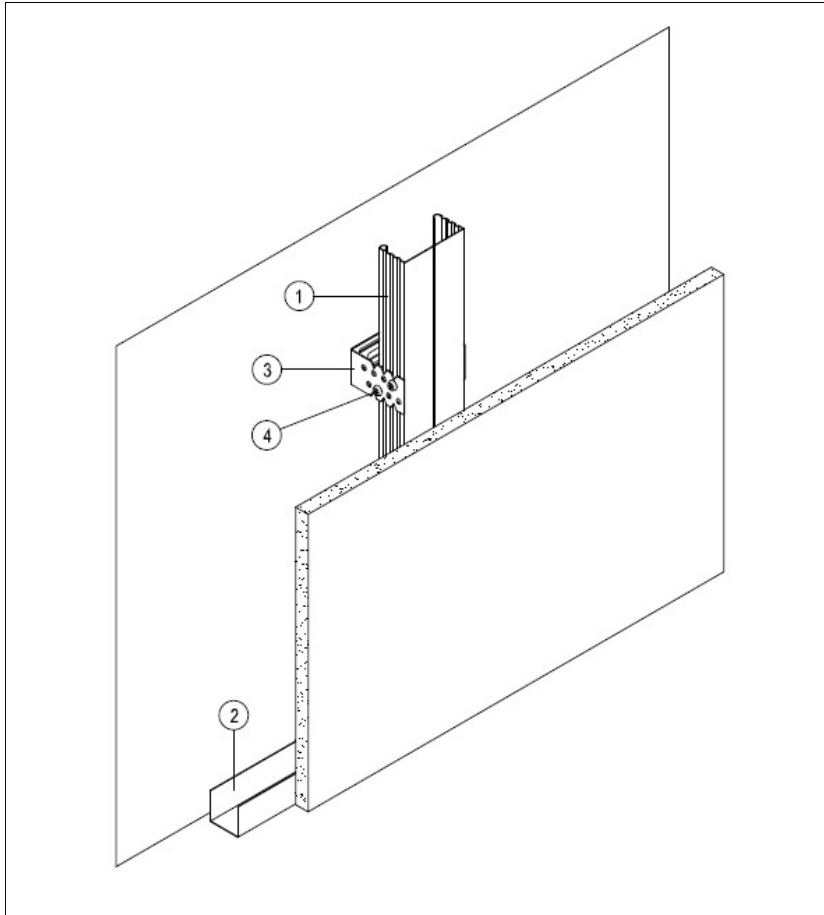

ESP ELS1 lining.

Wall Lining System



Application

Non loadbearing wall lining system suitable for residential, commercial, retail, hotel, education and leisure buildings.

Quick and easy dry build construction.

Near independent Drylining solution.

Cost effective solution to provide service void with minimum thickness.

Easy correction to poor quality and out of line background structure.

Overview:

The Depth of cavity can be from 20 – 165mm depending on the bracket (3) length used, Brackets are located onto the background wall at required centre distance. U channels (2) are fixed to floor and ceiling, ELS (1) studs are located inside the channels spanning floor to ceiling and screw (4) fixed to the brackets. Wallboards, standard, fire, sound or specialist boards (to suit the performance requirements) are screw fixed to the U tracks and studs and sealed and finished to suit.

Water and electrical supplies can be easily located within the void.

ESP ELS1 lining.

Installation:

Mark the required position of the frame work on both floor and ceiling. Apply sealant to underside of ELS8 tracks and mechanically fix at 600mm centres with suitable fixing. Fix ELS8 U Tracks also at abutment walls in the same way.

It is recommended that all services to be located in the void before fixing of the lining frame. Fire rated ceilings should be installed before the lining system.

ELS U mounting brackets are fixed flat with a suitable M6 fixing at required centres and heights in line with the required stud centres. The depth of void is determined by the length of bracket used, the stand-off to face of framework use ELS2 brackets 25 to 75mm, ELS9 brackets 25 to 125mm and ELS12 brackets 25 to 165mm. The brackets are positioned at maximum 800mm centres on every stud and maximum 200mm from floor and ceiling abutments. Centres can be reduced should additional rigidity or load capacity be required.

ELS1 studs are cut to length required, or extended using ELS3 connectors, and located between the head and floor tracks. Studs are located at maximum 600mm centre, the bracket legs are bent forward and locked to the side of the studs with 2 wafer head / pan head screws. The excess length of the bracket is bend back into the void to clear the stud face. Additional studs are positioned to form all corners and openings.

Insulation and cavity barriers can be installed as required by building regulations.

Fixing channel can be installed across the face of the framework to carry any light weight fittings.

Boards are screw fixed to the face of the studs and U tracks as per manufactures recommendations, but no greater than 200mm centres at perimeter studs or U Tracks.

Access panels can be located for easy access to services.