MOUNTING STYLE SPECIFICATION

Ceiling Hung (CH)

Ceiling Hung suspends each pilaster from structural steel above a hard-lid ceiling, leaving the floor beneath the partitions free of hardware, anchors, and penetrations.

TOP CONNECTION	BOTTOM CONNECTION	PILASTER TOP	MATERIALS
Bar and shoe	**None**	**At the ceiling**	**Three**
Threaded rods to structural steel	Open floor beneath the partitions	Length depends on ceiling, floor gap, and connection	HPL, Compact Laminate, and Wood Veneer

WHAT IT IS

Threaded rods connect a mounting bar at the top of each pilaster to structural steel above the ceiling, and a shoe conceals the bar. With no floor connection, every pilaster depends on that ceiling structure and on perpendicular panels, pilasters, or walls to resist door movement.

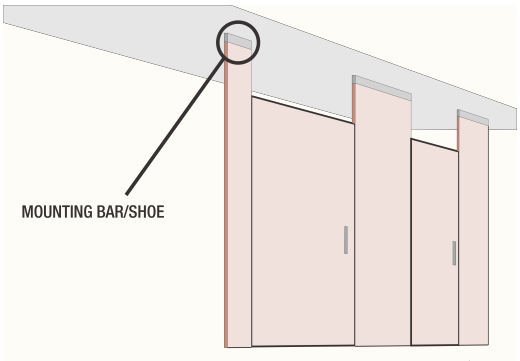
SYSTEM

COMPONENT	SPECIFICATION
Top connection	Mounting bar and shoe; threaded rods to structural steel above the ceiling
Bottom connection	None
Lateral support	Perpendicular panels, pilasters, or walls at every pilaster
Wall connection	Brackets at panels and pilasters that meet a wall

SPECIFIES WITH

MATERIALS
High Pressure Laminate (HPL) · Compact Laminate · Wood Veneer

DOOR STYLES
Flat Panel · Applied Molding · Louver · Door Lite · Captured Panel · Engraving · Inlay · Barn X · Custom Shape



Ceiling Hung partitions with pilasters hung from the ceiling, a mounting bar and shoe at each pilaster top, and no hardware at the floor.

SITE CONDITIONS

Ceiling attachment	**Required**
Suspended ceilings	**No**
Floor access	**Best**
Stability	**Moderate**
Maintenance	**Highest**

MOUNTING SELECTION

STRENGTHS

+ **Floor Access.** No shoes or anchors at the floor; cleaning equipment reaches beneath the partitions.
+ **No Floor Penetration.** No slab drilling; suits radiant-heated or post-tension floors when the ceiling can carry the system.
+ **Suspended Appearance.** Continuous floor surface beneath the partitions, with no base hardware in view.

CONSIDERATIONS

! **Structural Ceiling.** Requires structural steel close to a hard-lid ceiling; suspended tile alone cannot carry the partitions.
! **Engineering Coordination.** A ceiling bolt layout coordinates the building structure, ceiling services, and partition layout.
! **Bracing Requirements.** Pilasters need perpendicular support; alcoves and open ends may need cross or brace pilasters.
! **Ongoing Adjustment.** More ongoing adjustment than any other mounting style; door movement acts on one ceiling connection.

TECHNICAL REFERENCE

STANDARD ELEVATIONS

DOOR HEIGHT	FLOOR GAP	DOOR TOP	PILASTER TOP
58″	12″	70″	Ceiling
72″	9″	81″	Ceiling
84″	9″	93″	Ceiling

Floor gap, door top, and pilaster top are measured above the finished floor.

HEIGHTS AND CLEARANCES

ITEM	SPECIFICATION
Toe clearance	Equal to the floor gap; no hardware at the floor
Long pilasters	Wall or structural transom support and engineering review where the pilaster exceeds its unsupported length

BUILDING REQUIREMENTS

CONDITION	REQUIREMENT
Ceiling	Hard-lid ceiling with structural steel within 2″ of its interior face
Ceiling bolt layout	Provided for every job; backing and bolt locations set before the ceiling is finished
Floor	No anchors or penetrations
Wall backing	Solid backing behind every wall bracket

HARDWARE

COMPONENT	SPECIFICATION
Mounting bar	Single-notch for pilasters under 6″ wide; dual-notch at 6″ and wider
Threaded rods	0.375″ diameter; 1 per pilaster under 6″ wide, 2 at 6″ and wider
Ceiling shoe	3″ or 4″ high by material and edge banding

LAYOUT RULES

CONDITION	RULE
Freestanding pilaster	8″ minimum width
Pilasters under 8″	Against a wall; not for a swinging door
Hinge-side pilaster	Wide enough to carry the door; otherwise Headrail Braced or Floor to Ceiling
Alcoves	Cross pilaster, 8″ minimum, or brace pilaster, 6″ minimum and 7″ preferred
Back-wall pilaster	Full height to the ceiling, with the same ceiling hardware as front pilasters

OPTIONS

OPTION	DETAIL
Structural transom	6″ minimum height; stabilizes tall pilasters

RELATED DOCUMENTS Compatible material and door style pages, the limited warranty, and the Spec Builder are linked from ironwood-mfg.com/products/mounting-styles/ceiling-hung/