

SHERA™

build better, live better

SHERA FLOOR BOARD PATCH REPAIR MANUAL

SHERA boards comes with extra-ordinary properties which makes it best suitable for raised flooring and mezzanine flooring applications. SHERA offers complete flooring solution in order to suffice the requirements of the user to sustain uniformly distributed load and point load on floor application.

During installation process there can be some physical damages on boards like wrongly cut holes, damaged due to impact etc. These kind of physical damages can be repaired very easily by following this manual.



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Introduction

The SHERA Floor Board Patch Repair Manual provides its user a step-by-step solution for repairing board damages. Before rectification user should completely understand the route cause and follow the procedure mentioned in this manual carefully.

Analysing Repairing Area

Before starting the repair, assess the damaged area's size and location. Generally, damages can be categorized into two types: small areas (less than 6 inches) and large areas (greater than 6 inches). For small area damage, a patchwork repair is suitable, whereas larger damages may require partial replacement of the SHERA board. The following guidelines outline the step-by-step process for each type of repair, ensuring a efficient and effective rectification process.



List of Tools & Equipment

Screw machine



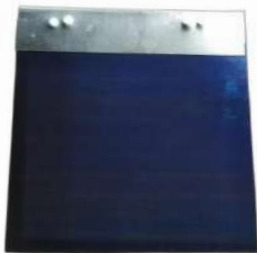
Angle Grinder with cutter blade



Electronic frame finder



Lambi Patra



Sand Paper

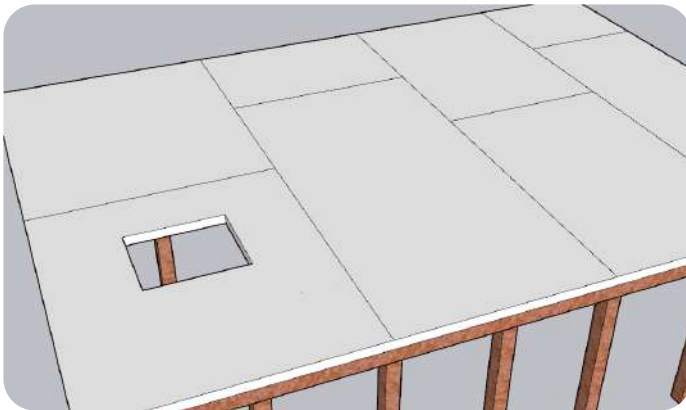
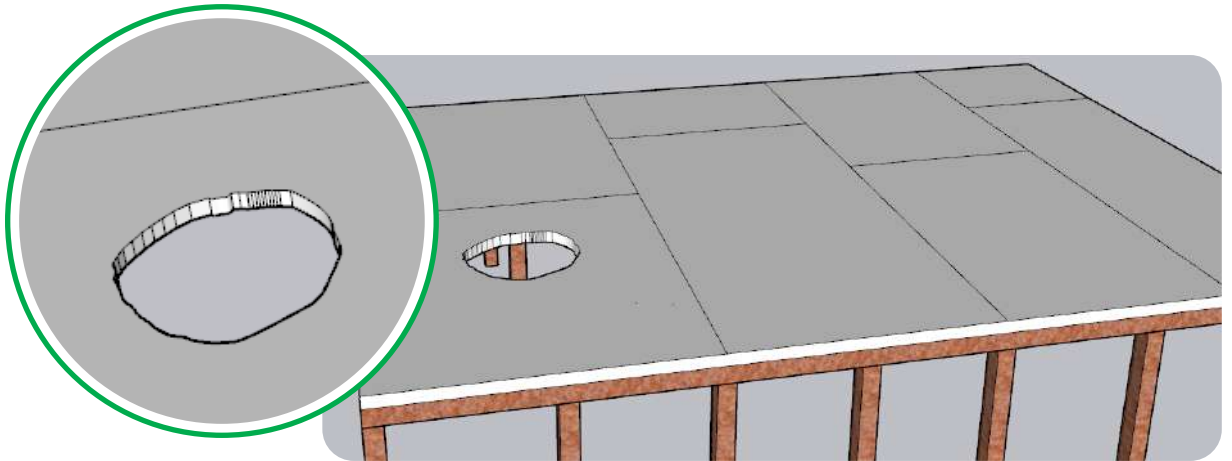


Hand Gloves



Methodology for Small Area (Length /Breadth, Diameter \leq 6 inches)

Identify the damaged area on SHERA Boards and ensure that the size of damaged area is less than 6inches. This type of damage will be treated as mentioned below



01

Cut out the damaged area to form a square or circular shape, to facilitate easier repair and achieve a smoother finish.

02

Use sandpaper to clean the surface and edges by removing loose particles. Follow up by wiping the surface with a clean cloth to remove any remaining dust or foreign particles, ensuring a clean surface for repair.

03

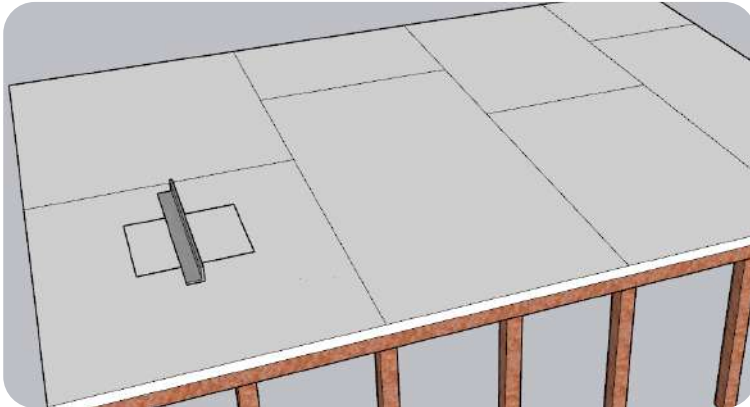
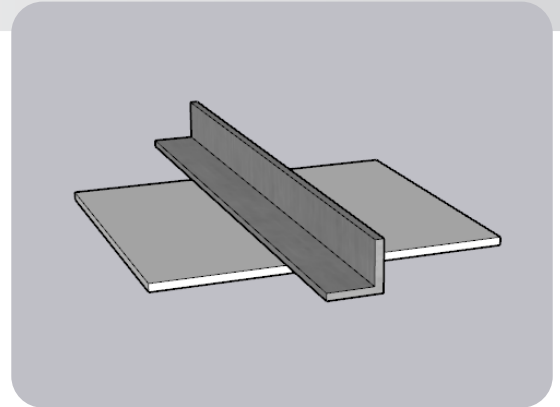
Cut a piece of SHERA board to match the shape of the cutout area (round or square). Ensure the edges of the cut piece are clean and free of dust for a precise fit and optimal bonding.

04

Take a piece of aluminum L-angle and cut it to a size approximately 50mm larger than the both the edges of cutout area. This will provide sufficient support and stability for the repair process.

05

Fix the L-angle to the cut piece of SHERA board (the patch) using either a single screw or double-sided tape. This will provide temporary support and alignment for the patch as it is placed into the cutout area.



06

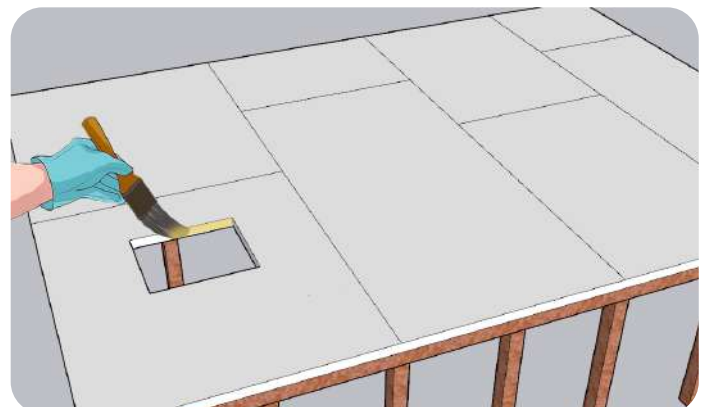
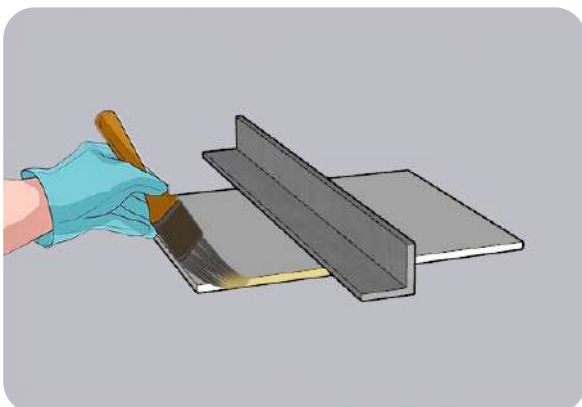
Place the patch with L-angle support at the cutout area and ensure proper leveling and size cutting. Ensure that the cut piece of the board will be flush with the existing board level. Once confirmed, set it aside for the next step.

07

Select a high-quality, branded epoxy glue and mix it as per the manufacturer's instructions to ensure optimal performance and bonding strength between the edges of the SHERA board.

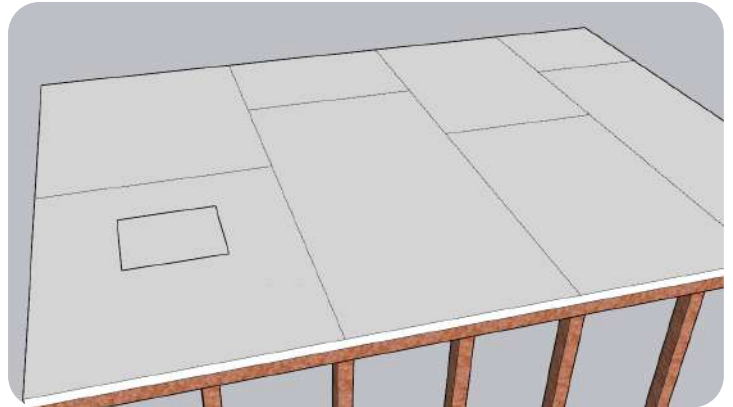
08

Apply epoxy glue evenly along the edges of the cut piece and edges of the cut out area. After glue is applied please place the patch along with L-angle support to ensure that the edges of the patch matches perfectly with existing cutout.



09

Once the patch is placed in cut out please allow the epoxy glue dry completely. Once the glue used to fix the patch is completely dried please remove the L-angle support. For a seamless finish, treat the screw hole area with acrylic putty. Alternatively, if masking tape was used to secure the L-angle, it can be simply peeled off after the epoxy has dried.



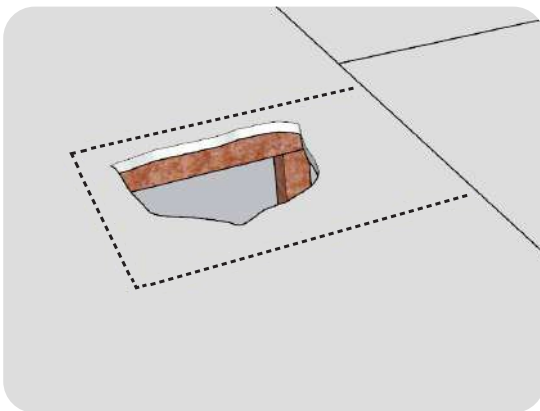
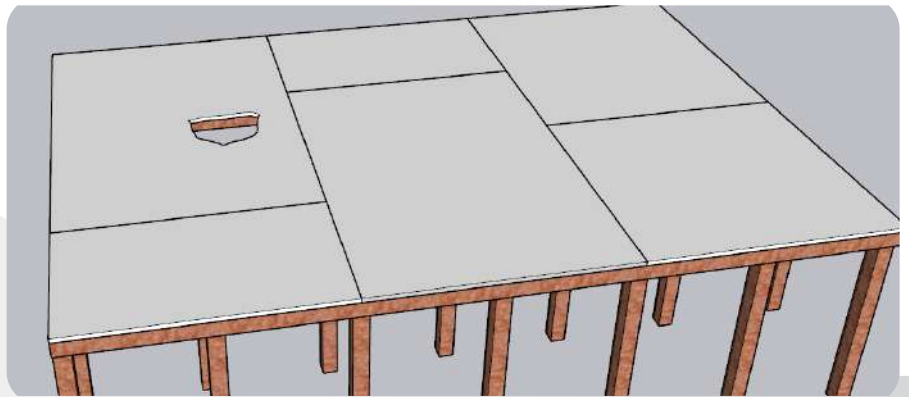
10

Once the L angle is removed, please treat the floor area as per desired finish by applying Floor Paints OR Tiles / Marbles PR Floor Carpets.



Methodology for Large Area (Length /Breadth, Diameter \geq 6 inches)

Identify the damaged area on SHERA Boards and check if the size of damaged area is more than 6 inches. This type of damage will be treated as mentioned below

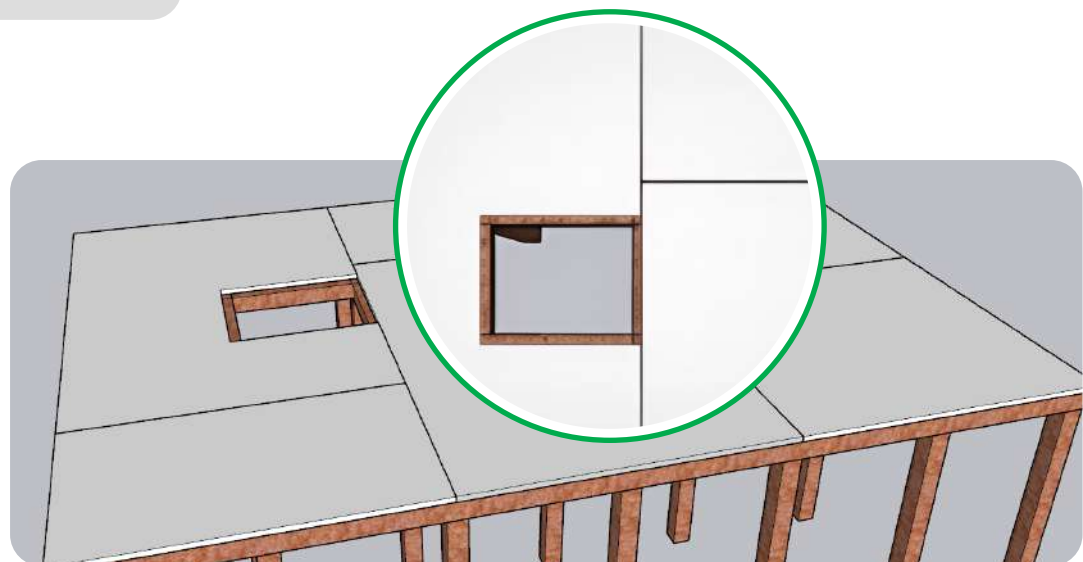


01

Use a electronic frame finder to identify the framing grid lines and cut a small portion of board in such a manner that one should be able to identify center line of supporting frame. Use chalk line to mark the center line of the supporting frame on all the four sides please ensure that this supporting frames are selected in such a way that damaged board should be removed completely.

02

Using cutter machine cut the SHERA Board along the center line marked and remove the damaged area of board.

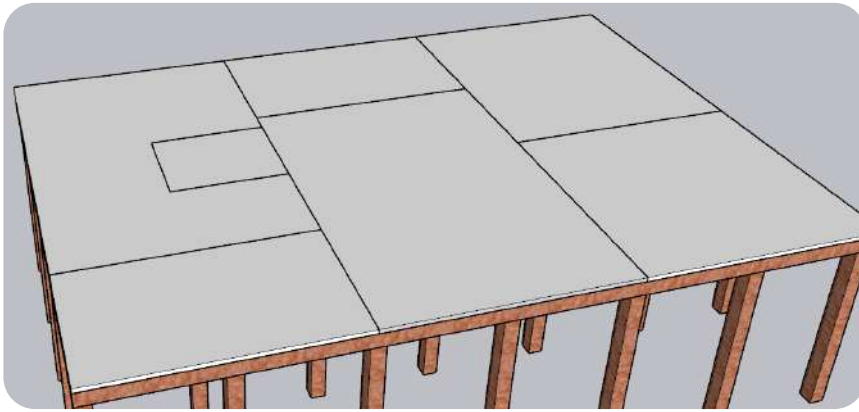


03

While cutting the SHERA board, ensure that the underlying supporting structures (e.g., framing members) are not damaged. Also ensure that board is cut in such a way that minimum 12mm grip is available to fix the cut piece.

04

Cut a piece of SHERA board to match the cutout area. Ensure the edges of the cut piece are clean and free of dust so that board can be placed in the cutout area without leaving gaps along the edges.



05

Using SDST screws fix the edges of both cut piece and the adjacent board with supporting frame.

06

Once the damaged area is repaired, please treat the floor area as per desired finish by applying Floor Paints OR Tiles/ Marbles PR Floor Carpets.

For any further queries or concerns please connect with SHERA SOLUTIONS.



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