

LIGHT GAUGE STEEL CONSTRUCTION

BRINGING REVOLUTION TO BUILDING CONSTRUCTION



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INTRODUCTION

PAKISTAN INSULATIONS PVT LTD entered the field of light gauge steel in 2011 becoming part of an ongoing revolution in the field of construction the world over.

Offering improved quality, speed of construction, design flexibility and environmental performance, the LGS offers financially attractive alternative to slower, resource -heavy traditional brick and mortar construction.

The trend of using 3D and bim design collaboration plus high precision industrial manufacturing processes results in both high quality accurate building structures as well as the ability to bring in sub assemblies (doors, windows, bathroom, kitchens) which can be designed in the frame to fit precisely.



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VERSATILITY OF DESIGN



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The strength and ductility of LGS makes it an ideal building material for all building types- from modular and pre-fabricated units, to multi-story hotels, hospitals, schools as well as stand-alone multi-story housing.

With one of the highest strength-to-weight ratio of all construction materials, LGS delivers excellent spanning capability and makes CFS perfect for creating wide, open spaces. Steel framing allows for narrower walls than typically achieved with traditional materials, offering more internal space for the same total footprint, which is highly advantageous for addressing urban density demands.



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Vision

At Pakistan Insulations, we believe in setting and exceeding expectations of service with zero compromise on quality, craftsmanship and penchant for detail. Client satisfaction is the cornerstone of each action we take.

Mission

To strengthen and improve Pakistan's infrastructure by providing innovative, energy-saving solutions and also becoming a global entity by sharing our expertise overseas via exports.



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LIGHT WEIGHT PARTITIONS:

Pakistan Insulations (Pvt.) Ltd offers a wide range of non-load bearing lightweight partition systems. These partition systems can be implemented in the design of many types of buildings including residential housing, flats and apartments, residential and commercial properties.

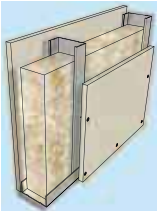


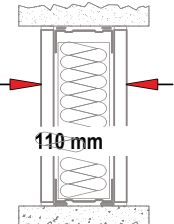
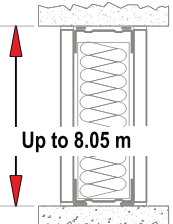
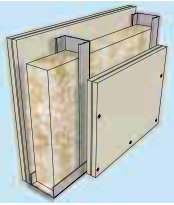


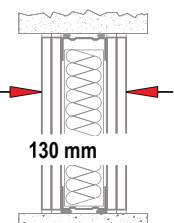
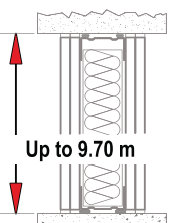
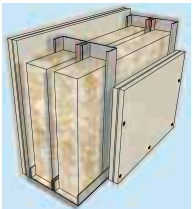


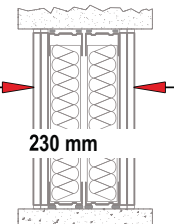
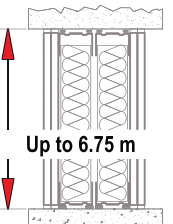
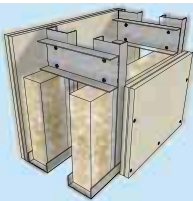


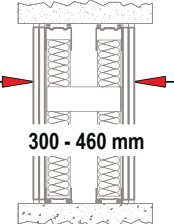
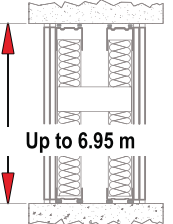
SYSTEM DESIGNED TO MEET BUILDING REQUIREMENTS:

- Fire Protection
- Heavy Duty Walls
- Sound Insulation
- High Partitions
- Moisture Resistance
- Aesthetics

These systems are composed of Fiber cement boards/Gypsum boards and metal framing, Joint compounds and other materials such as joint tapes, seal ants, screws and insulation. System performance is achieved on following the correct installation details such as stud spacing and fixing centers, as well as using the nominated components such as Fiber Cement boards/Gypsum boards, compounds, studs and insulation.

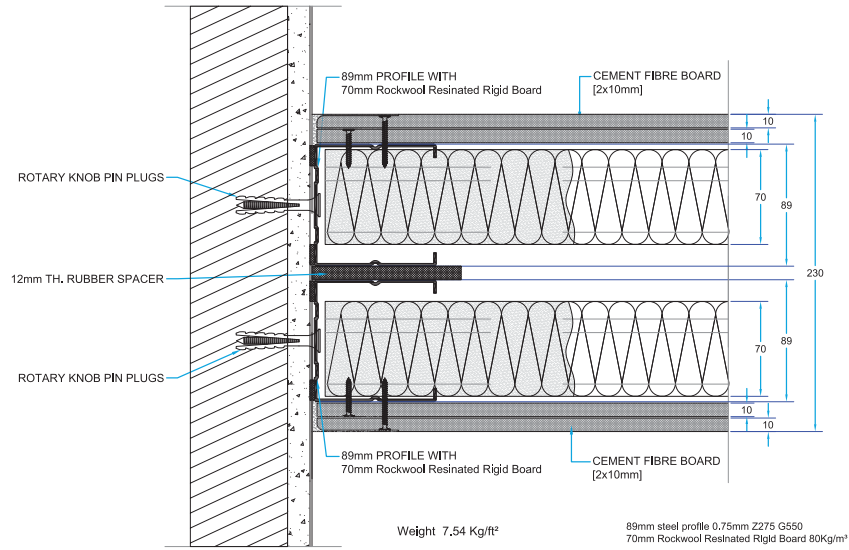
Movenpick

Hilton

Systems	Performance	Fire resistance	Sound Reduction (RW)	Partition Width	Height
Type C 	<ul style="list-style-type: none"> Economical solution Fast space division 	 Up to 30 min.	 40 - 51 dB	 110 mm	 Up to 8.05 m
Type B 	<ul style="list-style-type: none"> Optimum solution Meets most design criteria Small footprint High fire resistance 	 Up to 60 min.	 50 - 56 dB	 130 mm	 Up to 9.70 m
Type A 	<ul style="list-style-type: none"> High acoustic performances High fire resistance Optimum for separation walls 	 Up to 120 min.	 58 - 63 dB	 230 mm	 Up to 6.75 m
Type A-1 	<ul style="list-style-type: none"> Very good acoustic performance Accommodates large service runs High fire resistance Adjustable footprint 	 Up to 120 min.	 56 dB	 300 - 460 mm	 Up to 6.95 m

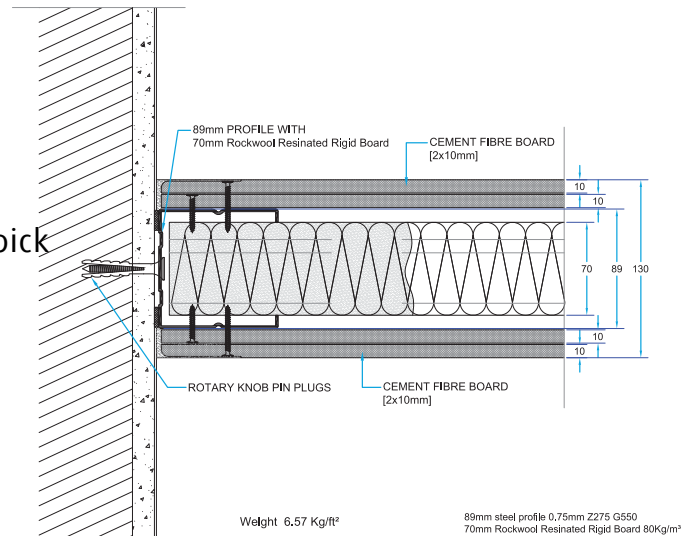
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TYPE A DOUBLE WALL SYSTEM (230MM) WITH 120 MINUTES FIRE RATING

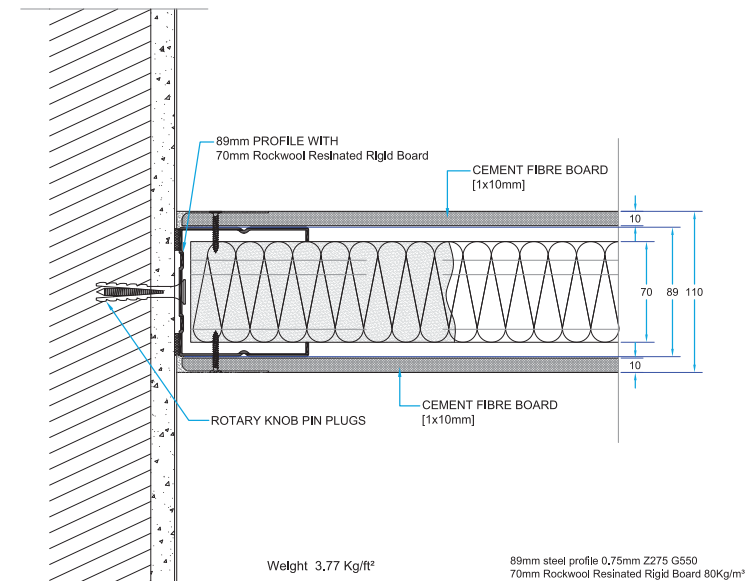


TYPE B SINGLE WALL SYSTEM (130MM) WITH 60 MINUTES FIRE RATING

Movenpick



TYPE C SINGLE WALL SYSTEM (110MM) WITH 30 MINUTES FIRE RATING



CNBO
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STRUCTURAL ENGINEERING SERVICE:

Our dedicated team of professional structural engineers, framing designers and technologists bring the experience, and the specialize skills required to engage in any type of structural and Non-structural projects using LSF product according to local building codes and requirements.

MANUFACTURING SERVICES:

A state-of-the-art and lean industrial operation located in Abu Dhabi with advanced material handling, cold roll forming, automated framing and sheathing assembly equipment produces on-demand accurate and consistent LSF joist, wall, truss and floor systems in a 100% quality controlled environment.



LOGISTICS SERVICES:

A live (web-based) and just-in-time management of product inventories on-site and off-site gives instantaneous access to status of any roof, floor, and wall systems pre-fabricated and pre-bundled in sequence for installation of a specific project.

INSTALLATION SERVICES:

Experienced and efficient site crews, supervisors and professional engineers are committed and available to ensure the structure gets erected and inspected on-time and with the highest quality standards.

PROJECT MANAGEMENT SERVICES:

Dedicated resources to each project manage continuously all the services described above to ensure all the customer deliverables are met within the agreed budget at all times. Our professional project managers are the focal points from the onset of any project including the contractual phase so communication is transparent and effective during the complete project.



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Agha Khan gilgit Project





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SPEED OF CONSTRUCTION

LGS construction is faster than traditional methods to manufacture and construct buildings.

The speed is achieved in all the phases of construction.



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