Noncombustible Smoke Partition

DIRTT
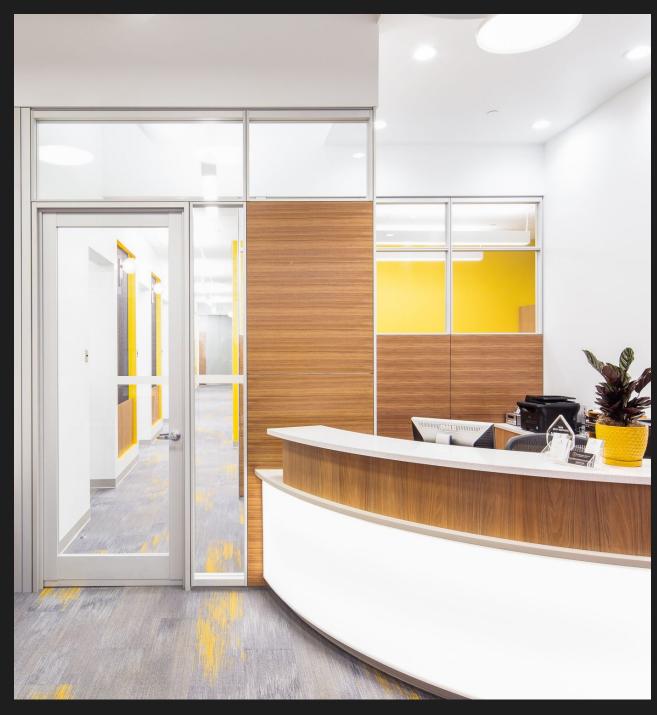
A SOLUTION FOR NONCOMBUSTIBLE SMOKE PARTITIONS

Whether you're building with DIRTT solid or glass walls, our wall assemblies can be constructed to limit the transfer of smoke. Our noncombustible, modular-conventional hybrid solution runs deck to deck and uses pressure-fit gaskets to achieve the required performance.

Smoke Partition

SYSTEM FEATURES

	Magnesium Oxide (MgO) finish panels comply with noncombustible code requirements
	Both sides of the wall behave independently, allowing multiple panel configurations and finish options
01	Assembly is typically sealed deck-to-deck to limit the transfer of smoke per model building code requirements*
	Wall assemblies tip into place for quick installation
02	Standard header uses ceiling track (when ceiling by others is constructed to limit the transfer of smoke), or metal stud kickers (when under bulkhead)
03	Factory-installed recycled denim insulation provides improved acoustic performance
04	Optional smoke-rated door for most environment integrations that are code compliant
05	Precision manufactured for base building accommodation
	Modular design supports quick installation and easy reconfiguration
	Frame-to-frame inline connections offer nondestructive adaptability
06	Wall panels are easily removable for reducing the time and cost of maintenance
07	Leverage space in the wall cavity to integrate and protect technology while limiting the transfer of smoke

* The authority having jurisdiction (AHJ) must review and approve all solutions used in this application

01/03

04

06/07

SYSTEM OPTIONS

	Available for 4" Solid Walls, 6" Solid Walls, Classic Glass Walls, Double Pane Glass Walls, Inspire™, and Combination Walls
	Options for noncombustible fiber glass insulation or recycled denim
	Header can utilize DIRTT integral ceiling perimeter edge angle with pressure-fit gaskets
	Most commonly, assembly above the DIRTT wall is constructed of conventional metal studs and wall board**
	Support your brand with customized finishes and graphics
	Seismic compatible

** Custom solutions can also be designed to meet niche requirements on a case-by-case basis

Technical Overview

DESIGN CONFIGURATIONS

Wall Module Configurations	Configure for seismic compliance when needed
	Select gaskets to support healthcare applications, acoustics, and limiting the transfer of smoke
	Customize ceiling and base trim shape and color
Wall Connections	Standard header uses ceiling track (when ceiling "by others" is constructed to limit the transfer of smoke), or metal stud kickers (when under bulkhead)
	Base track secures to the base building with carpet grippers, double-sided tape, or seismic anchoring
	Wall modules connect with frame-to-frame inline connections
	Wall modules connect to door modules with frame-to-frame inline connections
	Post options: Inline, 90-degree, 120-degree, 135-degree, three-way, four-way, adjustable and drywall

DOOR TYPES

Swing Door

DOOR OPTIONS

Framed Glass (4" and 6" stiles)

Solid Core Wood

DIRTT SYSTEM INTEGRATIONS

DIRTT Electrical

DIRTT Casework

DIRTT Networks

Third-party provided hardware and technology

BUILD DYNAMIC SPACES

dirtt.com ↗