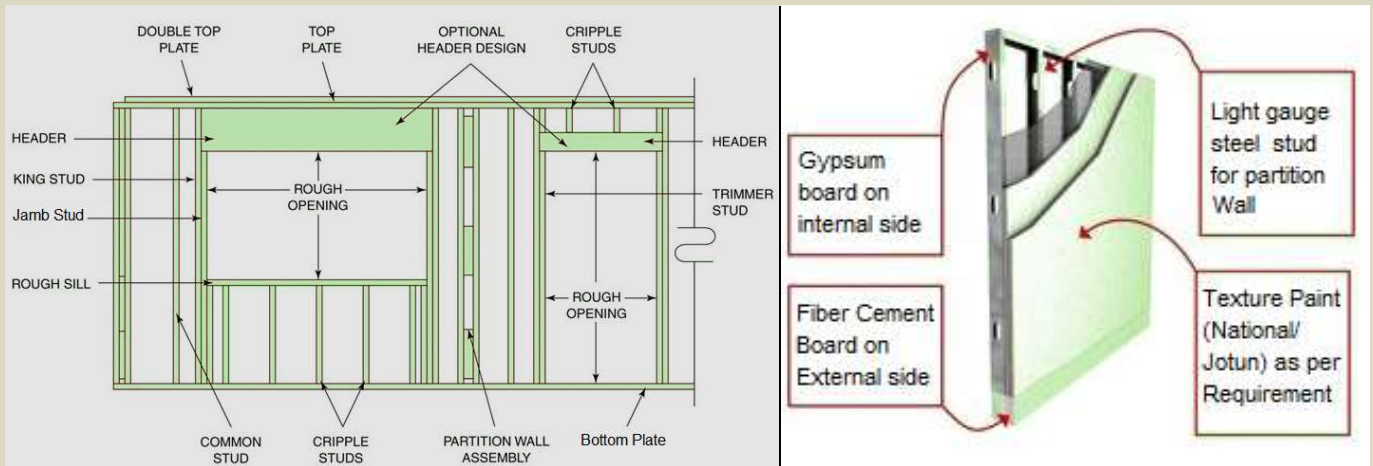


Light gauge steel External wall



External Wall Cladding/Sheathing	Internal Wall Cladding/Sheathing
12mm Fiber Cement Board (1600Kg/m ³)	12mm Gypsum Board (1600Kg/m ³)
12mm Gypsum Board (1600Kg/m ³)	12mm Gypsum Board (1600Kg/m ³)
150mm/100mm Glass wool (32Kg/m ³)	150mm/100mm Glass wool (32Kg/m ³)
Light gauge steel Stud	Light gauge steel Stud

Wall Stud Sections

Sr. No.	Section	Web Depth (mm)	Flange Width (mm)	Lip (mm)	Thickness (mm)	Steel Grade (Mpa)
1	75S50	75	50	15	0.95 to 2.0	275,350* & 550*
2	100S50	100	50	15	0.95 to 2.0	275,350* & 550*
3	150S50	150	50	15	0.95 to 2.0	275,350* & 550*
4	89S41	89	41	11	0.95 to 1.15	275,350* & 550*

BENEFITS OF DRYWALLS

1. Dry Construction: Consumes 95% less water than masonry construction: Drywalls can be built three to four times faster than conventional masonry (brick/block) walls. Masonry construction is not only laborious; it also needs a lot of water curing. Drywall, as the name implies, is a water-free process and hence can be put up much faster, which means your project/home is always delivered on time.

2. Speed of Installation: 3 to 4 times faster than masonry construction: Drywalls are easy to put up and need less labour. In masonry construction, the wall needs to be 'chased' after it has been constructed to provide for services like electrical wiring. Service management for a drywall, on the other hand, is a planned activity. Service slots are provided in the system, thus making the process easy and less time consuming.

3. Light Weight: 8 to 10 times lighter than masonry system: Drywalls are eight to ten times lighter than masonry walls, reducing the dead load of the structure. This assumes significance especially in high-rise structures, resulting in not only structural cost savings, but a reduction in the burden (both ease and cost) of moving up heavy material. Studies have shown that drywalls lead to structural cost savings of as much as 15%.

4. Flexibility: In creating and dividing spaces according to your needs: Drywalls are very flexible when it comes to creating and dividing spaces, allowing easy customization of interiors. Their versatility allows you to maximize the usable area within a given space.

5. Aesthetic Appeal: Seamless and crack free surfaces, allowing ease of decoration via paint, tiles or wallpaper. Drywalls provide a high level of finish as plasterboards have paper liners on the surface that are suitable for any decoration. As a result, you get smooth, crack-free and undulation-free walls.

6. Environment Friendly: Green Product which is recyclable and is made of environment friendly material. Drywalls are made of Magnesium/gypsum plasterboards, which are 100% recyclable and has low embodied energy. Drywalls are also water-free, thus saving precious natural resources.

7. Excellent Performance: In terms of fire protection and sound insulation
Acoustic comfort: Drywalls deliver high acoustic performance, capable of delivering sound insulation levels of 50dB to 70dB+. Drywall systems work on the principle of mass-spring-mass. Masonry walls work on the principle of mass; every 5-6dB increase in sound insulation requires doubling of mass. Thus it is difficult to deliver acoustic comfort without increasing the thickness of the walls and consuming precious floor area. **Fire safety:** Drywalls can be built to give fire resistance of up to four hours for stability, integrity and insulation. This means that if a fire breaks out, it will be contained to the compartmentalized area for four hours, giving occupants enough time to vacate the premises. Masonry walls are weak in insulation and integrity with the cracks forming early in the fire, leading to heat and smoke leakages. **Thermal comfort:** The thermal insulation provided by drywalls is five times better than brick or block walls because of their low thermal conductivity (K-Value). Low thermal conductivity and high thermal resistance means lower electrical consumption as it reduces the load on air-conditioning units.