

EPS panels description

The panels are a light weight cladding. Using the EPS insulation panel on construction projects allows that the use of scaffolding can be effectively eliminated on most of the projects, aerial lifts may be used. The panels are premade and coated by a machine to eliminate any imperfections to the finished surface. In applications where appropriate panels may be installed over tracks with brackets. Heating and hording can be effectively eliminated from the installation process during cold season installs.

Depending on requested exterior design for the project shaped panels can be installed without aesthetic reveal to give continues surface (for example the look of hardy siding). The exterior face of the panels can be finished in a wide variety of shape, textures and colors. As designed the system provides drainage of 10 mm for both methods of installation over metal tracks or directly glued on via adhesive. The system provide a modern architectural look with thermal and acoustic insulation and installation time is shorter than most of claddings systems.

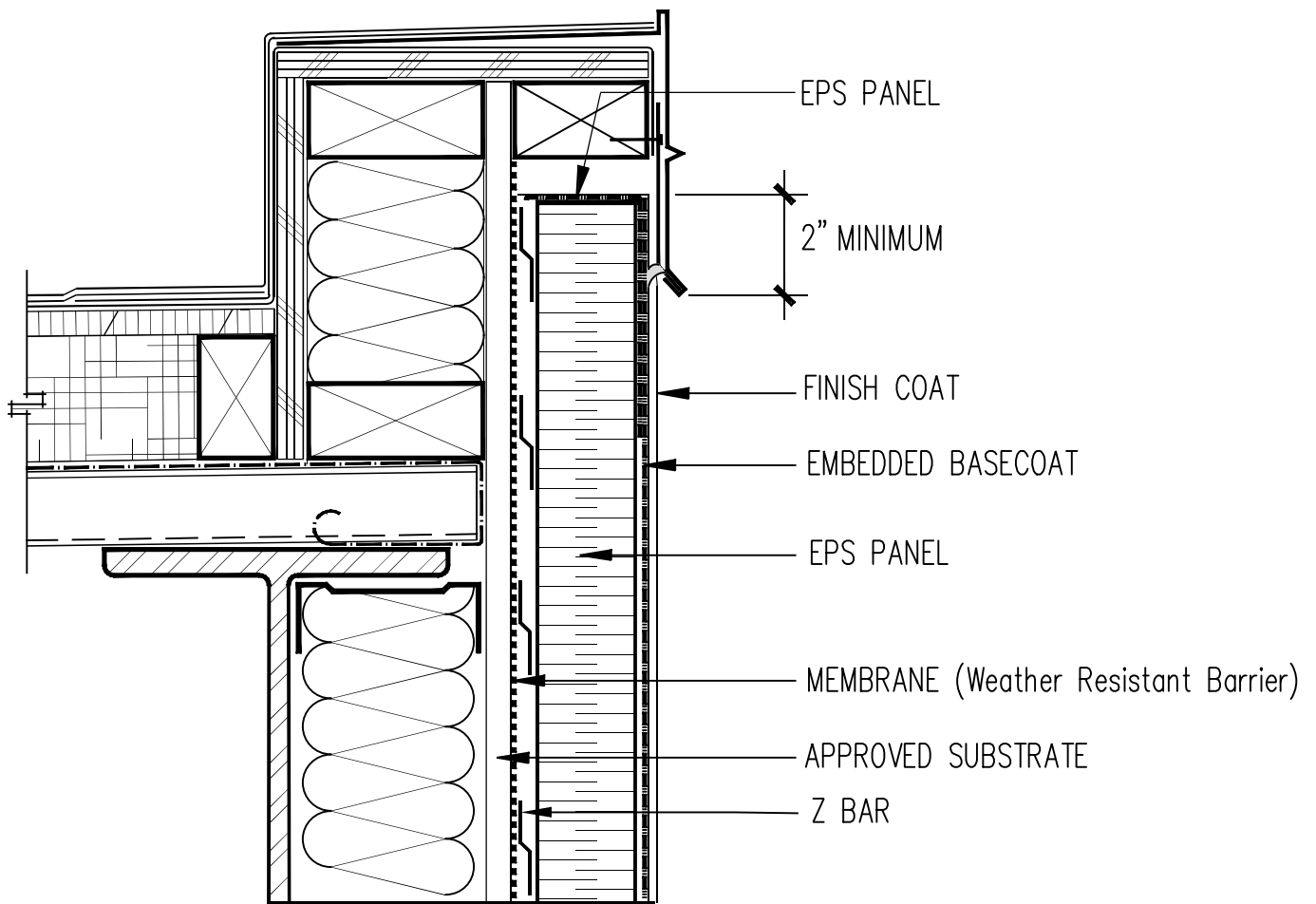
Panels can be glued on or installed over horizontal or vertical metal tracks or a mix between. Panel installation begins with tracks (10 mm Z bar) installation over preinstalled air/vapour barrier, flashings and insect screen on the exterior wall substrate. A U shape bracket is installed at the edge of the starting point. the first panel is inserted onto the U shaped bracket together with compatible glue see plan detail and Z bar is inserted into side grove and screw attached to the tracks, second panel is inserted into the groove of installed panel together with compatible glue, third panel will follow the same procedure and so on. The second row of panels start with a panel inserted in to the U shape bracket on the left and inserted on the tong of bottom panel together with glue following rows the same. Depending on the height and length of the wall the panels will repeat (see panels layout). At the top of the proposed wall the last row of the panels are to be closed on the top with a L shape bracket see the wall section detail. U shape, Z shape L shape brackets can be same length with the panel or same size with the Z bar tracks flange.

Panels installed over metal tracks are coated in compatible basecoat and fiber glass mesh. For glue-on installation panels don't need basecoat and mesh on the back, need drainage channels made in to the insulation. Basecoat, glue, fiber glass mesh and exterior finish are to be compatible with the EPS board. To reduce the thickness and increase the strength of the panel depending on requirements of R value and size of panels EPS type 3 may be an option.

18 gauge Z bars are installed at 16 to 24 inches horizontal or vertical depending on panels design

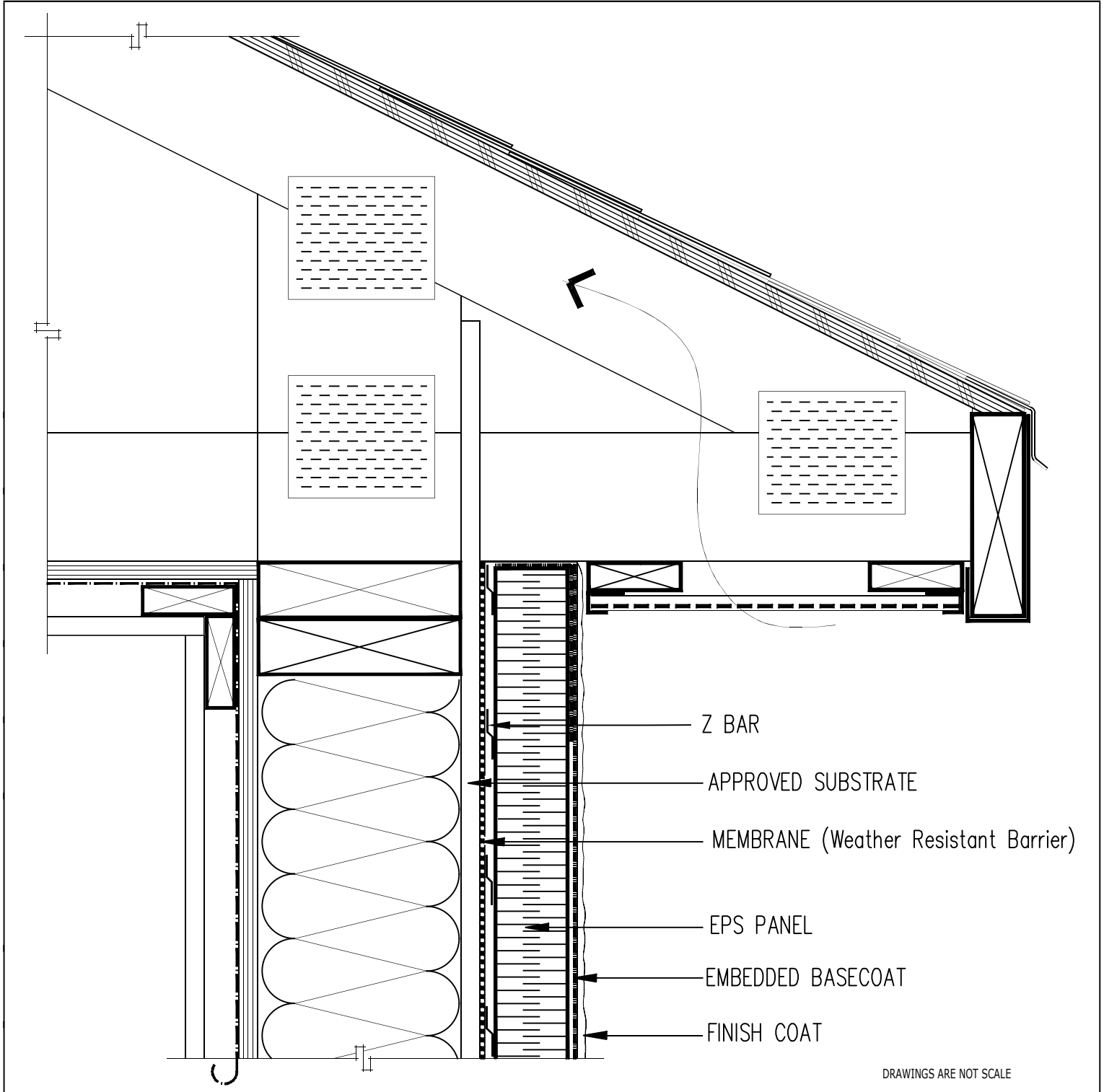
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Parapet



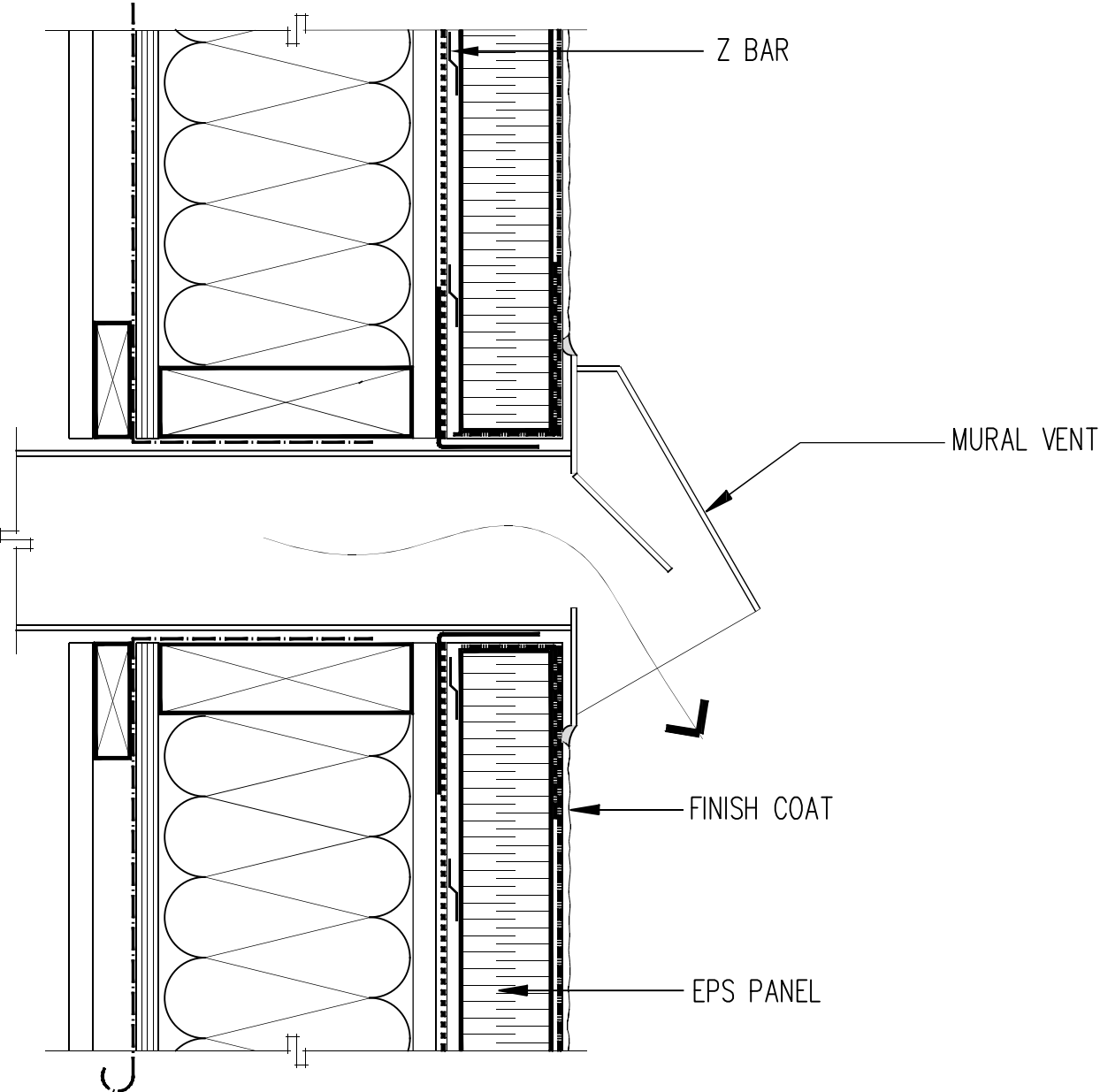
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Eave Soffit Junction



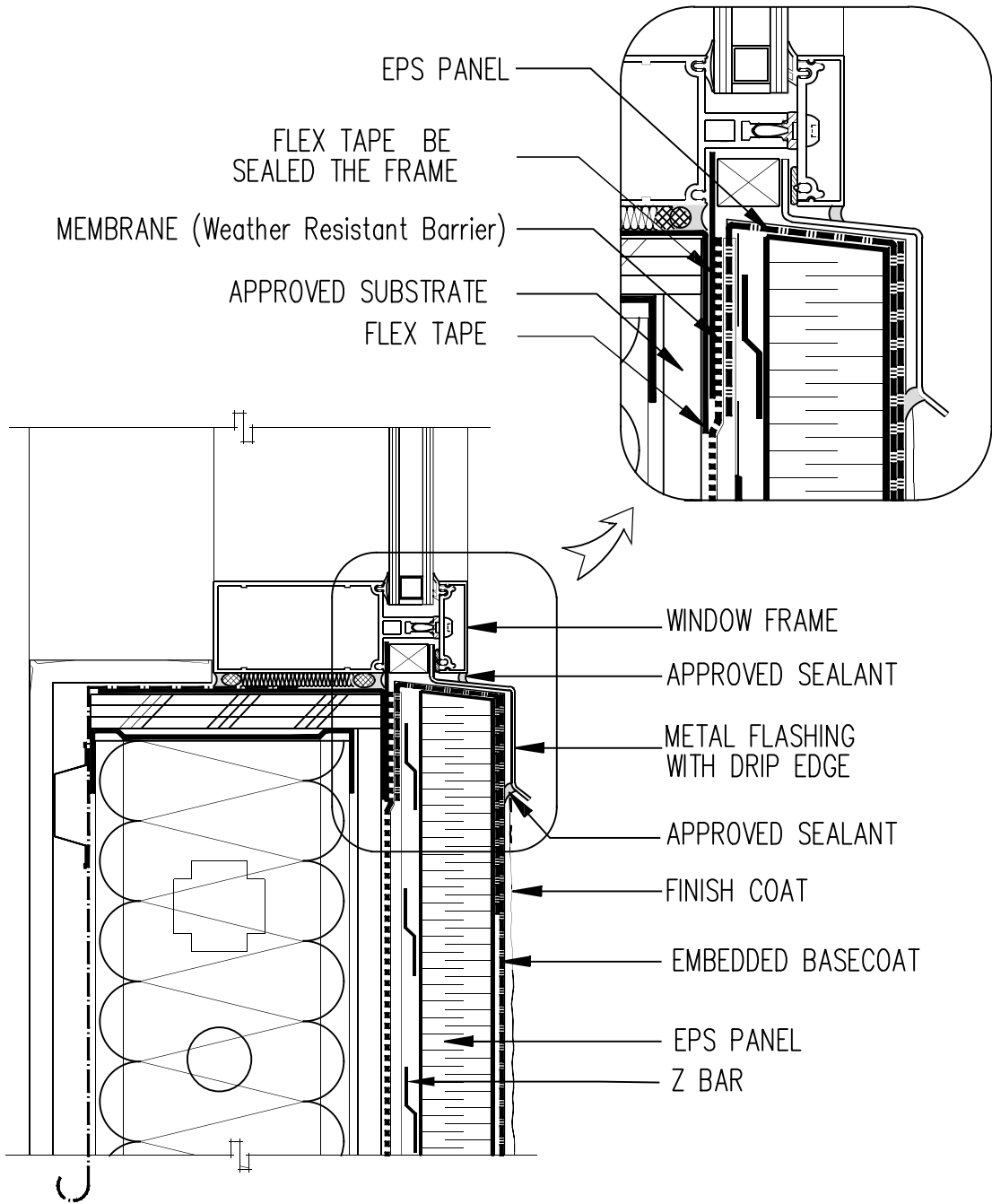
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Wall Penetrations



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Window Sill



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Window Head

