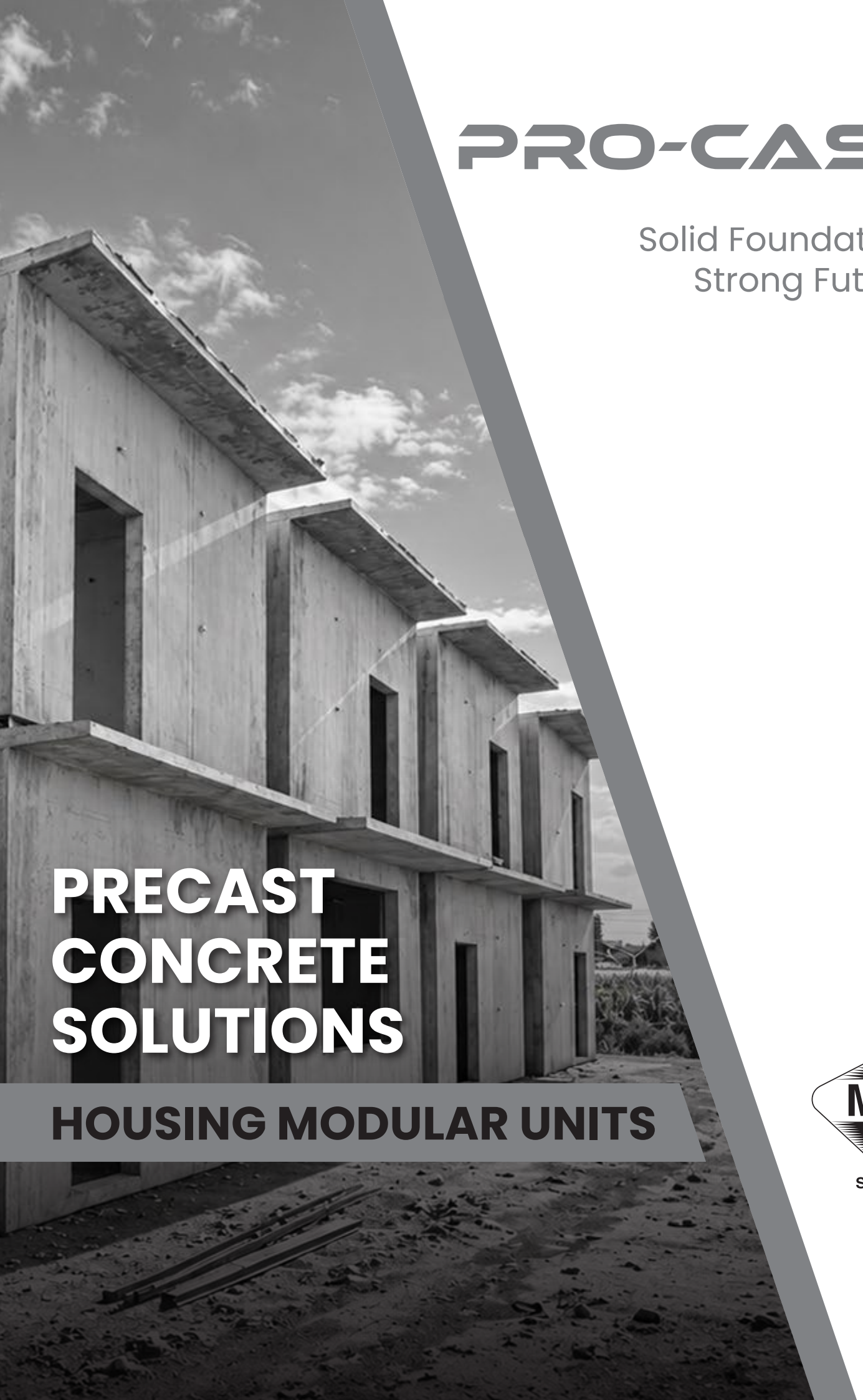


PRO-CAST

Solid Foundations,
Strong Futures.

PRECAST CONCRETE SOLUTIONS

HOUSING MODULAR UNITS

MS
SIRIM



INTRODUCTION

Concrete modular housing, or precast concrete housing, is a modern construction method known for energy efficiency, low costs, and fast assembly. Using reinforced concrete, prefabricated modules are produced in factories and then transported to the site for quick assembly, with the capacity to build up to 500 square meters daily. This technique allows for high precision and industrial-scale production.

These houses offer durability with earthquake, wind, moisture, and fire resistance, along with sound and heat insulation. They are adaptable to various styles and used in residential and public buildings like homes, offices, dormitories, and shops.

CONCRETE MODULAR HOUSE FEATURES

LOW CONSTRUCTION COST

Construction cost is only half that of traditional brick and concrete houses.

FAST CONSTRUCTION SPEED

Prefabrication allows for 500 square meters to be built per day, greatly increasing speed.

EARTHQUAKE RESISTANCE

Can withstand a magnitude 9 earthquake and won't fully collapse due to partial damage, thanks to independent load-bearing structures.

FIRE RESISTANCE

Reinforced concrete walls offer long fire resistance.

SOUNDPROOFING

Wall insulation can block sound levels above 65dB.

HEAT INSULATION

Solid reinforced concrete walls provide strong heat insulation.

ENERGY SAVING & ECO-FRIENDLY

Achieves zero construction waste and noise pollution, with components that can be removed and reused after demolition.

TYPE & SIZES

Type and Sizes:

W (m)	Length (m)	t1 (mm)	Height (m)
3.3m	6m	150mm	3m

DISPLAY OF FINISHED MODULAR HOUSES







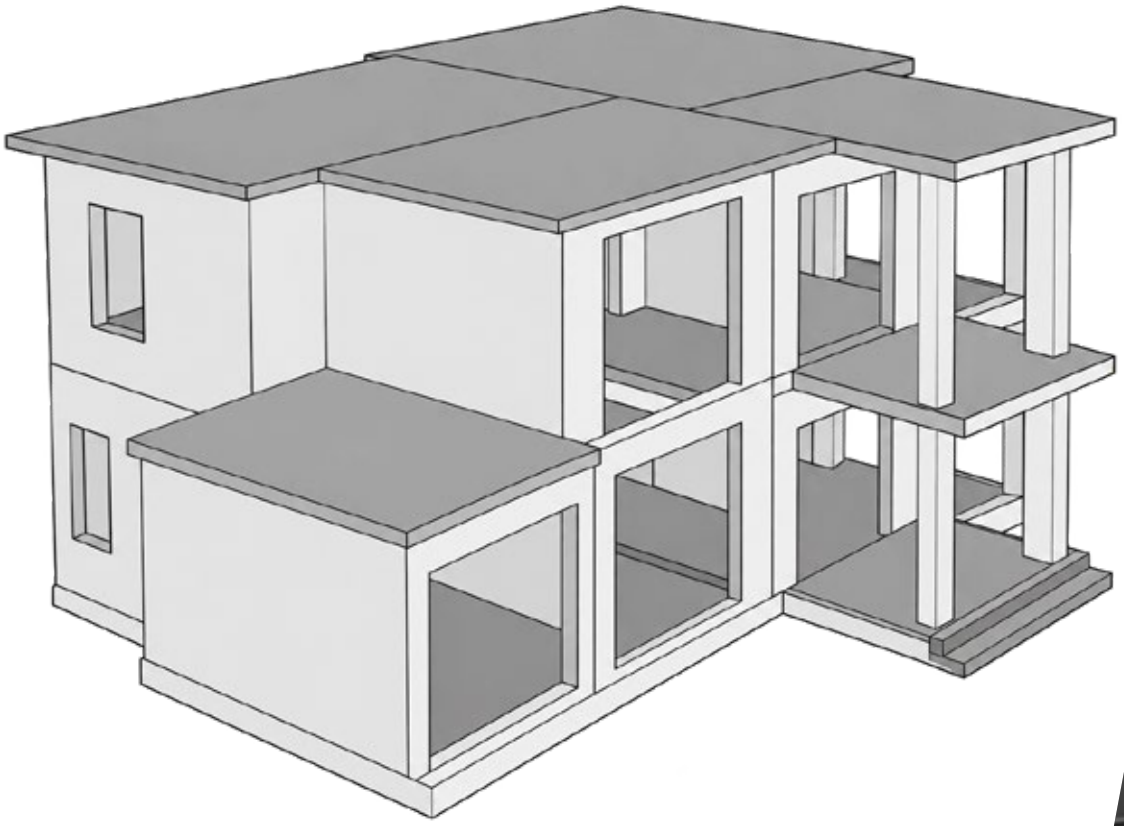


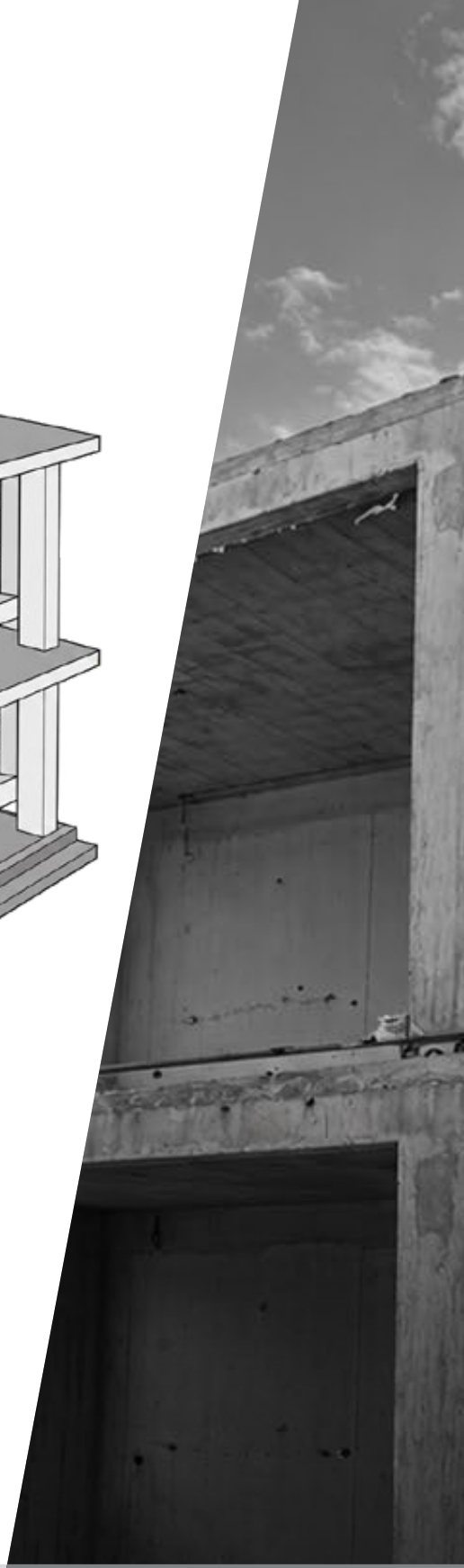




DETAIL

PLAN VIEW





PRO-CAST

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