

# TECHNI WALL<sup>MC</sup>



## Quality environment and environmental qualities

In recent years, new technologies have transformed the workplace.

Equipped with laptops and smart phones, employees can work from anywhere, even from home!

It has become common practice to create more flexible and versatile shared spaces. Think about conference rooms, offices, private areas, and lounge areas that employees can use when they are in the office.

Offices offering a quality work environment are also considered green according to the new Leed V4 life cycle criteria.

### Critères contribuant à des points LEED



#### Biophilia and outside view

Promoting the integration of sunlight and maximizing views on elements of nature produces measurable effects and certain benefits for users including increased productivity and capacity learning, stress and absenteeism reduction.



#### Interior design and active design

The possibility of reconfigurations given by the TechniWall walls allows creating a design that will evolve with the company development.

The interior glazed openings facilitate visual communication while preserving the confidentiality of the exchanges.



## Daylight

Our walls maximize the use of glass. Periphery offices are no longer an obstacle to natural light. The need for daytime artificial lighting is lessened, thus reducing energy consumption.

**Minimize the impact on the environment and maximize the user's well-being.**



## A cost-effective choice

There are additional economic advantages in using our walls. Removable walls are considered furniture for tax purposes and depending on the jurisdiction the expense can be depreciated on an accelerated basis compared to traditional construction. Our partitions therefore allow a tax recovery much faster which reduces the initial investment.

Moreover, since our partitions can be installed directly on the floor and under the finished ceiling, their use reduces the cuts and thus the installation time and the percentage of loss.

**We call it  
the democracy of light**



## Air quality

Our products are installed without any sealant, glue, solder or paint. All assemblies are mechanical. The two main materials of our walls are aluminum and glass which are intrinsically VOC non-emissive. Therefore, VOC production depends on the choice of solid panels and can reach almost 0 if LEED-certified solid panels are chosen.

**Our walls components are almost all reusable during a redevelopment or reconfiguration.**



## The 3R principle



### Reduce

Our walls are custom-made and therefore no or few components go to the waste container on site. It is easy to locally obtain glass and other finishes which contributes to the reduction of the environmental impact.

Our products can influence up to 22 Leed categories



### Reuse

Unlike a traditional construction where you have to throw everything in the garbage if the layout of the space no longer meets the needs, the Techniwall walls are removable and therefore adaptable to the changing needs of your company. The components of our removable walls are almost all reusable during a reorganisation or reconfiguration.



### Recycle

Aluminum and glass are recycled easily and indefinitely without losing any of their properties. Aluminum is the material that best retains its value after use; 70% to 80% of aluminum products are recycled. Local supply of some finish panels

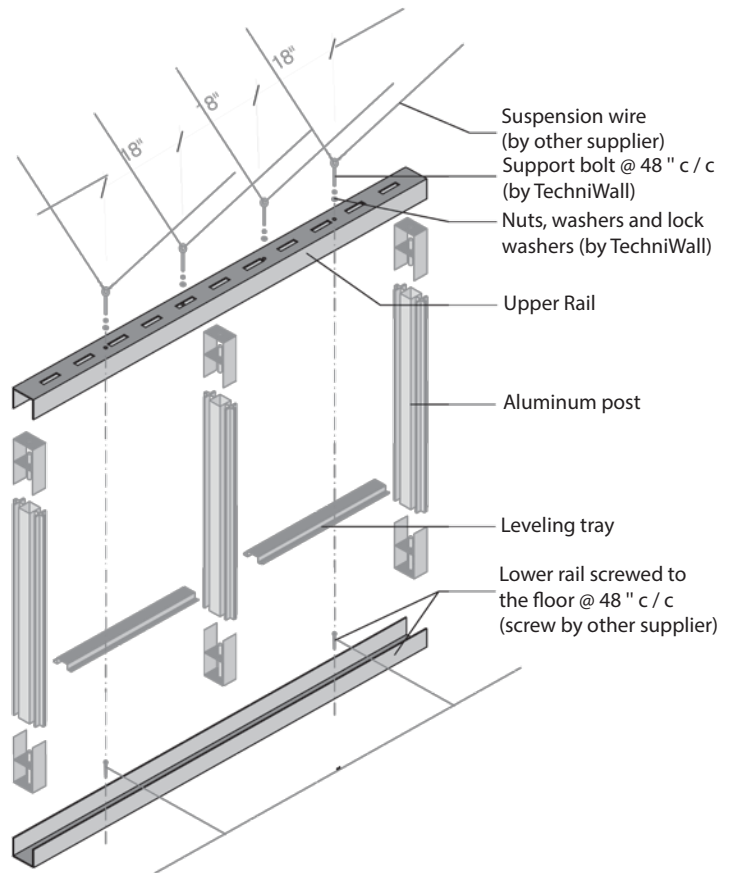
It is possible to locally supply finish panels

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## Seismic resistance

In 2010 the National Building Code of Canada has raised its requirements for seismic resistance. When necessary, it is possible to equip our systems with a fastening device specially designed and tested to resist ground movements. This method of fixing was approved by the Los Angeles Department of Building and Safety.



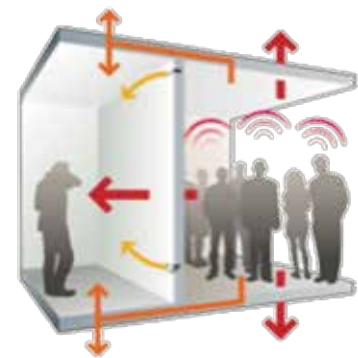
T200 with seismic resistance device

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## Noise and acoustics

Noise is the main factor that occupants will complain about in the office. Telephone conversations, especially hands-on conversations, displacements and discussions are disturbing. The main weakness of the constructions at the acoustic level often does not come from the walls but the ventilation and all the spaces left in the ceiling and between the different materials. This is why all our profiles are equipped with acoustic joints and all assembly ends with wall, floor and ceiling are equipped with pivillene joints.



Wall type	DESCRIPTION	STC*
Gypsum	Wall of gypsum with metal studs, with sheet of 5/8" on each side	30
T100	Simple tempered glass panel 3/8" (10 mm)	33
T100	Single laminated glass panel of 3/8" (10mm)	36
T100	Single tempered glass panel 1/2" (12 mm)	35
T100	Single laminated glass panel of 1/2" (12 mm)	38
T200	Single tempered glass panel 1/4" (6 mm)	31
T200	Single laminated glass panel of 1/4" (6 mm)	34
T200	Double tempered glass panels 1/4" (6 mm)	41
T200	Double laminated glass panel from 1/4" (6 mm)	44
T200	Double melamine type panels 5/8"	40**

\* STC : Sound transmission class

\*\* A rating of STC 47 can be achieved if Roxul®-type rock fiber insulation is inserted into the cavity between the two solid panels. Absorbent foam must also be installed in the ceiling and floor rails. A rating of STC 50 can be achieved by substituting particle boards with finished sound absorbent fabric panels and Roxul®-type rock fiber insulation inserted into the open cavity between the acoustic panels on each side of the T200 wall. An absorbent foam should also be inserted into the ceiling and floor rails.