



Light Gauge Steel Structures

Light Steel Structures Turn Into Art...



ADVANTAGES



Earthquake Resistance

Light Gauge Steel Buildings are the best solution for construction in earthquake areas due to their high resistance against earthquakes, steel buildings are 5 times lighter than reinforced concrete buildings and Steel absorbs most of the earthquake energy. Steel frame buildings have survived very severe earthquakes with very minor damages in comparison with buildings made of Concrete, steel frame buildings can be easily repaired within a short period of time without involving much money.



90 % Recyclable

Light Steel is one of the most sustainable construction materials. Its strength and durability with its ability to be recycled, again and again, without ever losing quality.



Competitive price

Light Gauge Steel provides high quality for reasonable prices and shorten the construction period to a great extent.



Fast Installation

Light Steel Structures can be built and manufactured very fast comparing to concrete structures. Which allows us to get work done sooner than concrete structures.



Architectural Flexibility

Light Steel Structure system enables architectural and design flexibility.



No Lightning Risks

The energy of the lightning is conducted straight to the ground and is not released destructively within the frame.



Less Material Waste

Light Steel Structures reduced the waste generated in constructions.

15.250 m²

HOSPITAL PROJECT 200 – BED

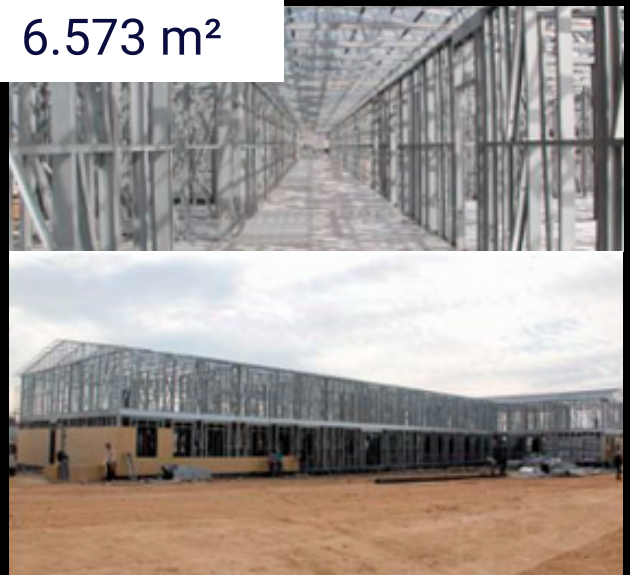
The hospital project, which has construction area of 15,250 square meters, has been delivered within 5 months as shell and core construction.

REFUGEE CAMP SOCIAL FACILITY BUILDINGS

Designed to meet urgent humanitarian needs, our light steel rest facility provides a resilient and dignified space for individuals in crisis environments. Engineered for rapid deployment, this structure ensures safe, functional, and comfortable areas within refugee camps.

Featuring designated zones for men, women, and children, along with flexible spaces for recreation, rest, and social interaction, the facility supports both physical comfort and psychological well-being.

With its modular design, eco-friendly materials, and portability, this solution reflects a modern approach to emergency architecture – blending speed, durability, and human-centered design.

6.573 m²3.000 m²

Two-Story Educational Building

Our 3,000 m², two-story light steel educational building project is designed to meet modern educational needs. This educational building, notable for its spacious interiors and functional layouts, offers students and educators a comfortable learning and working environment. The durability and flexibility of light steel ensure the structure's longevity and durability, while its environmentally friendly design makes it an environmentally conscious choice.







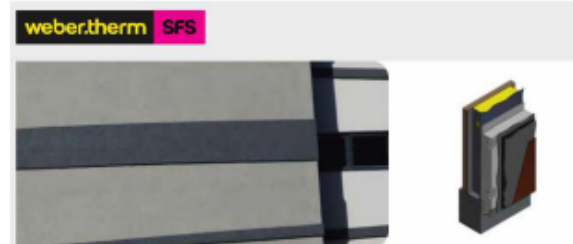








ETICS PRODUCT INFORMATION



The system is designed by Weber in conjunction with Specifiers on a project specific basis. The installation of the system is carried out by installers who have been trained and accredited by Weber. Weber offers a ten-year materials guarantee, subject to certain terms and conditions. The Contractor offers a workmanship guarantee in accordance with the NHBRC. All system components shall be supplied by Weber unless specifically otherwise agreed.

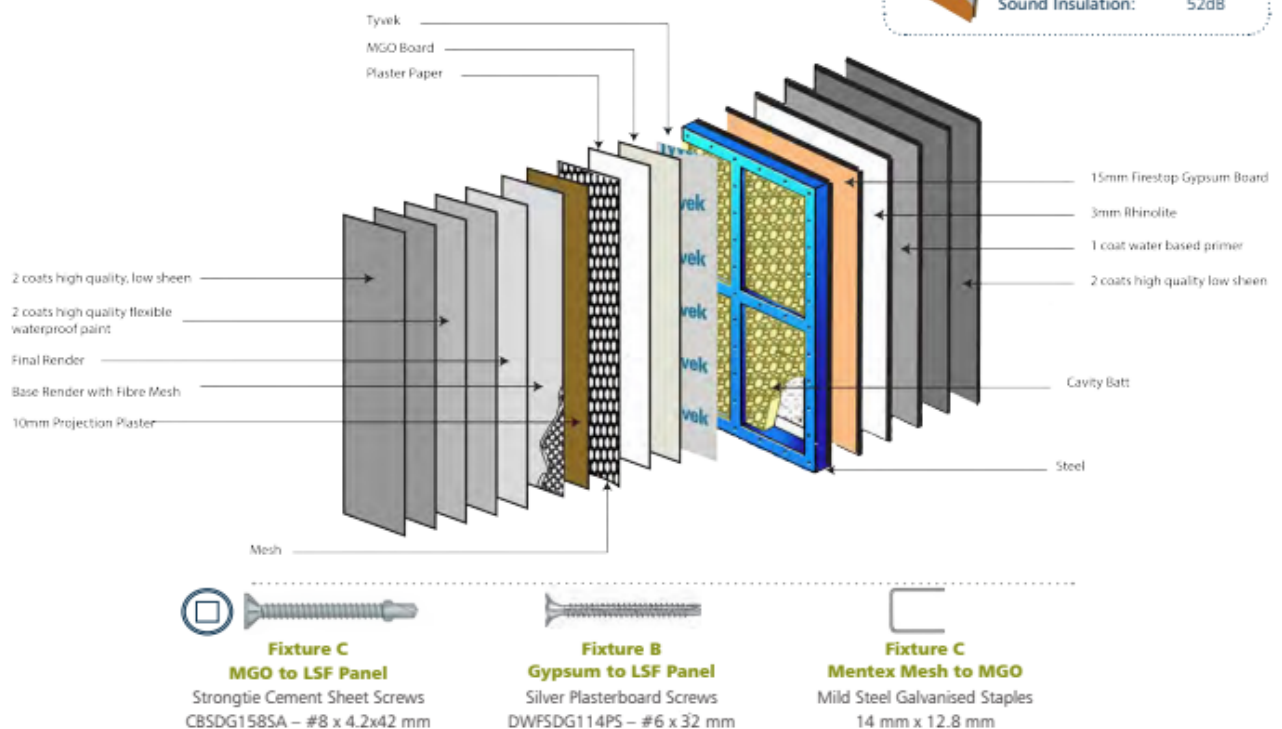
USE:

The systems are for use as external insulation on commercial and residential buildings, which are designed in accordance with the general building regulations.

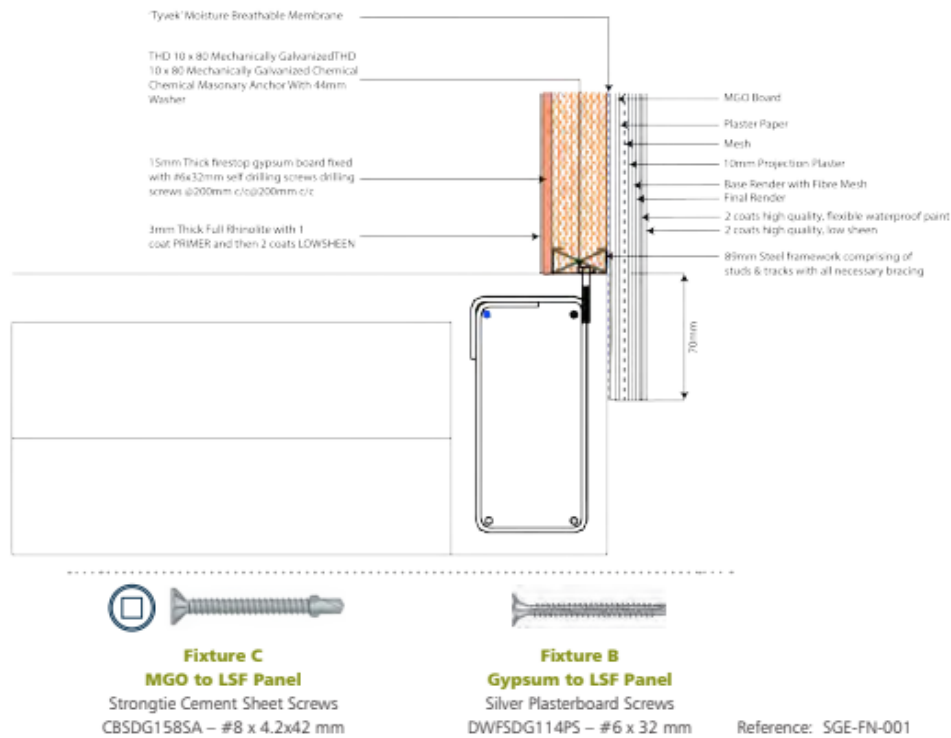
GENERAL MANUFACTURE, SUPPLY AND INSTALLATION:

Weber is responsible for the specification of all systems components to Weber approved specs. Where products are manufactured by Weber, these components will be specified and used. Where components are outsourced – these will be in accordance with the Weber approved 'supplier' system. Weber accredited contractors are responsible for the installation of the specified systems, in accordance with Weber project specific 'Site Project Pack' including the Applications Guide.

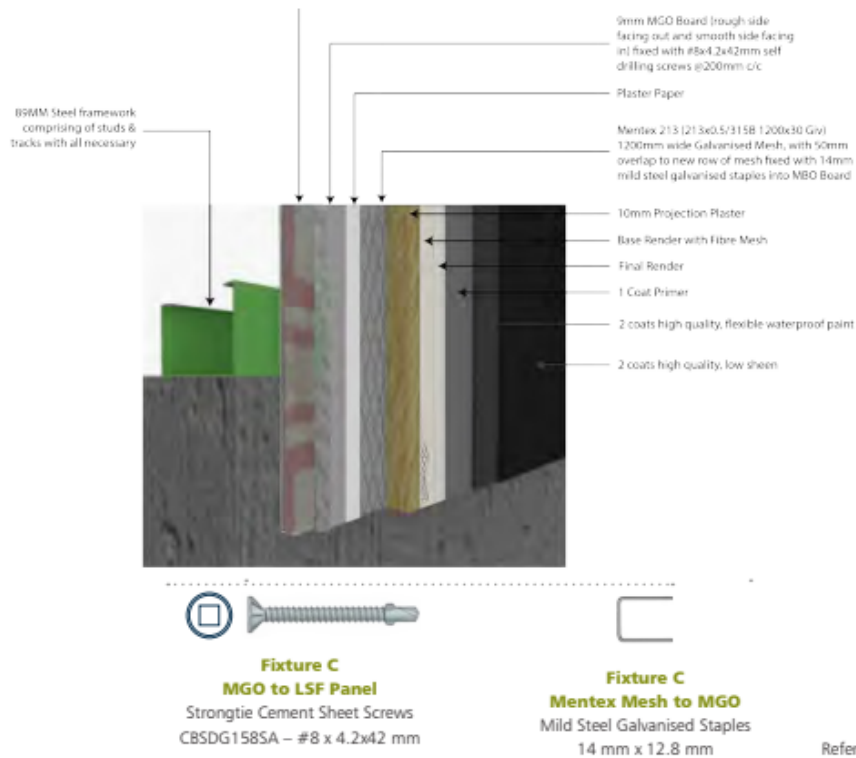
STANDARD EXTERNAL WALL PLASTER WALL CONSTRUCTION DETAILS



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ONE HOUR FIRE RATING WALL TECHNICAL SPECIFICATIONS

60 MINUTE FIRE RATED INTERNAL PARTITION SYSTEM:

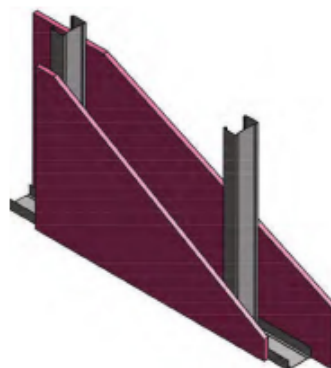
- Non-Load Bearing Drywall System
- 15 mm Technical Fire Check Plasterboard – One Layer Each Side

APPLICATION:

Commercial & Residential

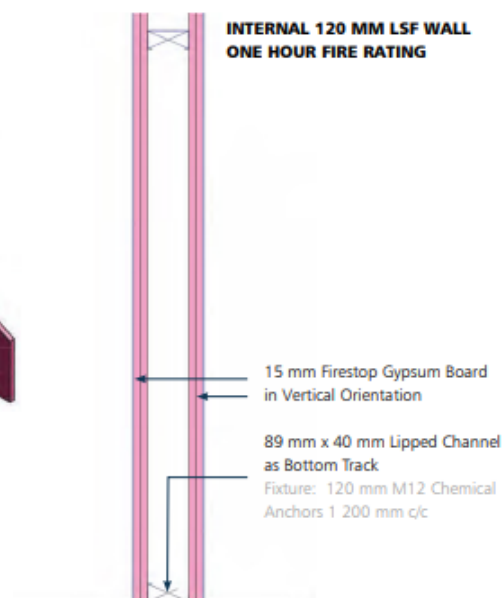
MATERIAL USED:

A: 89 mm LSF Steel Stud
B: 89 mm LSF Steel Track
C: 15mm Fire Check Plaster Board
32 mm Drywall Screws
Drywall Jointing System
Floor & Ceiling Finishes as per Specification



APPLICATION DETAILS:

1. Set steel studs spaced at 600 mm centre to centre (c/c) into steel track at floor & ceiling.
2. Apply a single layer of 15 mm Technical Fire Check plasterboard vertical to both sides, using 32 mm drywall screws spaced at 200 mm c/c, stagger joints. Taper edge plasterboard to each side using 32 mm drywall screws spaced at 220 mm c/c.
3. Apply tape & joint according to specification.
4. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
5. Stagger the plasterboard joints in the system.



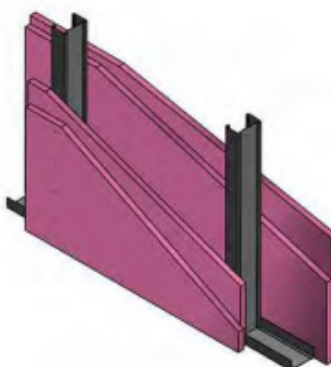
TWO HOUR FIRE RATING WALL TECHNICAL SPECIFICATIONS

120 MINUTE FIRE RATED INTERNAL PARTITION SYSTEM:

- Non-Load Bearing Drywall System
- 15 mm Technical Fire Check Plasterboard – Double Layer Each Side

MATERIAL USED:

A: 89 mm LSF Steel Stud
B: 89 mm LSF Steel Track
C: 15mm Fire Check Plaster Board
32 mm & 42 mm Drywall Screws
Drywall Jointing System
Floor & Ceiling Finishes as per Specification



APPLICATION DETAILS:

1. Set steel studs spaced at 600 mm centre to centre (c/c) into steel track at floor & ceiling.
2. Apply a single layer of 15 mm Technical Fire Check plasterboard vertical to both sides, using 32 mm drywall screws spaced at 200 mm c/c, stagger joints.
3. Apply a face layer of 15 mm Technical Fire Check plasterboard horizontal to both sides, using 42 mm drywall screws spaced at 200 mm c/c, stagger joints.
4. Apply tape & joint according to specification.
5. Acoustic performance requires sealing between track, floor, ceiling and any other abutment joints.
6. Stagger the plasterboard joints in the system.
7. Maximum partition height is 4.5 m.

