

Cast Iron <u>Detectable Warning Panels</u>



PRODUCT SELECTION CAST IRON POWDER COATED



Detectable Warning Systems

EqualTile Product Standard Panel Colors

All colors are blended into polymer concrete material during manufacturing and homogenous throughout the panel. Additional colors and sizes are available upon request.

OCEAN BLUE FED ST 15187	GREEN G-43	Purple R-44	BRICK RED FED ST 22144	COLONIAL RED FED ST 20109	
BLACK FED ST 17038	LIGHT GREY FED ST 26280	DARK GREY FED ST 36118	Pink R-24	FEDERAL YELLOW FED ST 33538	

EqualTile Product Custom Colors

EqualTile by Advanced Roadway Manufacturing can produce unlimited color variations. We focus on customer service, by developing custom color detectable warning panels to meet the demands of architectural design requirements. EqualTile has worked closely with contractors, municipalities, and state agencies in developing our detectable warning panels to meet their needs and can produce just about any color to conform to project specifications. Contact your nearest EqualTile representative or an authorized Advanced Roadway Manufacturing distributor for more information or technical assistance on our products and capabilities.



CAST IRON PRODUCT SPECIFICATIONS



Detectable Warning Systems

Cast Iron Specifications:

AASHTO M105 Standard Specification Cast Iron Castings Grey Class 30 B

ASTM D 5420 Standard Test Method for Impact Resistance Garner Impact - Striker Impact Falling 600 lbs

Product Features

- Limited Lifetime Manufacturer Warranty
- Comes in natural patina, sealed black or custom powder coating to order.
- 5 year warranty on powder coating
- Ships Nationwide
- Manufactured With Over 100 Years Of Combined Experience In Production, Sales, Installation And Maintenance
- Ease of Install
- USA Steel
- Advanced Roadway Manufacturing, Inc., certifies that EqualTile - Cast-Iron Detectable Warning Panels meet all FTC Regulations for a "Made in the USA" designation. B.A.B.A. Certified

Cast Iron Technical Data:

				CHEM	ISTRY:				
C.E.	С	Si	Mn	Р	S	Ni	Мо	Cr	Cu
4.19	3.51	2.03	0.56	0.034	0.092	0.083	0.026	0.207	0.192
Al	Ti	Sn	Mg	v	Sb	Pb	Ce	Zn	
0.002	0.009	0.015	0.000	0.011	0.004	0.002	0.000	0.001	

MECHANICAL PROPERTIES:					
	TENSILE STRENGTH			BRINELL HARDNESS	
RESULTS FROM	DIA. (")	PSI	MPA	TEST CONDITIONS	HBW
ASTM A48 B-BAR	0.750	38,400	265	HBW 10/3000 12s	219
CASTING: BRINELL ONLY				HBW 10/3000 10s	241



CAST IRON PANEL INSTALLATION

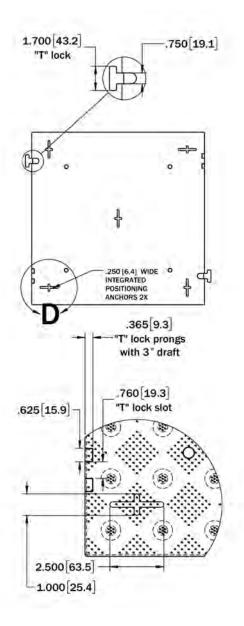


Detectable Warning Systems

Recommended Cast Iron Panel Instructions:

- 1. Follow all safety requirements that include but not limited to, State, Federal and/or Local safety standards.
- 2. Concrete shall conform to all requirements as specified by the contract document.
- 3. Tools required for installation are typical of those used by concrete finishers.
- 4. After concrete is poured the contractor shall establish finished grade using mason line or other appropriate methods. The cast iron panel shall be placed on top of the concrete and tamped in place using installer's weight or concrete vibrator to facilitate placement in a low slump concrete. Every panel comes standard with our patent pending inter-locking system allowing a seamless transition between each panel placement. Final panel elevation shall be verified.
- 5. Make sure the proper slope is obtained as specified in the contract document.
- 6. Low slump concrete *may* require additional pressure to weigh down panels after placement in concrete.
- 7. Steel edging trowel with a minimum of 1/8" radius shall be used to edge the finished concrete around the panel to allow for expansion and contraction. 1/4" deep groove is required.
- 8. Protect the installed tiles from pedestrian and vehicular traffic until concrete has cured.

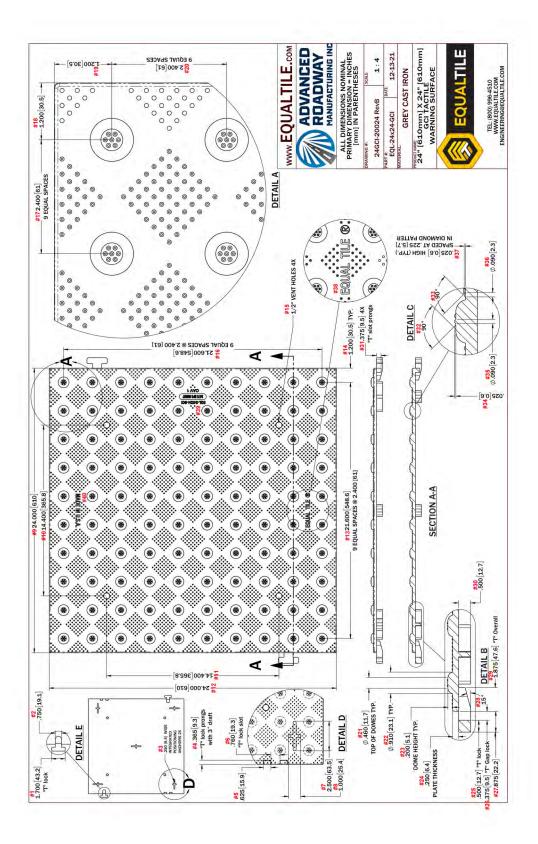
The above installation instructions are not meant to override application codes or local agency's requirements.





CAST IRON 2x2 WARNING PANEL

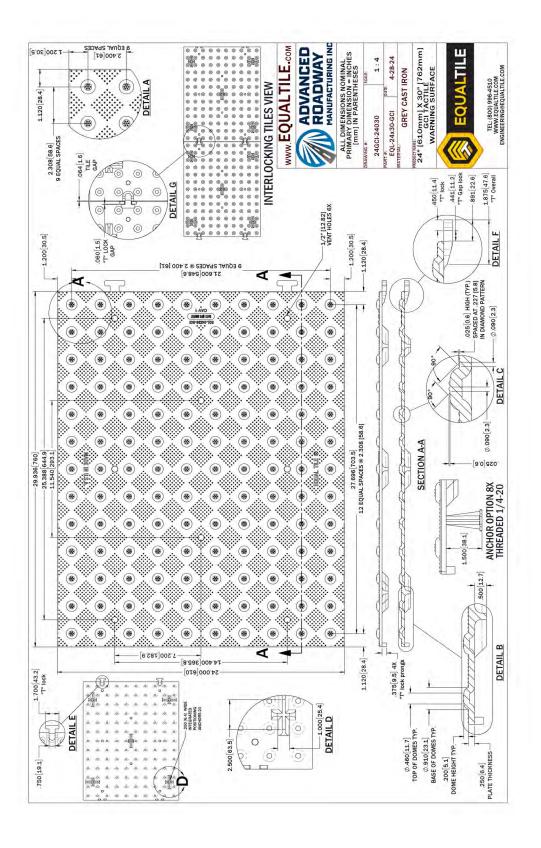






CAST IRON 24"x30" WARNING PANEL

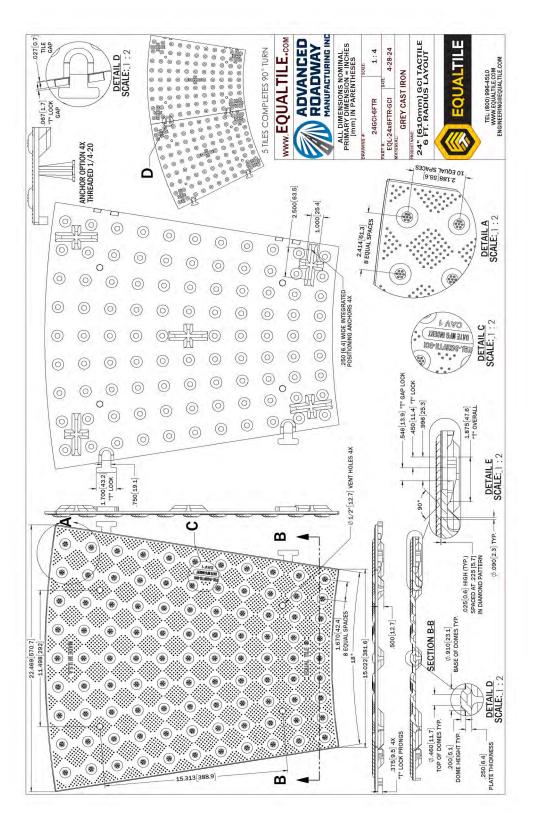






CAST IRON 6' RADIUS

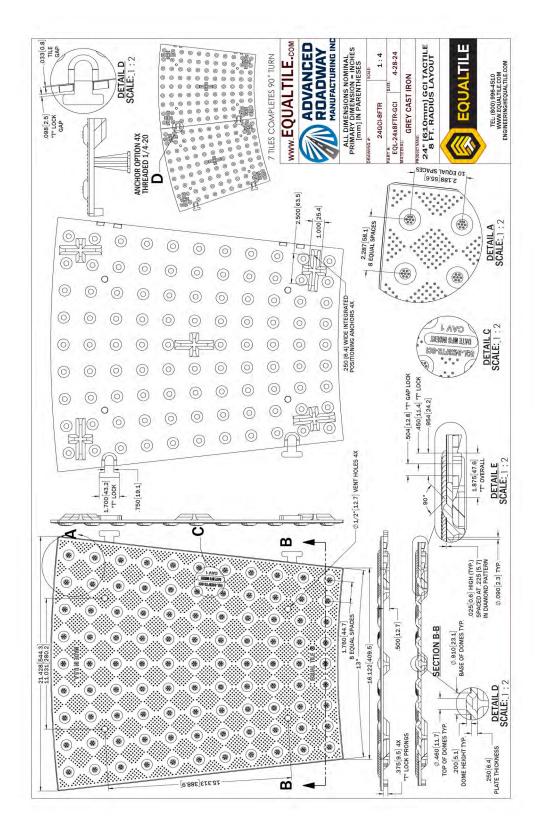






CAST IRON 8' RADIUS

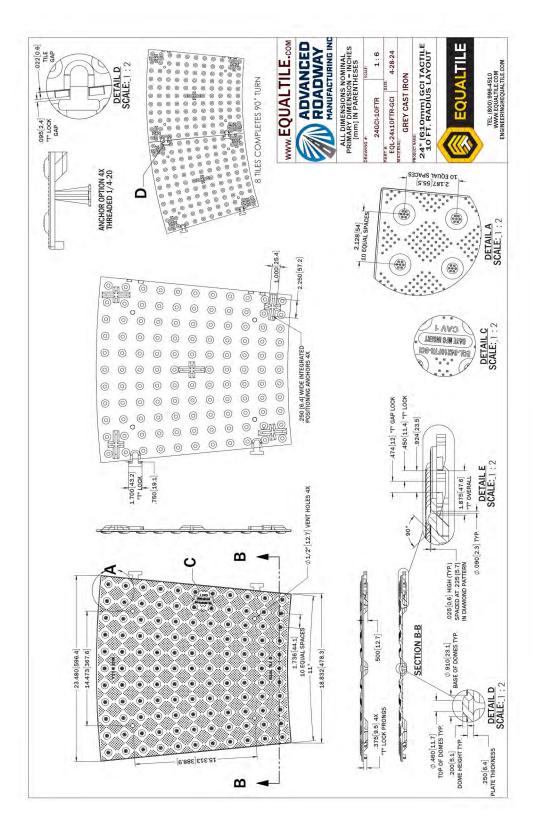






CAST IRON 10' RADIUS

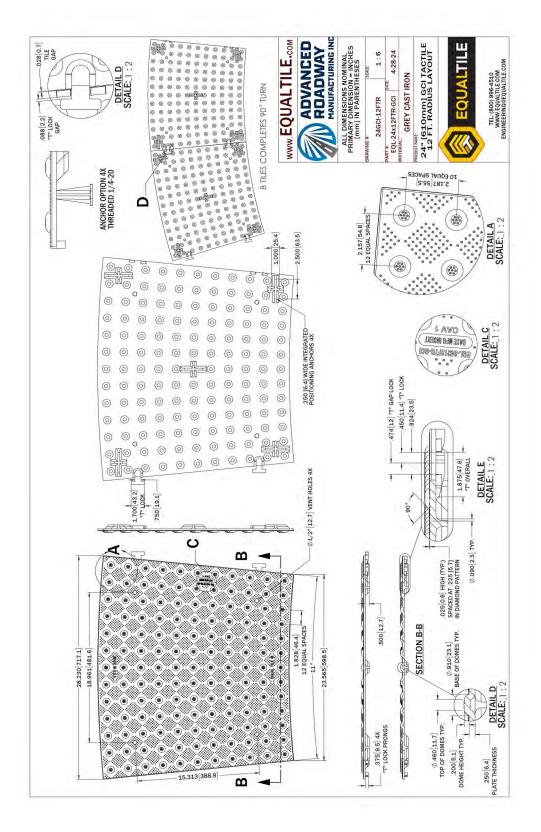






CAST IRON 12' RADIUS

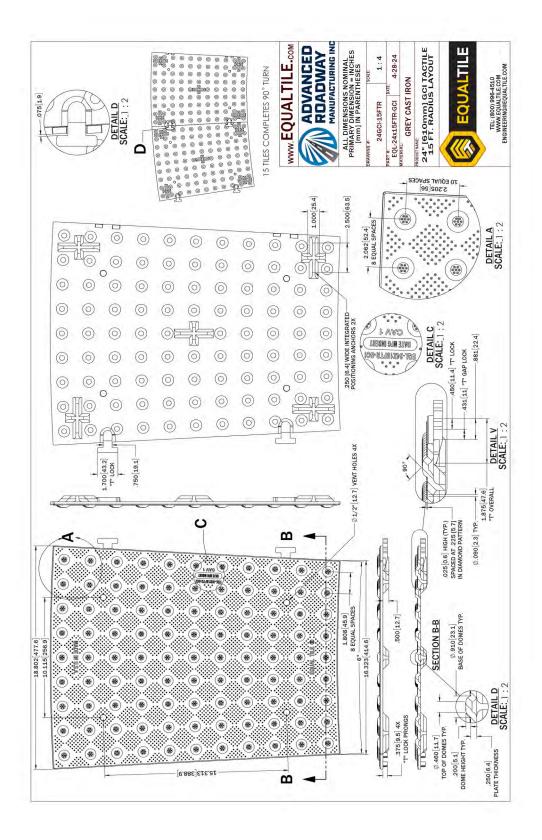






CAST IRON 15' RADIUS

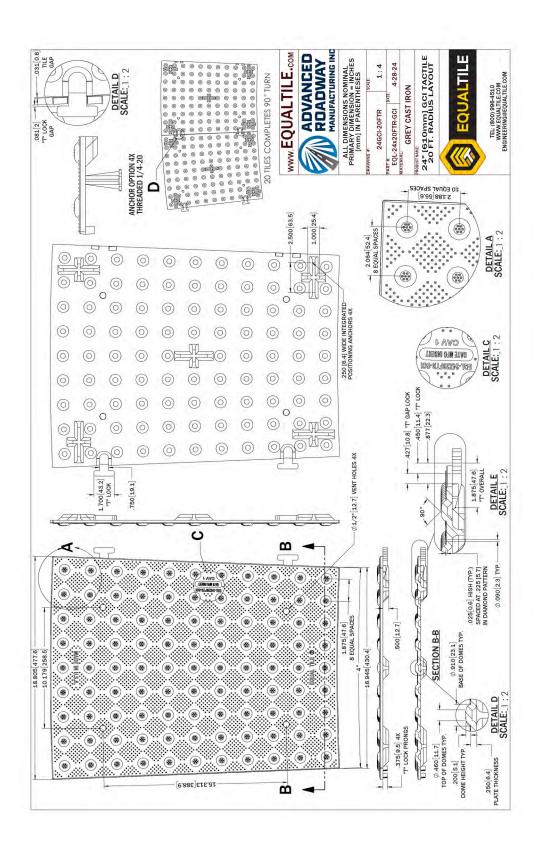






CAST IRON 20' RADIUS

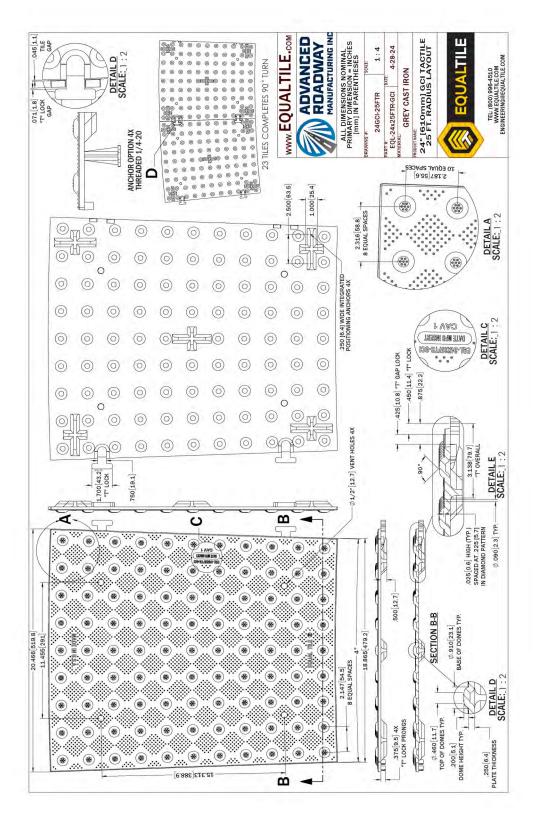






CAST IRON 25' RADIUS







CAST IRON INTERLOCK SYSTEM



Detectable Warning Systems





CAST IRON WARRANTY



Detectable Warning Systems

LIMITED LIFETIME MATERIAL WARRANTY

PROJECT: _		: DATE OF COMPLETION:
		REFERENCE NUMBER:
INST	ALLED BY	TOTAL SQUARE FEET:
1.		WARRANTY:
	Α.	EQUALTILE (AN ADVANCED ROADWAY MANUFACTURING COMPANY) ("MANUFACTURER") WARRANTS THAT THE DETECTABLE DOME SYSTEM ("PRODUCT") COMPLIES WITH THE ARCHITECTURAL STANDARDS AS PUBLISHED IN THE CURRENT EDITION OF THE BUILDING STANDARDS CODE, INCLUDING DURABILITY CRITERIA WHICH INDICATES THAT THE SHAPE, COLOR FASTENERS, CONFIRMATION, SOUND-ON-SOUND, ACOUSTIC QUALITY, RESILIENCE AND ATTACHMENT WILL NOT DEGRADE SIGNIFICANTLY AFTER INITIAL INSTALLATION. MANUFACTURER WARRANTS THAT THE DETECTABLE DOME SYSTEM SOLD HEREUNDER WILL BE FREE FROM DEFECTS IN MATERIAL. IF THE PRODUCTS DO NOT CONFORM TO THIS LIMITED WARRANTY DURING THE WARRANTY PERIOD (AS HEREIN ABOVE SPECIFIED), BUYER SHALL NOTIFY MANUFACTURER IN WRITING OF THE CLAIMED DEFECTS AND DEMONSTRATE TO MANUFACTURERS SATISFACTION THAT SAID DEFECTS ARE COVERED BY THIS LIMITED WARRANTY. IF THE DEFECTS ARE PROPERLY REPORTED TO MANUFACTURER WITHIN THE WARRANTY PERIOD, AND THE DEFECTS ARE OF SUCH TYPE AND NATURE AS TO BE COVERED BY THIS WARRANTY, MANUFACTURER SHALL, AT ITS OWN EXPENSE, FURNISH REPLACEMENT PRODUCTS OR, AT MANUFACTURER'S OPTION, REPLACEMENT PARTS FOR THE DEFECTIVE PRODUCTS. SHIPPING AND INSTALLATION OF THE REPLACEMENT PRODUCTS OR REPLACEMENT PARTS SHALL BE AT BUYER'S EXPENSE.
2.	OTHER	
	Α.	THE FOREGOING IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
	в.	MANUFACTURER DOES NOT WARRANT AGAINST DAMAGES OR DEFECTS ARISING OUT OF IMPROPER OR ABNORMAL USE OR HANDLING OF THE PRODUCTS; AGAINST DEFECTS OR DAMAGES ARISING FROM IMPROPER INSTALLATION (WHERE INSTALLATION IS BY PERSONS OTHER THAN MANUFACTURER), AGAINST DEFECTS IN PRODUCTS OR COMPONENTS NOT MANUFACTURED BY MANUFACTURER, OR AGAINST DAMAGES RESULTING FROM SUCH NON-MANUFACTURER MADE PRODUCTS OR COMPONENTS. THIS WARRANTY ALSO DOES NOT APPLY TO PRODUCTS UPON WHICH REPAIRS HAVE BEEN AFFECTED OR ATTEMPTED BY PERSONS OTHER THAN PURSUANT TO WRITTEN AUTHORIZATION BY MANUFACTURER.
	c.	SYSTEM MEETS OR EXCEEDS CURRENT ADA CRITERIA AS SET FORTH BY STATE & FEDERAL REGULATIONS FOR DESIGN, SIZE AND PERFORMANCE. THEREFORE MANUFACTURER ASSUMES NO LIABILITY RESULTING FROM THE DESIGN, SIZE AND PERFORMANCE OF PRODUCT, SAVE THOSE NOTED HEREIN.
3.	Exclus	SIVE OBLIGATION:
	Α.	THIS WARRANTY IS EXCLUSIVE. THE SOLE AND EXCLUSIVE OBLIGATION OF MANUFACTURER SHALL BE TO REPAIR OR REPLACE THE DEFECTIVE PRODUCTS IN THE MANNER AND FOR THE PERIOD PROVIDED ABOVE. MANUFACTURER SHALL NOT HAVE ANY OTHER OBLIGATION WITH RESPECT TO THE PRODUCTS OR ANY PART THEREOF, WHETHER BASED ON CONTRACT, TORT, AND STRICT LIABILITY OR OTHERWISE. UNDER NO CIRCUMSTANCES, WHETHER BASED ON THIS LIMITED WARRANTY OR OTHERWISE, SHALL MANUFACTURER BE LIABLE FOR INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES.
4.	OTHER	STATEMENTS:
	Α.	MANUFACTURER'S EMPLOYEES OR REPRESENTATIVES' ORAL OR OTHER WRITTEN STATEMENTS DO NOT CONSTITUTE WARRANTIES, SHALL NOT BE RELIED UPON BY BUYER, AND IS NOT A PART OF THE CONTRACT FOR SALE OR THIS LIMITED WARRANTY.
5.	ENTIRE	OBLIGATION:
	A.	THIS LIMITED WARRANTY STATES THE ENTIRE OBLIGATION OF MANUFACTURER WITH RESPECT TO THE PRODUCTS. IF ANY PART OF THIS LIMITED WARRANTY IS DETERMINED TO BE VOID OR ILLEGAL, THE

REMAINDER SHALL REMAIN IN FULL FORCE AND EFFECT.

B.A.B.A. BUY AMERICA COMPLIANCE



Detectable Warning Systems

B.A.B.A. ACT OF NOVEMBER 15, 2021 COMPLIANCE CERTIFICATION

The supplier/bidder hereby certifies that it will comply with the requirements of sections 70901-52 of the Infrastructure Investment and Jobs Act., applicable regulations in 49 U.S.C. Section 5323(j) and Public Law No. 117-53 (11/15/2022) mandating use of Construction Materials Composite or Steel Detectable Warning Panels and Tiles used in public right of ways.

The supplier/bidder further certifies that it complies with the **Build America**, **Buy America Act under the Infrastructure Investment and Jobs Act** requirements prevent FTA from obligating an amount that may be appropriated to carry out its program for a project unless "the steel, iron, and manufactured goods used in the project are produced in the United States" (49 U.S.C. § 5323(j)(1)). FTA's Buy America requirements apply to third-party procurements by FTA grant recipients. A grantee must include in its bid or request for proposal (RFP) specification for procurement of steel, iron or manufactured goods (including rolling stock) an appropriate notice of the Buy America provision and require, as a condition of responsiveness, that the bidder or offeror submit with the bid or offer a completed Buy America certificate in accordance with 49 CFR §§661.6 or 661.12.

Further information concerning the Build America, Buy America Act can be obtained at the following site: https://www.transit.dot.gov/buyamerica

EQUALTILE BY ADVANCED ROADWAY MANUFACTURING, INC. HEREBY CERTIFIES THAT THE MAUNFACTURING FACILITIES ARE LOCATED AS FOLLOWS:

Cast Iron 1955 Brunner Dr Waupaca, WI 54981 Composite 1025 Blanton St Titusville, FL 32796

This document is signed under the penalty of perjury, this 20th of July 2022 in Titusville, FL.

ADVANCED ROADWAY MANUFACTURING, INC.

TELEPHONE: 626-808-7485

SYDNEYC@ROADWAYMFG.COM







PROUDLY MADE IN THE USA DETECTABLE WARNING SYSTEMS



WWW . EQUALTILE . COM ~ 800-996-4510 INFO @ ROADWAYMFG.COM