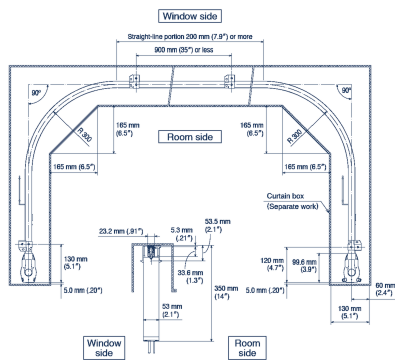


Curved Motorized Tracks

A considered path around corners, bays and architectural glazing.

Two curves two-way draw: ceiling single attachment



Motorized drapery can follow selected curved layouts when the track, carriers and drive system are designed for the geometry. The gallery below includes straight mounting references and five curved layouts from your supplied drawings. Each arrangement is reviewed against the capabilities of the selected motor and rail.

Layouts	Single bends, bays and selected reverse curves
Layers	Single or double rail
Survey	Dimensioned plan or verified template
Ordering	Geometry and system reviewed before fabrication

Start with the geometry

Send a dimensioned plan, window photographs and the required drapery path. Identify the window side, room side, draw direction and motor location. Bay angles, bend radii and straight sections all affect fabrication.

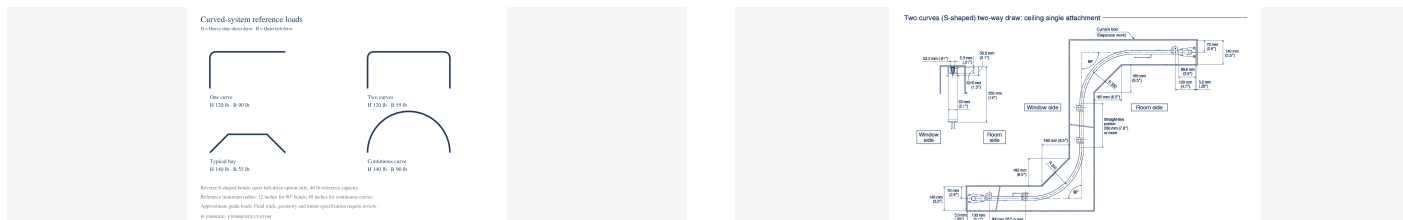
Single or double tracks

A single rail carries one layer; double rails can support separate sheer and main drapery treatments. The required ceiling pocket, rail spacing and stack zones change with the arrangement.

Curves are system-specific

Single bends, two-bend bay layouts and selected S-shaped tracks are shown as configuration references. A layout illustrated here is not automatically available with Forest, Lutron or the heavy-duty motor. Reverse curves require a compatible system and individual confirmation.

Specification and integration



Reference curved-system loads and an S-shaped track layout.

Reference curved-system loads

The supplied guide compares two systems. One curve: heavy-duty direct drive 120 lb / quiet belt drive 90 lb. Two curves: 120 lb / 55 lb. Typical bay: 140 lb / 55 lb. Continuous curve: 140 lb / 90 lb. Reverse S-shaped curves are listed only for the quiet belt-drive option, with a 40 lb capacity. All loads are approximate reference limits; they do not replace a project-specific check or apply to Forest motors.

Technical layouts

The nine supplied technical layouts have been traced into higher-contrast vector linework while retaining their original geometry, annotations and dimensions. Enlarge each drawing for details. They are reference drawings, not a dimensioned order for your project.

Before fabrication

Confirm the rail profile, minimum bend radius, bracket positions, splices, motor clearance, opening direction and weight allowance. A curved track's load rating can be lower than a straight track's rating.

Radius and template planning

The curved-system guide lists a 12-inch minimum radius for 90-degree bends and a 49-inch minimum radius for continuous curves. Acute-angle tracks require at least 24 inches from the angle apex to the motor-side track end in that reference system. A verified template is required for these custom curves: mark the track path, both ends, motor position, room and window sides, and whether the template is a top or bottom view.

Can you copy my window's exact curve? Provide a verified template or surveyed dimensions. We confirm the achievable radius and track path before fabrication.

Can I use the same motor on any curve? No. Bend geometry, drive type and reduced load capacity must be checked for the selected system.

Next step

- Identify the exact track and motor for each proposed curve.
- Confirm radius, straight sections, curtain weight and double-track spacing.

Design Consultation

Share measurements, fabric or heading, track layout, power and the Lutron system.
Visit plumridge.com or scan the live system information using the link below.

View this system online: plumridge.com / Hardware / Motorization

Curved-system reference comparison

Curved-system reference loads

H = Heavy-duty direct drive · B = Quiet belt drive



One curve
H 120 lb · B 90 lb



Two curves
H 120 lb · B 55 lb



Typical bay
H 140 lb · B 55 lb



Continuous curve
H 140 lb · B 90 lb

Reverse S-shaped bends: quiet belt-drive option only, 40 lb reference capacity.

Reference minimum radius: 12 inches for 90° bends; 49 inches for continuous curves.

Approximate guide loads. Final track, geometry and motor specification require review.

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Approximate guide loads for the two systems shown. These values do not apply automatically to Forest or Lutron motors. Confirm the exact rail, motor and curve geometry before fabrication.

Design Consultation

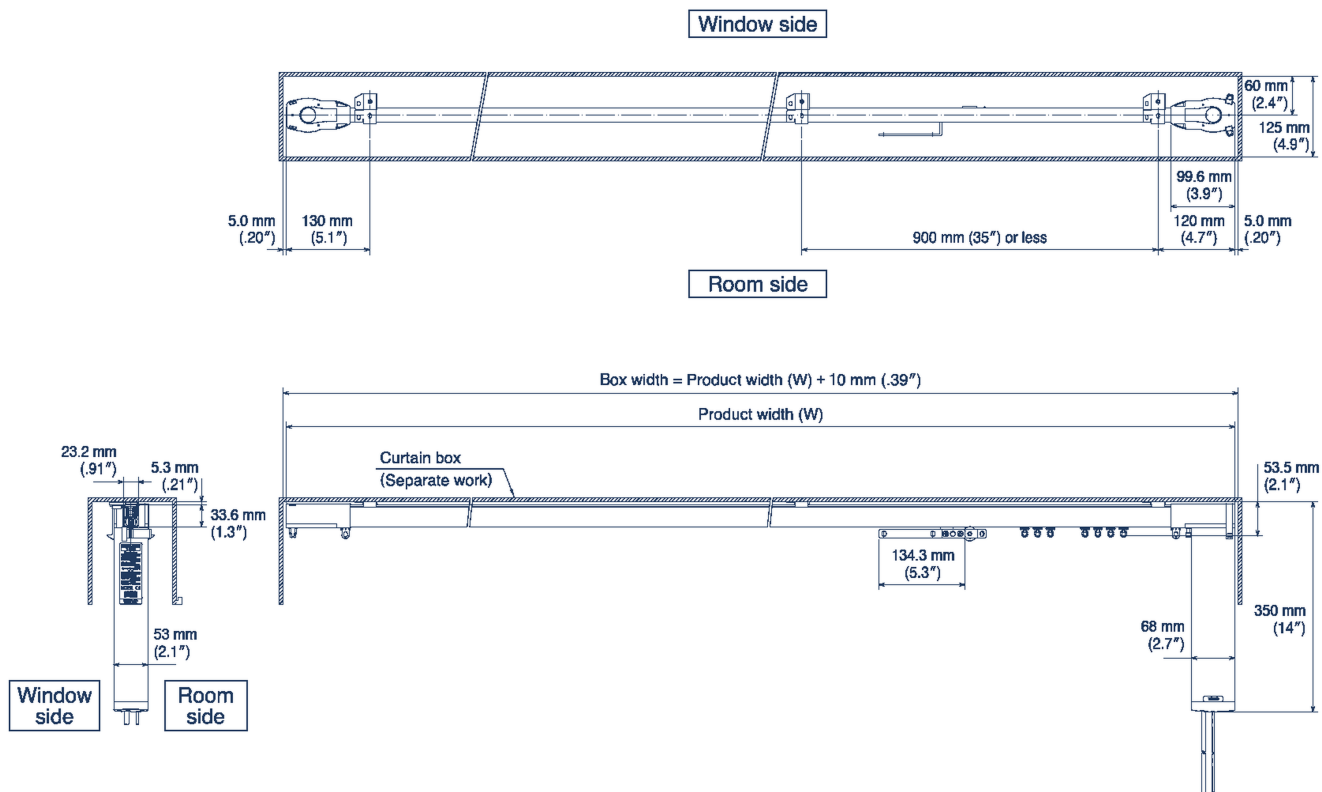
Share measurements, fabric or heading, track layout, power and the Lutron system.
Visit plumridge.com or scan the live system information using the link below.

View this system online: plumridge.com / Hardware / Motorization

One-way draw · single ceiling attachment

Reference layout. Original geometry, dimensions and annotations retained. Confirm suitability for the selected motor and rail.

One-way draw: ceiling single attachment

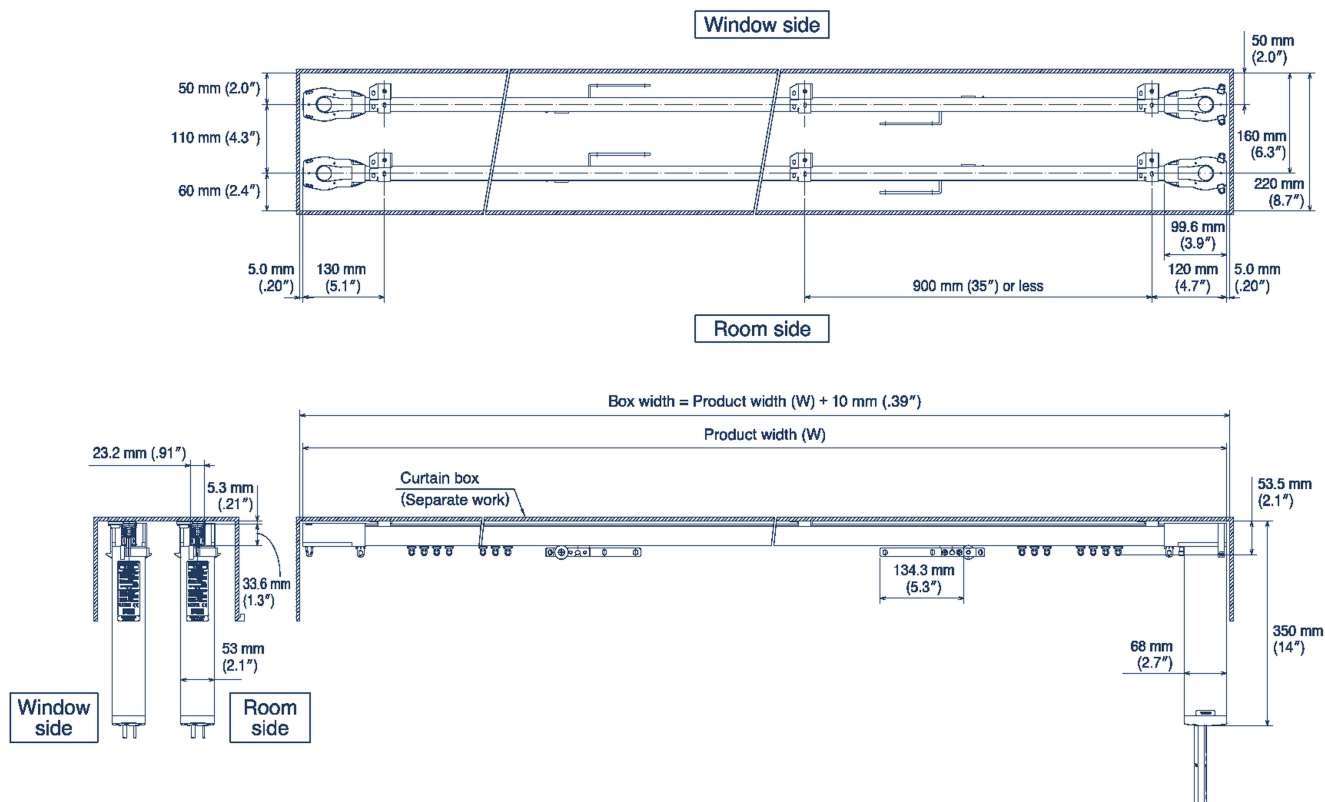


Do not scale this drawing for fabrication. Provide verified project measurements or a template.

Two-way draw · double ceiling attachment

Reference layout. Original geometry, dimensions and annotations retained. Confirm suitability for the selected motor and rail.

Two-way draw: ceiling double attachment

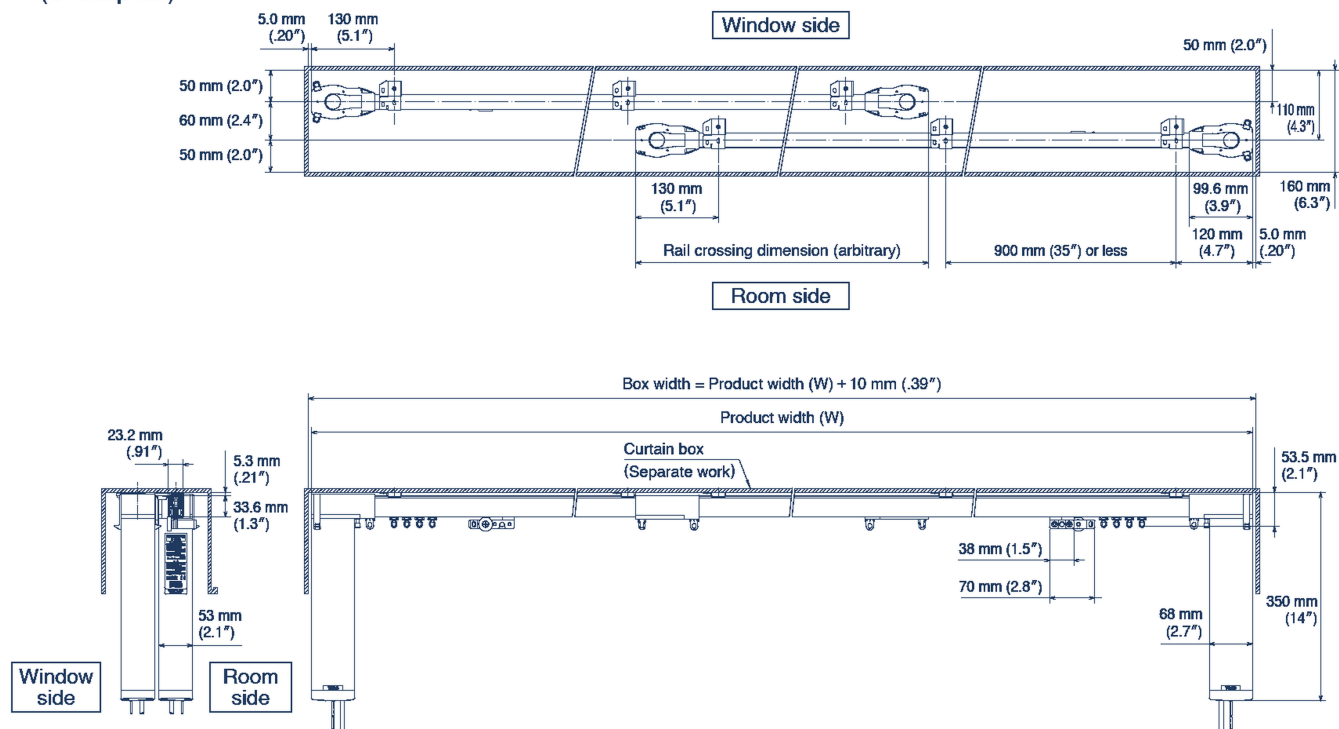


Do not scale this drawing for fabrication. Provide verified project measurements or a template.

Two-way draw · overlap rail

Reference layout. Original geometry, dimensions and annotations retained. Confirm suitability for the selected motor and rail.

Two-way draw: ceiling double attachment (Overlap rail)

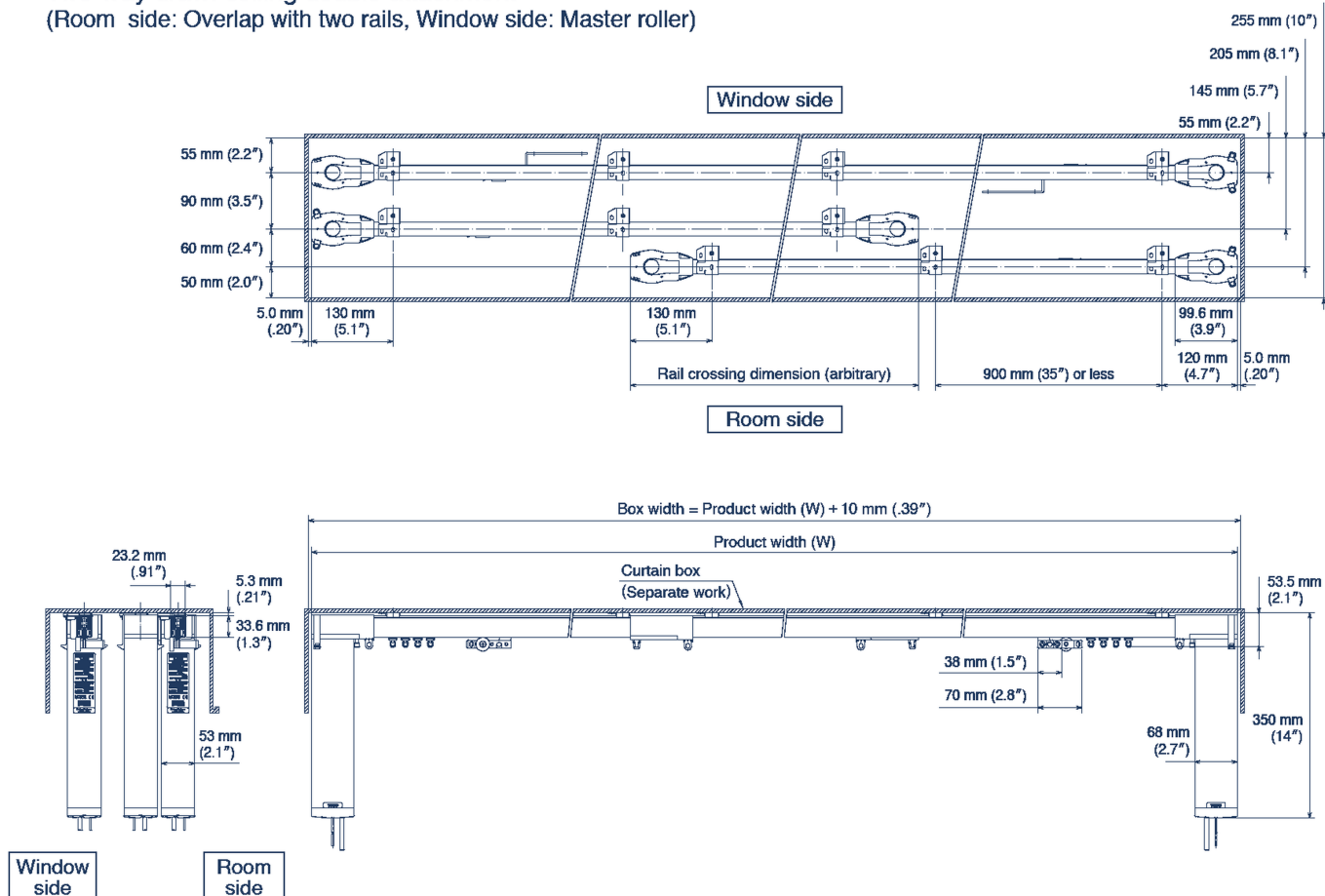


Do not scale this drawing for fabrication. Provide verified project measurements or a template.

Two-way draw · double rail overlap

Reference layout. Original geometry, dimensions and annotations retained. Confirm suitability for the selected motor and rail.

Two-way draw: ceiling double attachment (Room side: Overlap with two rails, Window side: Master roller)

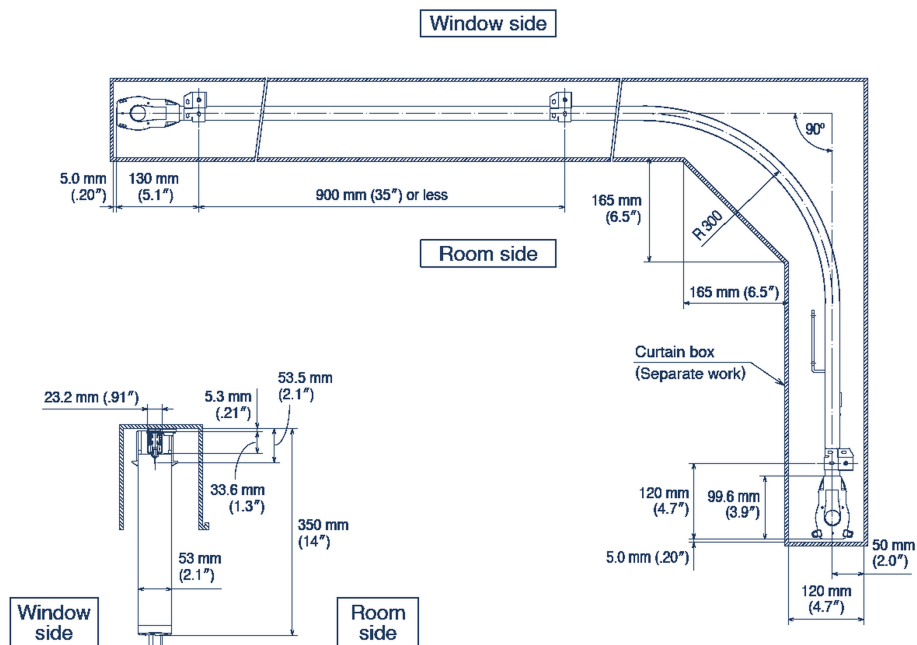


Do not scale this drawing for fabrication. Provide verified project measurements or a template.

Single curve · one-way draw · single rail

Reference layout. Original geometry, dimensions and annotations retained. Confirm suitability for the selected motor and rail.

Single curve one-way draw: ceiling single attachment

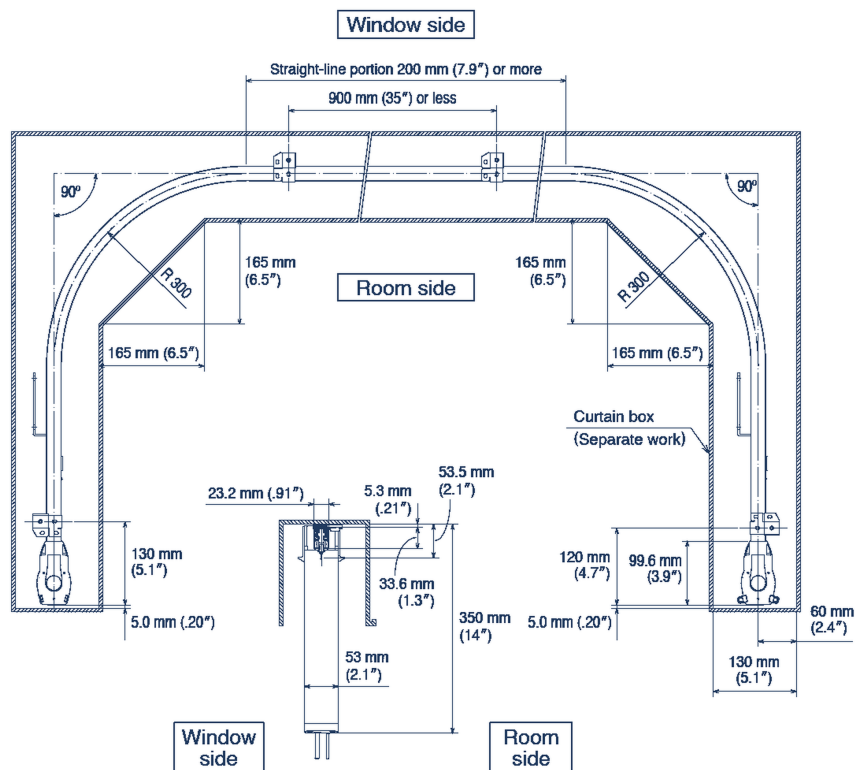


Do not scale this drawing for fabrication. Provide verified project measurements or a template.

Two curves · two-way draw · single rail

Reference layout. Original geometry, dimensions and annotations retained. Confirm suitability for the selected motor and rail.

Two curves two-way draw: ceiling single attachment

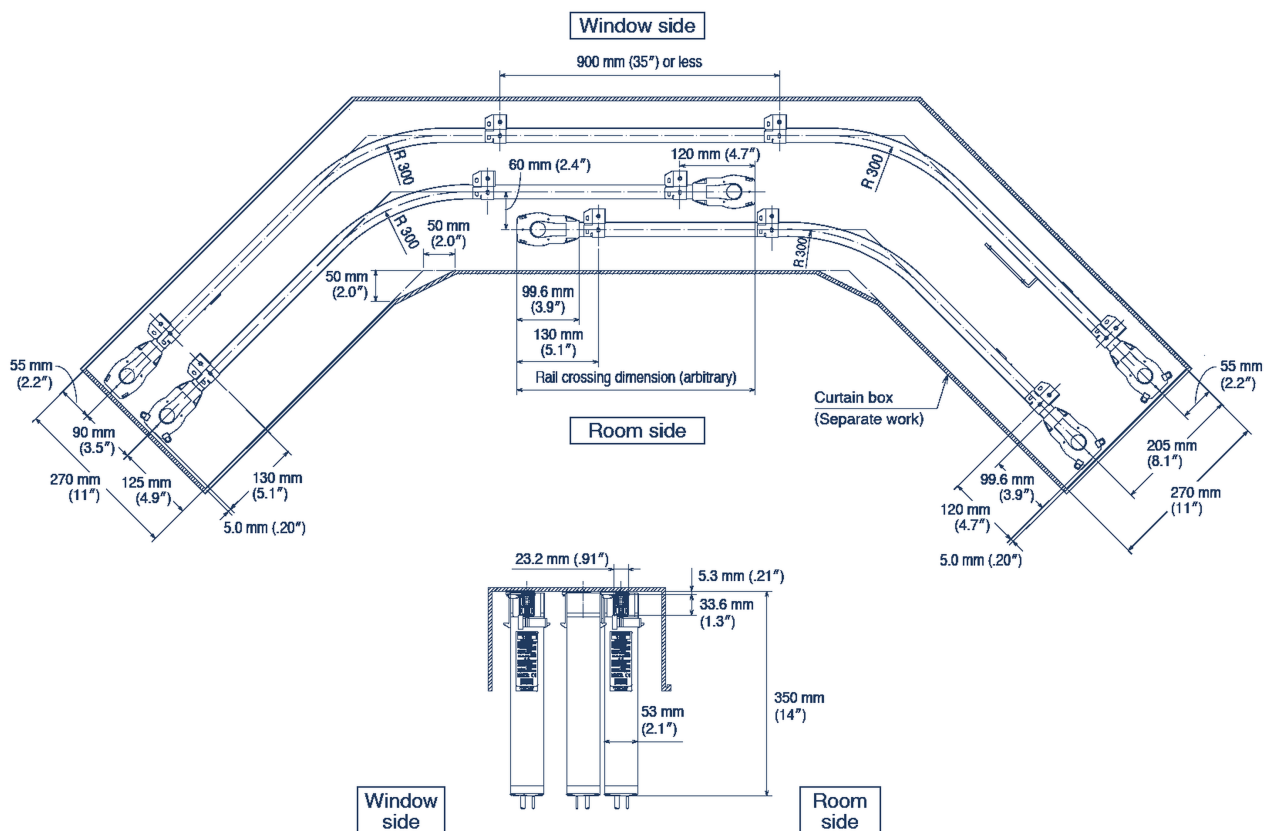


Do not scale this drawing for fabrication. Provide verified project measurements or a template.

Two curves · one-way draw · double rail

Reference layout. Original geometry, dimensions and annotations retained. Confirm suitability for the selected motor and rail.

Two curves one-way draw: ceiling double attachment (Room side: Overlap with two rails, Window side: Master roller)

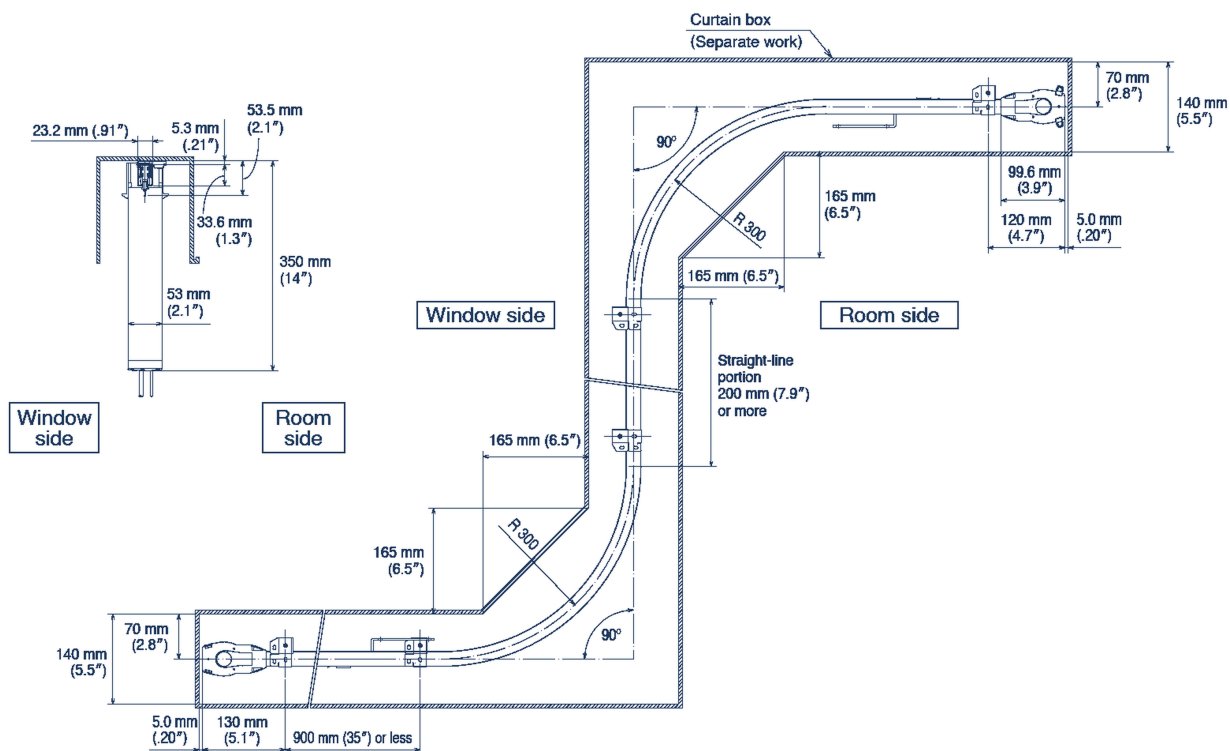


Do not scale this drawing for fabrication. Provide verified project measurements or a template.

S-shaped track · two-way draw · single rail

Reference layout. Original geometry, dimensions and annotations retained. Confirm suitability for the selected motor and rail.

Two curves (S-shaped) two-way draw: ceiling single attachment



Do not scale this drawing for fabrication. Provide verified project measurements or a template.