

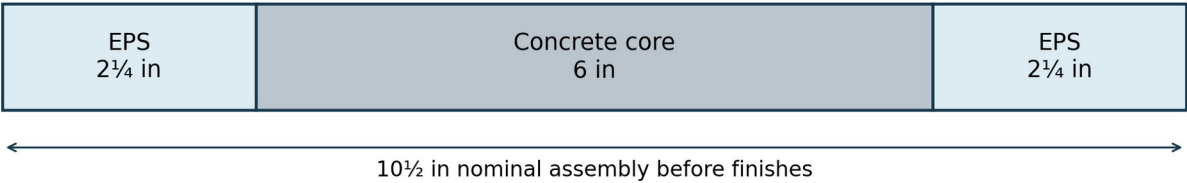
Stelcor ICF technical coordination pack

For architects, engineers and contractors evaluating a Stelcor ICF wall package. Use for design coordination and preliminary estimating. Not issued for construction.

Use this pack to establish product geometry, coordinate the interfaces and request a project-specific takeoff. The product dimensions below are transcribed from Stelcor ICF brochure v8. Reinforcement, loading, connections and construction details require the project design team's confirmation.

Standard wall assembly

Item	Published nominal dimension or configuration
Block face	48 × 12 in (1219.2 × 304.8 mm)
Wall coverage	4 ft² per complete block, before openings and waste
EPS panel thickness	2¼ in (57.15 mm) on each face
Concrete core	6 in (152.4 mm) standard assembly
Wall thickness before finishes	10½ in (266.7 mm)
Tie layout	Four ties per block per course; 12 in centres; additional ties at butt joints and corners
Tie and connector geometry	9½ in tie span; two connectors per tie at 4 in centres
Finish attachment reference	5 in flange; ½ in below the EPS face; verify fasteners and loads for the chosen finish



Schematic thickness stack only. Ties, reinforcement, membranes and finishes are omitted. Dimensions are not fabrication tolerances or a project structural design.

Structural interfaces and design responsibilities

The EPS panels form and insulate the wall. The reinforced concrete core provides the structural wall when designed for that role. Whether the wall carries a floor or roof is a project-specific engineering decision.

Details to resolve on the drawings

- Foundation to wall: wall position, reinforcement continuity, anchorage, moisture protection, base level and the specified termite strategy.
- Corners and intersections: tie arrangement, reinforcement continuity and the opening or junction details needed for construction.
- Windows and doors: opening dimensions, bucks, lintels, anchorage, waterproofing and finish returns.
- Floor or roof to wall: support reactions, bearing length, bearing location, concrete support zone, anchorage and reinforcement continuity. The design must identify the structural support; EPS must not be assumed to provide it.
- Services: coordinate sleeves and penetrations with reinforcement and opening details before the concrete is placed.

T beam and EPS bovedilla coordination

Where the project uses inverted T-beams and EPS bovedilla, obtain the selected beam profile and the matching infill dimensions before finalising wall levels and finishes. An 8-inch designation alone does not define the flange width, web width, total floor depth or bearing detail.

The floor supplier and project engineer must confirm span, loading, beam spacing, topping, reinforcement, construction-stage propping and bearing requirements. Published brochure span examples are not project span approvals.

Party	Proposed responsibility to confirm
Stelcor	Supply current product data, preliminary material quantities, quoted supply scope and product guidance.
Project engineer	Design the structural wall and complete load path; specify concrete, reinforcement, connections and temporary works within the agreed appointment.
Architect and services designers	Coordinate wall setout, openings, finishes, weatherproofing and service routes.
Contractor and floor supplier	Confirm installation method, handling, access, sequencing, supervision, floor data and construction-stage support requirements.

Finishes installation and ordering

Interior and exterior finishes

Specify the complete finish build-up on each face. For mechanically fixed linings, confirm the approved fixing location, fastener, spacing and load with the system suppliers. For rendered finishes, confirm substrate preparation, compatible basecoat, reinforcement mesh, fixings where required, thickness, movement details and waterproofing.

Confirm the required finish thickness and reinforcement for each face. Exterior mesh does not establish the interior finish. Obtain a written system detail for each face before pricing and installation.

Sequence for project coordination

- Confirm the current drawings, dimensions, product configuration and engineering details.
- Plan material delivery, handling, storage and access with the contractor.
- Assemble the forms and install the specified reinforcement, bracing, openings and service penetrations.
- Complete the agreed inspection before pouring. Use the approved concrete specification and placement method.
- Inspect the concrete work and prepare the specified finish system. Follow product guidance and project inspection requirements.

This sequence is an overview. Pour rate, lift height, concrete mix, consolidation and bracing must come from the approved installation method and engineering requirements; no generic values are prescribed here.

Information for a material estimate

- Project location and access, building use, number of storeys, construction stage and target start date.
- Dimensioned plans, elevations, sections and opening schedules with revision dates.
- ICF wall extents, heights, corners, intersections, core configuration and floor or roof interfaces.
- Finish scope, accessories, supply responsibilities and requested delivery stages.

From preliminary takeoff to order

The takeoff should identify net wall area, complete forms, the tie allowance, corner and junction accessories, cuts and waste, and the drawing revision used. Confirm component names and quantities with Stelcor before ordering.

Before an order, agree the final quantities, unit prices, currency, GST treatment, freight, unloading, lead time, payment terms and quotation validity. Treat material estimates separately from labour, concrete, reinforcement, finishes and other project costs unless expressly included.

Product reference

Dimensions: Stelcor ICF brochure v8, section 04. View the product brochure

Send your drawings: admin@stelcorsolutions.com | +501 632 5709