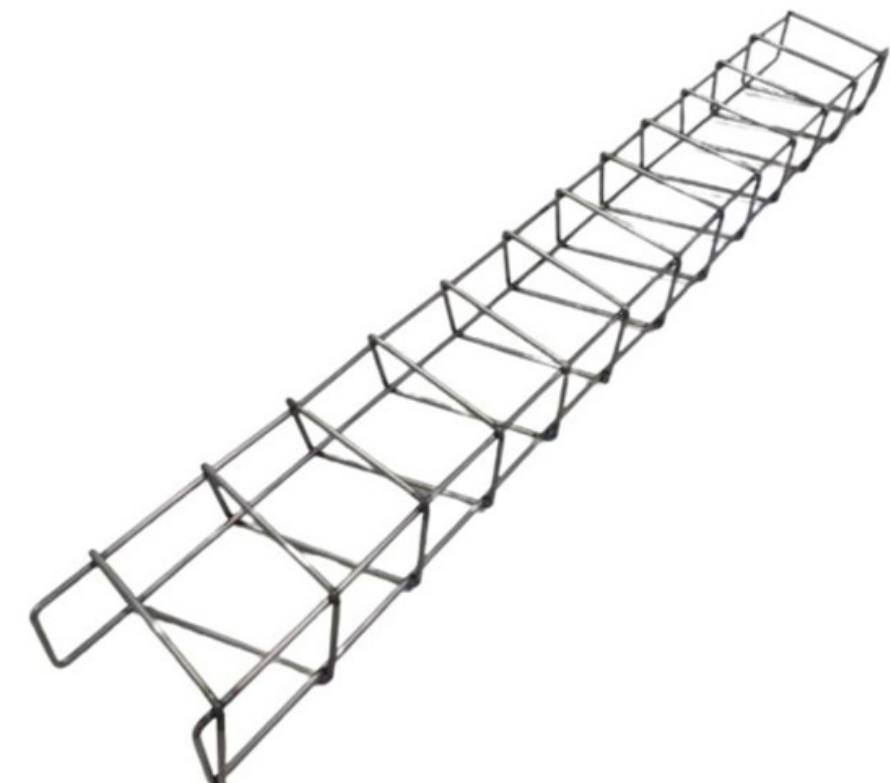


A simple solution for difficult stair landing reinforcement

“We hunt the demons of construction sites”

Barona

Staircase Landing Reinforcement



📍 6thF Baro Bldg.9 Pungseong-ro 38-gil Gangdong-gu Seoul, Korea 05393

🌐 www.baro-ck.com

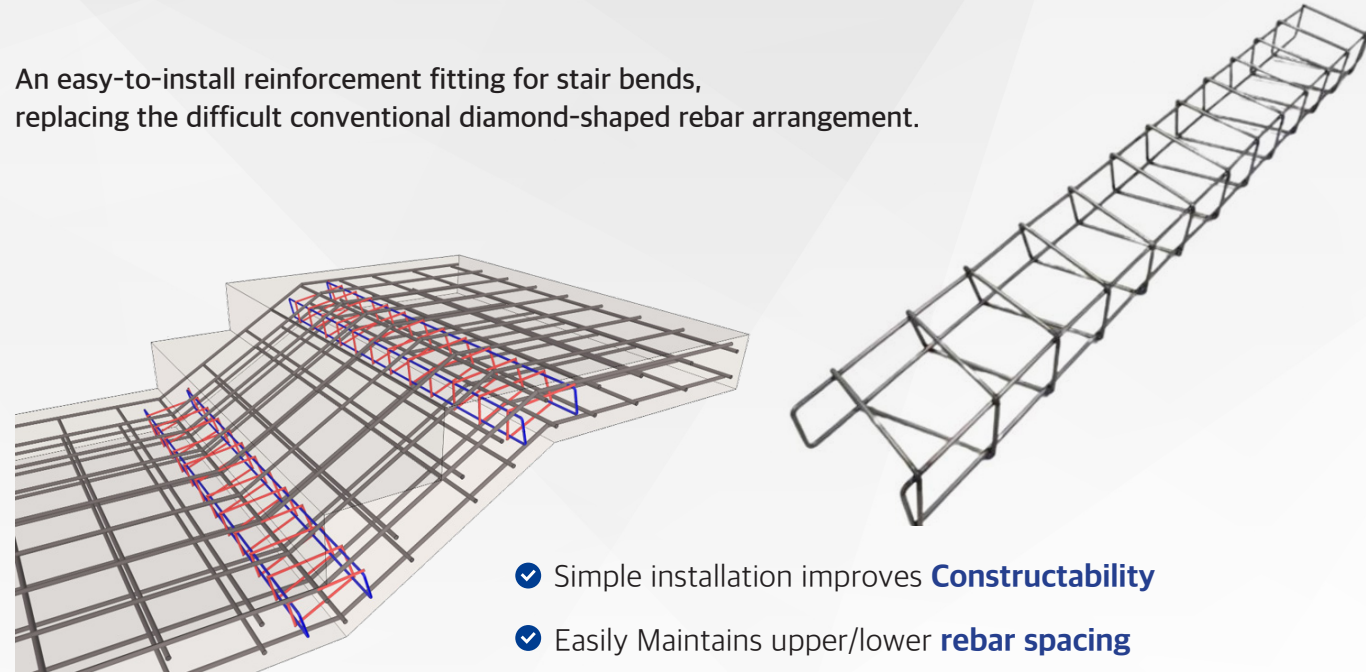
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What is the **Barona** Staircase Landing Reinforcement?

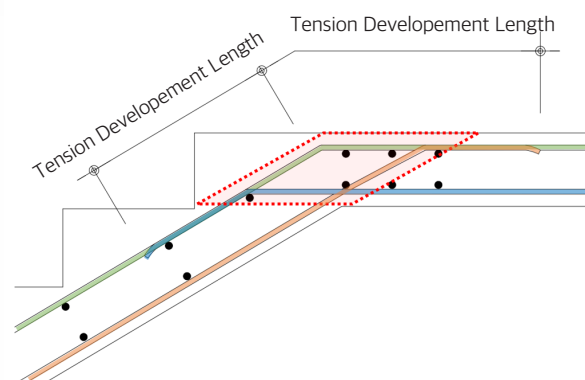
An easy-to-install reinforcement fitting for stair bends, replacing the difficult conventional diamond-shaped rebar arrangement.



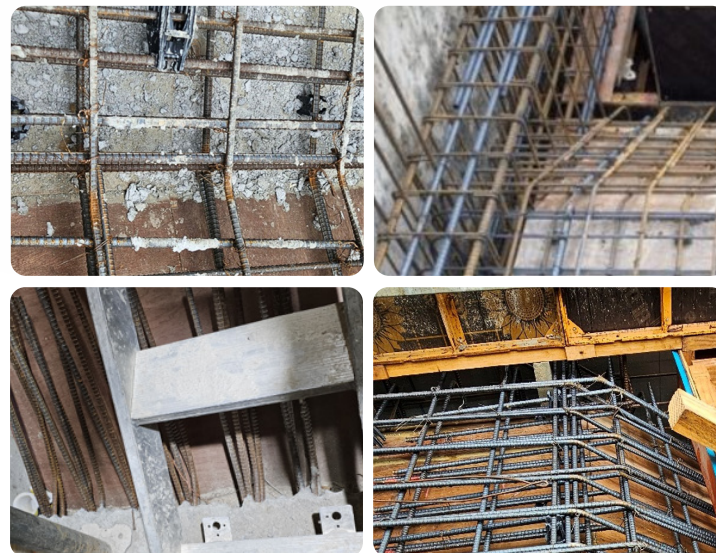
- ✓ Simple installation improves **Constructability**
- ✓ Easily Maintains upper/lower **rebar spacing**
- ✓ Design-reviewed application for **Structural Safety**
- ✓ Steel-wire construction improves **Economy**

Difficulties with Conventional Rebar Detailing

- Diamond-shaped rebar required at stair bends
- Too complex to install properly
- Often installed incorrectly or omitted on site



Conventional Diamond-Shaped reinforcement



Example of omitted stair landing reinforcement

Configuration & Features

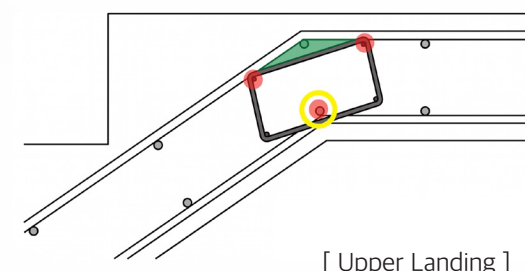
- Steel wire formed into a rectangular spiral at uniform pitch
- Prevention of stair rebar straightening and cracking at stair bends
- Maintains spacing between upper and lower reinforcement (acts as a spacer)



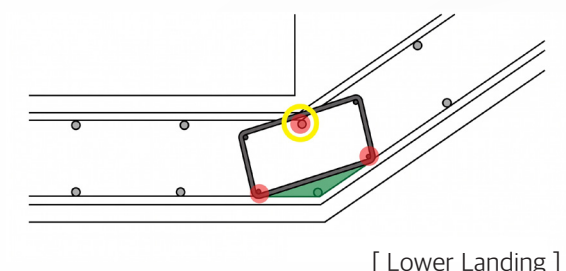
Tensile resistance of stair-bend reinforcement

Installation

- 1) Install the horizontal bar inside the BARONA SLR, then place the unit on the lower rebar. (■)
- 2) Install the upper rebar and tie the three contact points to the rebar with BARONA SLR. (■)
- 3) Center the BARONA SLR at the rebar bend so the rebar and unit form an isosceles triangle.(■)



[Upper Landing]



[Lower Landing]



Place after installing internal horizontal bar



Tie three points with steel wire



Install as an isosceles triangle