



Innovative Visual Displays Tailored To Fit Your Needs



rp Enclosure  
Rear Projection Enclosure



PRODUCT SPECIFICATION

Quote: XXX-RPEMMDDYY-X

CAD: RPXXXXXXXX

Item Description

RPE-DIF/OPT-XXX-FRX

RPE – Free Standing Rear Projection Enclosure

DIF/OPT – Diffusion or Optical Screen Choice

XXX – Screen Size Diagonal Image

FRX – rp Frame Selectable

Description:

The *rp Visual Solutions' rpe Enclosure* is a Free Standing Rear Projection Enclosure designed with minimal depth allowing the projector to be out of sight, creating a high resolution quality image. This Single or Double Mirror Bounce *rpe Enclosure* is comprised of 45mm x 45mm Bosch Based Aluminum Extrusion using a 6-Axis alignment projector cradle which allows for the Forward/Back, Left/Right, Elevation, Tilt, Pan & Yaw. The *rpe Enclosure* can have leveling feet with +/- 2" Adjustment and/or casters. The mirror management system uses 94% Reflective First Surface Glass Mirror(s). The screen will be either ACP diffusion or DNP optical in aspect ratio of 4:3, 5:4, or 16:9.



Also included are the latching front doors for service access. Optional Cladding is MDF (Multi-density Fiberboard) in choice of colors or wood laminate. Additionally, rack rails or camera cutouts can be added.

Guidelines:

- The *rpe Enclosure* Frame Structure shall be manufactured by rp Visual Solutions. The *rpe Enclosure* shall be a 100% custom design, freestanding apparatus, fully supported from the ground up according to the custom designed specifications.
- The RPE-DIF/OPT-XXX-FRX will be a \_\_" Diagonal *rpe Enclosure* displaying a \_\_h x \_\_w , \_\_ : \_\_ aspect ratio image. All dimensions are outlined in our "First-off" Feasibility CAD.
- This unit, as quoted, shall be of an open frame design with optional cladding for the front panel.
- The projector mount platform and shall be integrated with \_\_\_\_\_ projector which will incorporate rp Visual Solutions' 6- Axis Image Adjustment System to allow for precise image adjustments and serviceability.



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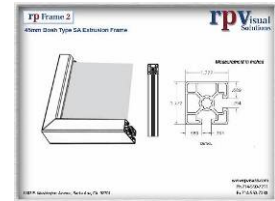
- The image lock-in system ensures precise image platform alignment, which will also be maintained over time.
- Optimized light path trajectory delivers maximum brightness to the viewer/operator.

### Design & Documentation:

- High quality, detailed CAD drawings generated for pre-construction approval.
- Drawings are catalogued by serial number for each unit to allow low-cost refurbishment, upgrades or re-fit.
- Detailed, easy-to-follow assembly instructions included with each unit.
- Future projector model/lens requirements option can be selected & built-in to design considerations.

### Screen & Frame:

- Screen frame will be either rp Screen Can Frame, allowing > 1 mm between images, or the rp Frame 2 Extrusion Frame, which is constructed of 45mm x 45mm Bosch-type extrusion.
- Each Screen will be either ACP diffusion or DNP optical in aspect ratio of 4:3, 5:4, or 16:9.



### Construction:

- Self supporting structure base composed of 45mm x 45mm Bosch Based Aluminum Extrusion.
- EZ-Level feet for precise screen alignment.



- Single or Multi-point FSG (First Surface Mirror) Assembly.
- "Fixbloc & T-bolt" assembling joinery without welded components for ease of installation.
- Laminate MDF cladding in color choices or optional wood veneer choices.



- No special tools required to assemble.



### Ventilation:

- Designed with open construction to allow maximum air circulation and cabling direct to floor.
- Adequate ventilation shall be provided to ensure proper ambient temperature control within the *rpe Enclosure*.



### Projector & Cable Access:

- Optional cable management system available.
- Optional removable latch-panels for projector installation/service/rack access.

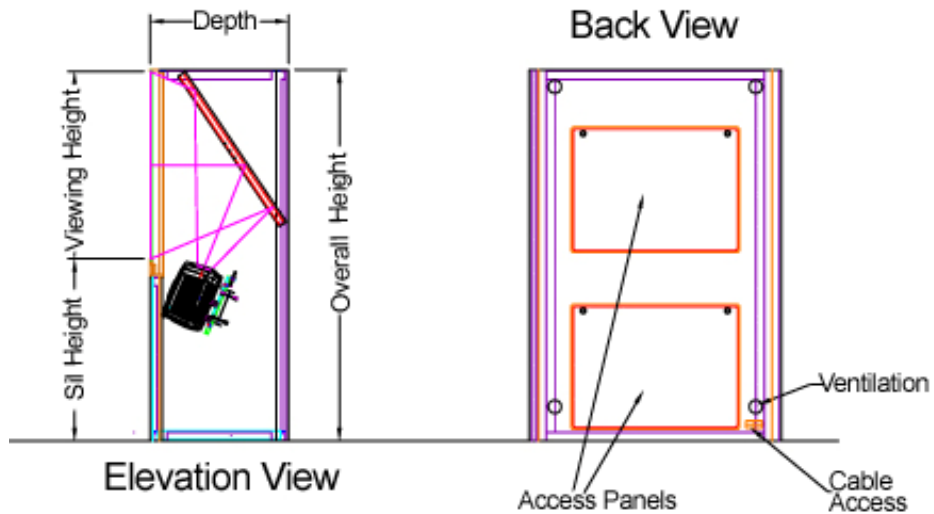




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### Factory Testing & Warranty:

- Each *rpe Enclosure* unit is factory tested with the exact projector specified. This test will ensure continuity of all seams over the entire wall structure. We conduct a documented "Satisfactory Performance" at our factory before any unit is approved for shipment. We invite you to attend in-person or via video-conference so we can show you first-hand how exacting our standards for quality are.
- The rp Visual Solutions' *rpe Enclosure* Factory Warranty covers all parts and labor for one full year from Invoice date in mechanical structure.





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Rev 0.2