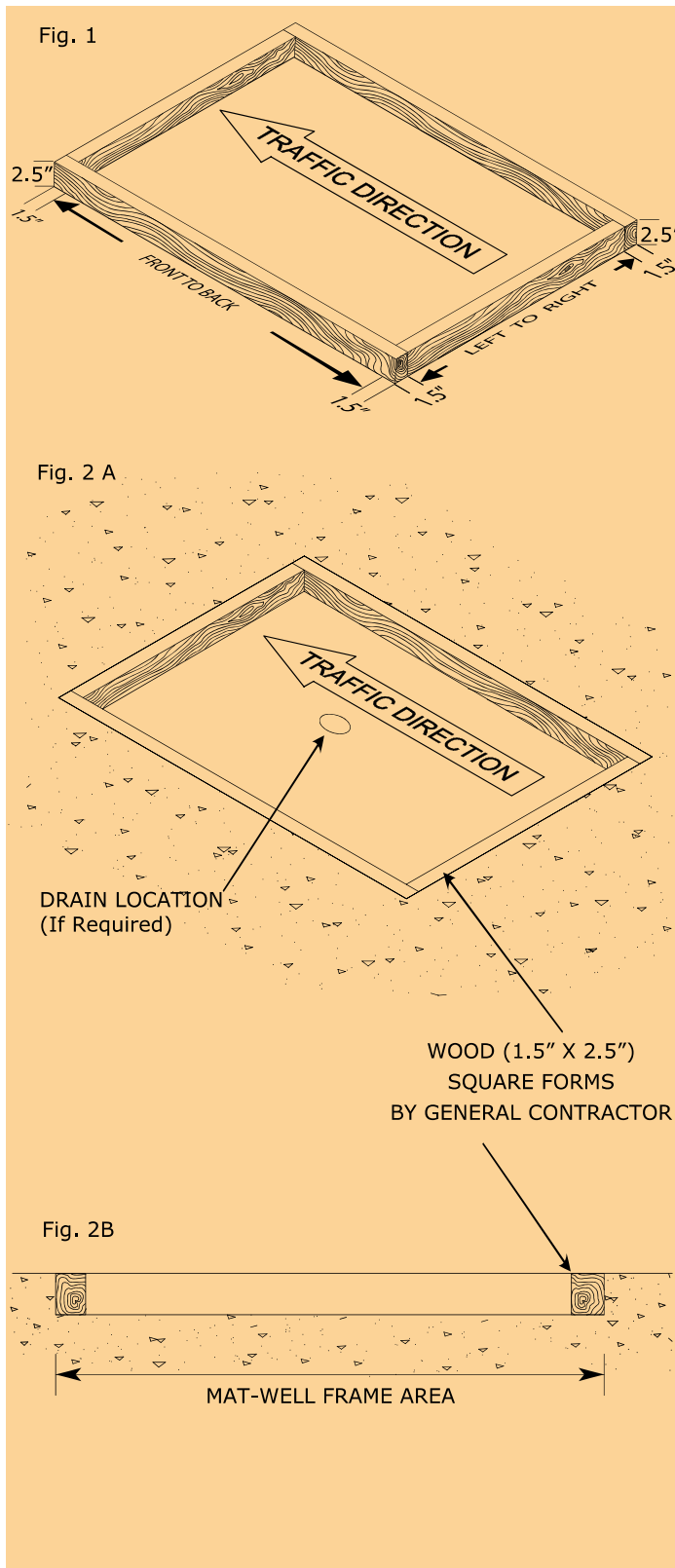


Entrance Mat & Mat-Well Frame

Material must be stored & installed in controlled environment.



1. First of all make sure that the direction of strips and profile of the Mat assembly and the orientation of the tread surface on the mat-grid run perpendicular to the walking direction.
2. After establishing the location and area of proposed mat, create a blockout with the help of wooden batons as shown in fig. 2A.
3. A. For 29mm overall height Mat well Frame: Place 1.5"(width) X 2.5"(depth) wooden stump blocks as a stopper while pouring the concrete on outer area and then forms the blockout area.(Fig.1)
 B. For 50mm overall height Mat well Frame: Place 3.5"(width) X 3.5"(depth) wooden stump blocks as a stopper while pouring the concrete on outer area and then forms the blockout area.
4. After setting the wooden forms around, fill the concrete around the wooden frame. Level of concrete flush with the top surface of wooden forms.(Fig.2A & 2B)
5. Remove the wood form after concrete has cured.
6. Cut Aluminum Mat-Well frame profiles at required length. Cut off ends of frame profiles by making 45 degree angle from outer edge to inwards, to get 90 degree square angle when two ends of frame profiles (adjacent-sides) joint at the corner in frame assebly.



Entrance Mat & Mat-Well Frame

Fig. 3A

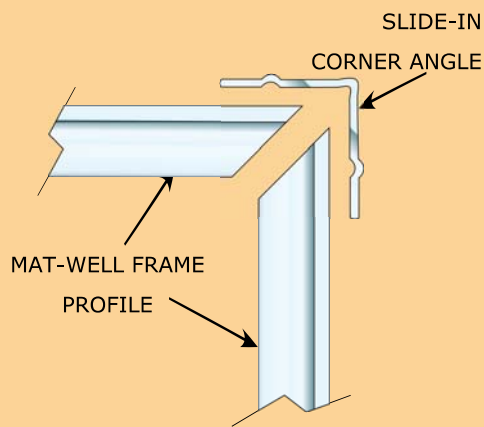
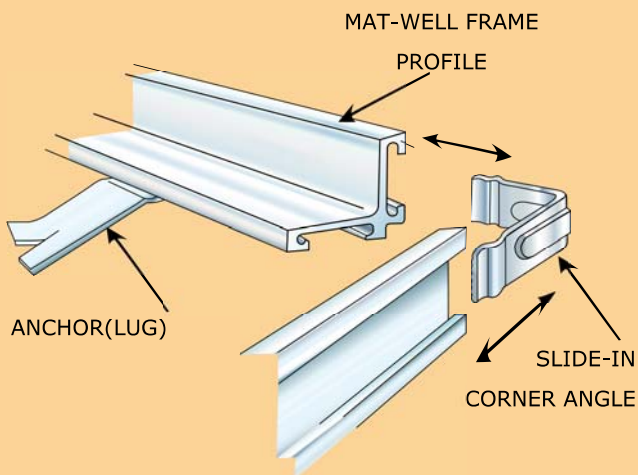


Fig. 3B



7. Determine the location for aluminum anchor (lug) in the well frame. Position lugs away from the corner in each direction. (At least 1 lug per 1 foot must be provided).
8. Slide the head of aluminum anchor in to the slot provided in the frame profile and move through to desired position.
9. Join the profiles at its ends to get square corner by inserting an aluminum corner angle, that hold the frame assembly tight and keep square angle at the corner of frame assembly, after inserting required number of anchors in all frame profiles. (Fig. 3A & 3B)
10. Clean concrete blockout area by removing all dirt and debris.
11. Secure the matwell frame assembly in right position as a complete unit in the formed blockout and centering it with in the pit area.
12. Shim the frame assembly to make sure it's exposed frame surface is level, flat and flush with the finished floor surface. Brace the frame assembly, if necessary, to avoid dislocation of it and ensure that they will remain parallel and square during grouting.
13. (Optional) Place the Pan inside the frame, allowing for drain pipe cut out. Plumb and shim the pan inside the frame and keep its level to the depth from the top of well frame, that sufficiently accommodate the thickness of proposed mat grid assembly.
 - A. Attach 2" (50 mm) PVC drain and S/S stainer to cut out in the pan.
 - B. Grout the concrete blockout space using water proof self leveling grout.
 - C. Mix the grout with some more water to allow the grout to run back under the drain pan.



Entrance Mat & Mat-Well Frame

DETAILED SECTION OF MAT-WELL FRAME WITH ANCHORS

Fig. 4

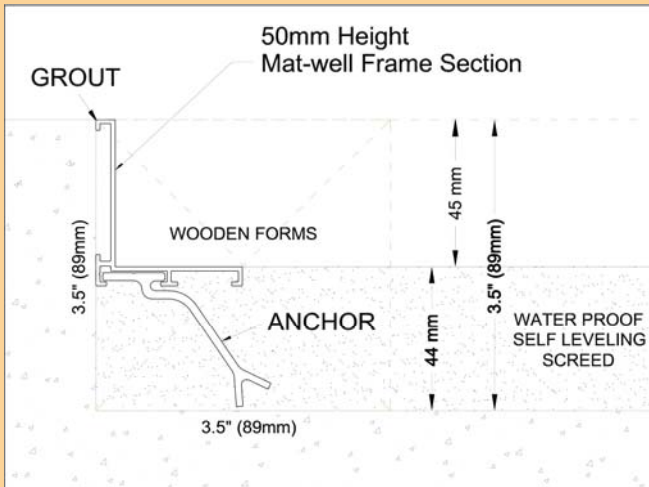


Fig. 6

COMPLETED INSTALLATION

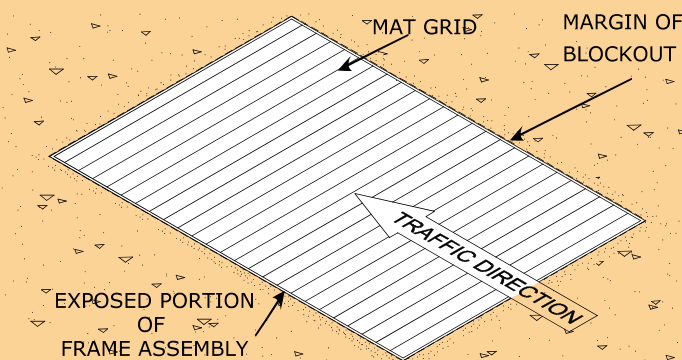
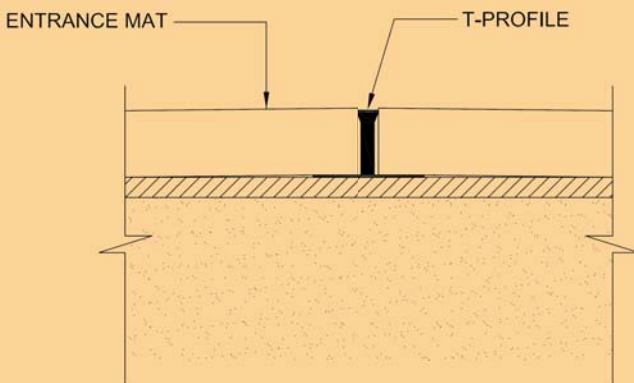
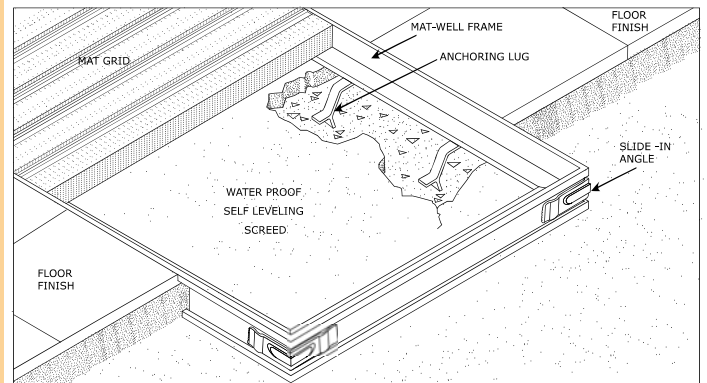


Fig. 7



14. If the assembly is for level base frame without drain, pour and level the screed.
15. Surface level of the screed inside the frame should be at the depth that accurately accommodate the thickness of the proposed Mat. The surface must be smooth and level to ensure proper grid mat installation. (Fig.4)
16. Finish the Frame installation by pouring the grout between the frame and concrete till it flush or level with the surrounding concrete. (Fig.5)



17. Allow the time to cure grout and screed.
18. Lower the mat grid assembly inside the frame by laying them into their proper direction.
19. Make sure that the exposed frame surface and the horizontal surface of grid align properly.
20. After completing the installation of mat, cover the area with 3/4" (19mm) plywood until all additional project work is complete.
21. For bigger mat size, use the T-PROFILE for connection. T-PROFILE must be installed parallel to the Traffic Direction. (See Fig. 7)

