Operating / Maintenance Manual
Daedalus Park, Site B
Industrial Door

Works Package:	Industrial Sectional Overhead Doors
Contractor Name:	Armashield Ltd
Contractor Address	46 Aston Road Waterlooville Hampshire PO77 XJ
Contractor Telephone No.	02392 498982
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Contractor E-mail address:	info@armashielduk.com
Contractor Contact:	Dale Moggach
Emergency Contact: (out of hours)	Dale Moggach: 02392 498982 (24 Hr Divert)

Project Name:	Daedalus Park, Site B
Project Address:	Daedalus Drive Lee on Solent PO13 9FU

Revision:	1	Date:	18/02/19

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SECTION 1 – DESCRIPTION OF THE WORKS

The scope of the package was to supply, install and commission 16no Rollashield SD Sectional Overhead Door.

The works were carried out during January 2019. They did not include providing an electrical supply to any of the door.

SECTION 2 – SUMMARY OF PRODUCT INSTALLED

	Details
Product Supplied	12no Rollashield SD Sectional Overhead Doors
Product Supplier	Armashield Ltd 02392 498982
Location	Units K-1 to K-7 & J-1 to J-2
Unique Ref No	Unit K-1 - 34323/A/029 Unit K-2 - 34323/A/031 Unit K-3 - 34323/A/033 Unit K-4 - 34323/A/035 Unit K-5 - 34323/A/037 Unit K-6 - 34323/A/039 Unit K-7 - 34323/A/040 Unit J-1 - 34323/A/041 Unit J-2 - 34323/A/042
Colour	BS18 B25
Motor Type	Manual Chain Operation

SECTION 3 – PRODUCT LITERATURE

The following literature is attached:

Product Supplier	Product for which literature is attached	Attachment No.
Armashield Ltd	Rollashield SD Sectional Overhead Doors	3

SECTION 4 – OPERATION & MAINTENANCE INSTRUCTIONS

ROLLASHIELD SD SECTIONAL OVERHEAD DOOR

Operation Instructions

A well adjusted Rollashield SD Door will operate freely and smoothly and will be well balanced throughout its travel. When closed, it should provide a weatherproof seal.

Door is operated by a manual chain operation.

SAFETY INSTRUCTIONS

General

- Keep openings clear at all times.
- Do not operate an obviously damaged door.
- If a door is found to be damaged, lock the door & leave a warning note on it. Ensure that the damaged door is checked by a qualified person before operating.
- Do not lean ladders against door or tracks.
- Stand clear of openings whilst operating doors.
- Open and close the door using only the chains.
- If springs, cables, tracks or door sections are damaged, seek immediate advice. Under no circumstances should inexperienced personnel attempt to adjust or repair springs, cables or any part of the counterbalance assembly.

Maintenance Instructions

GENERAL

The following recommendations are made for maintenance and essential repair work to that full use of the door throughout its economical working lifetime is obtained.

Maintenance Frequency

To ensure safe and reliable operation, regular inspection and maintenance are essential. The frequency of maintenance depends on the frequency of use.

It is advisable to encourage personnel to report any damage or defects noticed during day to day usage.

Prompt repair actions will avoid any unnecessary over stressing of components and can greatly prolong the useful life of the door.

THE FOLLOWING MAINTENANCE MUST BE CARRIED OUT BY TRAINED PERSONNEL ONLY:

- Activities which interfere with any of the components that are under tension must not be undertaken by untrained personnel as they can be extremely dangerous.
- Attention to support brackets and guides.
- Attention to the lifting cables and ferrules for wear & tear and to cable anchor devices.
- Adjustment of the balance of operation by re-tensioning springs by re-tensioning springs or other counterbalance systems.
- Removing or replacing moving parts of the door.

Maintenance - By The User

On a daily basis, the user should ensure that:

- There is no damage to parts of the door. Excessive force is not required to operate the door.
- Any damage or force required to operate the door is reported and action taken in respect of repairs required.
- Components of the door are clean and free of built up dust and dirt.
- Any bottom tracks are free from debris and if not, cleaned out.
- They are fully conversant and comply with the safety instructions.

SERVICE INSTRUCTIONS

It is essential that the door operation remains fully functioning with the operating instructions.
To ensure this happens a documented maintenance regime should be established and maintained by the employer in accordance with Regulations 5 of the Workplace (Health, Safety and Welfare) Regulations 1992.

Failure to do so may result in prosecution in the event of an accident.

Service Intervals

Note: Failure to keep the door regularly maintained will invalidate the warranty.

The following recommendations are for maintenance to ensure that the door remains in full working order throughout its service life. To ensure safe and reliable operation regular in spection and maintenance is essential. The intervals are dependent on the use.

Door Cycles/Day (1 cycle = open or close)	Recommended Maintenance Period
Up to 16	12 Months
Up to 30	6 months
Up to 44	4 months
Over 44	3 months

Doors over 30m square should be serviced at intervals equivalent to 50% of the above cycles.

SERVICING MUST BE CARRIED OUT BY TRAINED PERSONNEL ONLY

A specialist service engineer in accordance with the service work instructions and task sheets should carry out the service and maintenance in accordance with recommended service intervals as above.

For all your Servicing Requirements

Phone 02392498982

or email
sales@armashielduk.com

FAILURE TO COMPLY WITH THIS MANUAL WILL INVALIDATE THE WARRANTY.

SECTION 5 – RESIDUAL RISKS & COSHH DATA

Under normal operation the door does not cause any significant risk to those operating it, providing they are competent in its usage. However the following activities should be carried out by trained personnel only:

- Those which interfere with any of the components that are under tension or which are powered (especially the motor) as they can be extremely dangerous.
- Attention to support brackets and guides.
- Removing, repairing or replacing moving parts of the door.

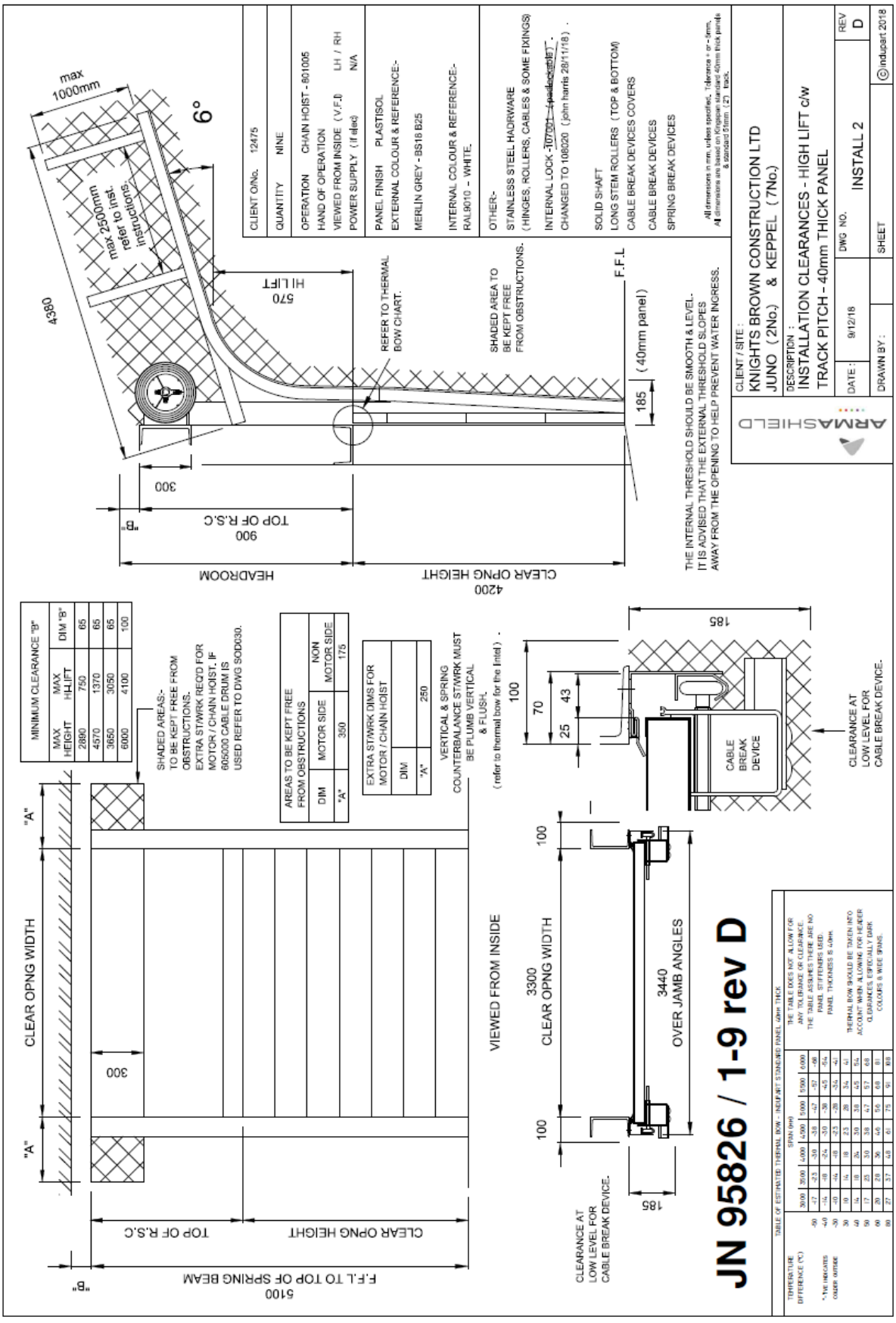
Any activities by untrained personnel which do interfere with any of these will invalidate the door's warranty and may cause injury or damage for which Armashield will not be liable.

To see which maintenance activities can safely be carried out by the user, please refer to Section 4.

There are no products installed that are governed by COSHH regulations in the cleaning or maintenance of them

SECTION 6 – INDEX OF 'AS BUILT' DRAWINGS & SCHEDULES

Drawing / Schedule Number	Rev.	Attachment No.
JN95826/1-9	D	


CLIENT O/No. 12475
QUANTITY NINE
OPERATION CHAIN HOIST - 801005
HAND OF OPERATION
VIEWED FROM INSIDE (V.F.I) LH / RH
POWER SUPPLY (if elec) N/A
PANEL FINISH PLASTISOL
EXTERNAL COLOUR & REFERENCE:-
MERLIN GREY - BS18 B25
INTERNAL COLOUR & REFERENCE:-
RAL9010 - WHITE.
OTHER:-
STAINLESS STEEL HADRWARE
(HINGES, ROLLERS, CABLES & SOME FIXINGS)
INTERNAL LOCK -107001 (padlockable)
CHANGED TO 108020 (john harris 28/11/18).
SOLID SHAFT
LONG STEM ROLLERS (TOP & BOTTOM)
CABLE BREAK DEVICES COVERS
CABLE BREAK DEVICES
SPRING BREAK DEVICES
All dimensions in mm, unless specified. Tolerance + or - 5mm.
All dimensions are based on Kingspan standard 40mm thick panels & standard 51mm (2") track.
CLIENT / SITE :
KNIGHTS BROWN CONSTRUCTION LTD
JUNO (2No.) & KEPPEL (7No.)
DESCRIPTION :
INSTALLATION CLEARANCES - HIGH LIFT c/w
TRACK PITCH - 40mm THICK PANEL
DATE : 9/12/18
DWG NO. INSTALL 2
REV D
DRAWN BY :
SHEET
©indupart 2018
ARMASHIELD
max 1000mm
6°
max 2500mm refer to inst. instructions.
4380
570 HI LIFT
REFER TO THERMAL BOW CHART.
SHADED AREA TO BE KEPT FREE FROM OBSTRUCTIONS.
F.F.L
185 (40mm panel)
300
900 TOP OF R.S.C
"B"
HEADROOM
4200 CLEAR OPNG HEIGHT
THE INTERNAL THRESHOLD SHOULD BE SMOOTH & LEVEL.
IT IS ADVISED THAT THE EXTERNAL THRESHOLD SLOPES
AWAY FROM THE OPENING TO HELP PREVENT WATER INGRESS.
MINIMUM CLEARANCE "B"
MAX HEIGHT | MAX HI-LIFT | DIM "B"
2890 | 750 | 65
4570 | 1370 | 65
3650 | 3050 | 65
6000 | 4100 | 100
SHADED AREAS:-
TO BE KEPT FREE FROM OBSTRUCTIONS.
EXTRA ST/WRK REQ'D FOR MOTOR / CHAIN HOIST. IF 605000 CABLE DRUM IS USED REFER TO DWG SOD030.
AREAS TO BE KEPT FREE FROM OBSTRUCTIONS
DIM | MOTOR SIDE | NON MOTOR SIDE
"A" | 350 | 175
EXTRA ST/WRK DIMS FOR MOTOR / CHAIN HOIST
DIM
"A" | 250
VERTICAL & SPRING COUNTERBALANCE ST/WRK MUST BE PLUMB VERTICAL & FLUSH.
(refer to thermal bow for the Intel).
185
100
70
25
43
CABLE BREAK DEVICE
CLEARANCE AT LOW LEVEL FOR CABLE BREAK DEVICE.
"A"
CLEAR OPNG WIDTH
300
VIEWED FROM INSIDE
3300 CLEAR OPNG WIDTH
3440 OVER JAMB ANGLES
100
185
CLEARANCE AT LOW LEVEL FOR CABLE BREAK DEVICE.
TOP OF R.S.C
CLEAR OPNG HEIGHT
5100 F.F.L TO TOP OF SPRING BEAM
JN 95826 / 1-9 rev D
TABLE OF ESTIMATED THERMAL BOW - INDUPART STANDARD PANEL 40mm THICK
TEMPERATURE DIFFERENCE (°C)
SPAN (mm)
30000 | 35000 | 40000 | 45000 | 50000 | 55000 | 60000
-50 | -17 | -23 | -30 | -38 | -47 | -57 | -68
-40 | -14 | -18 | -24 | -30 | -38 | -45 | -54
-30 | -10 | -14 | -18 | -23 | -28 | -34 | -41
30 | 10 | 14 | 18 | 23 | 28 | 34 | 41
40 | 14 | 18 | 24 | 30 | 38 | 45 | 54
50 | 17 | 23 | 30 | 38 | 47 | 57 | 68
60 | 20 | 28 | 36 | 46 | 56 | 68 | 81
80 | 27 | 37 | 48 | 61 | 75 | 91 | 108
THE TABLE DOES NOT ALLOW FOR ANY TOLERANCE OR CLEARANCE. THE TABLE ASSUMES THERE ARE NO PANEL STIFFENERS USED. PANEL THICKNESS IS 40mm.
THERMAL BOW SHOULD BE TAKEN INTO ACCOUNT WHEN ALLOWING FOR HEADER CLEARANCES, ESPECIALLY DARK COLOURS & WIDE SPANS.

SECTION 7 – WARRANTY & COMMISSIONING CERTIFICATE

Warranty

Site:	**Daedalus Park,**
Location of Doors:	**Juno & Keppell**
Door Type Supplied:	**9no Rollashield SD Sectional Overhead Doors**
Unique Reference:	**Unit K-1 - 34323/A/029** **Unit K-2 - 34323/A/031** **Unit K-3 - 34323/A/033** **Unit K-4 - 34323/A/035** **Unit K-5 - 34323/A/037** **Unit K-6 - 34323/A/039** **Unit K-7 - 34323/A/040** **Unit J-1 - 34323/A/041** **Unit J-2 - 34323/A/042**

Armashield warrants its products to be free from defects in material and workmanship under normal and proper use for the specified period from date of installation.

Installation Completed By:	**Armashield Ltd**
Date Installed:	**November 2018**
Warranty Validity Period:	**1 Year**