

# Precast S-Fence System

PRE-STRESSED STEEL FAST & EASY TO INSTALL REUSABLE/EASY RELOCATION

Our **PRECAST FENCE** system is a pre-stressed wall system with a smooth and high quality architectural finish which allows contractors and developers to:

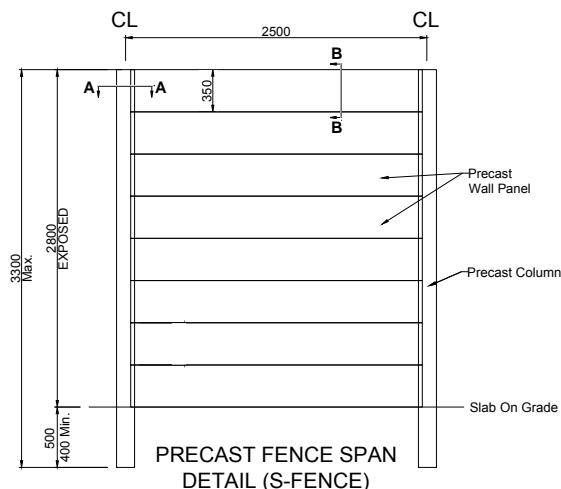
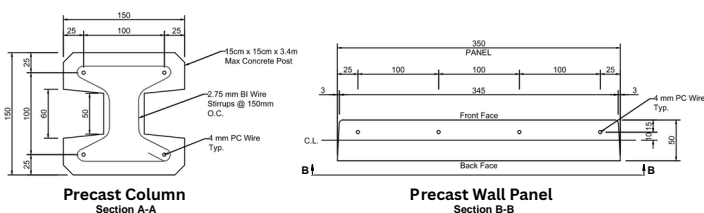
- **Reduce** overall material and labor cost
- **Shorten** project duration
- **Install** and **dismantle** easily and conveniently
- **Control** project costs more effectively

## Ideal for:

- Subdivisions
- Commercial & Residential Properties
- Industrial Sites / Agricultural Land
- Highways & Roads

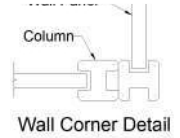
### SPECIFICATIONS

Concrete Properties		Reinforcing Properties	
Concrete Strength @ 28 Days	3000 psi	Type	Pre-stressing Wire
Concrete Density	2350 kg/m <sup>3</sup>	Size	4mm Diameter
System Components		Ultimate Tensile Strength	1760 MPa
Components	Wall Panel = 105 kg (42 kg/m) Column = 115 (35 kg/m)	Area of Wire	12.56 mm <sup>2</sup>



## Installation Procedure:

**Step 1:** Install Columns at 0.5m depth with isolated footing formwork prior to pouring. Footing details in Appendix A. Ensure that the columns are aligned and level. Note: Column spacing = panel length + 90mm. Install (2) Columns next to each other at wall corners if the wall changes orientation.



**Step 2:** Pour the isolated footing with the Column installed. Option to use precast base.



**Step 3:** Insert Precast Wall Panel between Columns. Ensure that each Wall Panel installed is level using a level bar. Add shims/spacer under each wall panel as required.



**Step 4:** Install spacers in the Column-Wall joint at the top most panel to prevent wall movement when applying mortar



**Step 5:** Apply mortar at the Column-Wall joint to seal off erection tolerances.



**APPENDIX A - PRECAST COLUMN & POST FOOTING**

PRODUCT	FOOTING DIMENSIONS		
	a	b	t
150mm x 150mm I-section column	400mm	400mm	200mm

*\*note: 3,000 psi structural concrete. Deformed bar is not required but can be used depending on soil conditions per discretion of installer.*

Per footing: Concrete Volume = 0.032 m<sup>2</sup>

- Cement: 12 kg
- Sand: 42 kg
- Gravel: 22 kg

