

TENACITY

THE FUTURE OF SHOPFRONTS



Tenacity is stronger, faster, simpler than any shopfront. Strong at A3 rated, 40% faster to fabricate and much simpler with no beads and no spigots.

Tenacity is the future of shopfronts.

HBS
ALUMINIUM SYSTEMS



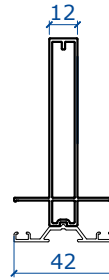
Tenacity

- for the Architect

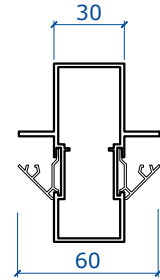
SLIM-LINE AESTHETICS

- 30% slimmer than typical Shop Front systems.
- 42mm profile width glass-to-glass (60mm typ.)
- 12mm mullion line internally (30mm typ.)
- Clean, facade-stile appearance.
- Maximum light and vision.

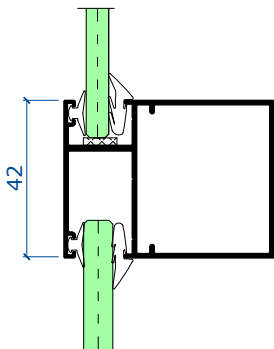
Typical Tenacity Mullion



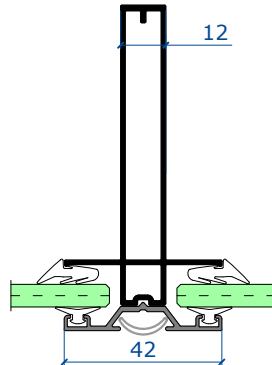
Typical Shop Front Mullion



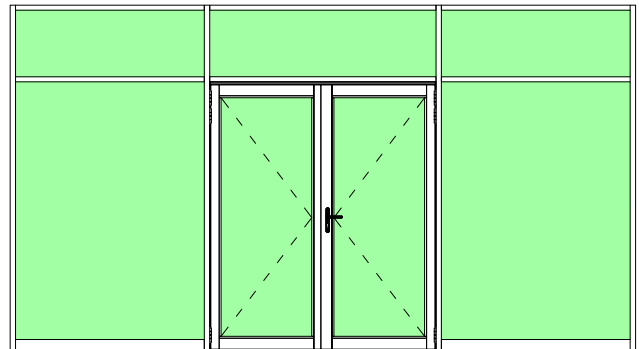
Tenacity Transom



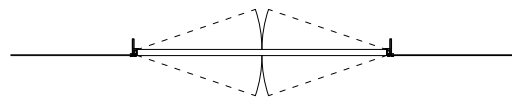
Tenacity mullion



FRAME INSERTS - DOORS & WINDOWS

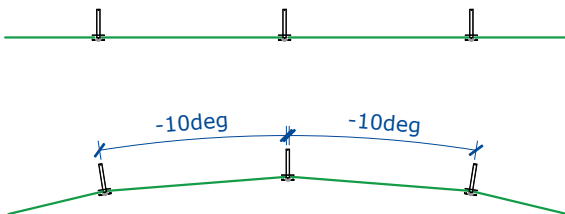


Inside or outside opening doors



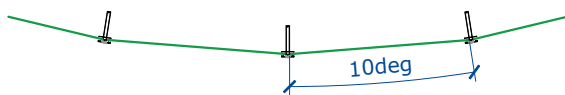
FRAME CONSTRUCTION OPTIONS

• Flat screens

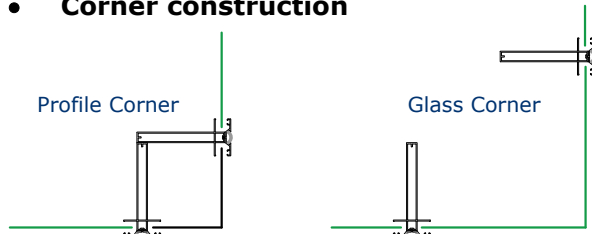


• Curved, segmented screens

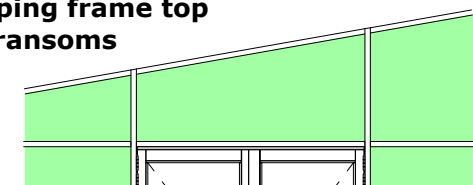
(Max +/-10deg per mullion)



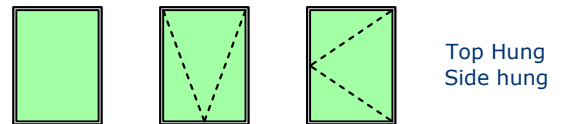
• Corner construction



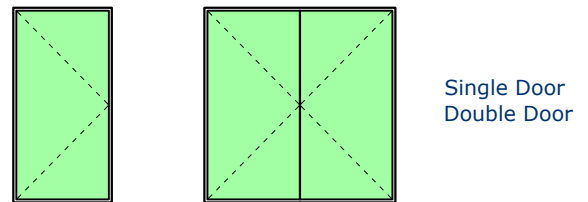
• Sloping frame top & transoms



• Sash & door inserts - with Rebate

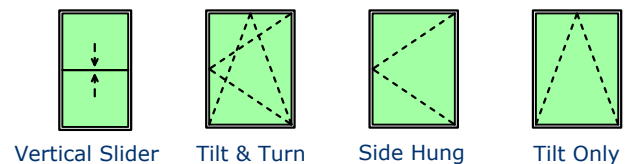


Top Hung
Side hung



Single Door
Double Door

• Product inserts - no Rebate

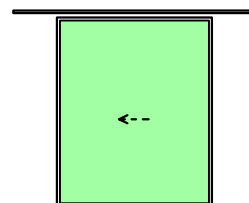


Vertical Slider

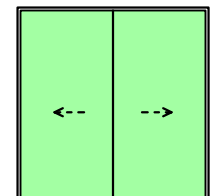
Tilt & Turn

Side Hung

Tilt Only



Shop Front Slider

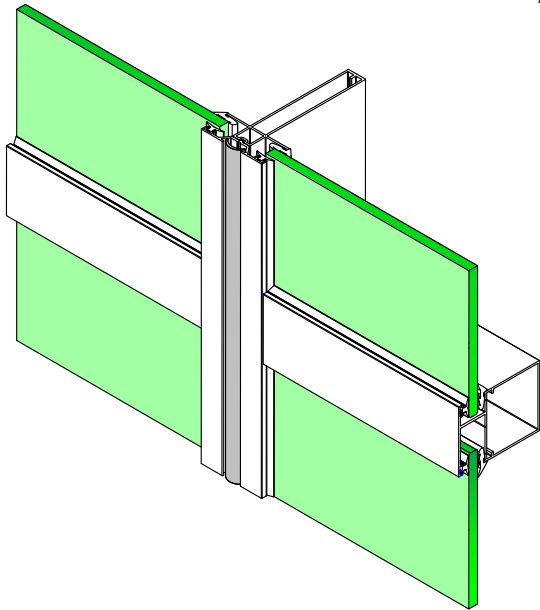


Galaxy, Coastal Sliders



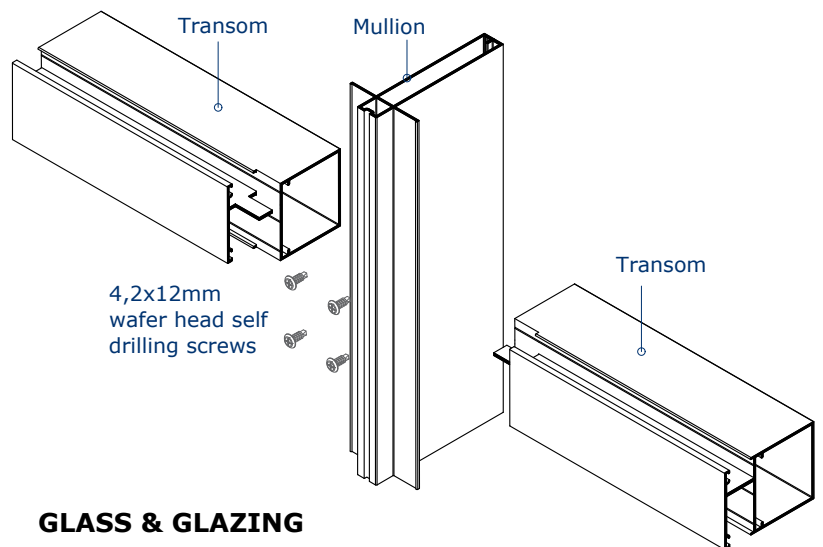
Tenacity

- for the Fabricator



CLEAR BENEFITS

- Up to 30% cheaper than typical shopfronts.
- 40% faster assembly of fixed screens.
- 50 to 85% fewer beads yields faster cutting & glazing.
- High product performance due to simple construction.
- Simple mullion re-enforcement designed in.
- Inside and outside opening doors. (hinged & otherwise)
- Head & Sill compensation and concealed fixing available.

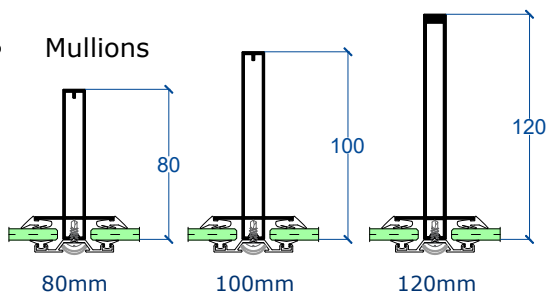


SPIGOT-LESS FABRICATION

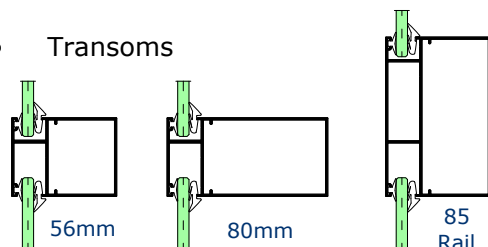
- End milled transoms are joined directly to mullion with self-drilling screws.
- No pre-drilling required, just direct fixing.
- Easily sealed transom to mullion joints.
- Direct fix mullion pressure plate.

PROFILES

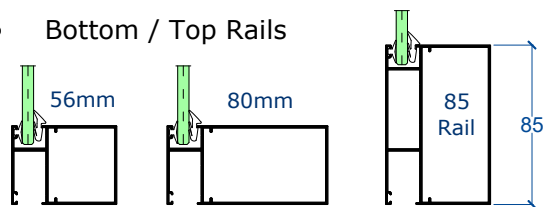
Mullions



Transoms



Bottom / Top Rails

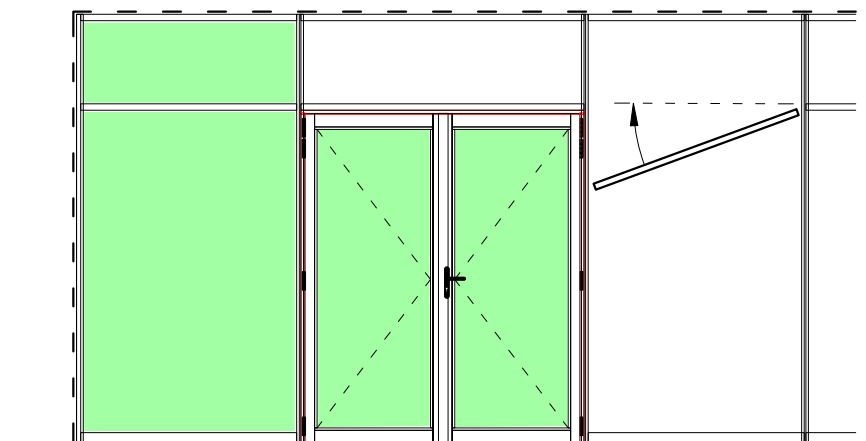


GLASS & GLAZING

- 6,0 to 9mm thickness glass.
- Non-vision panels up to 12mm can be glazed in. (MgO, plaster board etc)

ASSEMBLY

- Build ladder frames as required.
- Transoms are rotated into position, fixed & sealed.
- Insert glass, mount pressure plates, run gaskets.



REASONS WHY ARCHITECTS, FABRICATORS AND HOME OWNERS LOVE TENACITY

1. SLIM-LINE SHOPFRONT SYSTEM

Designed with less components than traditional Shopfront, our slim-line water-proof Tenacity system offers clear, visually appealing facades and 30% cheaper profiles. Head and sill compensation is offered throughout the range.

2. SUPERB PERFORMANCE

A3 performance rating (higher than Shopfront) guarantees product quality and performance as every system from HBS is tested to its limits under SANAS accreditation SANS613:2011.

3. SIMPLICITY

No glazing beads, no spigots and square cut profiles ensure 40% faster fabrication with less errors. Never go back to site to fix glazing beads.

4. LOCALLY STOCKED & SUPPORTED

Tenacity profiles and hardware are available off the shelf so no extended lead times. Place the order, choose the colour and you will be fabricating and installing in no time.

5. AVAILABLE IN QUICK QUOTE

Custom Tenacity products can be quoted in Quick Quote including glass corners. Material Orders, Cutting Lists, CAD Shop Drawings and Project Costings can be generated including all hardware required.