
PANEL STRIP TIME REPORT

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TABLA Panel Strip Time Report

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Addendum & References:

Panel removal flexure considerations:

The distance at which “full flexure” deflection vs “shear-block” deflection takes place is in the span/depth range of 32 to 1. This means a “span” of 32 times thickness. Under an 8” slab, for example, 32×8 = about 21 feet, or 6.3 m is required before “flexure” as measured by “standard” calculation methods can occur. “Span” is figured from outside a support half-slab-depth, when supports are not theoretical knife-edges. TABLA max spans are only 11 to 1 span/depth ratio with panels removed, and flexural support widths are over 20% of clear spans. These geometries make TABLA supports far wider in ratio to span than simple “pin” or “knife-edge” bearings.

The TABLA prop system firmly supports slabs and beams in a direct, fool-proof pattern of exact placement and test-proven strength, during pour, during cure, and during reshore conditions. No reports of premature green-cracking of slabs after panel removal have been received from the many jobs this system has supported, when proper curing of that green concrete has been applied.

In short, TABLA props hold up green slabs with full-contact support at every shore head before, during, and after panel removal. TABLA props do it without drop-head shock, without delay in reshore placing, without error in reshore location, and without variations in plumb and preload...

Many “Specifications” haven’t quite caught up with this new TABLA system.

References:

1. ACI 347 – 04, Section 3.5.1, Shoring;
Section 3.7.2.1, Removal of forms & supports;
Section 3.8.3, Other methods (backshoring)
2. ACI SP-4 7th Ed, Section 6, P35, Shoring design, “Other Patented Shoring Devices”
3. op cit: P35, and “Multistory Work”, particularly, the recommendation for removal of **ALL** forms & shores at 70% f’c specified minimum 28-day concrete ultimate strength. (Note: This does NOT mean removal of panels, leaving props in place, the TABLA Method)
4. op cit: P35, Table 6-9B, “obtain project-specific age-strength data for the mix and job conditions with which they are working”
5. op cit: Section 6, P37, Table 6-4A