MOUNTING STYLE SPECIFICATION

Headrail Braced (HRB)

Headrail Braced (HRB) anchors pilasters to the floor and braces their tops to adjacent walls with a headrail, and it is generally the most economical Ironwood mounting style.

TOP CONNECTION	BOTTOM CONNECTION	PILASTER TOP	MATERIALS
Headrail Braced to adjacent walls	**Plate and shoe** Anchored to the floor	**82″ minimum** Above finished floor with standard doors and hinges	**All five** Every Ironwood partition material

WHAT IT IS

Floor plates concealed by shoes anchor each pilaster, and an anti-grip aluminum headrail ties the pilaster tops to adjacent walls. Because the headrail supplies lateral support without a ceiling connection, Headrail Braced suits high, irregular, and suspended ceilings and needs no cross or brace pilasters.

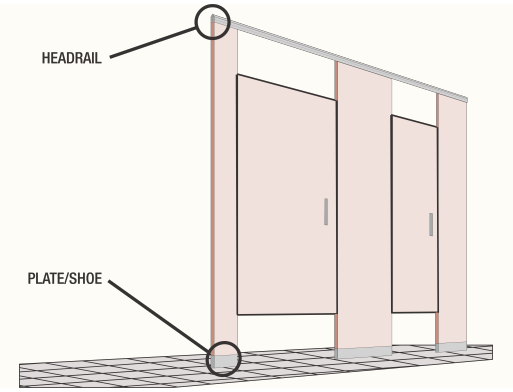
SYSTEM

COMPONENT	SPECIFICATION
Top connection	Extruded aluminum anti-grip headrail across the pilaster tops
Bottom connection	Floor plate at each pilaster, concealed by a shoe
Lateral support	Headrail to adjacent walls; no ceiling attachment
Wall connection	Wall brackets at walls; return brackets at corners and T-intersections; end caps at open ends
Leveling	Leveler bolt at the floor plate, up to 1″; external leveler blocks on Engineered Stone

SPECIFIES WITH

MATERIALS
High Pressure Laminate (HPL) · Compact Laminate · Wood Veneer · Solid Surface · Engineered Stone

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



Headrail Braced detail: anti-grip aluminum headrail tied to the wall and pilaster top, with a floor plate concealed by a shoe at the base.

SITE CONDITIONS

Ceiling attachment	● None
Suspended ceilings	● Yes
Floor access	● Moderate
Stability	● High
Maintenance	● Low

MOUNTING SELECTION

STRENGTHS

+ **Practical Value.** Generally the most economical Ironwood mounting style; pilasters stop short of the ceiling.
+ **Stability and Support.** The headrail ties pilaster tops to adjacent walls; no structural ceiling backing is needed.
+ **Layout Flexibility.** High, irregular, and suspended ceilings all work because the partitions never connect to the ceiling.

CONSIDERATIONS

! **Visible Headrail.** The rail stays visible above the doors; its profile and finish shape the partition elevation.
! **Building Connections.** Requires suitable floor anchoring and wall backing at every headrail termination.
! **Ceiling Clearance.** Needs installation clearance above the pilasters; a custom headrail needs more than the standard rail.

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TECHNICAL REFERENCE

STANDARD ELEVATIONS

DOOR HEIGHT	FLOOR GAP	DOOR TOP	PILASTER TOP
58″	12″	70″	82″
72″	9″	81″	82.5″
84″	9″	93″	94.5″

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

HEIGHTS AND CLEARANCES

ITEM	SPECIFICATION
Ceiling clearance, standard headrail	3″ minimum, pilaster top to ceiling
Ceiling clearance, custom headrail	15″ minimum, pilaster top to ceiling
Door top to headrail	Set by hinge type; some hinges raise the pilaster height
Zero Sightline door bottom	Shoe height plus 1″ minimum; 4″ with the standard 3″ shoe

BUILDING REQUIREMENTS

CONDITION	REQUIREMENT
Ceiling	None; high, irregular, and suspended ceilings accepted
Floor	2″-deep drilled holes at each floor plate; some floors are not suitable
Wall backing	Solid backing at every headrail wall connection

HARDWARE

COMPONENT	SPECIFICATION
Headrail	Clear anodized aluminum; fits 0.75″, 1″, and 1.25″ pilasters
Plate and shoe	Stainless steel floor plate; 3″ shoe sized to the pilaster thickness
Overhead closer	Arm anchors to the headrail through a solid filler block

LAYOUT RULES

CONDITION	RULE
Cross and brace pilasters	Not required; the headrail braces the run
Alcove return	Return headrail to the wall where an alcove pilaster has no perpendicular support; review alcoves over 72″ wide
Back-wall pilasters	Top at panel top; no headrail connection
Obstructions	Headrail spans windows, pillars, and columns

OPTIONS

OPTION	DETAIL
Custom headrail	HPL, Compact Laminate, Wood Veneer, or Solid Surface; 3″ high, pilaster thickness; standard pieces up to 105″, longer pieces reviewed
Powder coat	Headrail in a standard color range; exact match to the partition finish not assured
Floor L brackets	Replace plate and shoe at individual pilasters; no leveling adjustment; allow lower Zero Sightline doors
Transom	Rises to the pilaster top into the headrail channel; may affect fire and lighting code compliance

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