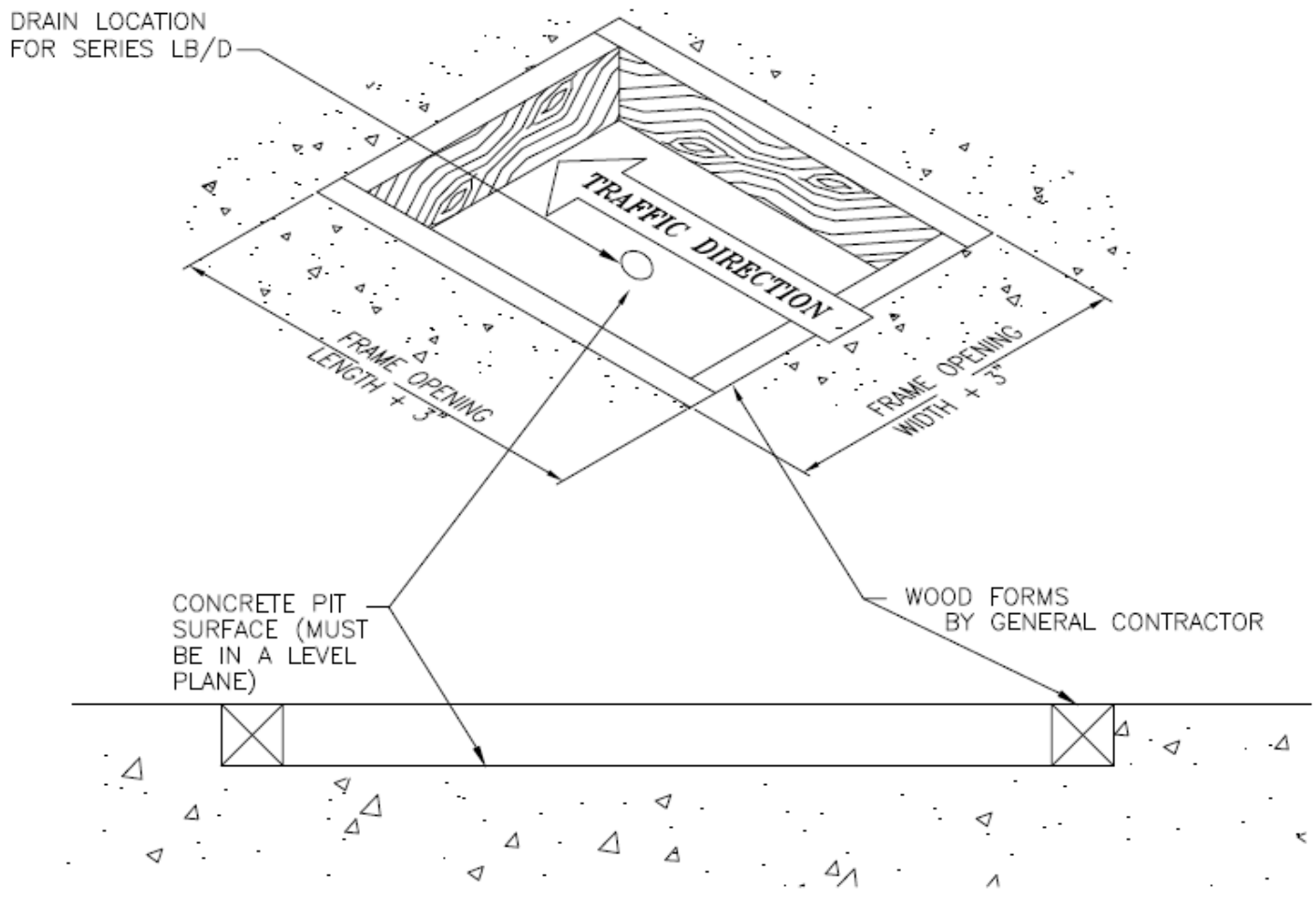


1 13/16" Recessed Grille Mat

Installation Instructions

Proper installation is necessary to ensure that your warranty will be honored.

LEVEL BASE FRAME INSTALLATION (with & without drain pan)

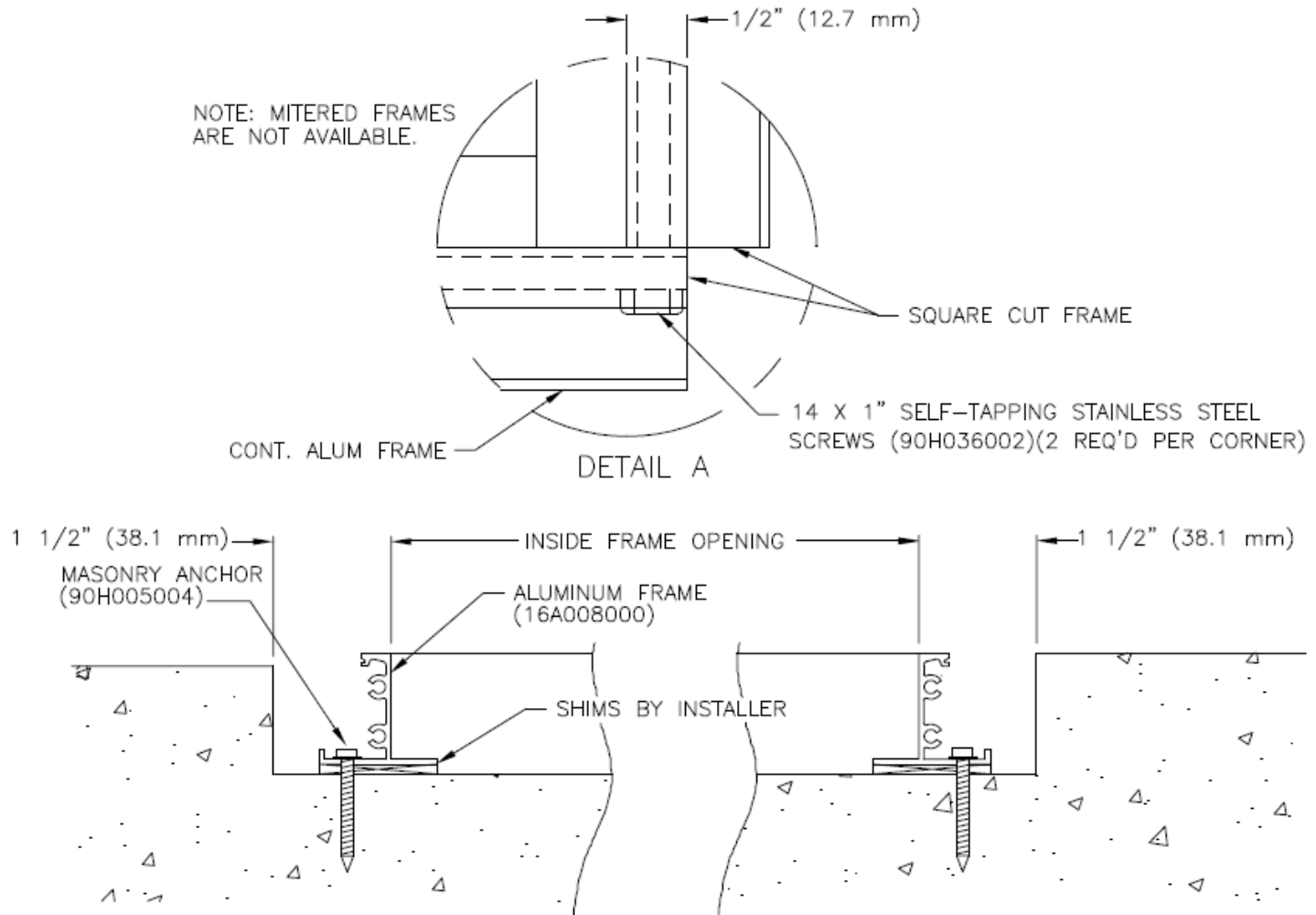


1. Before beginning any installation, **confirm** that the orientation of the tread surfaces on the grid assembly run perpendicular to the traffic direction.
2. Provide blockout in concrete 3" (76.2mm) greater than the actual width and length of the frame grille mat. The level base frame depth is 1-13/16" (46.0mm). Subtract the finished floor depth from the frame depth and add 1/4" (6.4mm); this dimension will be the **total** blockout depth. (The bronze tip application requires that a 1/8" (3.18mm) be added to the total blockout depth.

NOTE: The additional 1/4" (6.4mm) allows for irregularities in the concrete base of the pit opening.

NOTE: Irregularities beyond (1/4" (6.4mm)) will not permit the exposed frame surface and the horizontal plane of the grid surface to align properly. This may cause tripping hazards and / or create an area of the mat to wear prematurely and thus possibly voiding the warranty.

3. If applicable, locate the 2" (50.8mm) drain pipe and trap while pouring concrete.



4. After the concrete has cured, remove the wood forms.
5. Assemble the pieces of the level base frame using two self-tapping screws at each corner. The ends of the frame pieces have been factory notched and punched to permit quick assembly (see Detail A above).
6. Set the frame assembly in the formed blockout, centering the assembly within the blockout.
7. Shim the frame assembly to locate the exposed frame surface flush with the finished floor surface.
Confirm that the frame depth will accommodate the thickness of the adjacent floor finish.

NOTE: Irregular and odd-shaped grid modules require a trial fit within the frame assembly prior to anchoring the frames to ensure the correct frame location.

8. Once the assembly has been shimmed, anchor it in place. It is very important that the frames be installed both plumb and square.

NOTE: If necessary, brace the frames to ensure they will remain square during the grout application.

9. For RGM with level base frame and drain AND RGM will level base frame, drain and drain pan: shim and anchor pan as shown above, allowing for drain pipe cutout, and attached PVC drain and SS strainer.

10. Clean the concrete breakout to remove all dirt, oily films and debris.

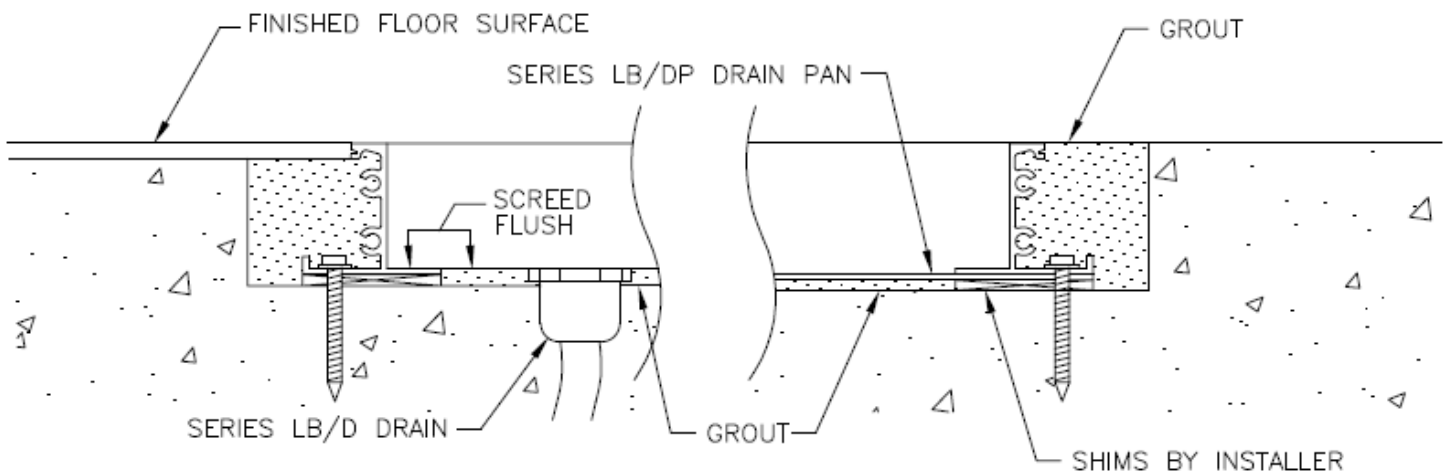
11. Grout the concrete pit surface using a waterproof, self-leveling grout. Recommended brands include:

- Quickrete: #1585 mixed with #8610 acrylic fortifier. For technical assistance, call Quickrete at 800-282-5828 (www.quickrete.com).
- VinylCrete with acrylic fortifier. For technical assistance, call UMACO, Inc. at 978-453-8881 (www.umaco.com).

A. Pour and level the grout using the legs within the frame opening as screed points (see Illustration 3.1)

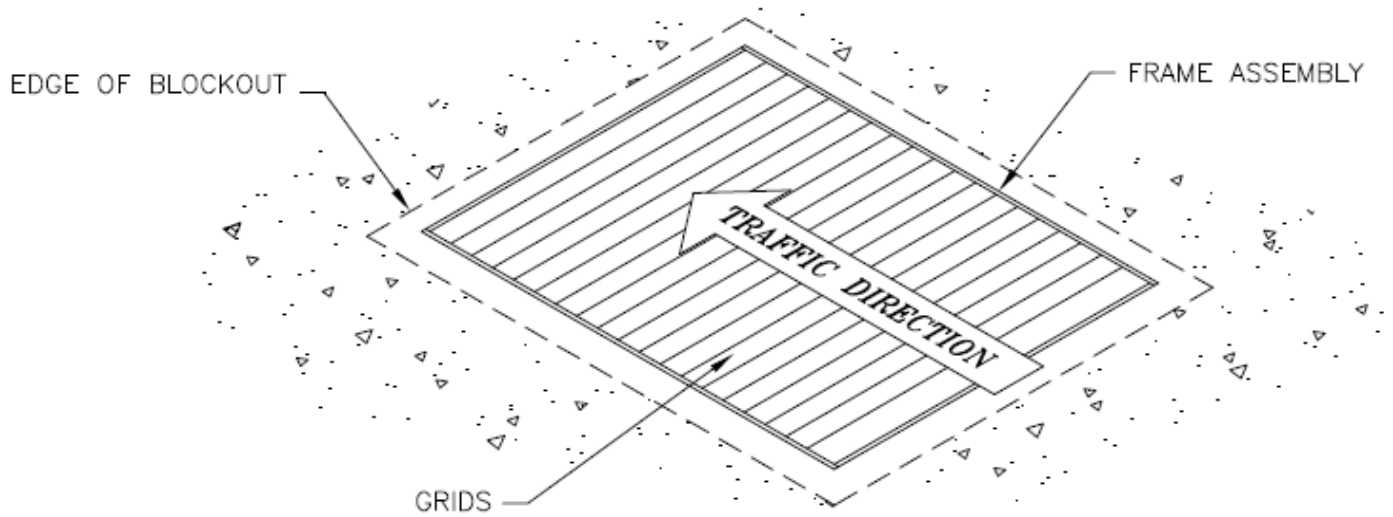
B. This surface **must** be smooth and level to ensure proper grid installation, alignment and to prevent tripping hazards.

C. If using a drain pan, mix the grout “wet” to allow it to run back underneath the drain pan.



12. Complete the frame assembly installation by applying the grout between the frame and concrete. Pour the grout flush with the surrounding concrete.

NOTE: Allow the grout material sufficient time to cure properly before inserting the grid within the framed opening.



13. The grid(s) are now installed within the frame by laying them into their proper position. Position the vinyl cushions on the rails 24" (0.60m) on center to create a plumb, solid flush finished surface. If

The installation is now complete. It is necessary to cover the installation with 3/4" (19.05mm) plywood until all additional project work is complete. Failure to do so allows the grid to be abused beyond its intended application and may void the warranty.

Never wheel heavy loads over the grids. Heavy loads wheeled over the units may bend and damage the units contributing to their premature failure and / or cause a tripping hazard. Heavy loads include, but are not limited to: cars, boats, forklifts, pallet jacks, etc.