

**0454P EZI-ROLL OVERHEAD DOORS****Branded worksection**

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**Worksection abstract**

This branded worksection *Template* is applicable to sectional overhead doors, rolling shutters, grilles and garage doors supplied by Ezi-roll Doors Australia. Manual and motorised operation are covered.

**How to use this worksection**

Customise this worksection *Template* for each project. See A guide to NATSPEC worksections ([www.natspec.com.au](http://www.natspec.com.au)) for information on *Template* structure, word styles, and completing a worksection.

**Related material located elsewhere in NATSPEC**

If a listed worksection is not part of your subscription package and you wish to purchase it, contact NATSPEC.

Related material may be found in other worksections. See for example:

- *0455 Door hardware* for manufacturers' non-standard hardware.

**Documenting this and related work**

You may document this and related work as follows:

- If documenting manufacturer's standard and non-standard hardware in *0455 Door hardware*, list the hardware requirements for each overhead door in a door and hardware schedule.
- In bushfire-prone areas, document bushfire protection requirements to AS 3959 (2018) and the NCC. If documenting bushfire shutters here, see AS 3959 (2018) clause 3.7 and *0457 External screens*.

**Specifying ESD**

The following may be specified by including additional text:

- Improved corrosion resistance for low maintenance and to extend door service life, e.g. steel frames with galvanic protection under paint coating, Class I anodic coatings.
- Heavy duty weatherstripping including vinyl or wool pile weatherstrips along jambs, neoprene bulb wiper strips at the front of curtains, and neoprene baffles at the top of coils to improve air penetration resistance.

Refer to NATSPEC TECHreport TR 01 on specifying ESD.

**1 GENERAL**

Ezi-roll Doors Australia is a leading manufacturer of industrial and commercial shutter doors in Australia. Ezi-roll Doors Australia has been manufacturing, supplying and installing doors and door automation since 1974. The company benchmarks its business on providing high quality, safe and innovative industrial door products in a timely and professional manner. Ezi-roll Doors Australia's products include industrial steel rolling shutters, aluminium shutters and grilles, specialty industrial door solutions, and more.

**1.1 RESPONSIBILITIES****General**

Requirement: Provide Ezi-roll sectional overhead doors, rolling shutters and rolling grilles, as documented.

*Documented* is defined in *0171 General requirements* as meaning contained in the contract documents.

**1.2 COMPANY CONTACTS****Ezi-roll Doors Australia technical contacts**

Website: [www.eziroll.com.au](http://www.eziroll.com.au)

**1.3 CROSS REFERENCES****General**

Requirement: Conform to the following:

- 0171 General requirements.

0171 General requirements contains umbrella requirements for all building and services worksections.

List the worksections cross referenced by this worksection. 0171 General requirements references the 018 Common requirements subgroup of worksections. It is not necessary to repeat them here. However, you may also wish to direct the contractor to other worksections where there may be work that is closely associated with this work.

NATSPEC uses generic worksection titles, whether or not there are branded equivalents. If you use a branded worksection, change the cross reference here.

## 1.4 STANDARDS

### General

Garage doors and other large access doors: To AS/NZS 4505 (2012).

Design wind pressure: To AS/NZS 1170.2 (2021).

## 1.5 MANUFACTURER'S DOCUMENTS

### Technical manuals

Website: [www.eziroll.com.au](http://www.eziroll.com.au)

Products: [www.eziroll.com.au/our-products](http://www.eziroll.com.au/our-products)

## 1.6 INTERPRETATION

### Definitions

General: For the purposes of this worksection, the definitions in AS/NZS 4505 (2012) and AS 1905.2 (2005), and the following apply:

See AS/NZS 4505 (2012) for the following definitions:

- Sectional overhead door.
- Rigid overhead door.
- Rolling curtain door.
- Rolling shutter door.

See AS 1905.2 (2005) for the definition of fire-resistant rolling shutters.

- Wicket: Door side-hung on the vertical guide and interlocking with the closed curtain.

Edit the **Definitions** subclause to suit the project or delete if not required. List alphabetically.

## 1.7 SUBMISSIONS

### Operation and maintenance manuals

Requirement: Submit manual to **COMPLETION, Operation and maintenance manuals.**

### Samples

Requirement: Submit samples to **PRODUCTS, GENERAL, Samples.**

### Shop drawings

Ezi-roll Doors Australia has generic shop drawings for all layout options and can supply specific site shop drawings, from construction to as-built, as required.

General: Submit shop drawings showing details of each assembly, component and connection, and information relevant to fabrication, surface treatment and installation.

Motorised overhead doors: Submit shop drawings showing location of motor, wiring, power requirements, location and type of safety devices, location of manual operation switch, and other electronic components.

### Subcontractors

General: Submit names and contact details for Ezi-roll approved suppliers and installers.

For an approved subcontractor list, contact Ezi-roll Doors Australia.

Conditions of tendering may require tenderers to state which approved firm they intend to use, in which case the firm proposed by the successful tenderer will be the approved subcontractor.

Delete if installer/supplier details are not required.

### Warranties

Requirement: Submit warranties to **COMPLETION, Warranties.**

## 1.8 INSPECTION

### Notice

Inspection: Give notice so that inspection may be made of the following:

- Framing or structure to receive tracks and motor.
- Tracks and guides installed before doors or shutters are hung.

Amend to suit the project, adding critical stage inspections required.

Hold points, if required, should be inserted here.

## 2 PRODUCTS

### 2.1 GENERAL

#### Samples

Requirement: Provide 2 samples of each of the following where applicable:

- Sections proposed for frames, louvres and slats.
- Joints, using proposed techniques.
- Finishes to prepared surfaces.
- Colour samples from prefinished production material, (including anodised or powder coated extrusions and sheet) showing the limits of the range of variation, if any, for each component documented.
- Door manufacturer's standard hardware items.

#### Product substitution

Other products: Conform to **SUBSTITUTIONS** in 0171 General requirements.

**SUBSTITUTIONS** in 0171 General requirements sets out the submissions required if the contractor proposes alternative products. Refer also to NATSPEC TECHnote GEN 006 for more information on proprietary specification.

#### Door assembly

Requirement: Provide complete with Ezi-roll operating system, hardware and accessories as documented, necessary for satisfactory performance.

#### Marking and labelling

Garage doors and other large access doors: To AS/NZS 4505 (2012) Section 8.

### 2.2 EZI-ROLL SECTIONAL OVERHEAD DOORS

#### General

Sectional overhead doors are custom-made to fit the openings, in widths up to 6 m and heights up to 3 m. The required overhead clearance varies to suit the style of motor being used. The **Ezi-roll sectional overhead door schedule** provides options for documenting particular types, and non-standard hardware and accessories, if required. Contact Ezi-roll Doors Australia

Requirement: Materials and finishes, as documented.

Bottom panel: Adapted for sloping floors or threshold and fitted with a compressible PVC or neoprene seal strip, as documented.

Side tracks:

- Material: 6 mm roll formed Z275 galvanized steel.
- Reinforcing: If required to carry door loads without distortion, reinforce horizontal track sections with a galvanized rolled steel channel.

Counterbalance springs: Adjustable torsion spring system for counterbalancing the door, connected to the door by cables of galvanized steel multi-strand wire rope, or by an equivalent system.

Operation method: Method of opening and closing the door:

- Manual: Hand lift from inside and outside, by lockable handle attached to the door panel.
- Motorised: Connect the motor to the door through a shock absorbing connecting arm.

Delete if not applicable. Contact Ezi-roll Doors Australia for options including GFA- Elektromaten or Grifco, Single or 3 Phase motors.

**Ezi-roll sectional overhead door range**

Ezi Bar Panel: 1.6 mm aluminium welded framed sectional overhead door threaded with 19 mm aluminium bars through aluminium framing.

A commercial grade aluminium sectional door for undercover car park structures with limited headroom, including 300 mm plus motor in standard lift applications or 190 mm plus motor in rear mount applications. The door provides a maximum of 69% free airflow.

For openings up to 3 m high and up to 6 m wide. Doors over 4.95 m wide supplied with double end stiles.

Ezi Mesh Panel: 1.6 mm welded aluminium framed sectional overhead door comprising 7 mm aluminium mesh with 67 x 63 mm holes.

Ezi Mesh Panel is a commercial grade aluminium sectional door for undercover car park structures with limited headroom, including 300 mm plus motor in standard lift applications or 190 mm plus motor in rear mount applications. The door provides a maximum of 66% free airflow.

For openings up to 3 m high and up to 6 m wide. Doors over 4.95 m wide supplied with double end stiles.

**2.3 EZI-ROLL ALUMINIUM ROLLING SHUTTER DOORS****General**

Bottom rail: Mill finished aluminium extrusion fitted with optional PVC weatherseal.

Counterbalance springs: Steel torsion springs for spring assistance and counterbalancing, to the manufacturer's recommendations, with a high cycle steel spring option as documented.

**Security shutter door range**

Ezi-40 Ali: Rolling shutter door comprising 40 x 1.6 mm interlocking aluminium slats.

Ezi-40 Ali is an aluminium rolling shutter with an interlocking slat curtain manufactured from aluminium extrusion for retail shopfronts, secure parking structures, arcades, sporting complexes, clubs, bars and counter tops.

For openings up to 4 m high & 6.4 m wide up to a maximum of 16 m<sup>2</sup>. 95 x 25 mm vent slots at 70 mm centres can provide a maximum of 33% free air flow per lineal metre of slat.

Ezi-65 Ali: Rolling shutter door comprising 65 x 1.6 mm interlocking aluminium slats, fitted with nylon end caps that reduce friction and noise.

Ezi-65 Ali is an aluminium rolling shutter with an interlocking slat curtain manufactured from 1.6 mm aluminium extrusions for applications such as retail shopfronts, arcades, sporting complexes, clubs, bars and counter tops.

For openings up to 4 m high and 6 m wide up to a maximum of 16 m<sup>2</sup>. 95 x 25 mm vent slots at 70 mm centres can provide a maximum of 22% free air flow per lineal metre of slat.

Ezi-65 Sec: Rolling shutter door comprising 65 x 1.6 mm interlocking aluminium slats.

Ezi-65 Sec is an aluminium rolling shutter with an interlocking slat curtain manufactured from 1.6 mm high density aluminium extrusions for strength and security. Every alternate slat is fitted with a stainless Steel Security clip at either end.

For openings up to 4 m high and up to 6 m wide. 95 x 25 mm vent slots at 70 mm centres can provide a maximum of 22% free air flow per lineal metre of slat.

Ezi-90 Ali: Rolling shutter door comprising 90 x 1.4 mm interlocking aluminium slats, fitted with nylon end caps that reduce friction and noise.

Ezi-90 Ali is an aluminium rolling shutter with an interlocking slat curtain manufactured from 1.4 mm aluminium extrusions for retail spaces, secure parking structures, arcades, sporting complexes, clubs, bars and counter tops.

For openings up to 4.5 m high and 8 m wide. 6.5 mm diameter perforation holes at 9 mm centres can provide a maximum of 26% free air flow per lineal metre of slat.

**Showcase shutter door range**

Ezi-100 Poly: Transparent rolling shutter door comprising 100 mm polycarbonate slats interlocked with 30 mm rigid aluminium sections fitted with moulded end caps.

Ezi-100 Poly is a polycarbonate and aluminium rolling shutter door for shopfronts, arcades, sporting complexes, clubs, bars and counter tops. The transparent curtain is specifically designed with retailers in mind, allowing for continual showcasing and product advertisement when the door is closed.

Each aluminium section is fitted with moulded end caps to reduce friction. Running in 50 x 30 mm extruded guides. For openings up to 4 m high and 6.4 m wide. 95 x 25 mm vent slots at 70 mm centres can provide a maximum of 12% free air flow per lineal metre of slat.

Ezi-100 Crystal: Rolling shutter door comprising a polycarbonate door curtain with polycarbonate extrusions for internal applications.

Ezi-100 Crystal is a polycarbonate rolling shutter door for retail spaces that replicates glass in the shopfront, allowing the showcasing of merchandise when the shop is closed. It can be supplied with slotted curtain slats where ventilation is required. For openings up to 3.5 m high and 3 m wide. Contact Ezi-roll Doors Australia for external applications. 95 x 25 mm vent slots at 70 mm can provide a maximum of 12% free air flow per lineal metre of slat.

## 2.4 EZI-ROLL ALUMINIUM ROLLING GRILLE DOORS

### Security grille door range

Ezi-12 grille: Rolling grille door comprising 12 mm aluminium extrusion tubing at 47 mm centres interconnected with 100 x 10 mm links spaced at 440 mm centres.

Ezi-12 Grille is a rolling grille door manufactured from aluminium extrusion for retail shopfronts, secure parking structures, arcades, sporting complexes, clubs, bars and counter tops. The Roller Grille provides a maximum of 73% free airflow. Each aluminium section is fitted with double links to reduce friction. Running in 50 x 30 mm extruded guides. For openings up to 4 m high and 5 m wide.

Ezi-19 Grille: Rolling grille door comprising 19 mm aluminium extrusion tubing at 75 mm centres interconnected with 35 x 3 mm links spaced at 500 mm centres.

Ezi-19 Grille is a rolling grille door manufactured from aluminium extrusion for retail shopfronts, secure parking structures, arcades, sporting complexes, clubs, bars and counter tops. The Roller Grille provides a maximum of 68% free airflow. Each aluminium section is fitted with nylon plugs to reduce friction. Running in 100 x 38 mm extruded guides. For openings up to 4 m high and 8 m wide.

## 2.5 EZI-ROLL STEEL ROLLING SHUTTER DOORS

### General

Steel slat thickness: 0.8, 0.9, 1.0 or 1.2 mm gauge roll formed galvanized steel for the size, application and wind loading, to the manufacturer's recommendations.

Bottom rail: Mill finished aluminium extrusion with a fitted PVC weatherseal.

Wind locks: Provide wind lock anchors to each slat with 86 x 2.5 mm or 3 mm wind lock guides.

HD wind lock clips installed as required. Contact Ezi-roll Doors Australia.

Drum: Heavy duty steel pipe sized to suit the shutter size and mass and for minimum deflection.

Counterbalance springs: Counterbalance steel spring strips to the manufacturer's recommendations.

Each spring assembly supplied incorporates grease lubricant & bearings.

### Industrial shutter door range

Ezi-115 Steel: Interlocking 115 mm rib profiled steel slat curtain rolling door fitted with a single or 3 phase motor and gearbox, wind lock anchors and guides.

Ezi-115 Steel is an industrial steel rolling shutter door with additional protection against wind damage and intruders through a patented windlock system. 3 mm diameter perforation holes at 5 mm centres can provide a maximum of 22% free air flow per lineal metre of slat, across the slat.

Ezi-115 Shed Series: Interlocking 115 mm rib profiled steel slat curtain rolling door supplied with 240v plug motor with UP/DOWN/STOP and emergency chain hoist.

Ezi-115 Shed Series is an industrial steel rolling shutter door designed to meet the requirements of the pre-fabricated shed market.

## 2.6 EZI-ROLL STEEL ROLLING CURTAIN DOORS

### General

Bottom rail: Mill finished aluminium extrusion with a fitted PVC weatherseal.

Wind locks: Provide wind lock end clips and guides to retain the curtain in wide openings or under extreme wind conditions.

Contact Ezi-roll Doors Australia.

Counterbalance springs: Adjustable torsion spring system for counterbalancing the door.

### Light industrial curtain door range

Ezi-GSA: Light industrial continuous steel curtain rolling door, with a polyglide strip stapled to the curtain edge.

Ezi-GSA is a light industrial rolling door comprising 960 x 0.4 mm steel pressed to form a continuous curtain. Polyglide strips are installed to allow effortless operation and reduce noise.

Series A and AA for openings up to 3 m high and 3.43 m and 5.6 m wide respectively. Series B for openings up to 5m high and 5.1 m wide.

## 2.7 EZI-ROLL ALUMINIUM BI-FOLDING CURTAIN DOORS

### Retail door range

Ezi Accordion: Self-hinging 150 or 300 mm aluminium frame fitted with polycarbonate in-fills.

Ezi Accordion is an aluminium and poly-carbonate bi-folding door that allows retailers to showcase their products while the door is securely locked. A desirable feature of this door is its ability to be discreetly stored at the side of the shopfront opening, in specially designed enclosures.

For openings up to 4.2 m high and unlimited widths.

### Security door range

Ezi-Trellis: A trellis door comprising 25 x 25 mm square aluminium sections with 25 x 6 mm flat bar vertical members and 25 x 6 mm expanding bars.

Ezi-Trellis is a heavy duty aluminium trellis type door for retail shopfronts, arcades, clubs, bars and counter tops with a high grade plastic security system. The Ezi-Trellis is a viable alternative where there is limited or no head room and where ventilation is required.

For openings up to 3.8 m high and unlimited widths.

## 2.8 OPERATION

### General

Operation method: As documented.

### Manual operation

General: Install so that the force required to operate the door manually is safe and effortless.

Manual method: Provide a manual door operating system incorporating the following, as documented:

- Hand stick (for high openings): By a boat hook type pole supplied with the installation.
- Chain: By pulling on a chain passing over a sprocket on the drum, with reduction gears where necessary.

If manual methods are selected in SELECTIONS, delete text here.

### Motorised operation

General: Provide a motorised door operating system incorporating the following:

Contact Ezi-roll Doors Australia for the range of single and 3 phase GFA – Elektromaten or Grifco electric motors available, depending on usage and application. They can be interfaced with external access devices such as remote control transmitters, exit loops, key pads, card readers or similar.

If products are selected in SELECTIONS, delete text here.

- A single or 3 phase electric motor with limit switches, and of adequate capacity to operate the specified door smoothly and without strain.
- Motor type: [complete/delete]

Multiple motor options are available depending on design, usage and customer requirements. Select a.c. or d.c. motor, voltage requirements and other characteristics, or delete if there is no particular preference. D.c. motors are generally considered to be quieter.

Ezi-roll motor suppliers include Grifco, GFA – Elektromaten, Ezi-roll – ECR 600 and Elsamec for aluminium doors.

- Drive type: [complete/delete]

Drive can be manual, direct or indirectly coupled or delete if there is no particular preference. Consider structure-borne sound generated by motor and drive, particularly in multi-unit residential buildings.

- Overload cutout.
- Optional photocell or IR beam safety device.

Generally, delete for single dwelling projects. If products are selected in SELECTIONS, delete text here.

- Optional standard light fixture, automatically switched on when opener is activated, and switched off by timer.

Generally retain for single dwelling applications, and delete for multi-unit residential, commercial and other applications where other area lighting is provided.

- Manual release handle to disengage door from drive mechanism in the event of a power failure.

- Operation by battery-powered radio remote controller, supplied as part of the system.
- Quantity of programmed remote controllers: 2.

Can vary depending on project requirements. Contact Ezi-roll Doors Australia.

- Additional operation by push-button or key switch, located 1500 mm above floor level.

### 3 EXECUTION

#### 3.1 INSTALLATION

##### General

Requirement: Install overhead doors in conformance with Ezi-roll's recommendations and as documented.

##### Preparation

Substrate: Before start of installation, check the alignment of substrates or framing and adjust if required.

Clearances: Check openings accommodate support brackets and door guides with the required clearances.

Assembly: Assemble guide parts, axle parts, driving parts and slats or curtains.

##### Frames, guides and tracks

Requirement: Install frames, guides and tracks as follows:

- Plumb, level, straight, true, and within tolerances and clearances recommended by the manufacturer and including installation points level at guide ends.
- Fixed or anchored to the building structure using mechanical fixings suitable for the substrate, the imposed loads and the door size.

Contact Ezi-roll Doors Australia.

- Isolated from any building loads, including loads caused by structural deflection or shortening.

Consider acoustic isolation for overhead doors in car parks for residential developments and other sensitive locations.

##### Counterbalancing

Requirement: Counterbalance steel springs to Ezi-roll's recommendations.

#### 3.2 COMPLETION

##### Operation

General: Make sure moving parts operate freely and smoothly to Ezi-roll's recommendations, without binding or sticking, at correct tensions or operating forces and that they are lubricated where appropriate.

Safety: Make sure all safety features are operating and all obstacles removed from the door operating area.

Remote control devices: Make sure devices are programmed and operating.

Motor limits: Set.

##### Protection

Temporary coating: On or before the date for practical completion of the works, or before joining up to other surfaces, remove all traces of temporary coatings used for protection.

##### Operation and maintenance manuals

Requirement: Prepare a manual that includes Ezi-roll's published instructions for operation, care and maintenance.

Compliance with this subclause targets the Operations and Maintenance requirement within the Minimum Expectation level of the Verification and Handover credit in Green Star Buildings (2021).

##### Warranties

Requirement: Cover materials and workmanship in the terms of the warranty in the form of interlocking warranties from the manufacturer and the installer.

- Form: Against failure of materials and execution under normal environment and use conditions.
- Period: As offered by the manufacturer and the installer.



For standard cycle use products, Ezi-roll offers 12 month warranties and for high cycle use products, the greater of 10,000 cycles or 6 months.

Use only if warranties extending beyond the defects liability period are available for the particular system. Insert the required warranty period and terms, which should be negotiated beforehand. If the warranty is in the form of separate material and installation warranties, the signatures of both manufacturer and installer are required.

If specifying warranties, include the following:

- Warranty.
- Minimum period.
- Form of warranty.
- Powder coating.
- Hardware.

The form(s) required should be provided as part of the contract documentation.

## 4 SELECTIONS

**Schedules** are a tool to specify properties required for products or systems. If the principal permits documentation of the product or system by proprietary name, some of the properties may be unnecessary and can be deleted. Document the product or system's location or application here and/or on the drawings with a matching project code. Refer to NATSPEC TECHnote GEN 024 for guidance on using and editing schedules.

### 4.1 PRODUCT

#### Ezi-roll sectional overhead door schedule

	SO1	SO2	SO3
Product			
Frequency of use (cycles per year)			
Door frame finish			
Door panel finish			
Top and side weatherseals			
Bottom rail weatherseal			
Hinges			
Counterbalance spring			
Operation			
Additional locking			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Product: Select from Ezi Bar Panel or Ezi Mesh Panel..

Frequency of use: Contact Ezi-roll Doors Australia for high and low cycle use products.

Door frame finish: Select from Mill finish or Powder coated. If powder coated, include colour.

Door curtain finish:

- Ezi Bar Panel: Mill finish. Powder coated option available. If powder coated, include colour.
- Ezi Mesh Panel: Select from Mill finish or Powder coated. If powder coated, include colour.

Top and side weatherseals: e.g. Required, or delete the prompt. Top and side weatherseals are supplied on request.

Bottom rail weatherseal: e.g. Required, or delete the prompt.

Counterbalance spring: Standard spring or High cycle steel spring. Contact Ezi-roll Doors Australia.

Operation: Select from:

- Manual.
- Motorised. Contact Ezi-roll Doors Australia.

Additional locking for manually operated doors: Select from Internal shoot bolt locking or External t-handle locking. Locking not recommended for automatic doors.



**Ezi-roll aluminium rolling shutter door schedule**

	ASO1	ASO2	ASO3
Product			
Frequency of use (cycles per year)			
Door finish			
Bottom rail weatherseal			
Slots			
Perforations			
Counterbalance spring			
Guide system			
Mohair buffers			
Drum			
Operation			
Locking			
Ultimate wind pressure rating			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Product: Select from Ezi-40 Ali, Ezi-65 Ali, Ezi-65 Sec, Ezi-90 Ali, Ezi-100 Poly or Ezi-100 Crystal.

Frequency of use: Contact Ezi-roll Doors Australia for Ezi-roll's high and low cycle use products.

Door finish:

- Ezi-40 Ali, Ezi-65 Ali, Ezi-90 Ali: Select from Clear anodised or Powder coated. If powder coated, include colour.
- Ezi-65 Sec: Clear anodised. Aluminium components can be powder coated as an optional extra.
- Ezi-100 Poly: Select from Clear anodised or powder coated.

Bottom rail weatherseal: e.g. Required, or delete the prompt.

Slots: If required, add polycarbonate backing panel to slots to reduce foreign particle entrance.

- Ezi-40 Ali, Ezi-65 Ali, Ezi-65 Sec, Ezi-100 Poly, Ezi-100 Crystal: e.g. Required, or delete the prompt.
- Ezi-90 Ali: Select from 160 x 60 mm vent slots, providing 46% free air flow per lineal metre of slat, or 600 x 60 mm vent slots, providing 58% free air flow per lineal metre of slat.

Perforations for Ezi-90 Ali: e.g. Required, or delete the prompt.

Counterbalance spring: Contact Ezi-roll Doors Australia. Select from:

- Standard spring.
- Ezi-90 Ali, Ezi-40 Ali: High cycle steel springs. Dependant on the application.

Guide system:

- Ezi-40 Ali, Ezi-65 Ali, Ezi-65 Sec, Ezi-90 Ali, Ezi-100 Poly, Ezi-100 Crystal: Select from Between fix or Behind fix.

Mohair buffers: e.g. Required, or delete the prompt. Guides can accommodate a Mohair felt buffer for quieter operation.

Drum: Spiral wound or spiral welded. Contact Ezi-roll Doors Australia for selection, depending on door size and application.

Sized to suit the door. Contact Ezi-roll Doors Australia.

Operation: Select from:

- Manual: Hand lift or Chain lift:
- Motorised: Direct drive or Chain drive.

Locking: Not recommended for motorised doors.

- Ezi-40 Ali, Ezi-100 Crystal: Centrally mounted lock within bottom rail.
- Ezi-65 Ali, Ezi-65 Sec, Ezi-90 Ali, Ezi-100 Poly: Centrally mounted lock at 900 mm or Centrally mounted lock within bottom rail.

Ultimate wind pressure rating: Ezi-40, Ezi-65 Ali, Ezi-90 Ali: Absolute maximum pressure applies. Contact Ezi-roll Doors Australia.

**Ezi-roll aluminium rolling grille door schedule**

	AGO1	AGO2	AGO3
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	AGO1	AGO2	AGO3
Product			
Frequency of use (cycles per year)			
Door finish			
Bottom rail weatherseal			
Counterbalance spring			
Guide system			
Drum			
Operation			
Locking			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Product: Select from Ezi-12 Grille or Ezi-19 Grille.

Frequency of use: Contact Ezi-roll Doors Australia for high and low cycle use products.

Door finish: Select from Clear anodised or Powder coated. If powder coated, include colour.

Bottom rail weatherseal: e.g. Required, or delete the prompt..

Counterbalance spring: For Ezi-19, select from Standard spring or High cycle steel springs. Contact Ezi-roll Doors Australia.

Guide system: Supplied with Mohair felt buffer for quieter operation.

- Ezi-12 Grille: Between fix or Behind fix.
- Ezi-19 Grille: Between fix or Behind fix.

Drum: Sized to suit the door. Contact Ezi-roll Doors Australia.

Operation: Select from:

Manual: Hand lift or Chain lift.

Motorised: Direct drive or Chain drive.

Locking:

- Ezi-12 Grille: Select from Centrally mounted lock at 900 mm or Centrally mounted lock within bottom rail. Not recommended for motorised doors.
- Ezi-19 Grille: Centrally mounted lock within bottom rail. Not recommended for motorised doors.

#### Ezi-roll steel industrial rolling shutter door schedule

	SIO1	SIO2	SIO3
Product			
Frequency of use (cycles per year)			
Door finish			
Steel gauge size			
Bottom rail weatherseal			
Slots			
Perforations			
Counterbalance spring			
Guide system			
Drum			
Operation			
Wind locks			
Locking			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Product: Select from Ezi-115 Steel, Ezi-115 Shed Series or Ezi-90 S.I.

Frequency of use: Contact Ezi-roll Doors Australia for Ezi-roll's high and low cycle use products.

Door finish:

- Ezi-115 Steel, Ezi-115 Shed Series: Select from Galvanized or Powder coated. If powder coated, include colour.

Steel gauge size: Contact Ezi-roll Doors Australia.

- Ezi-115 Steel: Select from 0.8, 0.9, 1.0 or 1.2 mm to suit size application and wind loads.
- Ezi-115 Shed Series: 0.8 mm.

Bottom rail weatherseal: e.g. Required, or delete the prompt.

Slots: For Ezi-115 Steel, select from:

- Diamond : 80 x 80 mm vent slots at 38 mm apart, providing a maximum of 30% free air flow per lineal metre of slat, across the slat.
- Oval: 25 x 100 mm vent slots at 65 mm centres, providing a maximum of 12.5% free air flow per lineal metre of slat, across the slat.
- Vision: Optional 41 x 100 mm rectangular acrylic inserts are available on request. Slots are spaced 66 mm apart and are not free flowing. Doors may be fully slotted or partially slotted. 25 x 100 mm vent slots at 65 mm centres, providing a maximum of 12.5% free air flow per lineal metre of slat, across the slat.

Perforations for Ezi-115 Steel: e.g. Required, or delete the prompt.

Counterbalance spring: Select from Standard spring or High cycle steel springs. Contact Ezi-roll Doors Australia.

Guide system: For Ezi-115 Steel and Ezi-115 Shed Series, select 2.5 or 3 mm gauge steel, based on door size and wind loading. Contact Ezi-roll Doors Australia.

Fixings: Wall mounted fixings selected to suit the substrate, including welded to steel, bolted to steel, fixed to block work or concrete, and based on door sizes and wind loading. Contact Ezi-roll Doors Australia.

Drum: Sized to suit the door. Contact Ezi-roll Doors Australia.

Operation:

- Ezi-115, Ezi-115 Shed Series: Select from Manual chain hoist drive or Motorised. Contact Ezi-roll Doors Australia.

Wind locks: e.g. Required, or delete the prompt. Select Heavy duty wind locks for high wind resistance if required. Contact Ezi-roll Doors Australia.

Locking: For manually operated doors, select from:

- Internal shoot bolt locking.
- External handle locking.

#### Ezi-roll light industrial rolling curtain door schedule

	LIO1	LIO2	LIO3
Product	Ezi-GSA	Ezi-GSA	Ezi-GSA
Door finish			
Bottom rail weatherseal			
Slots			
Fixing			
Counterbalance spring			
Operation			
Wind locks			
Locking			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Door finish: Select from Zinc or Colorbond.

Bottom rail weatherseal: e.g. Required, or delete the prompt..

Slots: Optional 75 x 20 x 70 mm vent slots at documented spacings.

Fixings: Wall mounted fixings selected to suit the substrate, including welded to steel, bolted to steel, fixed to block work or concrete, and based on door sizes and wind loading. Contact Ezi-roll Doors Australia.

Counterbalance spring: Select from Standard spring or High cycle steel springs. Contact Ezi-roll Doors Australia.

Operation: Manual chain hoist or Motorised press button up/down/stop.

Wind locks: e.g. Required, or delete the prompt. Select Heavy duty wind locks for high wind resistance if required. Contact Ezi-roll Doors Australia.

Locking: For manually operated doors, select from:

- Centrally located locking at waist height.
- Internal shoot bolt locking.
- External handle locking.

#### Ezi-roll aluminium bi-folding curtain door schedule

	ABO1	ABO2	ABO3
Product			
Frame width			
Stacking operation			
In-fill			
Guide system			
Locking			

The codes in the header row of the schedule designate each application or location of the item scheduled. Edit the codes to match those in other contract documents.

Product: Select from Ezi-Accordion or Ezi-Trellis.

Ezi-Accordion:

- Frame width: Select from 150 or 300 mm. Contact Ezi-roll Doors Australia.
- Stacking operation: Select from One-sided or Centre-parted. The bi-folding door is manually operated.
- In-fill: Select from Polycarbonate, Perforated aluminium or Solid aluminium panels. Contact Ezi-roll Doors Australia.

Ezi-Trellis:

- Guide system: Select from Removable surface mounted or Fixed recessed floor track.
- Locking: End stile locking left or right sides.

#### REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS/NZS 1170		Structural design actions
AS/NZS 1170.2	2021	Wind actions
AS 1905		Components for the protection of openings in fire-resistant walls
AS 1905.2	2005	Fire-resistant roller shutters
AS/NZS 4505	2012	Garage doors and other large access doors

The following documents are mentioned only in the *Guidance* text:

AS 3959	2018	Construction of buildings in bushfire-prone areas
GBCA Buildings	2021	Green Star Buildings
NATSPEC GEN 006		Product specifying and substitution
NATSPEC GEN 024		Using NATSPEC selections schedules
NATSPEC TR 01		Specifying ESD