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TINGWALL ERECTION ADVANTAGES

The development of TingWall™ was focused originally on in-place performance criteria. Dr. Ting, as a structural engineer, designed a system that successfully encloses the building with permanent water resistance, the ability to handle significant inter-floor deflection, seismic or wind induced story drift, and low-cost maintenance over the long term. It was immediately clear with the first project that TingWall™ installation is more flexible, faster, and safer, with smaller crews and less equipment than conventional systems. Indeed, the biggest challenge facing a first-time user of TingWall™ is producing materials in the shop fast enough for the field, since they will universally underestimate the speed of erection. Following are a few reasons for this.

1. TingWall™'s patented mounting clip installs very quickly, and is adjustable in all three directions without the need of field welding. Then shop-prepared mullions are joined to the structure – again with no field welding. Installation of additional mullions can proceed as installation of facing panels begins.
2. Each mullion bay is independent of the adjacent bay, meaning that no one bay must be installed before an adjacent one. This allows for simultaneous right-to-left and left-to-right and multiple-point erection. Sections of a building can be skipped if necessary and back-filled later, for example to accommodate the movement of large equipment into or out of the building during erection. The multiple-point erection opportunity means that additional crews can be brought in to work on different parts of the building for even faster installation.
3. Shop-glazed TingWall™ panels can be faced with a large variety of materials allowing use of multiple facings without encountering problematic boundary conditions.
4. The need for field caulking is but a fraction of that of the conventional systems. Following the small amount of caulking that is needed, there is no need to wait for curing before moving to the next panel.
5. Panels are mechanically engaged on three edges before final positional adjustment and fastening is done, making the TingWall™ installation process the safest in the industry.

In addition, TingWall™ is a uniquely capable design in the retrofit setting. In many cases, existing mullions can be left in place by addition of adapter extrusions, effectively turning the existing mullion into a TingWall™ mullion. Since the adapters need only be added to one side of the mullion at a time, new panels can be installed on one side of the



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mullion while leaving the old system in place on the other side. This eliminates the “building hole” problem inherent in the use of conventional systems, and with it eliminates the attendant logistical, weather, and security nightmares. If the retrofit involves over-cladding instead, the TingWall™ design again provides flexibility and in-place clearance unavailable with conventional systems.

As we have presented TingWall™ at trade shows, to architects, owners and engineers at their offices, almost universally we are asked how much more one must pay for TingWall™ than for a conventional system. The answer is a *very* pleasant surprise.