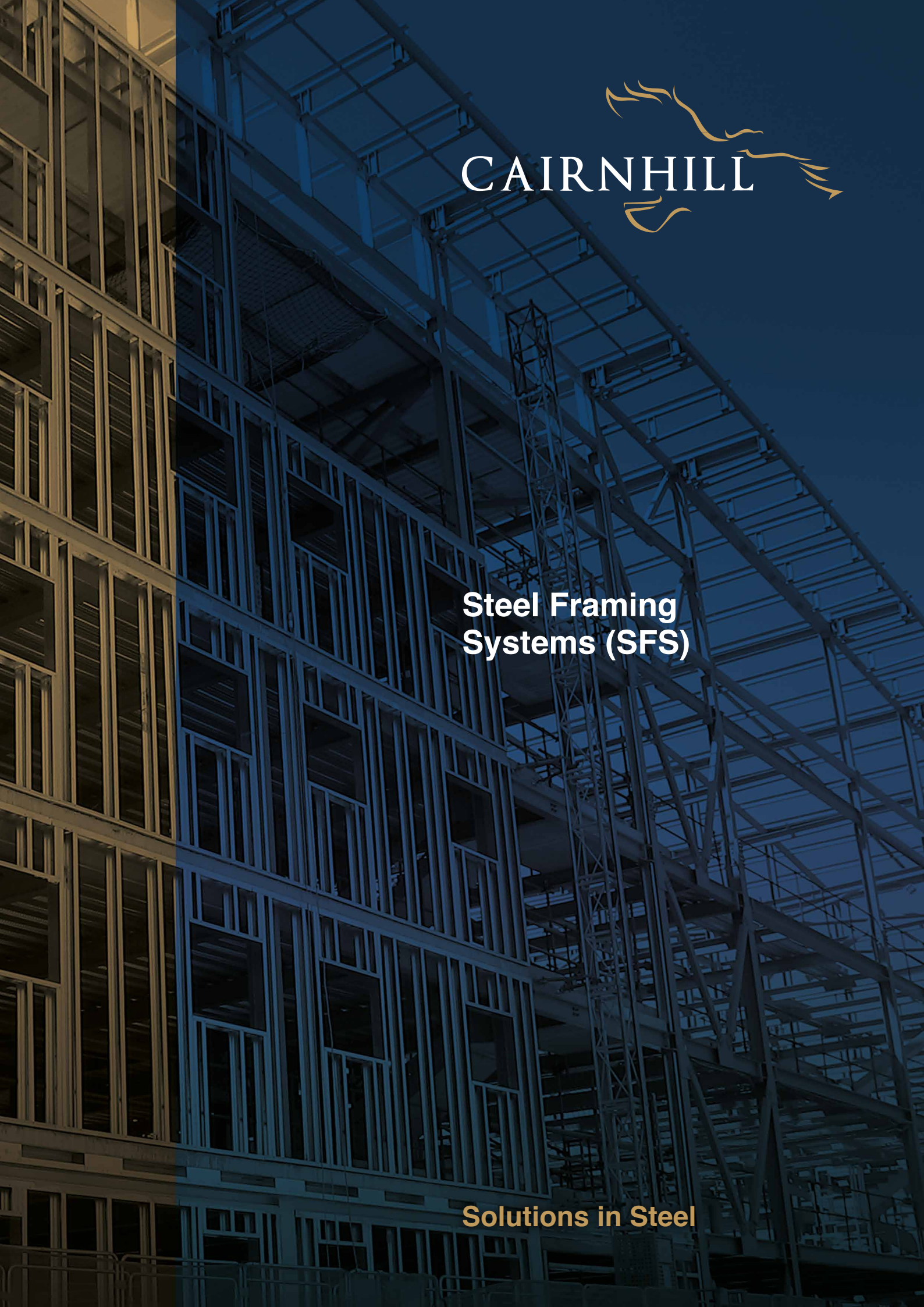

CAIRNHILL

Steel Framing Systems (SFS)

Solutions in Steel

Infill SFS

Infill SFS is normally fitted at the slab edge spanning vertically between the hot rolled steel frame or concrete frame of the primary structure. This enables the external wall make up to be installed continuously outside the main structural frame. Deflection is accommodated at each stud position using deflection brackets or slotted head tracks.

Oversail SFS

Oversail SFS is fitted outside the line of the primary structural frame utilising restraint cleats tied back to the structure at each floor level. The restraint cleats are fixed back to the primary structure at each stud position and slab deflection is accommodated using slotted restraint cleats.

Completed Contracts Include	SFS Project Value
GRAHAM Construction, City College, Norwich	£260,000
Bowmer & Kirkland, Trinity Square, Gateshead	£750,000
Sir Robert McAlpine, Science Central, Newcastle	£150,000
Interserve – Advocates Close, Edinburgh	£500,000
Morgan Sindall, Eastwood Health Centre, Glasgow	£305,000
Morrison Construction, Lyell Centre, Edinburgh	£240,000
Bowmer & Kirkland, Holiday InnExpress, Middlesbrough	£215,000
GRAHAM Construction, NHSL Health Centres, Lanarkshire	£690,000
Sir Robert McAlpine, Devere Hotel, Aberdeen	£165,000
GRAHAM Construction, Lothian Bundle, Edinburgh	£826,000

Case Studies



Bath Street, Glasgow – Student Accommodation

Main Contractor – GRAHAM Construction

Architect – Church Lukas

Project Value – £21 million

SFS Project Value – £210,000

Scope – 2400m² of Infill SFS system

Design, supply, delivery and installation of 100mm Infill SFS system from mast climbers, including sheathing board, rigid insulation behind brickworks areas and associated brick tie channels.



West Dunbartonshire Council, Dunbarton – New Offices

Main Contractor – Lendlease Construction

Architect – Keppie Design

Project Value – £17 million

SFS Project Value – £275,000

Scope – 2100m² comprising Infill SFS system, soffits and additional framing system to suit glazed screens

The design, supply, delivery and installation of the 150mm Infill SFS system utilising studs at reduced centres and multiple gauges to suit large structural openings and a site location with a high wind load.



Urban Science Building, Newcastle – Newcastle University

Main Contractor – Bowmer & Kirkland

Architect – Ryder Architecture

Project Value – £58 million

SFS Project Value – £380,000

Scope – 5900m² comprising both Infill and Oversail SFS systems

The design, supply, delivery and installation from mast climbers and mobile elevated platforms, SFS system comprising multiple stud sizes and gauges to suit the different wall make ups and the complexities associated with large structural openings.



Dumfries & Galloway Acute Services Redevelopment, Dumfries – New Hospital

Main Contractor – Laing O'Rourke

Architect – Ryder Architecture

Project Value – £270 million

SFS Project Value – £500,000

Scope – 7000m² of Infill SFS system

We were initially approached by Laing O'Rourke to provide a technical review of the SFS scope to make sure that the primary structure provided adequate support for the SFS. Following this we were appointed to provide the full SFS package comprising design, supply, delivery and installation of the SFS system including cement particle sheathing board, Vapour control layer, window support plates and slab edge fire barriers.

Cairnhill Sun Works factory

120,000 square foot facility with crane capacity of 100 tonnes

Cairnhill operate within a number of market sectors

Storage tanks & Petrochemical

Oil & Gas

Nuclear & Power

Rail

Steel Framing

Bridges

Transmission & Distribution

Subsea

Pilling

Renewables

Cairnhill Structures Limited
Sun Works, Waverley Street, Coatbridge ML5 2BE
T +44 (0)1236 449 393 **F** +44 (0)1236 449 334
www.cairnhillstructures.co.uk

Cairnhill are CE Marked to BS EN 1090-2 up to Execution Class 4. The Highest Class Achievable.
Cairnhill are also certified to BS EN ISO 3834. Continual Investment in Quality Requirements for Welding.