

Polycarbonate Roller Shutter

Roller Shutters and Grilles

PART 1 - GENERAL

1.01 SUMMARY

- Section Includes: Manual Aluminum Roller Security Door.
- Related Sections: Motorised Roller Shutters and Grilles, framing detail, plan and elevation layout and other miscellaneous structural or finish work is in the scope of work of other sections.

1.02 SUBMITTALS

- Product Data: Includes published data and specific data prepared for this project.
- Shop Drawings: Include detailed plans, elevations, required clearances and accessories.
- Installation instructions.
- Quality Assurance Requirements:
- Manufacturer qualifications.
- Installer qualifications.
- Certificates.

1.03 QUALITY ASSURANCE

- Manufacturer Qualifications: Minimum of three years experience in the fabrication and installation of Security Doors.
- Installer Qualifications: Authorized representative of the manufacturer.
- Producers Statement stating that materials and finishes comply with specifications on completion.
- Pre-Installation Meeting: Arrange a pre-installation meeting just prior to commencement of construction to establish requirements, completed measurements, health and safety requirements on site and all information required for smooth supply and installation of doors.

1.04 DELIVERY, STORAGE AND HANDLING

- Deliver materials in labeled protective packaging.
- Check for damage upon signing for receipt of door. Follow freight company procedures if damage evident. Refer to Scotty Doors freight procedures.

1.05 WARRANTY

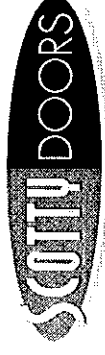
- Limited Warranty: One year from the time of installation for defective materials and workmanship.

PART 2 - PRODUCTS

2.01 MANUFACTURER

Scotty Doors Ltd
6 Atlas Place
Mairangi Bay
Auckland 0632

P O Box 305 041
Triton Plaza, Auckland 0757
www.scottydoors.com email: office@scottydoors.com
Ph: 0800 760 687 Ph: 09 479 4779 Fax: 09 479 4771



2.02 MODELS AND MATERIALS

- Model: Polycarbonate Roller Shutter
- Curtain: Horizontal clear polycarbonate slats with alternating aluminium joining rails @ 120 mm centres. Optional ventilation holes to top and bottom of screen. Door slats fitted with nylon end locks to control lateral movement & reduce noise and friction. Flush pull handles are provided on all manual spring balanced shutters.
- Bottom Bar: Extruded Aluminium Section incorporating a mohair brush strip underneath to prevent damaging the floor or counter top surfaces. Bottom rail is designed to retract flush with ceiling or lintel when door is opened.
- Locking: Two point **double sided deadlocking** for security allows keyed access from either side of door. **Snib thumb turn locking** option is available allowing keyed locking from outside and thumb turn locking inside which meets fire egress code requirements.
- Guides: Extruded Aluminium channel 30mm wide x 50mm deep, fixed conventionally behind door jambs or recessed into wall. Flared at top for smooth entry at screen.
- Barrel: 200mm diameter door drum for minimal deflection of door screen across opening. Torsion springs calculated to balance screen weight for lightweight operation.
- Standard Finish: Satin Silver Anodised Aluminium. Powder coating of a wide range of colours available as an optional extra.
- Maximum recommended size for manual doors is 4500 wide x 4000 high. Contact Scotty Doors for recommendations over this size.
- WEIGHT of door: Width x Height x 8kgs

PART 3 - EXECUTION

3.01 EXAMINATION

- Examine supports and other conditions under which Doors are to be installed.
- Coordinate with responsible entity to correct unsatisfactory conditions and do not proceed with installation until conditions are corrected.

3.02 INSTALLATION

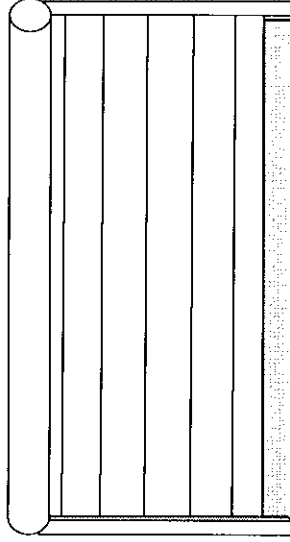
- Follow manufacturer's installation instructions and approved shop drawings.

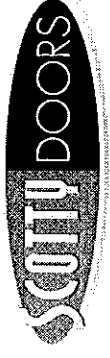
3.03 ADJUSTING AND CLEANING

- Test operation of Door and adjust as necessary to provide smooth and proper operation.
- Clean exposed surfaces using manufacturers recommended cleaning instructions.

DEMONSTRATION

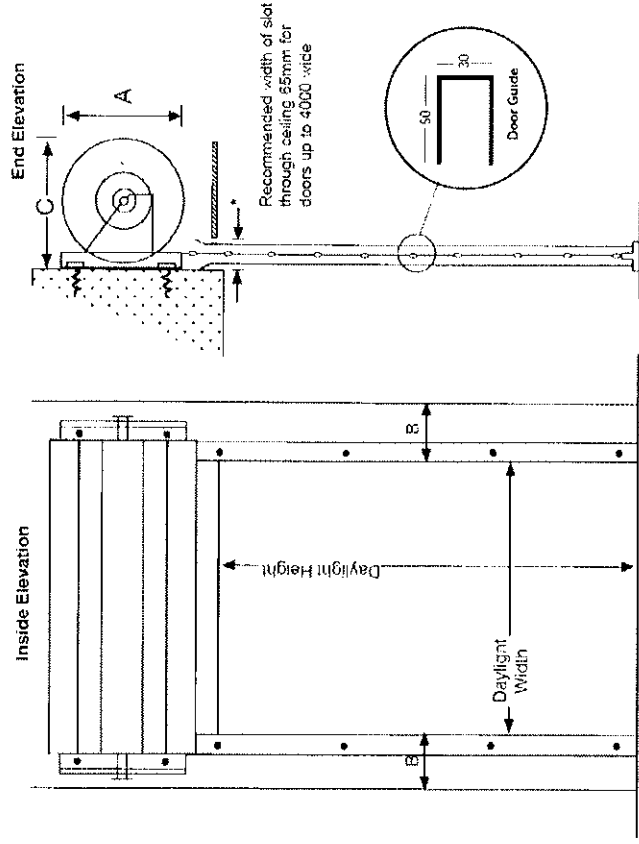
- Instruct Owner's personnel in proper operating and maintenance procedures.





PART 4 - LAYOUT

The following elevation drawings and table define the typical layout size requirements for the Polycarbonate Roller Shutter. Maximum recommended size for manual doors is 3600 wide x 3000 high. Contact Scotty Doors for recommendations over this size, for all other size and dimension requirements please contact Scotty Doors.



	HEADROOM A	SIDEROOM B	PROJECTION C
Doors up to 3000mm spring balanced	400	100	400
Motorised	400	150	650
Mullions - refer to data sheets			

Please visit www.scottydoors.com for more technical information including CAD and PDF drawings, datasheets and brochures.