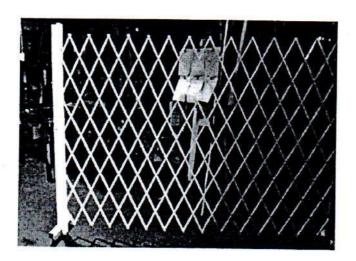


Product Risk Assessment:

The Australian Trellis Door Company SO4-1: Mobile Trackless Barrier



Address

Unit 5/1 Canal Road St Peters NSW 2044

Date of Assessment: 4th March 2013

Assessment completed by:

Ben Knox B.App.Sc (Occupational Therapy) Certified Safety Auditor (RAB/QSA) GDipOHS

Disclaimer: This report has been developed to assist Australian Trellis Door company in managing risks associated with the unit SO4-1 Mobile Trackless Barrier. It provides recommendations only. For specific information persons should refer directly to the relevant legislation.

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SECTION ONE: Introduction

1.1 Introduction

Australian Trellis Door Company Pty Ltd (ATDC) commenced operations in 1985 when it introduced the expanding trellis security door concept to Australia & New Zealand.

Since that time ATDC has remained the market leader in this field, having developed arguably the world's most extensive and diverse range of expanding trellis security doors suitable for securing most residential, commercial and industrial applications.

To assist in managing their concerns and obligations in relation to work health and safety (WHS), Australian Trellis Door company engaged Compliance OH&S to complete a WHS risk assessment of their product the SO4-1 Mobile Trackless Barrier. The purpose of the risk assessment is to assist in identifying safety hazards related to the supply and use of the barrier and to confirm compliance with the relevant legislation. An inspection was completed of the equipment at the St Peters Factory, all documentation related to the barrier was reviewed and the relevant research reviewed. The following report outlines the results of the review and provides recommendations on how to assist in improving the barrier and in complying with the legislation.

The S04-1 system is completely trackless. It is suitable for barrier access for shopping malls, factory units, carparks, loading docks, function centres, warehouses, sporting facilities, crowd control and partitioning.

ATDC have been very proactive in ensuring that their products comply with relevant standards. Several other reviews have been completed on other products and components they provide.

1.2 Limitations of This Report

This report is based on the assessment completed of the SO4-1 Mobile Trackless Barrier assessed at the St Peters factory on the 22nd November 2012. The assessment was completed based on the inspections completed, discussions held with the management and paperwork provided at the time of the assessment.

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1.2 Purpose of the Assessment

- > To review the SO4-1 Mobile Trackless Barrier and identify work health and safety hazards that apply to the supply and use of the product.
- > To identify any "significant" WHS hazards that may be present.
- > To provide a description and risk assessment of the WHS hazards identified.
- To provide recommendations for appropriate actions to control the risk of identified hazards.
- To assess compliance of the product with the relevant standards.
- > To assess the associated documentation and provide recommendations on areas of improvement.

1.3 Process

- Compliance OH&S was contacted to complete a risk assessment of the SO4-1 Mobile Trackless Barrier.
- A site visit was arranged at Unit 5/1 Canal Road St Peters NSW 2044 on the 22nd November 2012.
- Ben Knox attended the site to review the WHS hazards present with various staff members.
- 4. Photos and measurements were taken of the equipment and the manufacturing processes explained.
- 5. ATDC provided Ben Knox copies of documentation that is provided with the barrier and the sticker that is attached to the barrier.
- Copies of legislation, codes of practice and Australian Standards were reviewed to assist in identifying areas that need to be addressed.
- 7. Ben Knox (Safety Auditor) completed a review of the compliance of the barrier with the legislation studied.
- Ben Knox completed a risk assessment on the hazards identified and provided recommendations on areas for improvement in the associated documentation.
- Following this Ben Knox determined possible control measures for the hazards and the following report was compiled.



SECTION THREE: Documentation Review

3.1 Review of document: Instructions for the SO4-1 Mobile Barrier

THE AUSTRALIAN TRELLIS DOOR COMPANY PTY LTD

INSTRUCTION SCHEDULE FOR PROPER / SAFE OPERATION OF SO4-1

The SO4-1 Mobile Trackless Barrier (SO4-1) is to be operated by two (2) men at all times.

TO UNLOCK AND REMOVE SO4-1 FROM INSTALLED POSITION

- Unlock all slamlocks for ease and safety of operation
- Raise all shootbolts from floor position
- Alase all shootbolts from floor position
 One (1) man either end of lattice system push to compress into stack position mind your fingers
 Where provided, put locking arms into locked position
 Where wheel brakes are provided, unlock wheel locks
 One (1) man either end one (1) to push and one (1) to pull to move system into storage location

- PLEASE NOTE: Do not carry the system has wheels for push / pull motion Do not lip over to attempt to push through low height area Do not climb system

 - Do not step on wheelbase Operate at slow speed
- BE MINDFUL OF PUBLIC SAFETY AT ALL TIMES

TO MOVE FROM STORAGE AREA TO INSTALL LOCATION

- A. One (1) man either end of a lattice system One (1) to push and one (1) to pull to move system to
- PLEASE NOTE: Do not carry
 Do not tip over to low height areas
 Do not climb

 - Do not step on wheelbase
 - Operate at slow speed

BE MINDFUL OF PUBLIC SAFETY AT ALL TIMES

- Where provided, release locking arms
 Set up each consecutive SO4-1 in position 1 (one) man in each direction at each end to extend SO4-1 into position
 Lock all stam locks
 Use all shoot bolts to locate system to floor for stability

- F. Activate wheel brakes where provided

A preventative maintenance agreement is recommended whereby ATDC (or an authorised representative) inspects and tests SO4-1 operation, conditions of wheels, shoot bolts and integrity of fixings at least every 6 months.

The Australian Trellis Door Company recommends to its customers that:

- A. All locks provided should be used to separate systems for ease and safety of operation when moving SO4-1 from a fixed position to another location
 B. All shoot boths provided on each "T" base should be used for safety and stability
 C. Two (2) men at all times to operate the barriers
 D. The SO4-1 Barriers may impact on the premises emergency exits. Please consult with necessary authorities in evaluating this risk. ATDC assumes that where required, the customer has obtained the necessary Council, Government, Statutory or Body Corporate permission. The customer hereby indemnities ATDC from any flabilities flowing from failure to obtain such permission, consent and approval.

UNIT 5/1 CANAL ROAD - ST PETERS - NSW 2044 PHONE: 02 9519 0844 FAX: 02 9519 0866 ABN 64 534 998 346 ACN 071 448 845 PAGE 3/3

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SECTION FOUR: Risk Control

4.1 Risk Control Measures

When considering the control measures Australian Trellis Door Company should consider the hierarchy of controls outlined in the WHS Regulation 2001 (the regulation). The regulation (Part 5) states the following:

- For the purposes of this Regulation, an obligation to control a risk to health or safety (in any case in which the elimination of the risk is not reasonably practicable) is an obligation to take the following measures (in the order specified) to minimise the risk to the lowest level reasonably practicable:
 - a. firstly, substituting the hazard giving rise to the risk with a hazard that gives rise to a lesser risk.
 - b. secondly, isolating the hazard from the person put at risk,
 - c. thirdly, minimising the risk by engineering means,
 - d. fourthly, minimising the risk by administrative means (for example, by adopting safe working practices or providing appropriate training, instruction or information),
 - e. fifthly, using personal protective equipment.

The Risk matrix below has been used to rate the hazards that have been identified on site. The ratings should be used as a guide to the required actions for each hazard.

Level	Description of consequence or impact	Consequence	Like	elihood/Prob	ability
			Likely	Moderate	Unlikely
High (1) High level of harm	Potential death, personal disability or major structural failure/damage. Off site environmental discharge/release not contained and significant long-term environmental harm	H (1) High			2
Medium (2) Medium level of harm	Potential temporary disability or minor structural failure/damage. On-site environmental discharge/release contained, minor remediation required, short term environmental harm	M (2) Medium		2	
Low (3) Low level of harm	Incident that has the potential to cause persons to require first aid. On-site environmental discharge/release immediately contained, minor level clean up with no short term environmental harm.	L (3) Low	2		
Level	Likelihood/Probability		William Mark		
Likely	Could happen frequently			New York	
Moderate	Could happen occasionally				
Unlikely	May occur only in exceptional circumstance	S			
Class/Ranking	Description/Requirements	The organization			
1	Will require detailed pre planning. Actions will be recorded on a Safe Work Me	thod Statement			
2	Will require operational planning Actions will be recorded on a Safe Work Me				
3	Will require localised control measures				

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4.2 Plant Risk Assessment:

A detailed risk assessment was completed on the barrier including taking measurements, studying its design and manufacture, observing its use and studying relevant documentation surrounding the barrier.

Below is a summary of the risk assessment outlining the hazards and risks noted and the proposed control measures. Drawings are detailed in the appendix.



				Plant Hazard Risk Assessment		
Organisational Na	Organisational Name: Australian Trellis Door Company	Ilis Door Compar		Revision: One		
Business Addres	Business Address: Unit 5/1 Canal Road St Peters NSW	oad St Peters NS	3W 2044.	Product Name: SO4-1 Mobile Trackless Barrier	Trackless Ba	Irrier
ABN Number: 64 534 998 346	534 998 346			Phone Phone/Fax: (02) 9529 0844	0844	
Year of Manufacture		2012				
Model and Serial Number		30\$-1 Mobile Tra	SO\$-1 Mobile Trackless Barrier Prototype			
Completed By	8	Benjamin Knox co	Benjamin Knox compliance Occupational Health & Safety Pty Ltd	ilth & Safety Pty Ltd		
Date	0	04/03/13				
Plant Hazards	Risks	Risk Rank		Control Measures	Residual Risk	Corrective
Crushing, entanglement shearing, striking	Crush injury, amputation, concussion	2 (Medium)	> 40	Workers to be advised of hazards on information sheet provided at purchase and available on the website. Sticker placed on barrier warning of hazard	(P. 23)	Update sticker and information sheet as outlined in the report
and cutting hazards.	Uncontrolled or unexpected movement of the barrier	2 (Medium)	Stabilising legs installed at regular intervals Locking pins in place at regular intervals Solid metal construction Instructions on sticker and in information sheet on suitable use. Locks at ends to secure to structure where possibl Solid rubber wheels utilised.	stabilising legs installed at regular intervals ocking pins in place at regular intervals solid metal construction nstructions on sticker and in information sheet on utitable use. ocks at ends to secure to structure where possible.	o g	Add statement install on stable level surface to information sheet and sticker. Install brakes on wheels at appropriate positions. Inform installers breaks, pins or both to be used on all jobs. Develop systems for same.
	Parts of the barrier collapsing	ار (برطمیا) (برطمیا)	The barrier is of solid construction Maintenance program suggested for purchaser Barrier has been designed to withstand heavy u	The barrier is of solid construction faintenance program suggested for purchaser sarrier has been designed to withstand heavy use	(mg)	Add statement about obligation for servicing on owner when not serviced by ATDC
Slipping, tripping and falling hazards.	Cuts and abrasions, concussions, fractures	ns, 2 (Medium)	Ni		& (M)	Highlight trip hazard at legs with visual aid such as yellow sticker

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Plant Hazards	Risks	Risk Rank	Control Measures	Residual Risk	Corrective Action
Stability Hazards.	Equipment may be damaged or fail causing injury to people	2 (Medium)	Stabilising legs installed at regular intervals Locking pins in place at regular intervals Solid metal construction Instructions on sticker and in information sheet on suitable use. Locks at ends to secure to structure where possible. Solid rubber wheels utilised.	(100 Mar)	Add statement install on stable level surface to information sheet and sticker. Install brakes on wheels. Inform installers breaks, pins or both to be used on all jobs. Develop systems for same.
Maintenance.	Equipment failure	(God)	Regular maintenance as per instruction sheet.	(((\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	Add statement about obligation for servicing on owner when not serviced by ATDC
Transportation hazards.	Manual Handling Injury	2 (Medium)	Suitable wheels in place for mobilisation Two man use suggested in information sheet and sticker Operators advised to separate sections prior to moving	(က ်) (န	Consider installation of transportation locking bar on barrier Make improvements to documentation as outlined above

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PART FIVE: Summary of Findings

- Compliance OH&S were contacted to review the SO4-1 Mobile Trackless Barrier at Australian Trellis Door Company.
- Assessment was completed on the site at Unit 5/1 Canal Road St Peters NSW 2044
- > This involved a review of the barrier, its application, the manufacturing process and consultation with staff.
- Several hazards were noted as outlined above.
- Research was completed on relevant standards and guidance material for the product.
- Report was completed and sent to all parties.
- Overall the construction has been well thought out and considered.
- > The ATDC were very willing to consider improvements to the barrier.