



Libra Systems

manufacturers of cold rolled sections

Wall Lining System

Wall Channel System (WCS), which consists of vertical channels fixed back to the structure creating a void which can be used to overcome surface irregularities and/ or to create a service void. The benefits of this system include increased acoustic or thermal performances, as well as the ability to create service voids of any size.

Installation - Wall Channel System (WCS)

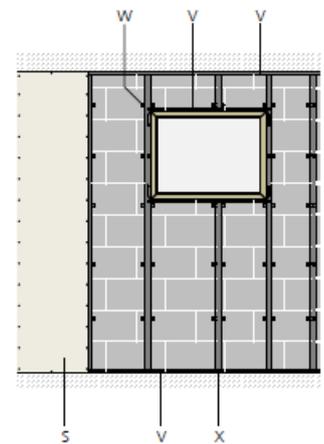
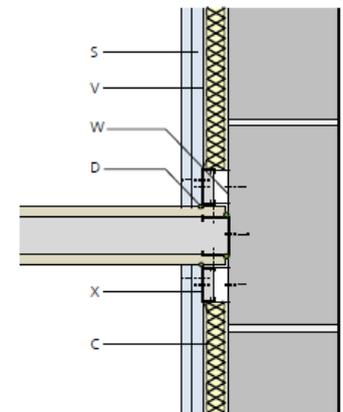
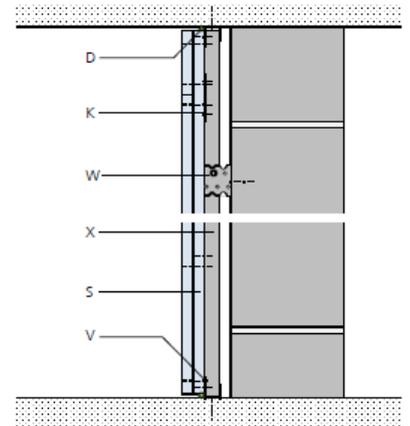
1. Install single rows of Libra FFR11 Track to the floor and soffit, fixed with suitable fasteners at maximum 600mm centres.
2. Set out and mark stud positions at maximum 600mm centres (reduce to 400mm in tiled areas), and install Libra WFB195 or WFB295 Brackets, spaced at maximum 800mm centres with suitable fasteners. Leave bracket legs flat until Libra FR10 Channels installed.
3. Install Libra FR10 Channels into head and base tracks, aligned with Libra WFB Brackets, and secure to each leg of the Libra WFB Brackets with 1 no wafer head drywall screw (any excess bracket leg can be folded back into the cavity). Where required Libra FR10 Channels can be extended with Libra FR12 Connectors.
4. Seal the entire perimeter of the frame on the room side with beads of acoustic / intumescent mastic.
5. Form window or service openings and frame out as required.
6. Install cavity insulation where required, either fixed at the head or friction fitted between studs as per manufacturers' recommendations.
7. Install plasterboard linings as per specification with suitable drywall screws at maximum 300mm centres.
8. Boards to be fixed to their entire perimeter.

Notes

Stagger all board joints by minimum 300mm and stagger board layers at corners to form Z-joints. Install additional framing such as Libra FP70 Flat Fixing Plate to support horizontal board joints. Ensure all service penetrations and any openings are suitably sealed to prevent hot gasses entering the lining cavity. All areas of the plasterboard linings to be minimum fire taped to maintain fire and acoustic performances (including above MF ceilings).

Install baffle boxes or suitable putty pads to sockets boxes etc, to maintain the fire and acoustic performances. Where plasterboards are lifted off the floor, ensure any gaps over 5mm are bulk filled with a gypsum based material.

All additional system components to be manufactured to the relevant BS EN standard.



- | | |
|---|---|
| C | APR or Frame Batt insulation fixed as per manufacturers recommendations |
| D | Mastic seals |
| S | Lining boards as per specification |
| U | Libra 25mm x 25mm angle |
| V | FF11 Track |
| W | WFB195 or WFB295 Brackets at maximum 800mm centres |
| X | FR10 Channels |