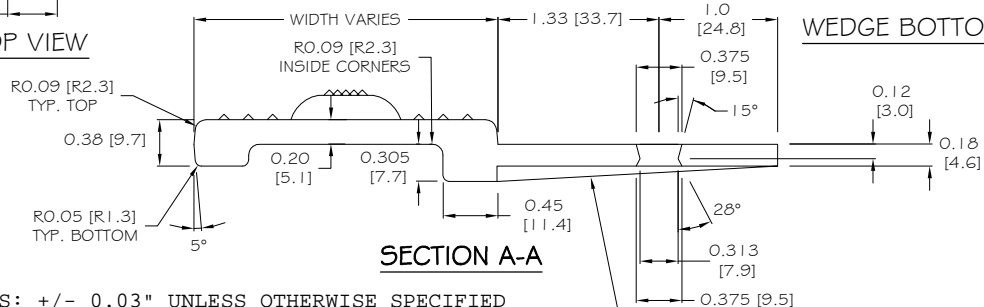
RIBS ON UNDERSIDE OF TABS

RIB AROUND PERIMETER OF WEDGE PART

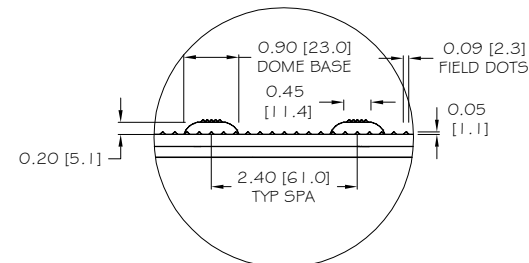
RECESSED FOUNDRY LOGO, CAVITY NUMBER, CAST DATE AND SHIFT TAG

1.20 [30.4]
0.19 [4.9]

WEDGE BOTTOM VIEW



SECTION A-A



SECTION B-B

$\frac{1}{4}$ " X $1\frac{1}{2}$ " SS EXTRA WIDE TRUSS HEAD PHILLIPS SCREW (TYP. 2 LOC.)

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

$\frac{1}{4}$ " X $1\frac{1}{2}$ " INSERT (TYP. 2 LOC.)

RECT. PART SLOTTED TO RECEIVE WEDGE TABS
 $\frac{5}{8}$ " WASHER BOTTOM SIDE OF WEDGE TIE

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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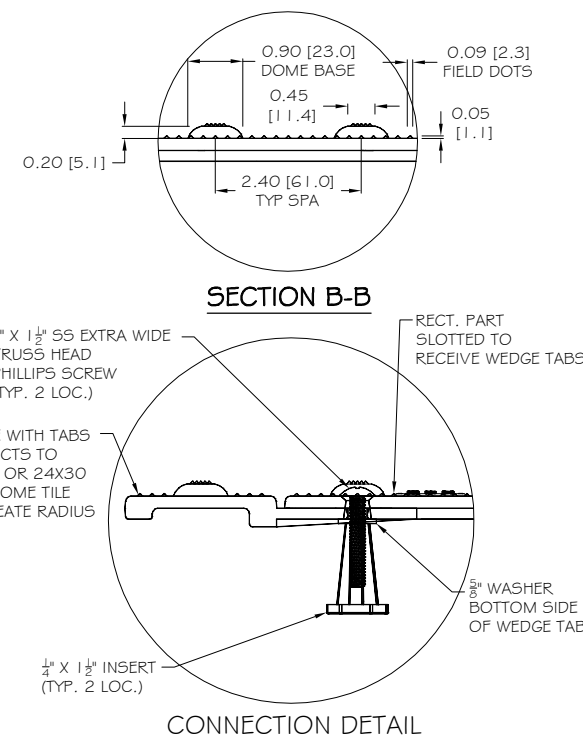
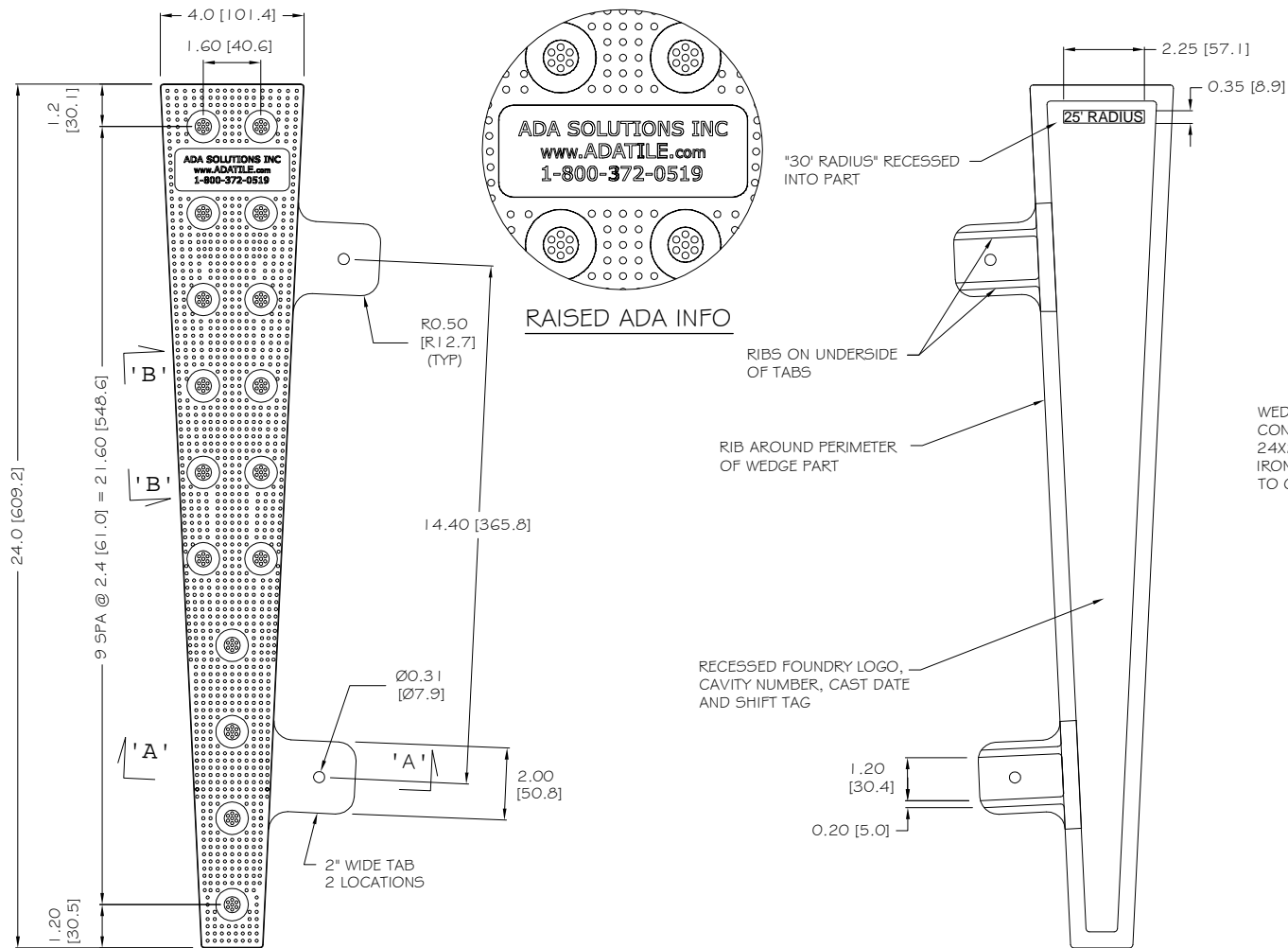
WWW.ADATILE.COM

PHONE: (800)372-0519

EMAIL: INFO@ADATILE.COM

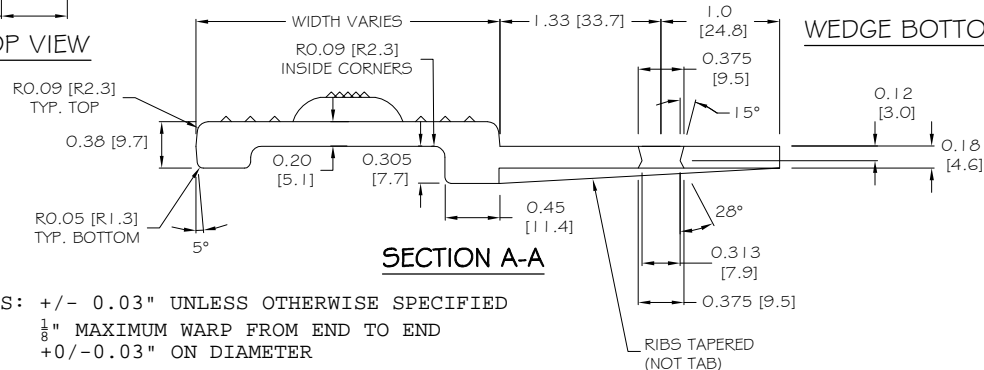
NOTES:

- 1) CASTING TOLERANCES: ± 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



TOP VIEW

WEDGE BOTTOM VIEW



NOTES:

- 1) CASTING TOLERANCES: ± 0.03 " UNLESS OTHERWISE SPECIFIED
 $\frac{1}{16}$ " 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. 25' WEDGE IRON DOME
MATERIAL CAST IRON	

PROJECT

iron dome®

REPLACEABLE TACTILE

WARNING SURFACE UNIT

25' RADIUS WEDGE

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

PLANS AND DETAILS

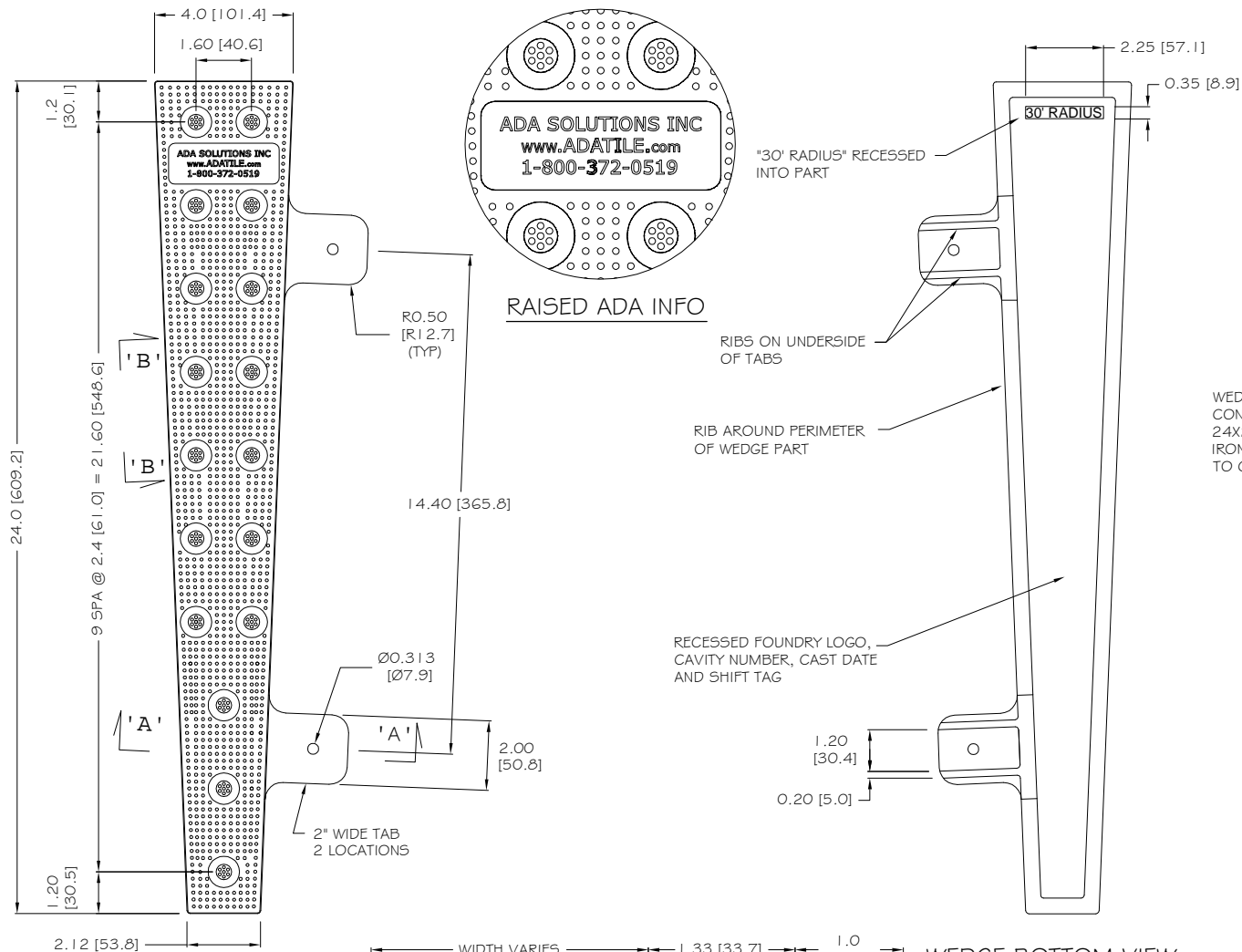
DRAWING NO. ADA-REP_CI25WEDGE	REV A	DATE 05-31-18
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WWW.ADATILE.COM

PHONE: (800)372-0519

EMAIL: INFO@ADATILE.COM



NOTE: PRIMARY DIMENSION INCHES
mm IN PARENTHESES

ALL DIMENSIONS NOMINAL

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

PROJECT

iron dome®

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

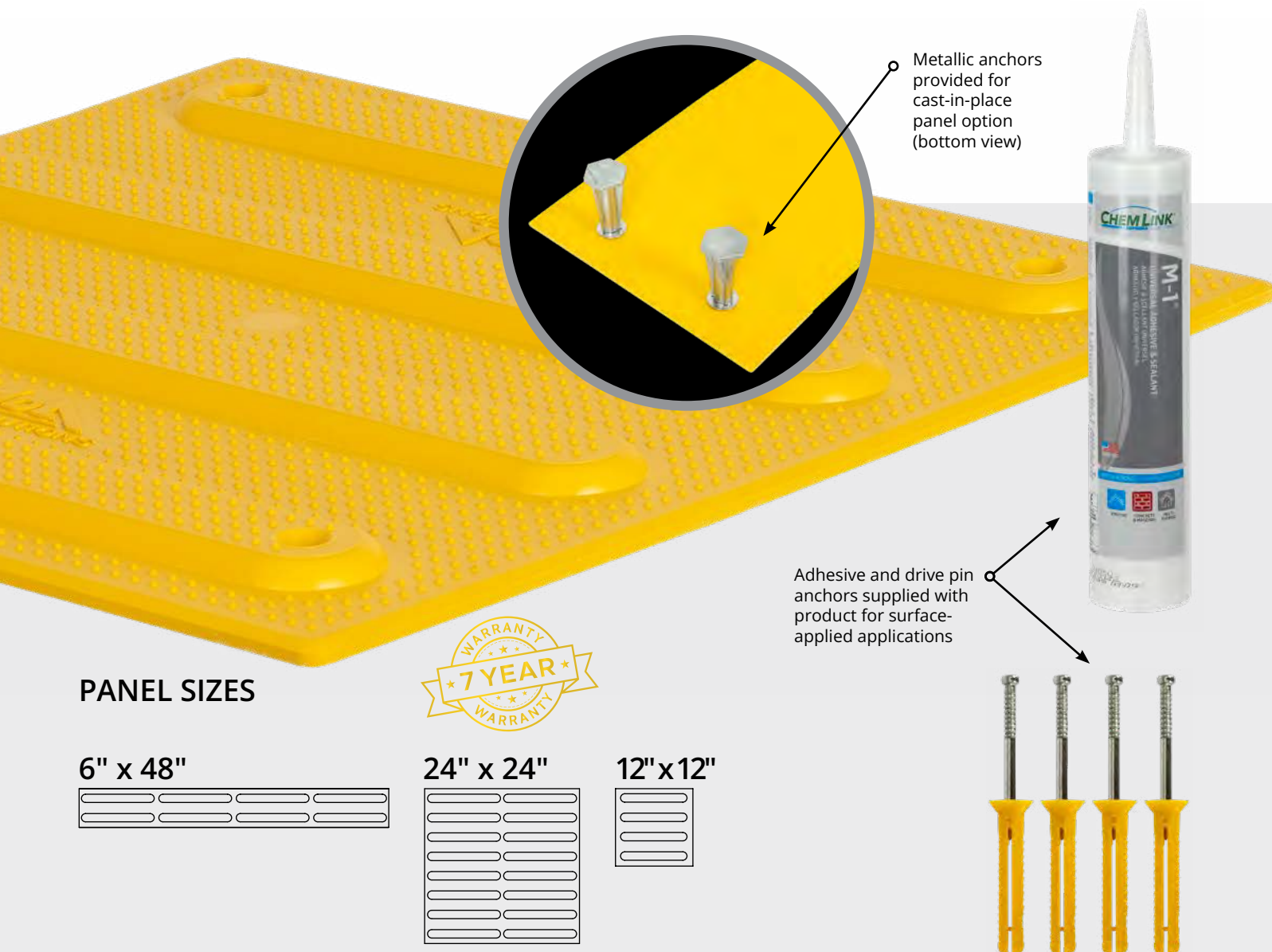
NOTES:

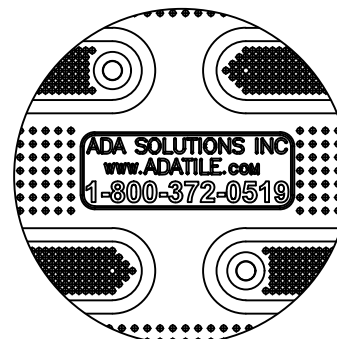
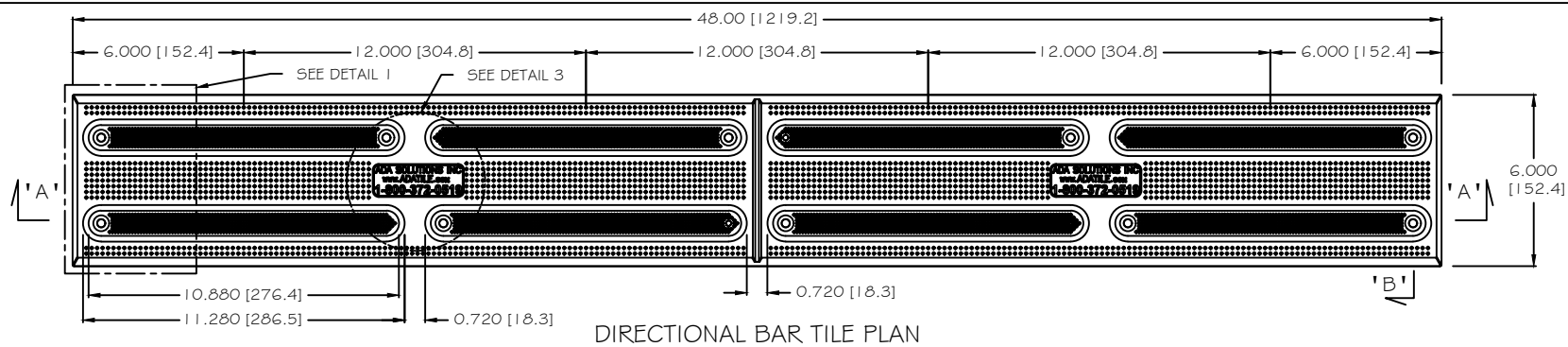
- 1) CASTING TOLERANCES: +/- 0.03" UNLESS OTHERWISE SPECIFIED
1/8" MAXIMUM WARP FROM END TO END
- 2) HOLE TOLERANCES: +0/-0.03" ON DIAMETER
- 3) MATERIAL: METAL SPECIFICATION ASTM A159 G3000 CAST IRON
- 4) UNSPECIFIED FILLET R=.08" MAXIMUM

DIRECTIONAL BAR TILES

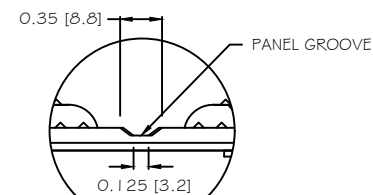
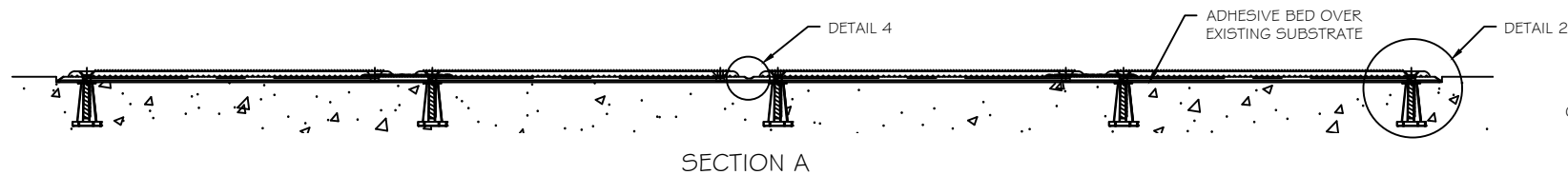
Directional Bar Tiles feature flat-topped elongated bars that provide a tactile surface for directional guidance or wayfinding. The bars are aligned with the direction of travel. Visually impaired pedestrians are provided pathway guidance by contact through handheld cane or through contact with foot. 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.

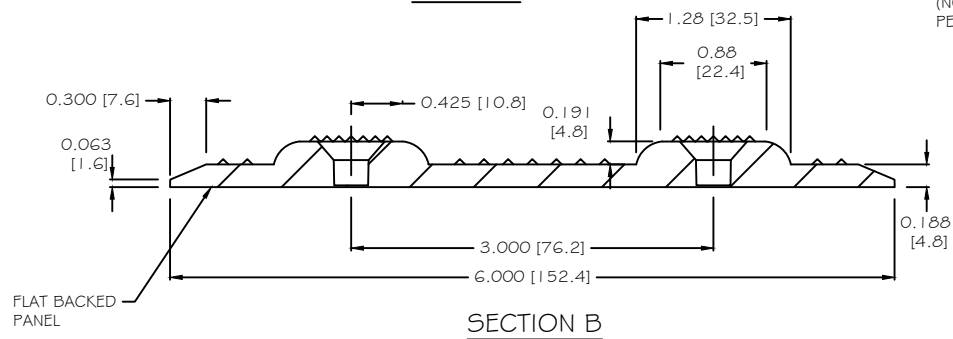
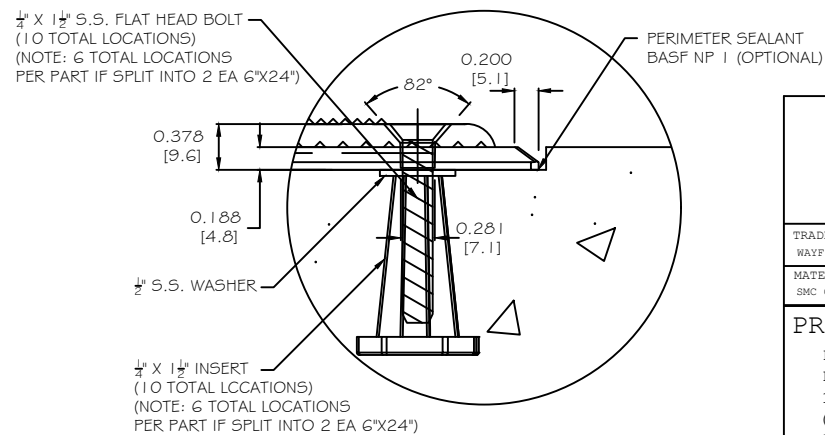
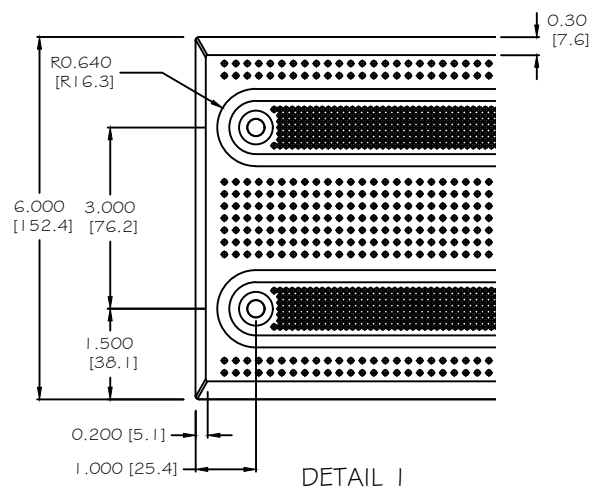




**DETAIL 3
RAISED ADA LOGO**



DETAIL 4



ALL DIMENSIONS NOMINAL
PRIMARY DIMENSION INCHES
mm IN PARENTHESES

TRADE WAYFINDING TILE	PART NO. BARTILEREPNF648
MATERIAL SMC COMPOSITE	

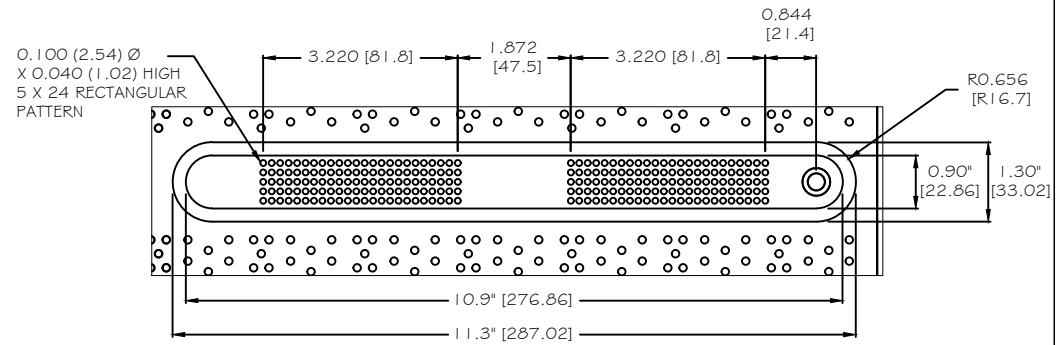
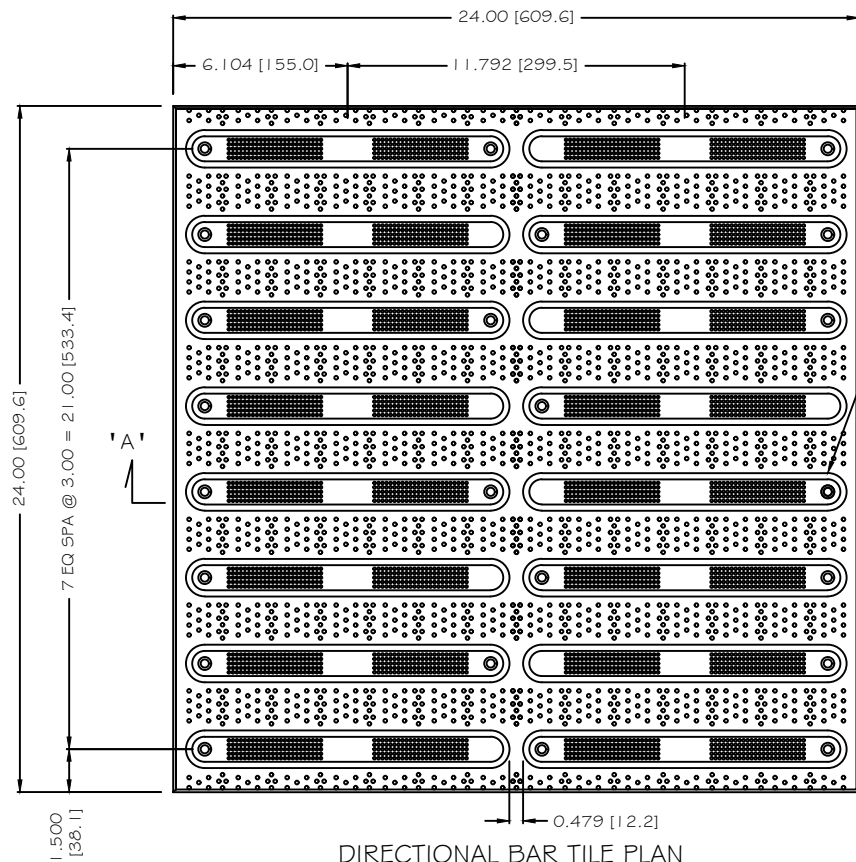
PROJECT

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

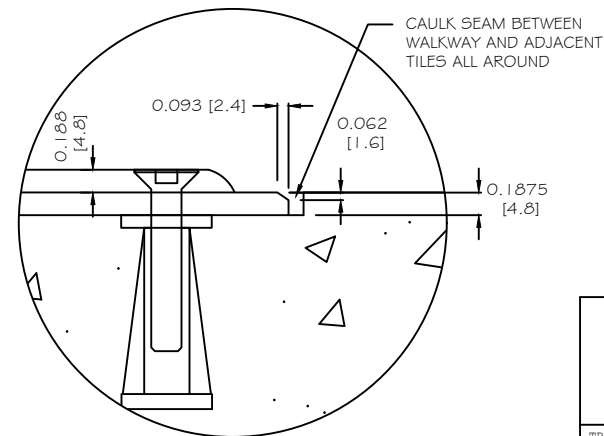
DRAWING NO. ADA-DGTNF_REP_648	DATE 2020-08-11
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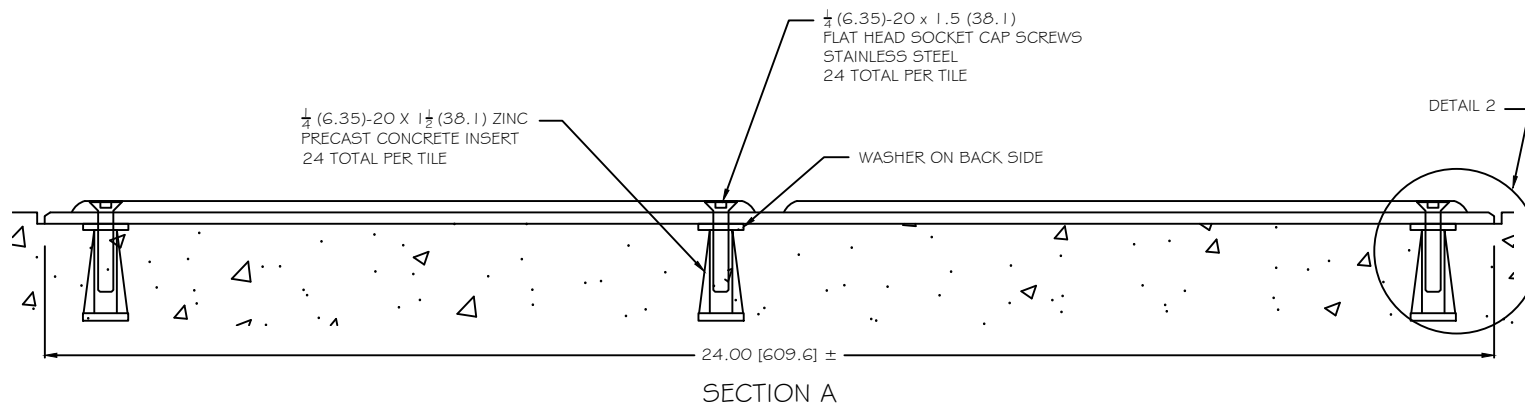
WWW.ADATILE.COM
PHONE: (800) 372-0519
EMAIL: ADA-Info@SureWerx.com



DETAIL 1



DETAIL 2



ALL DIMENSIONS NOMINAL
PRIMARY DIMENSION INCHES
mm IN PARENTHESES

TRADE WAYFINDING TILE	PART NO. BARTILERE2424
MATERIAL SMC COMPOSITE	

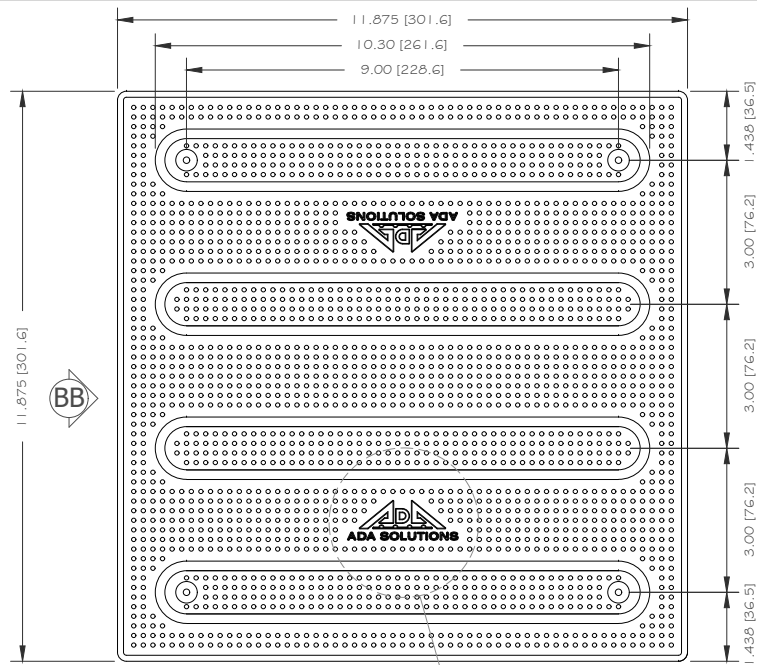
PROJECT

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

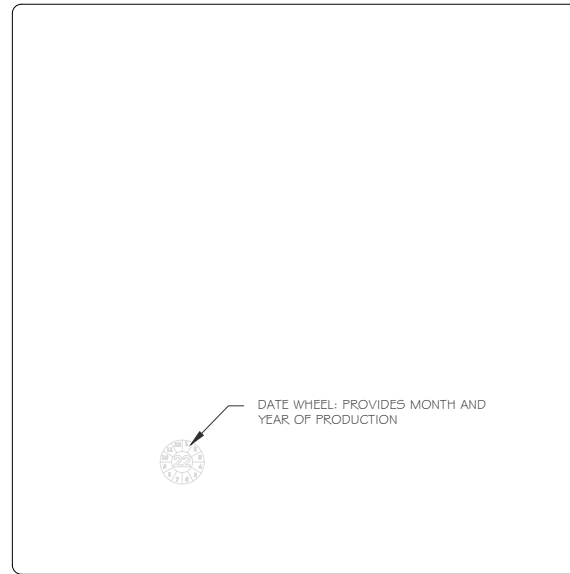
DRAWING NO. ADA-DGTREP_2424	DATE 2020-08-11
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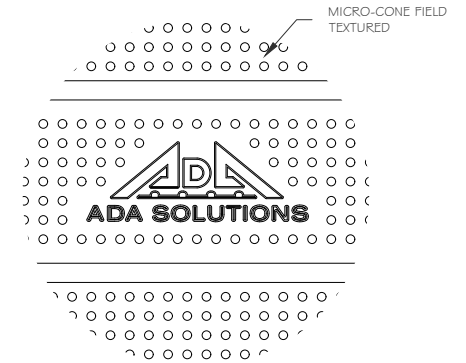
WWW.ADATILE.COM
PHONE: (800) 372-0519
EMAIL: ADA-Info@SureWerx.com



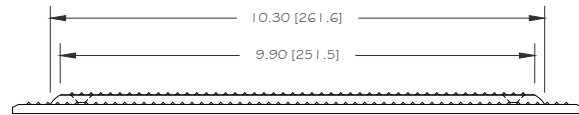
TOP VIEW



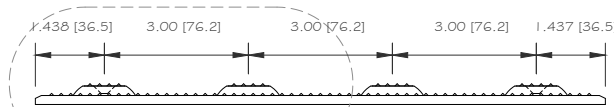
BOTTOM VIEW



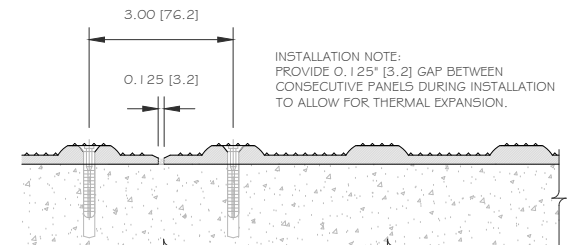
A LOGO DETAIL



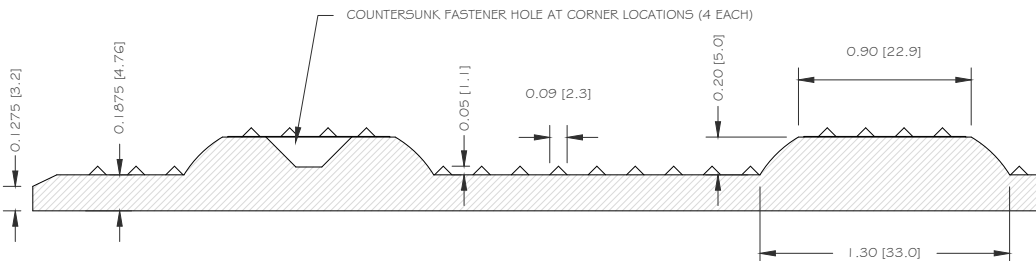
AA SIDE VIEW



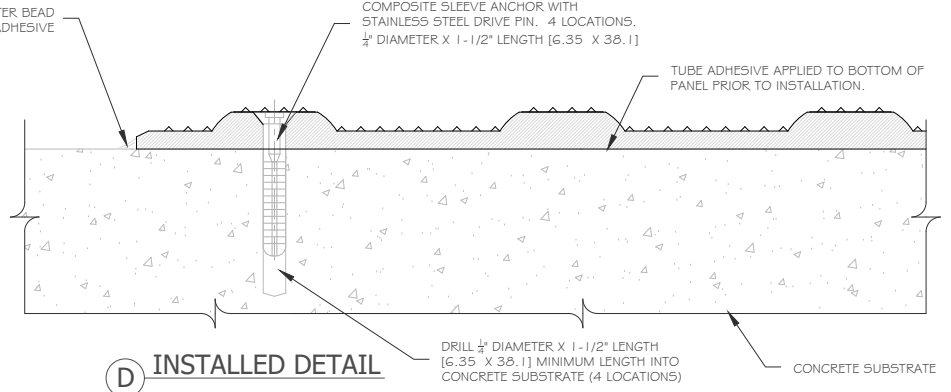
BB END VIEW



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

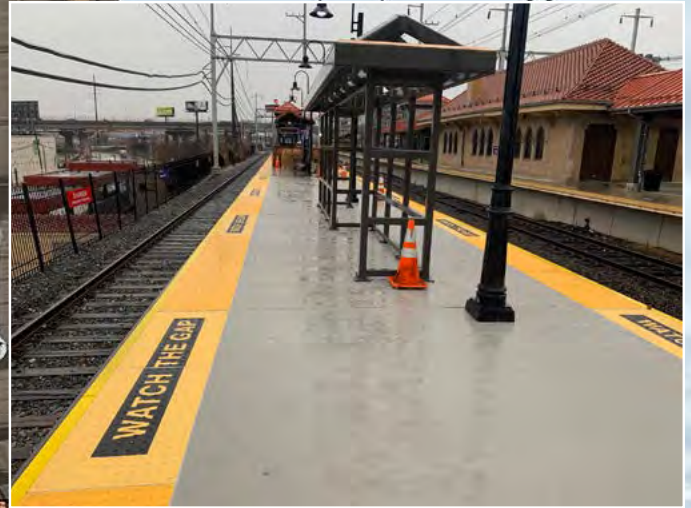
DRAWING UNITS
 INCHES [MM]

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.

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.

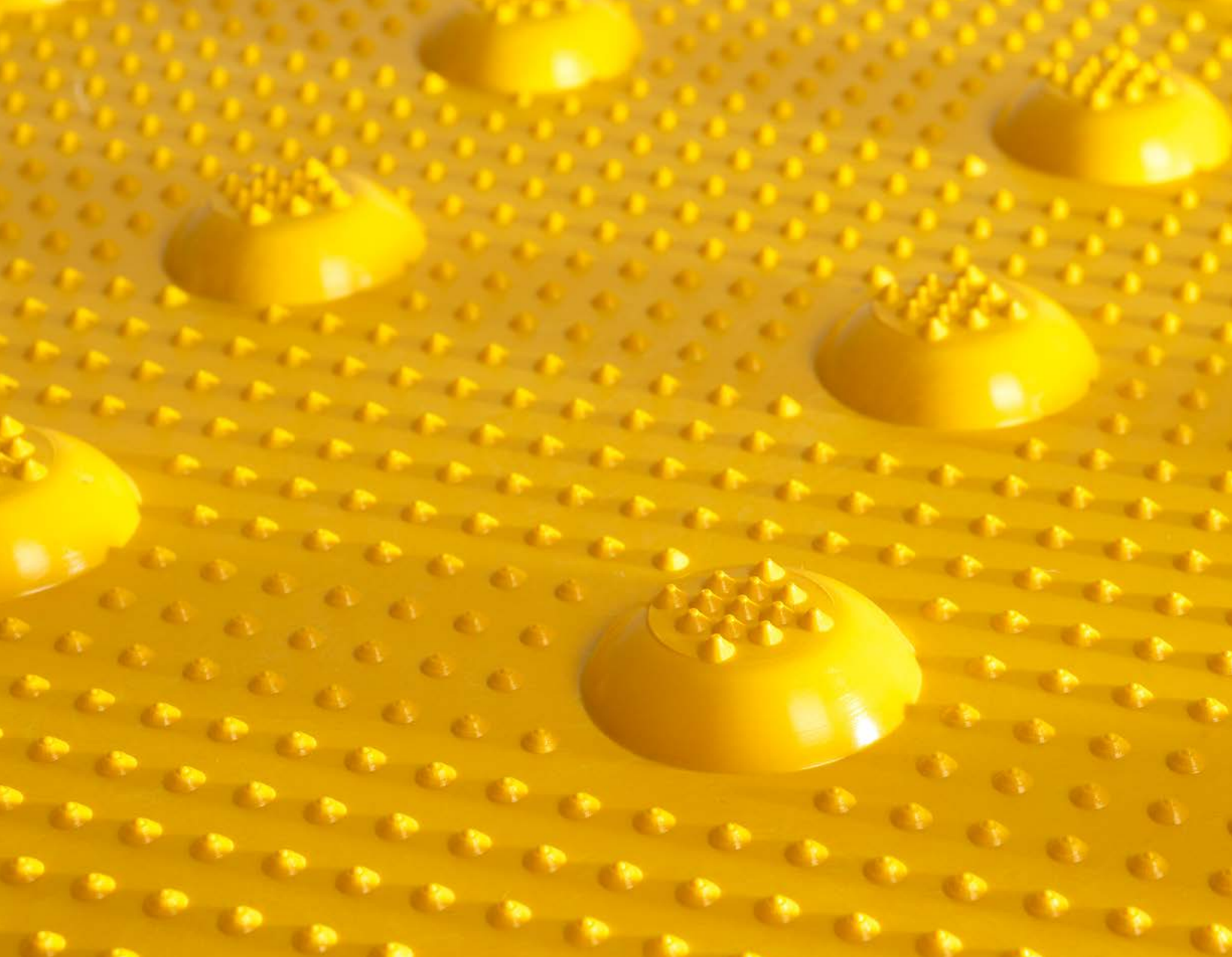
R305.2.3 Blended Transitions. On blended transitions, detectable warning surfaces shall be placed at the back of curb. Where raised pedestrian street crossings, depressed corners, or other level pedestrian street crossings are provided, detectable warning surfaces shall be placed at the flush transition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



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