

# Aria Specifications

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## GENERAL

Extruded aluminum butt glass wall system as manufactured by Inscape Walls, Falconer, New York.

## QUALITY

Complete installation shall have flat surfaces and tight, straight-line joints. All elements shall assemble into a rigid structure.

## CONSTRUCTION

### Alignment

Glass lites shall be levelled (micrometric adjustment by means of aluminum and nylon levelling foot).

## FLOOR AND CEILING TRACK

### Bearing structure - single partition

Made of extruded aluminum with 2 1/4" rectangular section, with floor-ceiling tolerance of +/- 1/2" and micrometric adjustment by means of aluminum and nylon levelling foot.

It consists of a bearing profile fastened to the ground and ceiling by means of expansion anchors, injection molded clamps to hold the glass with mechanical attachment to the bearing profile and a finishing casing snapped on with clips.

The profiles are equipped with co-extruded rigid/soft gaskets both on the parts in contact with the glass panels or solid panels and on the parts in contact with the floor and ceiling, thus providing additional soundproofing.

## STANDARD DOOR

### Door Options

- Hinged
- Sliding

Single Glaze							
Door Type	# Doors	# Doors Y/N	Frameless	Framed	Solid	Double Glass (Doors)	Glass Thickness
Hinge	Single Leaf	•	•	•	•		3/8"
Hinge	Pair of Doors	•	•		•		3/8"
Sliding	Single Leaf	•	•	•	•		3/8"
Sliding	Pair of Doors	•	•	•	•		3/8"

## **Door Material**

- Wood
- Glass
- Aluminum/glass combination

## **Door Finishes**

- Anodized aluminum
- Powder coat or waterborne paint
- High pressure laminates
- Veneers
- Tempered glass with various color options

## **DOOR HARDWARE**

- Field installed commercial grade lever lockset and 1 1/2 pair of 4 1/2" x 4 1/2" ball-bearing hinges
- Hardware to be US26D finish unless otherwise specified
- Door pulls, soft close mechanisms on sliding door type

## Glass Lites

Made of laminated or tempered (1/2" or 3/8") or acoustical glass with PVB inner layer. The vertical coupling between glass panels is made of polycarbonate profiles or aluminum extruded profiles upon which structural double stick tape is applied to unite the glass.

## Solid panel

Made of a fire retardant melamine chipboard 11/16" thick. The panels are edged with edge banding on all sides. The panels are fitted on a perimeter frame, made of extruded aluminum with a 11/16" cavity. This construction method makes it possible to have two different finishes on the two sides of the partition.

The overall thickness of the solid wall is 2 1/4", flush with the bearing profiles of the floor and ceiling.

Chipboard can be manufactured with a laminate or wood veneer finish.

## Swing doors

There are two versions of the door modules:

- Glass door: 3/8" thick tempered glass
- Solid door: door shall be solid core standard. Size to be nominal 3' wide and full height x 1 3/4" thick. Shall be machined to accept 1 1/2 pair of 4 1/2 x 4 1/2 ball bearing hinges and cylindrical lock set, unless otherwise noted
- Aluminum/glass combination

Door jamb made of extruded aluminum with stop gasket on three sides.

## Sliding doors

- Made of 3/8" thick tempered glass
- Equipped with sliding mechanisms complete with dampened stops
- Solid
- Aluminum/glass combination

## Wall Starts

- Made of two extruded aluminum telescopic profiles, with a 5/8" adjustment range
- Profiles are equipped with co-extruded rigid/soft PVC gaskets thus providing the partition with additional soundproofing
- Variable angle start with a 45 degree range

### Technical module

- Made of two extruded aluminum profiles snapped together to allow them to be opened for cable management

### Variable angle

- Made of extruded aluminum profiles

### Acoustics of single glazed partition:

Tempered 3/8" glass: STC 28

Tempered 1/2" glass: STC 29

Laminated 3/8" glass: STC 31

Laminated 1/2" glass: STC 32

Laminated 1/2" acoustical glass: STC 36

### **CLEANING**

Installation contract is responsible to remove all cartons, wrappings, left over materials, etc. and leave job broom clean. Wipe down all partitions. Cleaning of glass and washing of partitions to be done by others.