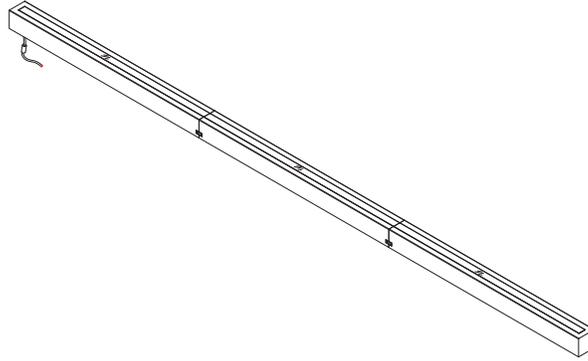




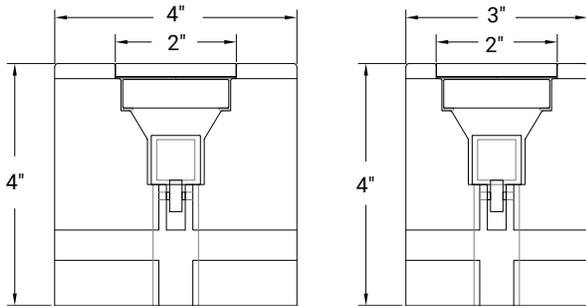
WARNING!

- READ THE ENTIRE PROVIDED INSTRUCTIONS PRIOR TO INSTALLING.
- INSTALLATION SHOULD BE CARRIED OUT BY QUALIFIED INSTALLERS.
- THE INSTALLER HAS THE FINAL RESPONSIBILITY FOR THE GROUND STRUCTURE AND PROPER DRAINAGE OF THE PRECAST(S).
- A MINIMUM OF 2 PEOPLE REQUIRED WHEN INSTALLING LONG LENGTH FIXTURES.

We recommend that installers should be certified by ICPI or fully experienced in setting pavement materials. Typical installation drawings are attached which show bedding methods and project types as a guide to understanding appropriate methods of installation and the importance of using experienced contractors. For more information visit www.icpi.org/resource-library

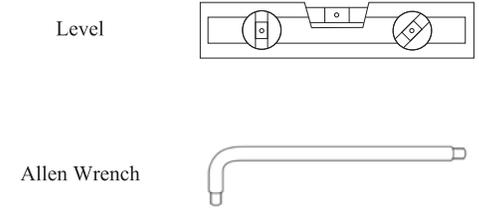


STANDARD SIZES

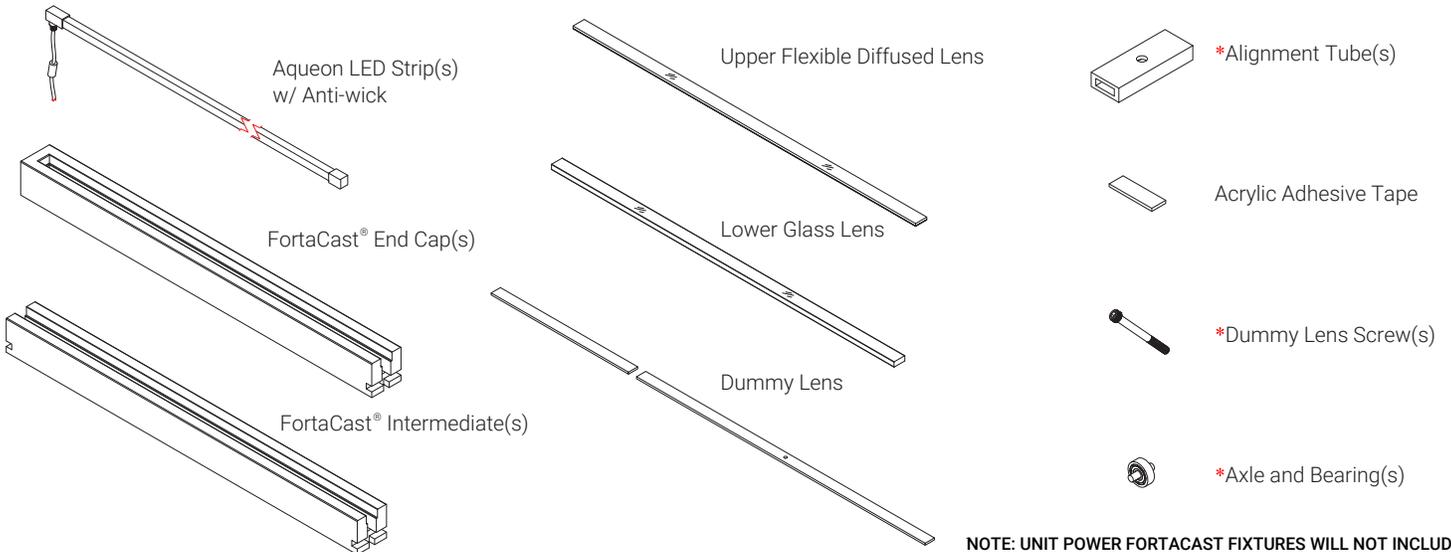


*Custom Shapes & Size Available

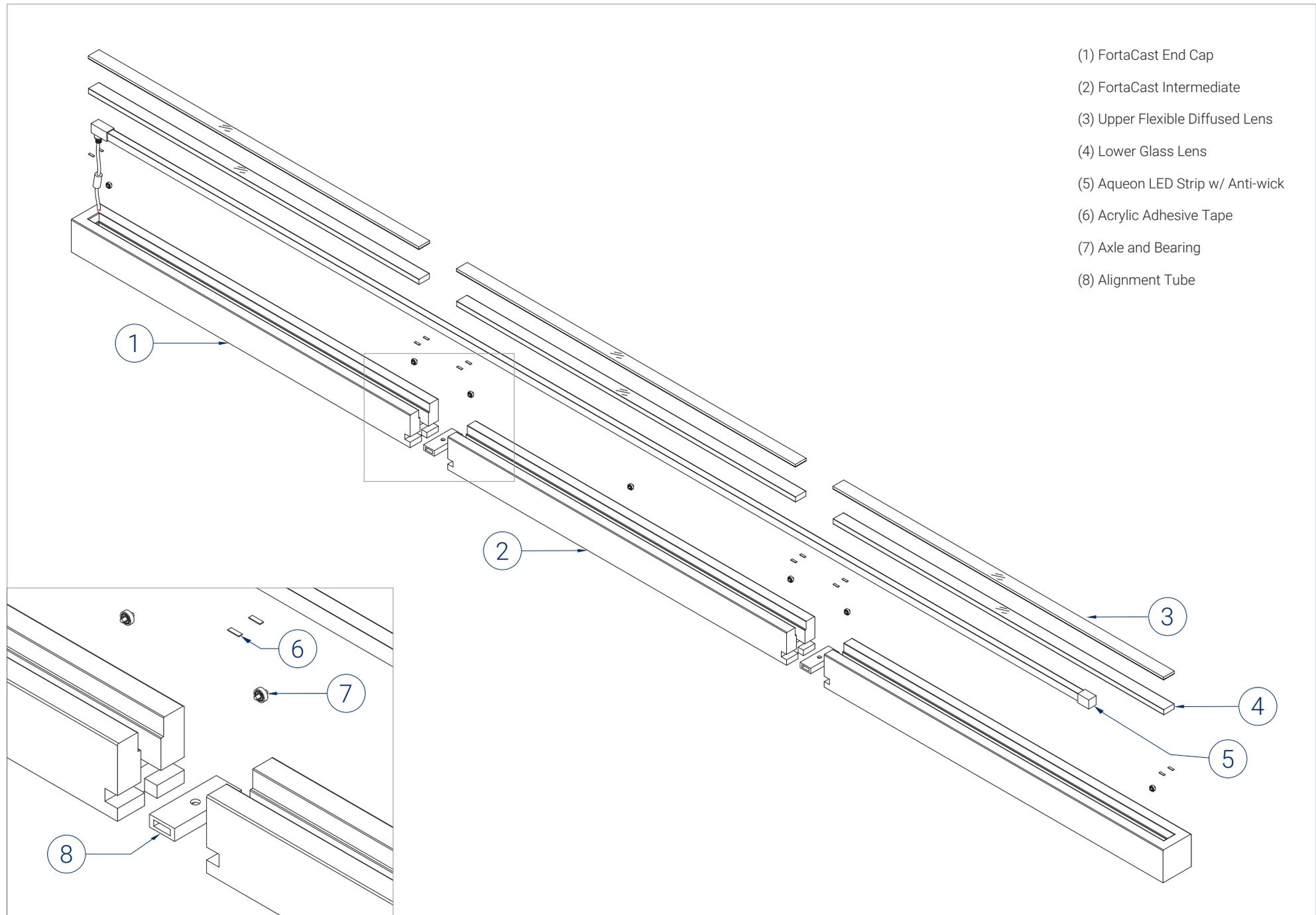
ITEMS NEEDED(BY OTHERS)



PACKAGE MAY INCLUDE:

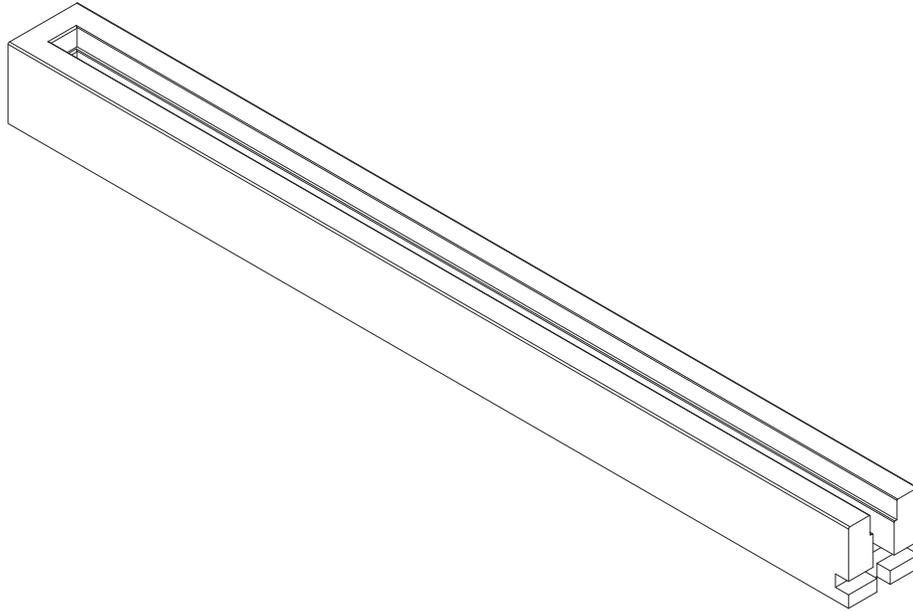


NOTE: UNIT POWER FORTACAST FIXTURES WILL NOT INCLUDE *



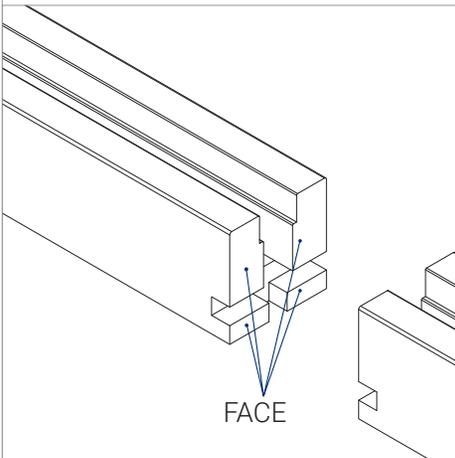
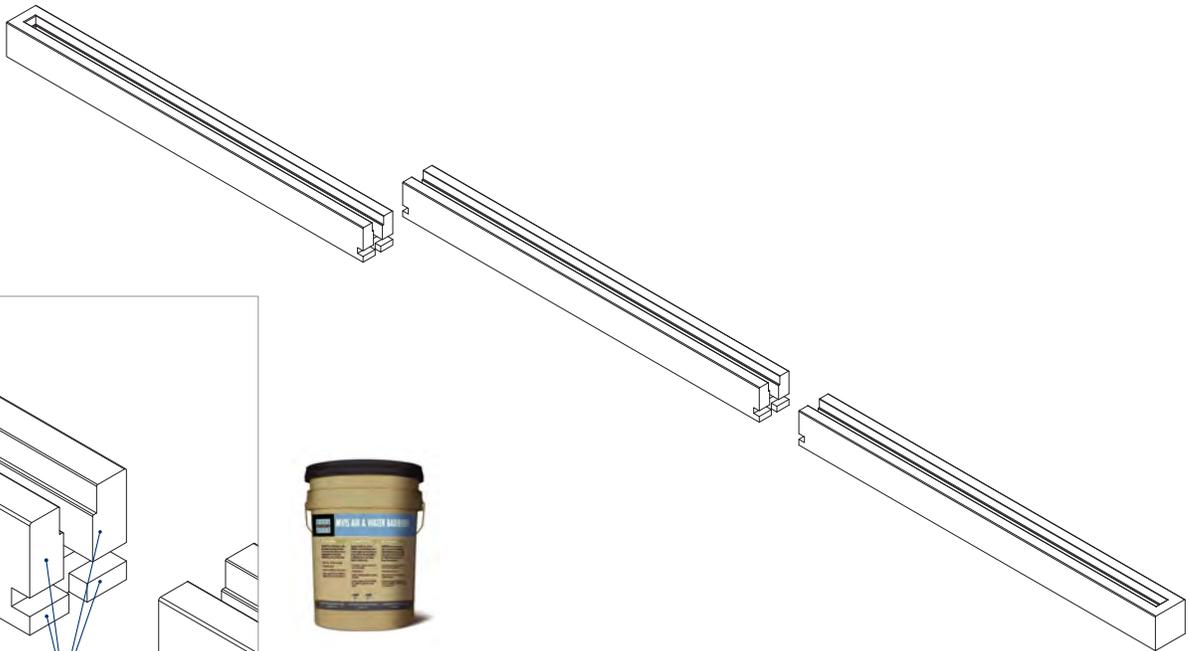
1 SET THE FIRST FORTACAST® SECTION INTO PLACE

- SET THE FIRST FORTACAST® SECTION INTO PLACE (USUALLY-POWER LOCATION/END CAP)



2 LAY OUT ALL CONNECTING SECTION(S)

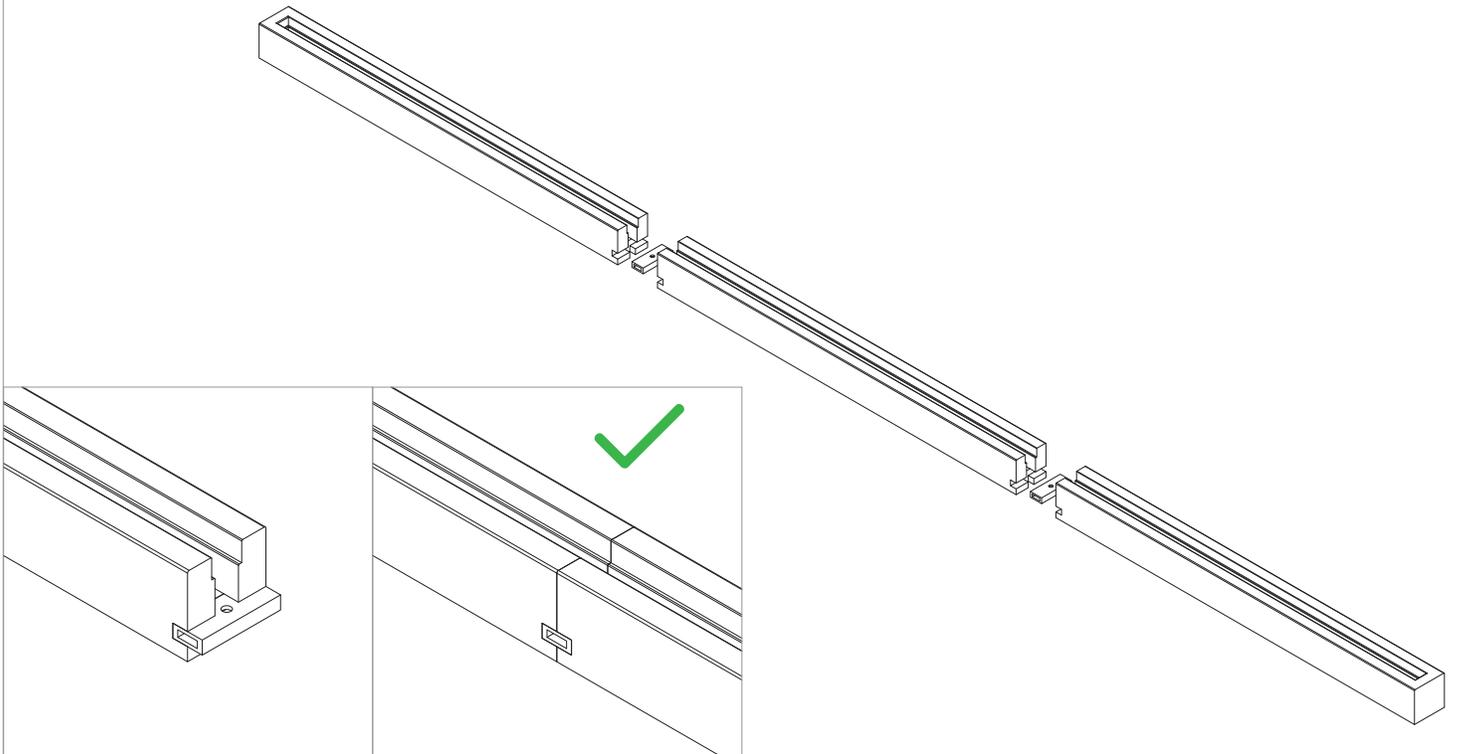
- LAY OUT ALL THE CONNECTING SECTIONS OF THE CIRCLE OR LINE TO ONE SIDE OF THEIR FINAL LOCATION, PRE-ASSEMBLY. (CURVED FORTACAST SECTIONS HAVE THE RADIUS EMBOSSED ON THE END OR BOTTOM OF THE FIXTURE).



- MAKE SURE FORTACAST® SECTION FACE IS DRY, CLEAN, AND DUST FREE. THEN APPLY LATICRETE MVIS SEALANT TO THE FACE OF THE SET SECTION.

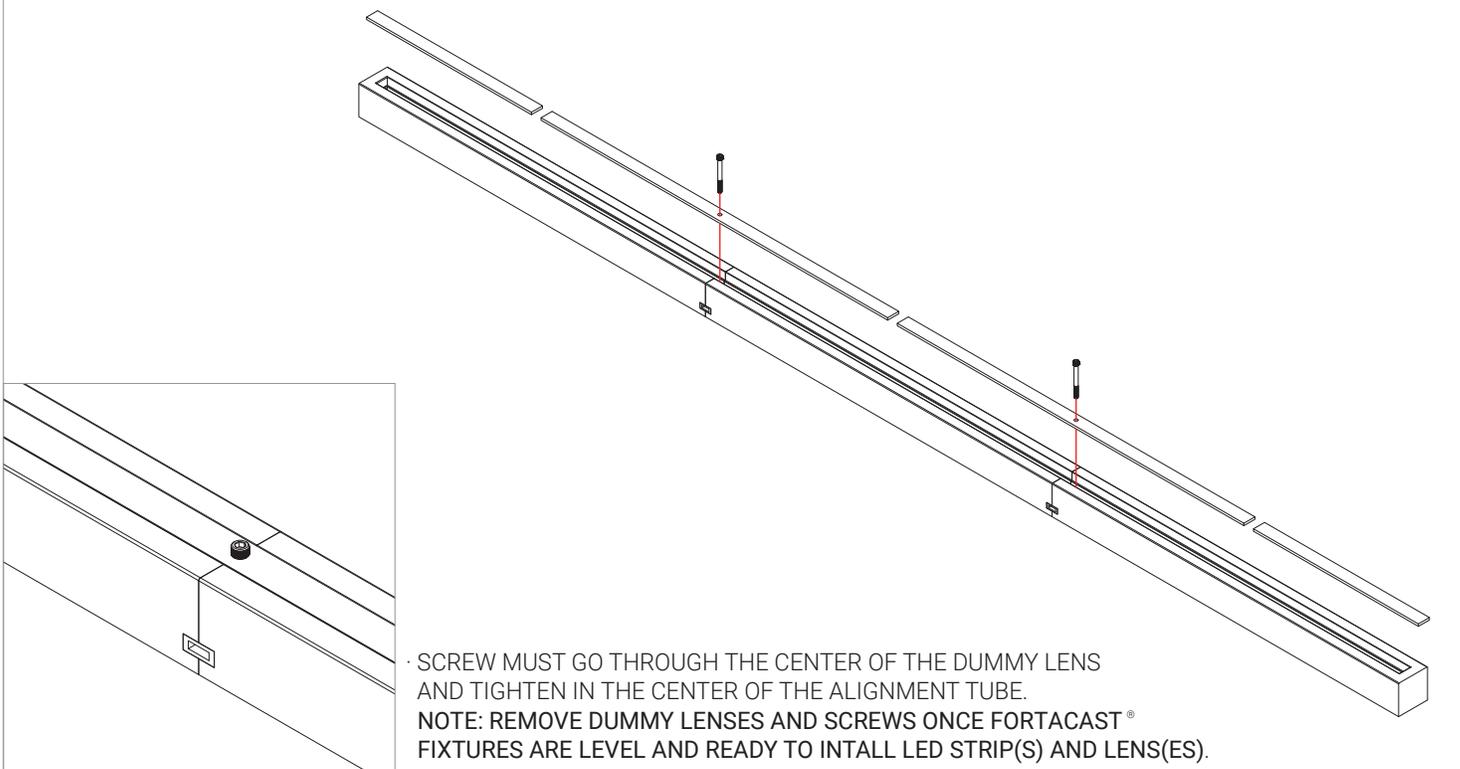
3 INSERT ALIGNMENT TUBE

· INSERT THE ALIGNMENT TUBE TO ALIGN AND LEVEL THE FORTACAST® SECTIONS, THEN SLIDE THE NEXT SECTION INTO PLACE.



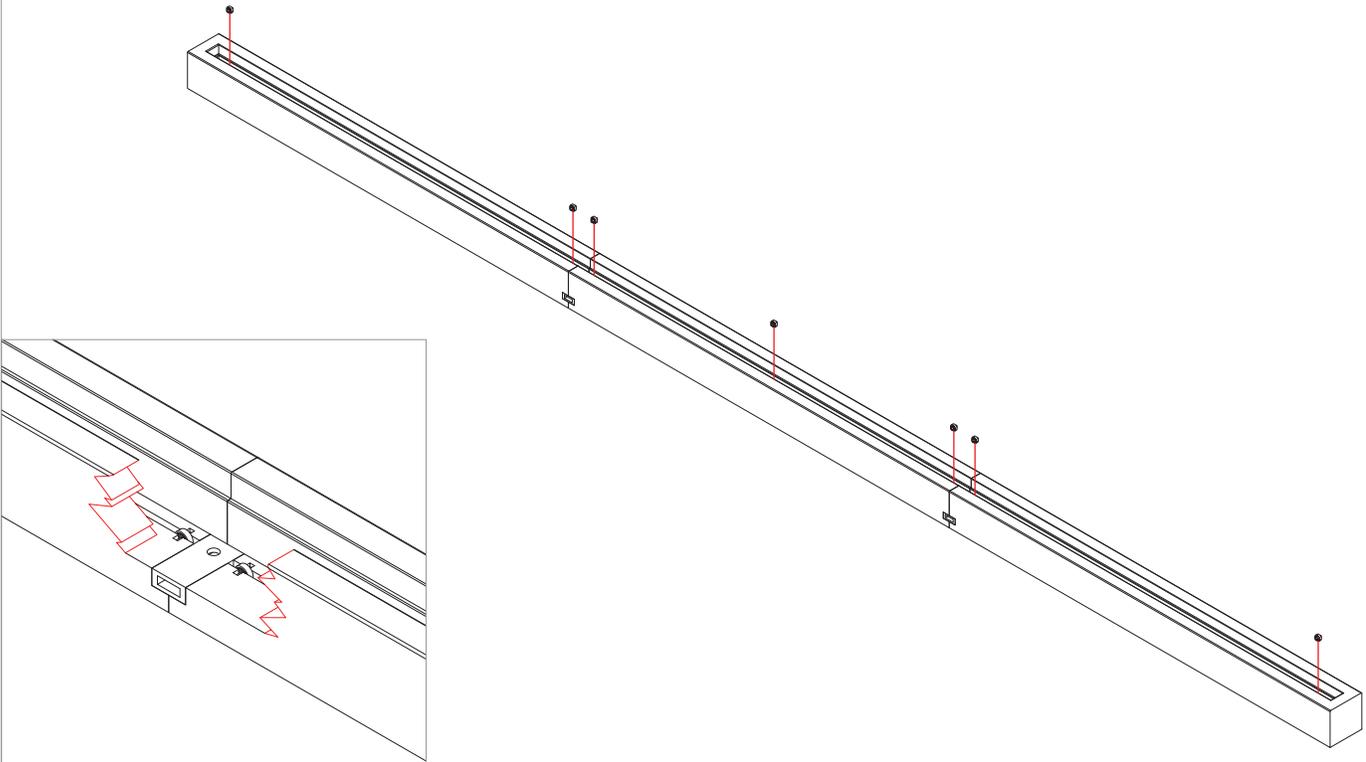
4 INSTALL AND REMOVE DUMMY LENSES

· CLEAR ACRYLIC DUMMY LENSES ARE PROVIDED TO INSERT ACROSS SECTION JOINTS TO HELP ACCURATELY ALIGN AND LEVEL FIXTURES. **NOTE: FIXTURES MUST BE LEVEL**



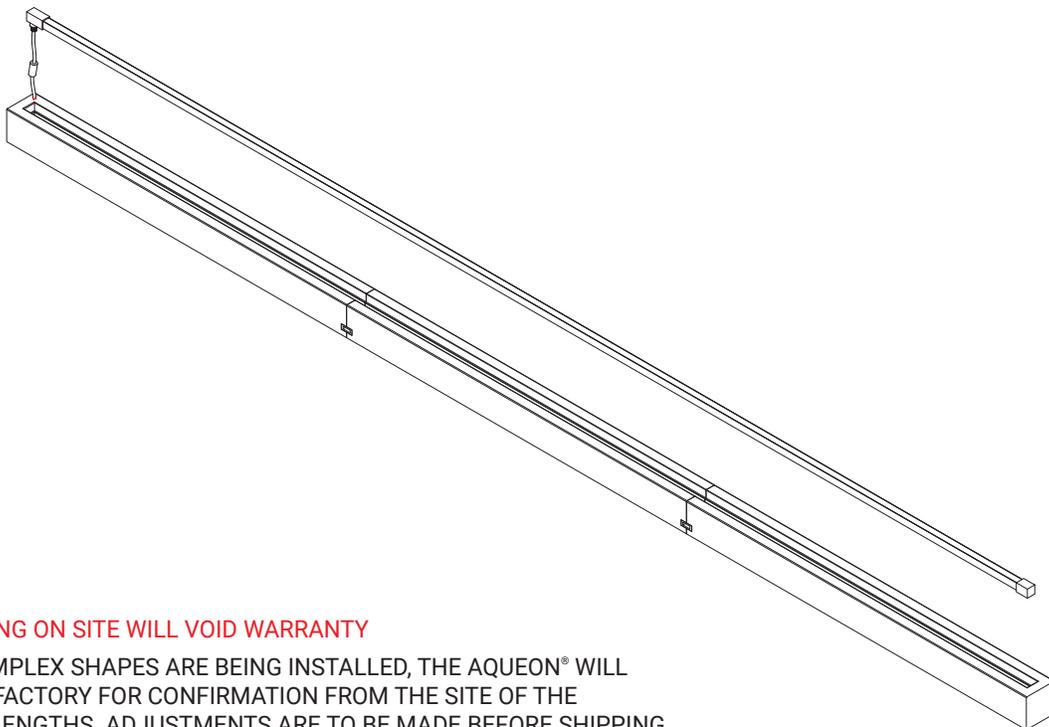
5 PLACE BEARING(S) ON THE AXLE(S)

- PLACE THE BEARING(S) ON THE AXLE(S), THEN PLACE WITHIN THE CAVITIES ALONG THE BOTTOM OF THE FIXTURE CHANNEL.



6 LAY OUT AQUEON® LED STRIP(S)

- LAY OUT THE AQUEON® LED STRIP(S) TO THE FULL LENGTH OF THE FORTACAST® RUN, AND CHECK THAT IT FITS WITHING 1½" IF THE STRIPS ARE TOO LONG, THEY MUST BE RETURNED TO ORGANIC LIGHTING® TO BE CUT AND RESEALED.

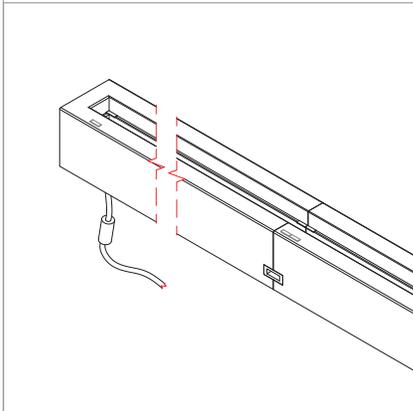
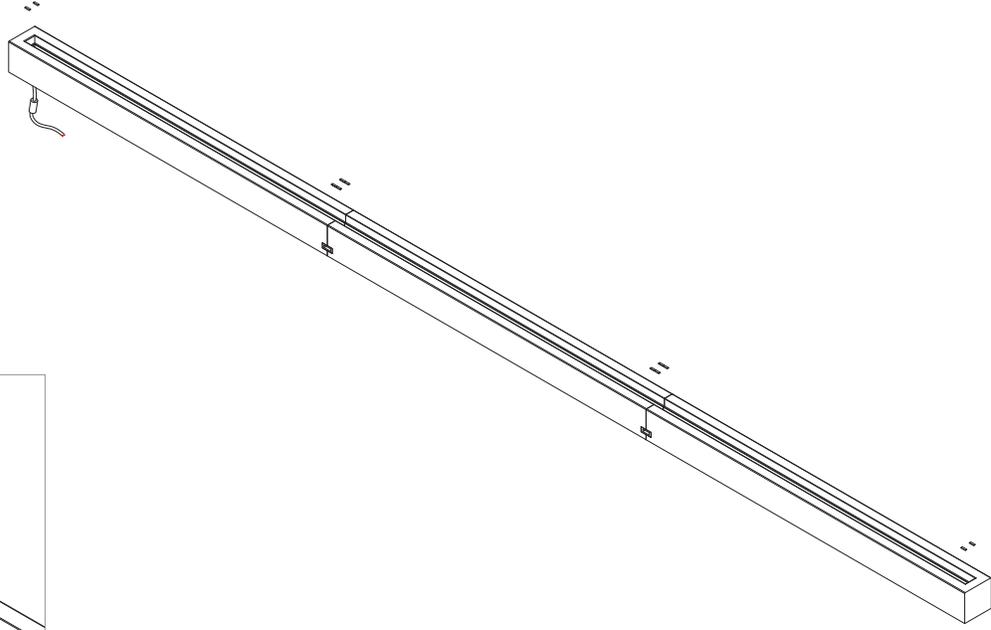


WARNING: CUTTING ON SITE WILL VOID WARRANTY

NOTE: WHEN COMPLEX SHAPES ARE BEING INSTALLED, THE AQUEON® WILL BE HELD AT THE FACTORY FOR CONFIRMATION FROM THE SITE OF THE INSTALLED RUN LENGTHS. ADJUSTMENTS ARE TO BE MADE BEFORE SHIPPING.

7 PLACE ADHESIVE TAPE ON FORTACAST®

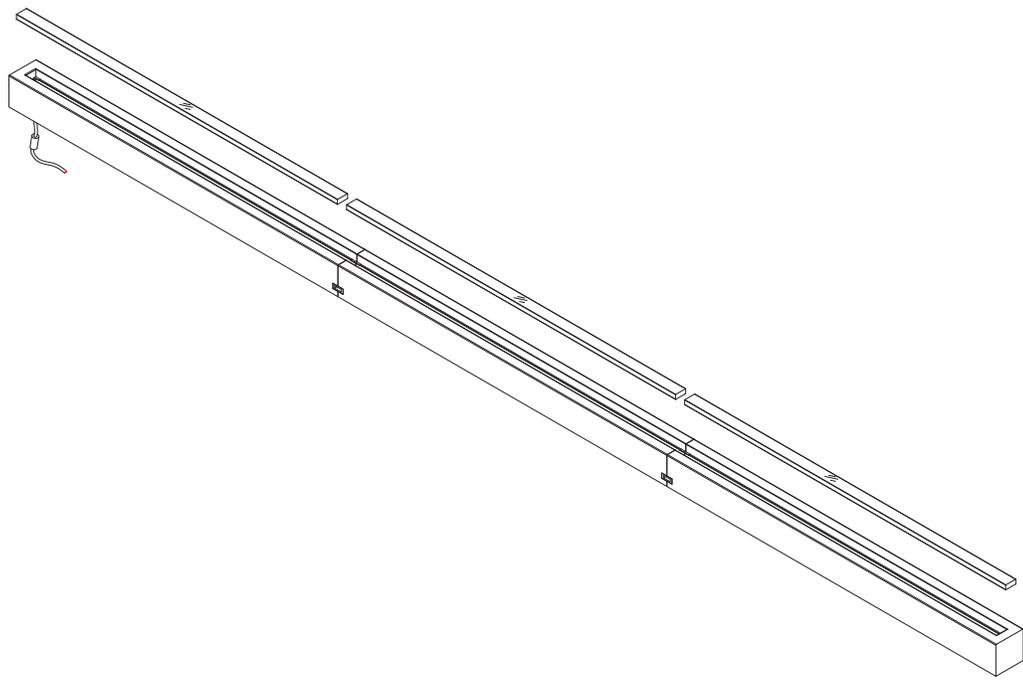
· SEE BELOW NOTE. PLACE A ¼" x 2" ACRYLIC ADHESIVE TAPE ON BOTH SIDES OF THE FORTACAST® ON EACH SIDE OF EVERY END.



NOTE: BEFORE STEP 7, ENSURE THAT THE FORTACAST FIXTURES ARE CLEAN AND DRY INTERNALLY BEFORE INSTALLING THE ACRYLIC ADHESIVE TAPE. AT THIS POINT, THE CONTRACTOR HAS THE OPTION OF PLACING THE DUMMY TOP LENSES TEMPORARILY WHILE PAVING OR POURING TAKES PLACE.

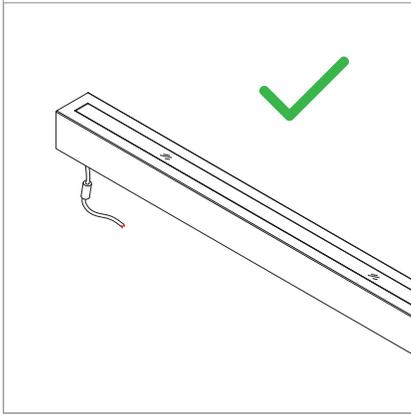
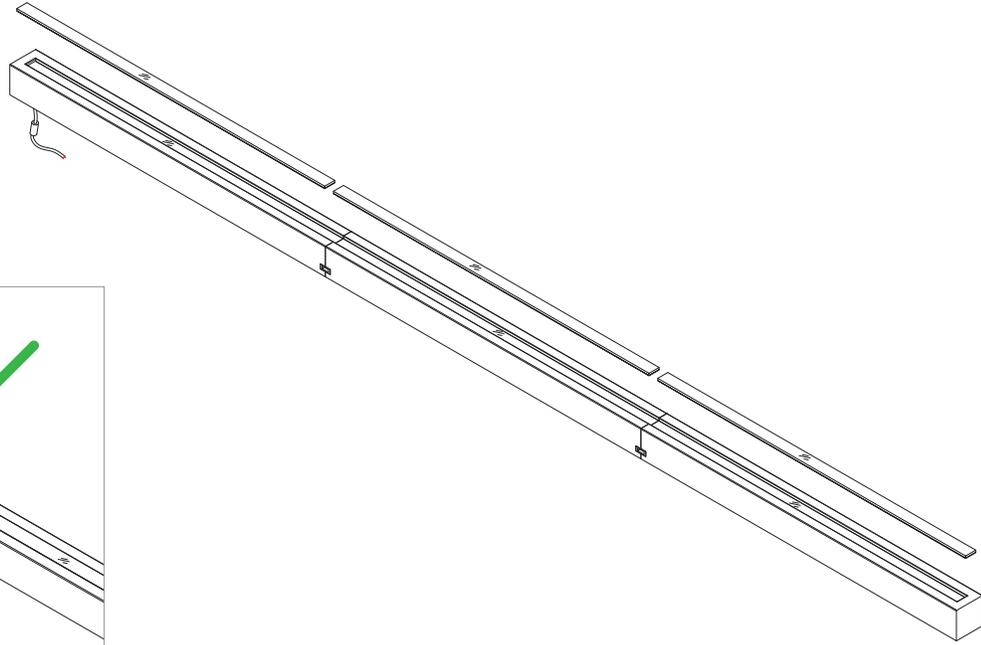
8 INSTALL LOWER LENS

· TAKE OFF COVERS OF THE ACRYLIC ADHESIVE TAPES. THEN INSTALL LOWER LENSES BY PLACING THE FIRST LENS OVER THE FORTACAST / END CAP (SITS ON TOP OF THE ACRYLIC TAPE).
 · BUTT TOGETHER THE REST OF THE LOWER LENSES. EACH LOWER LENS SHOULD FIT THE ENTIRE LENGTH OF THE CORRESPONDING PRECAST PIECE.



9 INSTALL TOP LENS(ES)

- LASTLY, PEEL OF THE DOUBLE ADHESIVE PLASTIC ON THE ¼" DIFFUSED FLEXIBLE TOP LENSES.
- PLACE LENS(ES) OVER THE POWER FORTACAST®/ END CAP.
- BUTT TOGETHER THE REST OF THE UPPER LENS(ES) ACROSS THE ENTIRE FORTACAST RUN. FILL IN GAPS (IF ANY) WITH SILICONE.



FortaCast InGround INSTALLATION INSTRUCTIONS TYPICAL with JUNCTIONS

IMPORTANT:

- READ THE PROVIDED ICPI INSTRUCTIONS PRIOR TO INSTALLING.
- INSTALLATION SHOULD BE CARRIED OUT BY CERTIFIED INSTALLERS WITH EXPERIENCE IN THE INSTALLATION OF INTERLOCKING CONCRETE PAVEMENT SYSTEMS
- CONNECT AND TEST LED STRIP BEFORE INSTALLATION IN FIXTURES AND AGAIN BEFORE SEALING LENSES.

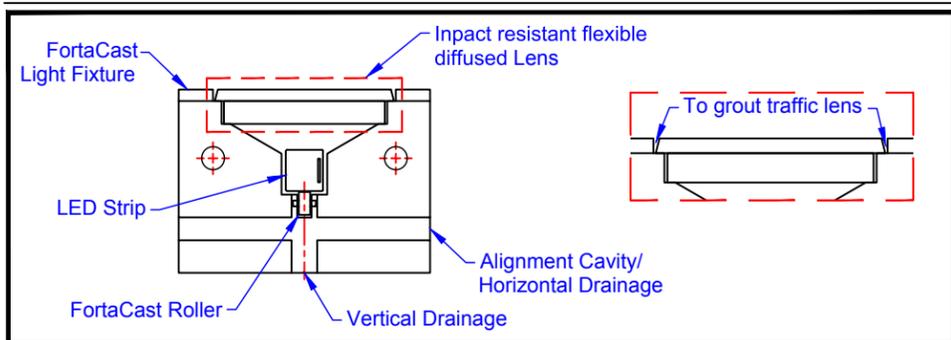
COMPONENTS INCLUDE:

1. FortaCast InGround
2. Traffic Supporting Lenses (Upper & Lower) IP68
3. LED Flexible Strip
4. Self adhesive lens cushion tape.
5. Joints Sealant (Laticrete MVIS)
6. Glass Silicone (Optically Clear)
7. FortaCast Roller (Wheel & Axle)
8. Alignment Bar

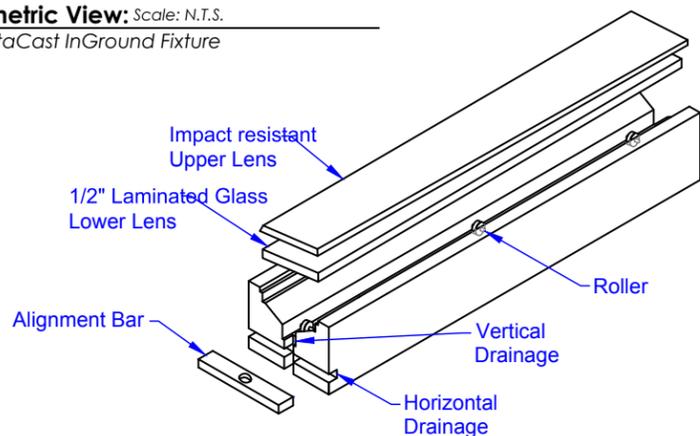
SPECIFICATIONS:

- Height: 4"
- Length: 36" Typical
- Width: 5 1/2"
- Weight: ~50 lbs
- Material: Concrete

Side View: Scale: N.T.S.



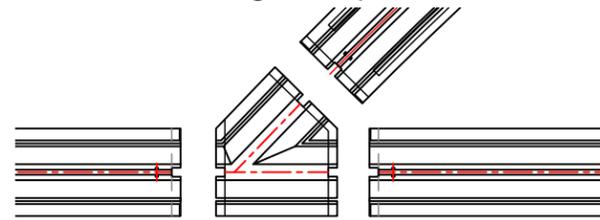
Isometric View: Scale: N.T.S.
FortaCast InGround Fixture



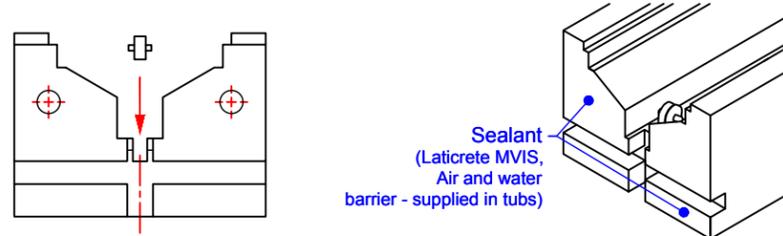
The installation information in this guide is a simplified version of the full ICPI (Interlocking Concrete Pavement Institute) guide to installing precast pavers and the guidelines which accompany our products should be carefully followed. We recommend that installers should be certified by ICPI and fully experienced in setting pavement materials. Typical installation drawings are attached which show bedding methods and project types as a guide to understanding appropriate methods of installation and the importance of using experienced contractors. For more information visit www.icpi.org/resource-library

AFTER PREPARING SUITABLE BEDDING ACCORDING TO PROFESSIONAL PAVING INSTALLATION METHODS FOLLOW THESE INSTALLATION INSTRUCTIONS.

1. Set junction precast section into place first evenly and without disturbing the sand with extra vertical or horizontal motion
2. Support each mating section securely, moving it within 1" from each other before lowering it into place

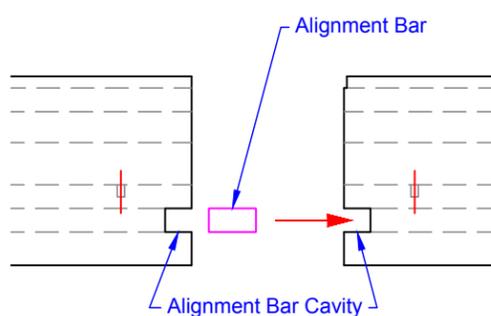


3. Make sure FortaCast section is dry, clear of debris and dust free
4. Place (3) rollers in each precast section
5. Apply Laticrete MVIS sealant to the face of the set section

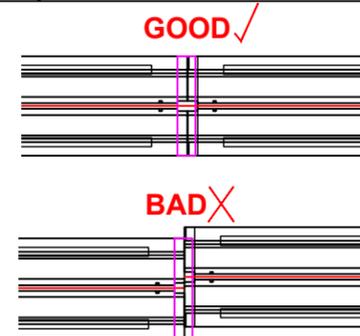


6. Insert alignment bar to accurately align and level the precast sections

Side View: Scale: N.T.S.



Top View: Scale: N.T.S.

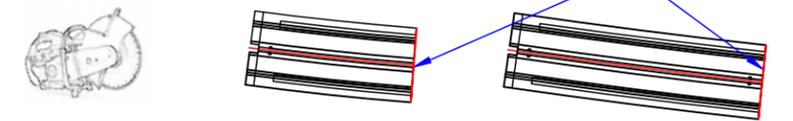


7. Check each concrete section is leveled with a Spirit Level

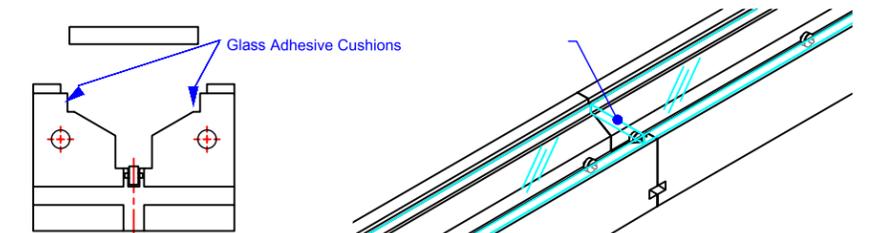


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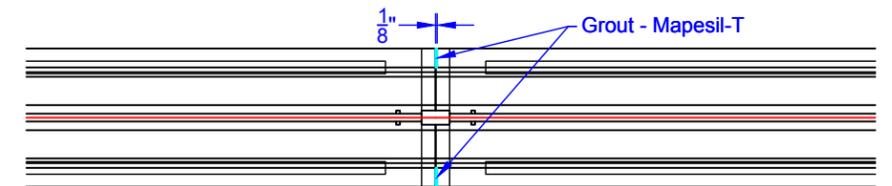
For Curved Plan: Curved FortaCast and lens may need to be custom cut to fit in certain areas. Special sections are supplied without re-bar for on-site cutting purposes (identify and set aside) (See **Layout & Curved Custom Sections**)



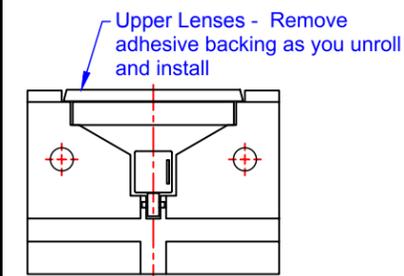
1.



2. Seal the FortaCast sections joint (if provided) by filling the 1/8" space between each fixture using the lens grout provided



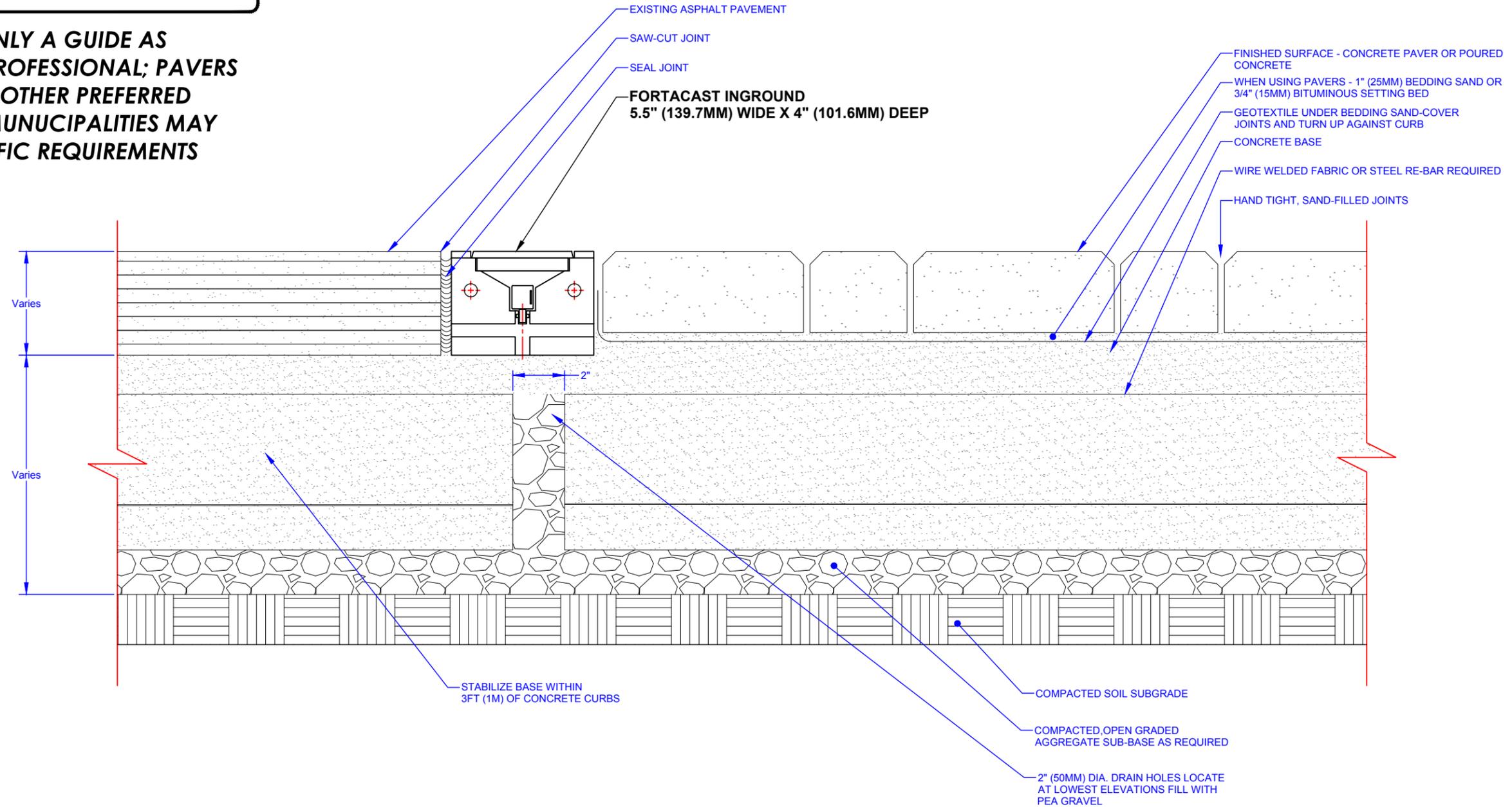
1. Verify that each LED strip powers on
2. Feed the end connector of the LED strip into the Power Feed Junctions (see **Power Feed Locations**)
3. Fit and press all Upper lenses in place - Butt ends should be beyond and not bat section joints!



**FortaCast InGround
TYPICAL BEDDING METHODS
& PROJECT TYPES**

TYPICAL CROSS WALK ON CONCRETE BASE

**THIS IS ONLY A GUIDE AS
EXPERIENCED PROFESSIONAL; PAVERS
MAY HAVE OTHER PREFERRED
METHODS & MUNICIPALITIES MAY
HAVE SPECIFIC REQUIREMENTS**



- NOTE:**
1. BASE THICKNESS AND REINFORCING VARIES WITH TRAFFIC, CLIMATE, AND SUBGRADE CONDITIONS.
 2. CONCRETE BASE MINIMUM 2% SLOPE FROM CENTERLINE TO CURB.
 3. DO NOT PROVIDE DRAIN HOLES TO SUBGRADE WHEN WATER TABLE IS LESS THAN 2FT. (0.6M) FROM TOP OF SOIL SUBGRADE. PROVIDE DRAIN HOLES TO CATCH BASINS.

ORGANIC LIGHTING®

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 f 626.969.6830 www.orgatech.com

FortaCast InGround TYPICAL BEDDING METHODS & PROJECT TYPES

This page is included as a guide for general contractors and other installers of the need for proper bedding preparation for the installation of FortaCast concrete sections and FortaCast drive over lighting fixtures. They are to serve as a guide for specifiers and architects to ensure that the installation methods on page 1 result in a successful and enduring installation.

THIS IS ONLY A GUIDE AS EXPERIENCED PROFESSIONAL; PAVERS MAY HAVE OTHER PREFERRED METHODS & MUNICIPALITIES MAY HAVE SPECIFIC REQUIREMENTS

