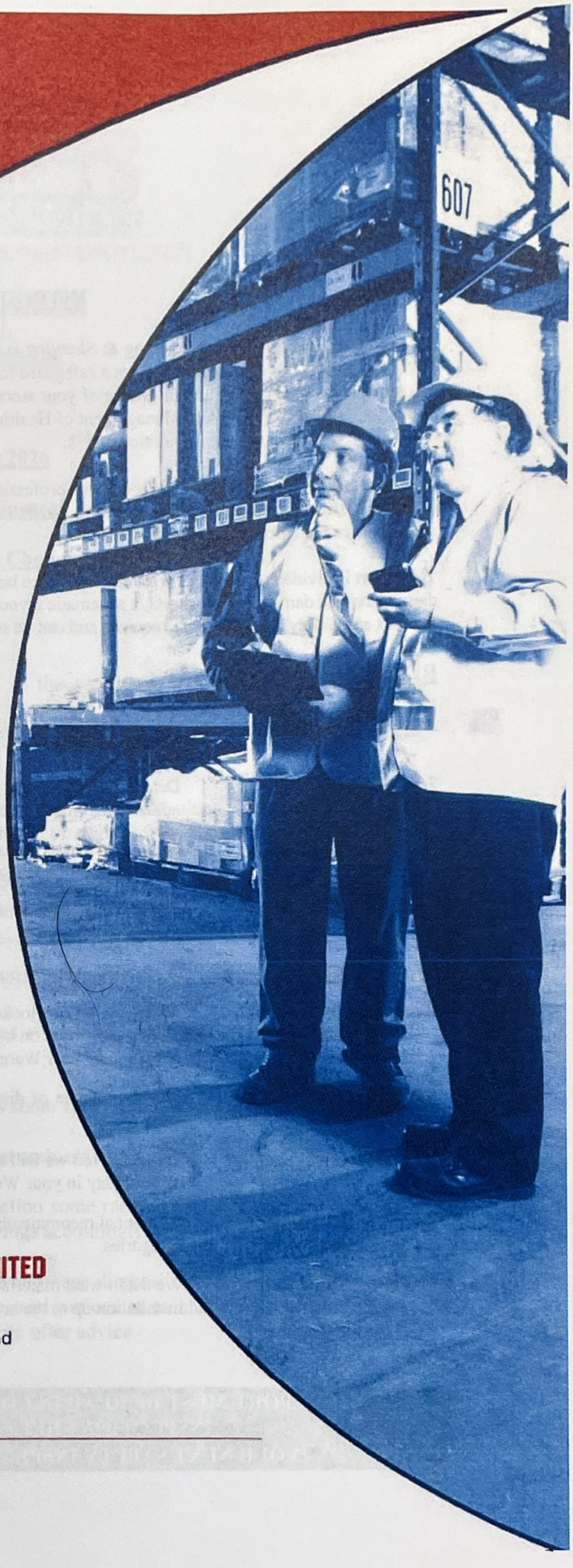
STORAGE EQUIPMENT
SAFETY SERVICE LTD



RACK INSPECTION REPORT FOR:

PARKER HANNIFIN MANUFACTURING LTD

FLINTSHIRE

27th JANUARY 2025

STORAGE EQUIPMENT SAFETY SERVICE LIMITED
The National Warehouse Safety Centre
South Nelson Road • South Nelson Industrial Estate
Cramlington • Northumberland • NE23 1EG • England

Tel: +44 (0) 1670 736 444
Email: sess@sess.co.uk • Website: www.sess.co.uk
Webstore: www.sess-store.com

STORAGE EQUIPMENT SAFETY SERVICE

INTRODUCTION

The Safety Inspection of your Racking & Shelving is a requirement under the Health & Safety at Work Act 1974. In addition the inspection provides a safeguard for your fellow employees, the quality of your product or service and the integrity and maintenance of your storage equipment. The Safety Inspection also fulfills your obligations under the 1974 Act, Management of Health & Safety at Work Regulations 1999 and the Provision and Use of Work Equipment Regulations 1998.

Our inspections are completely independent, professional and unbiased as we do not make, sell, or repair racking or shelving. By following this report, your racking/shelving installation will be kept to a standard acceptable to the enforcing authorities.

The report is divided into various sections as outlined below. To the rear of the report you will find copies of the damage report, damage report sheets, a schematic layout drawing of the area inspected and details of any Load Notices and Safety Locks that are required and can be supplied by Storage Equipment Safety Service.

REPORT CONTENTS

1-0	**Storage Systems:**	A brief description of the installation and the identity of the manufacturer.
2-0	**Guidelines:**	Details the appropriate guidelines and Codes of Practice that we adhere to during our Safety Inspection.
3-0	**Inspection:**	Highlights general comments in accordance with Codes of Practice during the Safety Inspection and advises on what action should be taken.
4-0	**Manufacturers Requirements:**	Highlights general comments in accordance with manufacturers guidance.
5-0	**Standard of Repairs:**	We comment on the quality of the repair work since our previous inspection.
6-0	**Housekeeping:**	An area often overlooked in relation to Health & Safety. In this section we advise on how your housekeeping affects the safe operation of your Warehouse/Store.
7-0	**Load Notices:**	The importance of displaying the correct information and guidance for the user.
8-0	**Operational Safety:**	In this section we will bring to your attention important areas that affect safety in your Warehouse/Store.
9-0	**Recommendations For Consideration:**	Additional recommendations not covered under previous categories.
10-0	**Replacement Materials /Action Required:**	We detail what materials and action is required to bring the installation up to the acceptable standard.

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ENCLOSED INSPECTION SHEETS AND DRAWING(S)
YOUR NEXT SAFETY INSPECTION IS DUE JANUARY 2026

STORAGE EQUIPMENT SAFETY SERVICE

REPORT

Client: Parker Hannifin Manufacturing Ltd **Job Ref: 242373**

Depot: Flintshire **Date: 27th January 2025**

Date of Next Inspection: **January 2026**

Reason for Inspection: **Annual Inspection**

Name of Consultant: **Richard Chapple**

Section 1-0 STORAGE SYSTEMS

1.01 The storage equipment in the warehouse consisted of pallet racking manufactured by Apex, Buckhorn, Dexion, Hi-Lo Manufacturing Co. Ltd., Link 51 and Planned Storage Systems, and some of an unknown manufacture.

1.02 The storage equipment in the warehouse also consisted of longspan hand-loaded shelving manufactured by Barton Handling and Link 51.

1.03 The storage equipment in the warehouse also consisted of shelving in a single/multi-tier configuration manufactured by Dexion, E-Z-Rect, British Standard Shelving, and some of an unknown manufacture.

1.04 The longspan beams were fitted with chipboard as a shelving medium.

1.05 The pallet racking beams were fitted with slatted timber decks at all levels.

1.06 Fork lift trucks operate in some areas in this warehouse.

1.07 The warehouse operates at ambient temperature.

1.08 Since our previous inspection some racking has been removed. We have amended our layout drawings accordingly.

1.09 Details of all relevant equipment dimensions are held on file so that should the client require load notices or to check on the safety of any alteration we will be able to offer advice.

Section 2-0 GUIDELINES

2.01 The paragraphs in section three highlight the main areas of risk detected during the inspection and also other areas that gave cause for concern. For full details of damaged components please refer to the site inspection sheets appended to this report.

2.02 Our methods of inspection are based on the Storage Equipment Manufacturers Association (SEMA) codes of practice. We also make reference to HSE guidance document HSG 76 Warehousing and Storage and BS EN 15635:2008 Steel Static Storage Systems — Application and Maintenance of Storage Equipment. Where our methods extend beyond guideline limits, this is done with due consideration to the codes and under guidance of technically competent persons.

Our damage report provides information on hazards we have identified during the inspection. The hazards are assessed on the likelihood and severity of a component failure, other risks not related to racking damage will be assessed accordingly. Assessment of risk will be based on the equipment's condition, use and current codes and legislation at the time of the inspection.

The categories of risk are:

Green - Periodic monitoring required.

Amber - Damage requiring to be off-loaded within 4 weeks.

Red - Very serious damage requiring immediate off-load.

Recorded damage not repaired or off-loaded within the specified time will be reassessed at subsequent inspections and may be recorded with a warning to indicate to the User that damage to the equipment is not being correctly managed.

Our Inspectors hold SEMA Approved Racking Inspectors (SARI) qualifications to demonstrate they are highly qualified professionals. Our Inspectors are also committed to a programme of on-going Continuous Professional Development to maintain the qualification.

Storage equipment load capacities are governed by the configuration of the components of the structure. Should changes to the configuration or components occur, or the loadings increase, expert advice must be sought prior to effecting the changes.

Under Health & Safety Legislation, installations which are newly built or relocated must be inspected prior to use by a competent person.

2.03 All relevant statutory provisions were adhered to in the assessment and guidance given in this report. In particular but not exclusively:

- The Health and Safety at Work Act 1974

- The Management of Health and Safety at Work Regulations 1999
- The Provision and Use of Work Equipment Regulations 1998
- The Workplace (Health, Safety and Welfare) Regulations 1992

2.04 When carrying out safety inspections of work equipment it is essential that those carrying out the inspection are competent to do so and have sufficient indemnity to support their advice. Competence is defined as having sufficient experience and knowledge in the type of work being undertaken. The inspection of racking should be carried out by a technically competent person, fully experienced in the identification and categorisation of racking damage. The knowledge and experience of the inspector can be demonstrated by them having attained a SEMA Approved Rack Inspectors qualification and being able to produce evidence of this.

2.05 **"Minor repairs to normal racking structures, where damaged components are to be replaced like for like, should be undertaken by a competent person who has been trained in minor racking maintenance."**

<u>When contracting out repairs the contract should state:</u>

"All repairs should be in accordance with the SEMA–Codes of Practice and the manufacturers design and installation standards."

This should give you some redress against the repairer if it is subsequently found that these standards have not been complied with.

"The installation and dismantling of racking, and rack repairs to complex structures should be carried out by qualified installers trained under the Storage Equipment Installers Registration Scheme"(SEIRS)

SEIRS is a safety initiative of SEMA, to raise standards of health and safety in the industry and came about further to discussions with the Health and Safety Executive who are keen for the industry to regulate itself and adopt a pro-active approach.

SEIRS is unique in that it is the only national program for installers, which addresses the health, and safety needs of the industry to constitute a storage industry 'safety passport'.

As the name implies SEIRS includes a national register of storage equipment installers together with their level of qualification. The validity of an installer's ID card can be verified by contacting SEMA.

To ensure a safe structure all Amber and Red Risk Categories should be implemented within their prescribed time limits."

2.06 As standard practice damaged components should be replaced like for like unless a non-conforming repair has been identified or we have recommended a specific change.

Where we have proposed a component should be repaired, the repair should be carried out in accordance with any recommendations we have made in the report. Any recommendations are based on many years' experience in the industry and after consultation with manufacturers. They are intended to be of benefit to you in terms of increased factors of safety and/or economy in either the short or long term.

Repairers sometimes unwittingly carry out repairs that make the equipment more dangerous than it was prior to the repair being effected. On subsequent inspections such components would almost certainly be categorised as a red risk.

To ensure a safe structure all Amber and Red Risk Categories should be implemented within their prescribed time limits.

Section 3-0 INSPECTION

3.01

A copy of our damage report sheet and copies of site inspection sheets were emailed to site by our Inspector. Damaged components should be treated according to the risk category designated on the inspection sheets. See section 2-0 above.

To reduce the loading on damaged frames, each bay adjacent to the frame must be completely off-loaded. Where additional locations require off-loading due to the dependence of the whole structure to individual components, these have been indicated on the inspection sheets and/or in the safety report.

3.02

The inspection took place from floor level. In some instances the complete frame (in particular the rear upright) could not be inspected due to the loads being placed tightly against the frame, therefore impairing visibility. Rear beams, where visible, were inspected.

3.03

One upright was found to be damaged and should be replaced as indicated. Under no circumstances should any attempt be made to repair an upright.

3.04

Rust is evident in some instances. Whilst at this stage this is only superficial, in the longer term this could detract from the performance of components. If the rusting is due to the conditions in the warehouse, then in the longer term, the equipment should be replaced with a galvanised system. Rusting is often caused by equipment being stored outside without protection from the elements.

If beams are stored in such conditions, water can enter the section through the seams of the interlocking 'C' sections. In this case deterioration can take place internally.

3.05

Some floor fixed column guard fixings were loose. Impacts from mechanical handling equipment can be transferred from the top edge of the loose guard into the upright face. Loose column guards offer limited protection and commonly contribute to racking damage.

Unless the nuts on the fixings are tightened, the fixings will wear away the host material to the point where the situation cannot be rectified. In this case the fixing will have to be re-positioned and may entail re-drilling the column guard.

3.06 The general condition of the undamaged equipment was very good.

Section 4-0 MANUFACTURERS' REQUIREMENTS

4.01 Some of the frames are incorrectly orientated front to back. This, in itself, does not affect the load carrying capacity of the frame; however, some manufacturers are specific in their installation instruction as to how their frames should be orientated. The reason for one way or the other is either to increase resistance to damage or increase stability in the case of a potential collapse. What is critical is that, in double entry racks where stability is achieved by the use of frame spacers and peripheral floor fixing, the frames should be a mirror image of each other. We recommend that the frames are correctly orientated as the opportunity arises.

4.02 All Dexion splices under service load should be fitted with the correct amount of bolts to ensure the integrity of the join. The correct amount of bolts specified by Dexion is five bolts per splice. Any splices falling outside this criterion should be adjusted accordingly.

4.03 Link 51 have changed their beam specification since the installation of the storage equipment in use. This new beam type has a flat beam face and when compared with an older type beam of similar dimension its load capacity can be significantly less. We recommend that your repairers be notified that where exact replacements cannot be made that components of at least the load specification of the original components be supplied. If this cannot be achieved then safe working load data will need to be re-calculated and displayed.

Section 5-0 STANDARD OF REPAIRS

5.01 Following our initial safety inspection, it is our policy on subsequent inspections to check that repairs have been undertaken. Our report will advise if repairs have or have not been undertaken. If necessary, we will comment on the standard of repairs.

5.02 The current safety inspection indicates that not all repairs had been undertaken. If some repairs were not carried out due to in-house decisions, may we remind you that all damaged components recorded as requiring action have a reduced factor of safety and could therefore fail, the consequences of which could prove very serious and expensive.

5.03 It is always advisable, if you currently do not do so, that once your designated rack maintenance team states that they have completed the repairs to your racking as highlighted in this report that you instruct them to accompany you and for them to indicate what work has been carried out. This can be done by checking all repairs against the SESS damage repair sheets before signing the repairers/installers repair completion certificate.

In some instances, clients have been misled and believe that all the hazards identified in this inspection have been rectified when in fact they have not. They have unwittingly been placed in a liable situation should the uncertified hazards later contribute to an accident or incident. Please be advised.

Section 6-0 HOUSEKEEPING

6.01 The standard of housekeeping was excellent.

Section 7-0 LOAD NOTICES

7.01 Load notices were displayed on the equipment. There was no evidence to indicate that the data shown does not conform to the manufacturer's design.

7.02 In addition to the above, load notices have been supplied by SESS Ltd and have been fitted to the equipment at the recommended locations.

Section 8-0 OPERATIONAL SAFETY

8.01 A preventative maintenance programme should be implemented and your staff be advised not to put damaged pallets into the system. All damaged pallets should be placed in a quarantine area until repaired.

8.02 Although hand-loaded equipment need not be fixed down, provided it meets stability requirements, where mechanical handling equipment accesses adjacent aisles, the equipment should be fixed down. Otherwise uprights could be displaced by impact loads and could lead to a collapse.

8.03 In a number of locations in the warehouse, open section beams have been installed. It should be noted that these beams have a significantly reduced load rating compared with the box section beams. Good practice would be not to mix beams of differing section and size.

Section 9-0 RECOMMENDATIONS FOR CONSIDERATION

9.01 It is recommended that all staff should be encouraged to report all misalignment, excessive movement or damage of racking immediately it is noticed so that appropriate action can be taken to ensure their safety and the safety of others.

9.02 It is recommended that a weekly visual inspection of the storage equipment be undertaken from ground level. The inspection should identify, and act upon, any damage. The inspection should be carried out weekly, although the frequency may be varied to suit particular operating conditions. The inspection should be carried out by a suitably trained individual.

9.03 It is recommended that appropriate training should be provided for internal inspection staff to ensure a proper level of competence and understanding in the duties involved in inspecting the racking and shelving in accordance with the SEMA codes of practice. The name of any such persons should be publicised to the warehouse staff.

Section 10-0 REPLACEMENT MATERIALS AND ACTION REQUIRED

10.01 The attached list of components is for your guidance only. The quantities and dimension quoted are approximate. We strongly recommend that your repairer be instructed to check all quantities and dimensions.

Should a third party be instructed to, or of their own volition, modify the specifications of existing components, or offer alternative advice as to the integrity of the components, then the person issuing the instruction or modifying the specifications will be deemed to have acted as a competent person and as such will be ultimately responsible for such actions.

10.02 The equipment of Barton Handling manufacture is now believed to be obsolete. This will obviously create difficulties. It may be possible to obtain such equipment second-hand. However, this is not a course of action we would recommend. Used equipment will not be guaranteed by the original manufacturer unless the material's previous history is known. Thus great care must be exercised when selecting such equipment. We would of course be pleased to inspect such equipment on your behalf.

A course of action we would recommend is to remove sufficient material from your existing equipment to make good damaged components. New equipment should be purchased as necessary.

10.03 Replacement components for the equipment identified as being manufactured by Apex are now manufactured by LINPAC Storage Systems Ltd. However, LINPAC only manufacture parts which would be compatible with metric Apex racking.

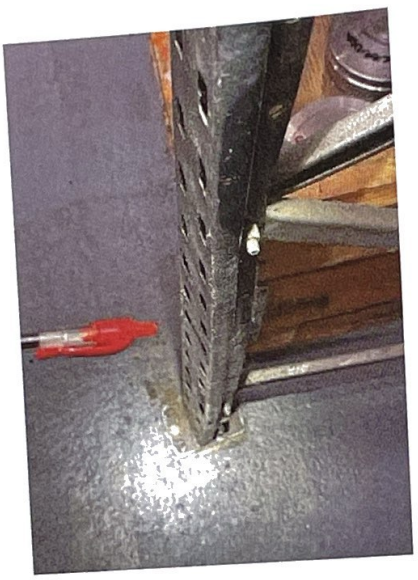
REPORT PHOTOS

CLIENT: Parker Hannifin Manufacturing Ltd

DEPOT: Flintshire

JOB REF: 242373

DATE: 27th January 2025



RED RISK damaged upright

STORAGE EQUIPMENT SAFETY SERVICE
THE NATIONAL WAREHOUSE SAFETY CENTRE
SOUTH NELSON ROAD
SOUTH NELSON IND. EST
CRAMLINGTON, NORTHUMBERLAND, NE23 1EG
TEL: 01670 736444 - FAX. 01670 739903

CLIENT: Parker Hannifin Manufacturing Ltd
DEPOT: Parker Hannifin Manufacturing Ltd
Glendale Ave, Sandycroft Ind Est, Deeside
Flintshire, Clwyd, CH5 2QP
SITE: Flintshire

DATE OF INSPECTION: 27/01/2025
JOB REFERENCE: 242373
ORDER NO: 72340919
INSPECTOR: Richard Chapple (SARI 0213)

COMPONENT & LABOUR LIST

SESS Job No.: 242373

Audit Date: 27/01/2025

Red - [Immediate Off-Load/Make Safe]

1 x Link 51 Series 85

Replace	1	Upright & Base Plate x 4650

HAS = Height Above Splice

STORAGE EQUIPMENT SAFETY SERVICE
THE NATIONAL WAREHOUSE SAFETY CENTRE
SOUTH NELSON ROAD
SOUTH NELSON IND EST
CRAMLINGTON, NORTHUMBERLAND, NE23 1EG
TEL: 01670 736444 - FAX: 01670 739903

CLIENT: Parker Hannifin Manufacturing Ltd
DEPOT: Parker Hannifin Manufacturing Ltd
Glendale Ave, Sandycroft Ind Est, Deeside
Flintshire, Clwyd, CH5 2QP
SITE: Flintshire

DATE OF INSPECTION: 27/01/2025 09:00
JOB REFERENCE: 242373
ORDER NO: 72340919
INSPECTOR: Richard Chapple (SARI 0213)

1:45

DAMAGE REPORT/COMPLETION CERTIFICATE

TO IGNORE THIS REPORT COULD RESULT IN A COLLAPSE OF THE STORAGE EQUIPMENT

Damaged components should be treated as per the risk category designated on the inspection sheets

Components in risk categories Red/Amber have damage which is in excess of that permitted within SEMA and British Standard Euronorm BS EN 15635:2008/ EN15635:2008 Steel Static Storage Systems - Application and maintenance of storage equipment Codes of Practice and Guidelines.

To make the structure safe and to ensure the safety of your employees the following action should be implemented:

R **RED - [UNSAFE CONDITION ACTION REQUIRED, OFF-LOAD/MAKE SAFE].**
A **AMBER - [UNSAFE CONDITION ACTION REQUIRED WITHIN TIME INDICATED ON THE FOLLOWING INSPECTION SHEETS].**
G **GREEN - [SAFE CONDITION PERIODIC MONITORING REQUIRED].**

Signed for SESS: 

Name: Richard Chapple (SARI 0213)
Date: **27/01/2025 10:42**

Client Acceptance

I confirm that the SAFETY INSPECTION has been completed in full. I also confirm that I have received a copy of the report and have been briefed on the findings.

Signed By: 

Name: Mr Kevin Davies
Position: Site Operations
Date: **27/01/2025 10:42**

PLEASE NOTE: THIS REPORT SHOULD ALWAYS BE VIEWED OR PHOTOCOPIED IN COLOUR

SESS Job No.: 242373

Audit Date: 27/01/2025

Red - [Immediate Off-Load/Make Safe]

Manufacturer: *Link 51 Series 85*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
06-Repairs-N	01/02	N/A	Bolted	Upright & Base Plate	Front	Damaged & Twisted	Replace	1	-

Green - [Periodic monitoring required]

Manufacturer: *Apex*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
04-Coolers-Y	(Beg/01	2	Bolted	Bracing Diagonal	N/A	Damaged	Monitor	1	-
04-Coolers-Y	01/02	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-
05-Integral-Q	(Beg/02	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-
05-Integral-Q	02-	3	Bolted	Beam	Front	Damaged	Monitor	1	-
05-Integral-Q	02/03	N/A	Bolted	Upright Post	Front	Slot Damage	Monitor	1	-
05-Integral-Q	03-	3	Bolted	Beam	Front	Seam Parted	Monitor	1	-
05-Integral-Q	03/04	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-
05-Integral-Q	03/04	N/A	Bolted	Upright Post	Front	Slot Damage	Monitor	1	-

Manufacturer: *Barton Handling*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
05-Integral-W	04-	2	Clipped	Shelves	N/A	Damaged	Monitor	1	-
05-Integral-W	25-	2	Clipped	Shelves	N/A	Damaged	Monitor	1	-
05-Integral-W	27-	2	Clipped	Shelves	N/A	Damaged	Monitor	1	-

Manufacturer: *British Standard Shelving*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
03-Pistons-I	(ALL/	N/A	Bolted	No Damage Recorded	N/A			1	-

Manufacturer: *BSS*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
05-Integral-X	(ALL/	N/A	Bolted	Observations	N/A	-	-	1	-

Rack not plumb due to floor still fit for use - monitor

Green - [Periodic monitoring required]

Manufacturer: *Buckhorn*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
01-Despatch-F	(ALL/	N/A	Bolted	Bracing	N/A	Irregular	Monitor	1	-
01-Despatch-F	(Beg/A	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-
01-Despatch-F	(Beg/A	N/A	Bolted	Load Notice	N/A	Damaged	Monitor	1	-
01-Despatch-F	(Beg/A	N/A	Bolted	Upright & Base Plate	Rear	Damaged & Twisted	Monitor	1	-
01-Despatch-F	A/B	N/A	Bolted	Upright Post	Both	Damaged	Monitor	2	-
01-Despatch-F	B/End)	N/A	Bolted	Upright & Base Plate	Both	Damaged & Twisted	Monitor	2	-
04-Coolers-Z	(ALL/	N/A	Bolted	Observations	Both	-	-	6	-

Floor fixing bolts showing approx. 70mm above nut

04-Coolers-Z	01/02	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-
05-Integral-S	(ALL/	N/A	Bolted	Frame	N/A	Incorrect Orientation	Monitor	2	-
05-Integral-S	02/03	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-
05-Integral-S	03/End)	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-
05-Integral-S	03/End)	N/A	Bolted	Floor Fixing	Front	Damaged	Monitor	1	-
06-Repairs-P	(Beg/01	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-

SESS Job No.: 242373

Green - [Periodic monitoring required]

Audit Date: 27/01/2025

Manufacturer: *Dexion*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
01-Desptch-F1	(Beg/A	N/A	Bolted	Upright & Base Plate	Rear	Twisted	Monitor	1	-
01-Desptch-F1	(Beg/A	N/A	Bolted	Load Notice	N/A	Damaged	Monitor	1	-
02-W/A-L1	(ALL/	N/A	Bolted	Complete Rack	N/A	Rusted	Monitor	1	-
02-W/A-L2	(Beg/01	N/A	Bolted	Upright Post	Rear	Damaged	Monitor	1	-
02-W/A-L2	01/02	N/A	Bolted	Upright Post	Both	Damaged	Monitor	2	-
02-W/A-L2	02/03	N/A	Bolted	Upright & Base Plate	Rear	Damaged	Monitor	1	-
02-W/A-L2	03/End)	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-
02-W/A-L2	03/End)	2	Bolted	Bracing Diagonal	N/A	Damaged	Monitor	1	-
03-Pistons-K	(ALL/	N/A	Bolted	No Damage Recorded	N/A			1	-
04-Coolers-R	(Beg/08	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-

Manufacturer: *Dexion Impex*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
02-Stores-C	(ALL/	N/A	Bolted	No Damage Recorded	N/A			1	-
05-Integral-U	(ALL/	N/A	Clipped	No Damage Recorded	N/A			1	-

Manufacturer: *E-Z RECT*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
02-Stores-AA	(ALL/	N/A	Clipped	No Damage Recorded	N/A			1	-
06-Repairs-AB	(ALL/	N/A	Clipped	No Damage Recorded	N/A			1	-

Green - [Periodic monitoring required]

Manufacturer: *Hi-Lo*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
05-Integral-T	(ALL/	N/A	Welded	No Damage Recorded	N/A			1	-

Manufacturer: *Link 51 Series 85*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
06-Repairs-N	(Beg/01	1	Bolted	Bracing Diagonal	N/A	Damaged	Monitor	1	-
06-Repairs-N	(Beg/01	N/A	Bolted	Column Guard	Front	Damaged	Monitor	1	-
06-Repairs-N	(Beg/01	N/A	Bolted	Upright & Base Plate	Rear	Twisted	Monitor	1	-
06-Repairs-N	01-	2-3	Bolted	Beam	Front	Damaged	Monitor	2	-
06-Repairs-N	02-	3	Bolted	Beam	Front	Damaged	Monitor	1	-
06-Repairs-N	02/03	N/A	Bolted	Base Plate	Front	Twisted	Monitor	1	-
06-Repairs-N	02/03	N/A	Bolted	Upright Post	Front	Slot Damage	Monitor	1	-
4th slot from base									
06-Repairs-N	04-	2	Bolted	Beam	Front	Damaged	Monitor	1	-
06-Repairs-N	04/05	N/A	Bolted	Upright & Base Plate	Both	Damaged & Twisted	Monitor	2	-
06-Repairs-N	05-	3-4	Bolted	Beam	Front	Damaged	Monitor	2	-
06-Repairs-N	05/06	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-
06-Repairs-N	06-	3	Bolted	Beam	Front	Damaged	Monitor	1	-

Audit Date: 27/01/2025

Green - [Periodic monitoring required]

Manufacturer: *Link 51 Stockrax*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
03-Pistons-J	(ALL/	N/A	Clipped	No Damage Recorded	N/A			1	-

Manufacturer: *Link Longspan*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
02-Stores-B	(ALL/	N/A	Bolted	Floor Fixing	Both	Missing	Monitor	2	-
Hand loaded only, acceptable under current use									
02-Stores-B	01/End)	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-
02-Stores-B	11/End)	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-

Green - [Periodic monitoring required]

Manufacturer: *Planned Storage Systems*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
02-Stores-G	(ALL/	N/A	Bolted	Observations	Front	-	-	1	-
*Bays 4-6 have had solid timber decks with 50*50 stop rail fitted along with roller beds, hand loaded and fit for purpose*									
03-Pistons-H	(ALL/	N/A	Bolted	Observations	Rear	-	-	7	-
Back stop beams fitted, extra care should be taken when loading these levels									
03-Pistons-H	(Beg/A	2	Bolted	Bracing Diagonal	N/A	Damaged	Monitor	1	-
03-Pistons-H	(Beg/A	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-
03-Pistons-H	(Beg/D	N/A	Bolted	Upright & Base Plate	Rear	Twisted	Monitor	1	-
03-Pistons-H	C-	3	Bolted	Beam	Front	Damaged	Monitor	1	-
07-Fab shop-M	(Beg/01	N/A	Bolted	Load Notice	N/A	Damaged	Monitor	1	-
07-Fab shop-M	01-	4	Bolted	Beam	Front	Damaged	Monitor	1	-

SESS Job No.: 242373

Audit Date: 27/01/2025

Green - [Periodic monitoring required]

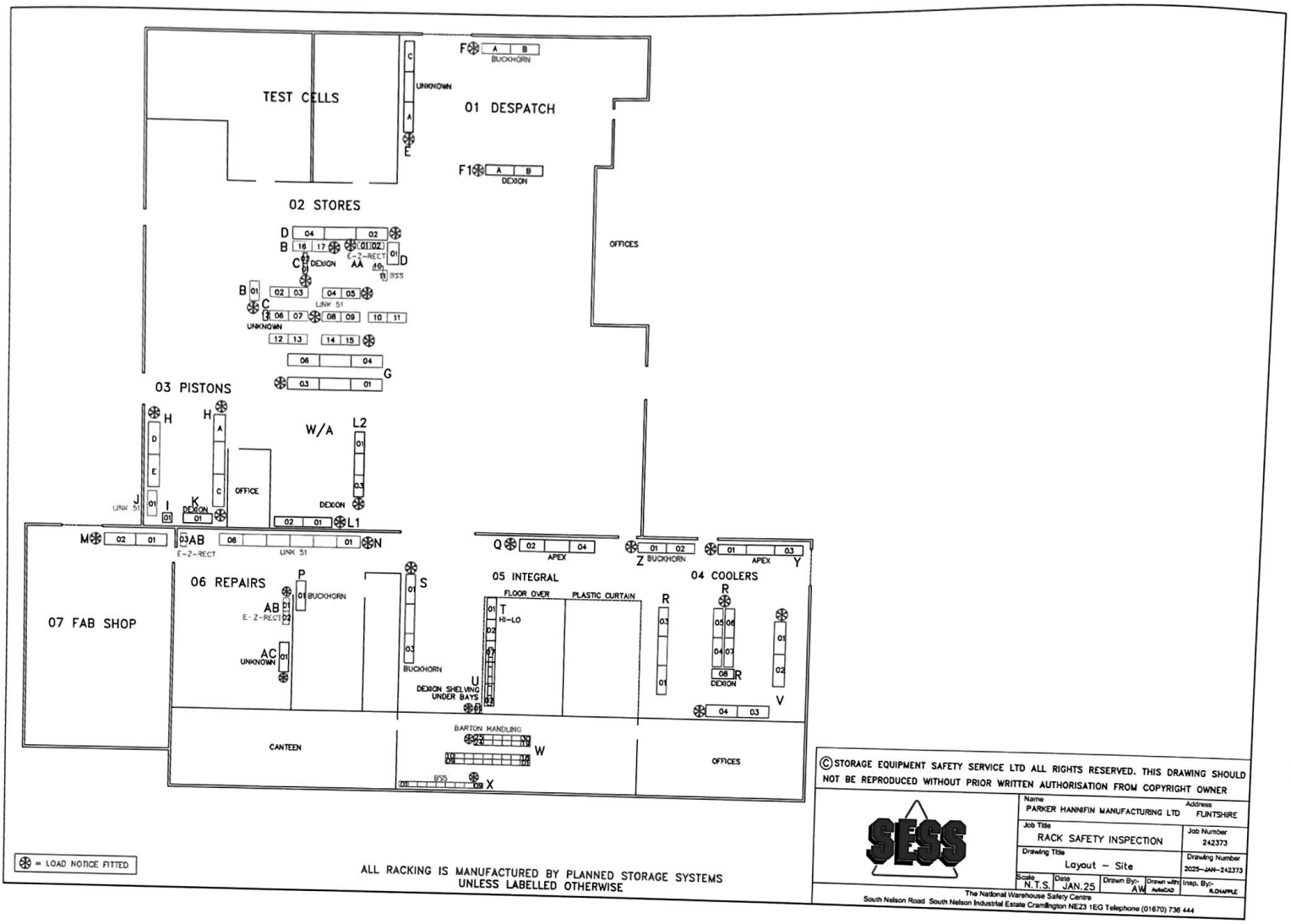
Manufacturer: *PSS Straight*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
02-Stores-D	01/End)	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-
02-Stores-D	01/End)	2	Bolted	Bracing Diagonal	N/A	Damaged	Monitor	1	-
02-Stores-D	02/03	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-
02-Stores-D	03/04	N/A	Bolted	Upright & Base Plate	Front	Twisted	Monitor	1	-
02-Stores-D	04/End)	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-
02-Stores-D	04/End)	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-
04-Coolers-R	02-	1	Bolted	Beam	Front	Damaged	Monitor	1	-
04-Coolers-R	03/End)	1	Bolted	Bracing Diagonal	N/A	Damaged	Monitor	1	-
04-Coolers-R	06-	3	Bolted	Beam	Front	Damaged	Monitor	1	-
04-Coolers-R	06/07	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-
04-Coolers-V	03/04	N/A	Bolted	Upright & Base Plate	Front	Twisted	Monitor	1	-

Green - [Periodic monitoring required]

Manufacturer: *Unknown*

WH-AREA-RACK	LOCATION	LEVEL	FRAME TYPE	COMPONENT	POSITION	DEFECT	ACTION	QTY	REPAIR
01-Despatch-E	(Beg/A	1	Bolted	Bracing Horizontal	N/A	Damaged	Monitor	1	-
01-Despatch-E	(Beg/A	1	Bolted	Bracing Diagonal	N/A	Damaged	Monitor	1	-
01-Despatch-E	(Beg/A	N/A	Bolted	Upright & Base Plate	Both	Damaged & Twisted	Monitor	2	-
01-Despatch-E	A/B	N/A	Bolted	Upright Post	Front	Damaged	Monitor	1	-
01-Despatch-E	A/B	1	Bolted	Bracing Diagonal	N/A	Damaged	Monitor	1	-
01-Despatch-E	B/C	N/A	Bolted	Upright Post	Rear	Damaged	Monitor	1	-
01-Despatch-E	C/End)	N/A	Bolted	Upright Post	Rear	Damaged	Monitor	1	-
01-Despatch-E	C/End)	N/A	Bolted	Base Plate	Front	Rusted	Monitor	1	-
01-Despatch-E	C/End)	N/A	Bolted	Observations	Front	-	-	1	-
Front Baseplate observed sitting in rainwater from ingress under warehouse shutter door -serve rust will develop if action to reduce water not taken									
06-Repairs-AC	01/End)	1	Welded	Bracing Diagonal	N/A	Damaged	Monitor	1	-



SESS

Name: PARKER HANNIFIN MANUFACTURING LTD	Address: FLINTSHIRE
Job Title: RACK SAFETY INSPECTION	Job Number: 242373
Drawing Title: Layout – Site	Drawing Number: 2025-JAN-242373
Scale: N.T.S. / Date: JAN.25 / Drawn By:- AW / Drawn with: AutoCAD	Insp. By:- R.CHAPPLE

The National Warehouse Safety Centre
South Nelson Road South Nelson Industrial Estate Cramlington NE23 1EG Telephone (01670) 736 444

STORAGE EQUIPMENT SAFETY SERVICE

RACK SAFETY INSPECTION LEGISLATION

1.0 Section 2 of the Health & Safety at Work Act 1974 requires the employer to provide:

a. A safe place of work – inspecting and maintaining storage equipment and maintaining these systems of work
b. Training – providing sufficient training to employees on how to spot hazards and assess risk
c. Information – providing load notices that show the safe working load and other safety information about the storage equipment

2.0 The Management of Health & Safety at Work Regulations 1992, Revised 1999 requires that the employer carries out assessments of the hazards and risks in the workplace.

This regulation requires that all significant hazards are risk assessed. A storage equipment inspection and assessment would be required to comply with this legislation.

This regulation also states that risk assessments should be carried out by someone competent i.e. they must have training and experience in the task they're undertaking but also know the limits of their competence.

3.0 The Provision & Use of Work Equipment Regulations 1998 states that all work equipment must be inspected:

a. Prior to being used for the first time
b. If the racking is altered in any way then again it must be inspected prior to being used
c. Regularly to ensure that it remains safe for the purpose for which it was designed

Collision Sentry®

Corner Pro

Making noise in collision awareness

Collision Sentry – Always on Guard

SESS

STORAGE EQUIPMENT SAFETY SERVICE LTD

The National Warehouse Safety Centre
South Nelson Road · South Nelson Industrial Estate
Cramlington · Northumberland · NE23 1EG · England

Tel: +44 (0) 1670 736 444 · Fax: +44 (0) 1670 736 903
Website: www.sess.co.uk · Email: sess@sess.co.uk

SENTRY PROTECTION PRODUCTS
WWW.SENTRYPRO.COM

Always on guard

Blind corner intersections are a prime spot for accidents in any industrial setting – accidents that can result in damage to equipment, the facility and most importantly to people. Collision Sentry Corner Pro works to prevent accidents at blind corners by sending both an audio and visual alert to warn of approaching traffic. Collision Sentry Corner Pro helps create a safer working environment in areas where forklift traffic and pedestrian traffic intersect.

Audio warning

- Loud enough to be heard from within the corner zone and set it apart from other background noises
- Audio volume can be adjusted (high/low) or simply turned off (on/off)
- Sounds warning ONLY when motion is detected on both sides of the corner
- Synchronized with light flash to reinforce warning

Visual warning

- Flashes warning ONLY when motion is detected on both sides of the corner
- LED lights positioned on the angle, increasing the intensity of the light and optimizing visibility
- Beam focused toward areas where it is best seen
- Lens concentrates and increases beam's intensity

Simple installation

- Deploys immediately, portable, compact and lightweight
- Integrated, recessed magnet mounts easily "snap on" to racking, maintaining a secure, tight fit
- Integrated mounting points for mounting the unit to non-magnetic surfaces
- Optimal installation height is 7 to 9 feet on the upright

Self-powered

- Standard D-cell batteries (included)
- Blue light low battery indicator
- Battery life depends on usage, but lasts a minimum of 12 months

Passive infrared motion sensors

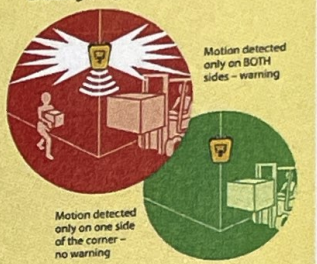
- Detection zone 20-25 feet in each direction
- Warning set in ample time for corrective action
- Pre-set and ready to use

Collision Sentry Collision Pro

Blind corners and intersections are a common hazard in most industrial settings. The Collision Sentry Corner Pro warning system helps lessen these hazards.

The addition of the Collision Sentry Corner Pro system can:

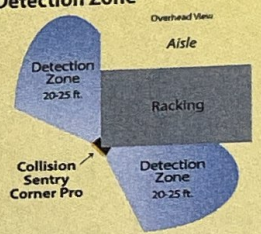
- Protect people from injury
- Prevent equipment damage
- Prevent damage to the facility
- Increase and maintain productivity by avoiding delays due to accidents



The Collision Sentry Corner Pro sends a warning ONLY when it senses movement in both detection zones; motion on both sides of the blind corner.

Under those conditions, the Collision Sentry Corner Pro flashes in both directions and sounds an audible warning, providing enough time to for corrective action.

Detection Zone



*Test results may vary depending on facility.