



Model: PC4000	Nov. 3, 2023
Serial #: N/A	
Product Bulletin # PC-056 Rev 1	

## Power Catwalk Model 4000: 1000-Day Inspection

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This document outlines the recommended actions to be taken every 5 years or 1000 operating days, whichever is earlier. Follow these recommendations to properly maintain the PC4000 and promote continued safe operation by proactively mitigating the potential for equipment failure due to normal long-term component wear.

The first section of this document contains checklists of items that require visual and/or magnetic particle inspection. Use this section to track what has been inspected and to record any comments or issues found.

The second section of this document contains illustrations and pictures that provide details regarding how to correctly perform the inspection items on the checklist. The areas that require magnetic particle inspection (MPI) are highlighted within the drawings to clearly display where on the catwalk the inspection should be performed, and also denotes the ASTM document that the inspector should reference in order to correctly conduct the MPI.

**Rig #:** \_\_\_\_\_ **Date:** \_\_\_/\_\_\_/\_\_\_ **Location:** \_\_\_\_\_ **Running Hours:** \_\_\_\_\_

Inspect the following after the 35-point inspection, and look for any sign of wear or damage.

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**NOTICE**

Completing inspection for carrier and lift arm sections while the unit is rigged up and operational will avoid the time-consuming disassembly required when the catwalk is in shipping configuration.

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Catwalk Base	Inspection	<input checked="" type="checkbox"/> <input type="checkbox"/>	Comments
Skid Roll End	MPI		
Ramp Pivot Posts	MPI		
Pipe Rack Arm Mounts/Hitch Blocks	MPI		
Carrier Roller Channels	MPI		
Pipe Indexers Mount Plates	Visual		
Pipe Rack Arms	Visual		
Master Connection Plates and Lifting Posts	MPI		
Slave Connection Plates and Lifting Posts	MPI		
<b>Notes:</b>			
<b>Completed by:</b>		<b>Signature:</b>	

Ramp	Inspection	<input checked="" type="checkbox"/> <input type="checkbox"/>	Comments
Ramp Pivot Posts	MPI		
Carrier Roller Guide Channels	MPI		
Ramp Sheave Support Plates	Visual		
Ramp Sheaves	Visual		
Winch Mounts	MPI		
Winch Protective Guard	Visual		
<b>Notes:</b>			
<b>Completed by:</b>		<b>Signature:</b>	



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Carrier	Inspection	<input checked="" type="checkbox"/> <input type="checkbox"/>	Comments
Cable Block Welds	MPI		
Carrier Pipe Kickers	MPI		
Carrier Overshoot Dogs	Visual		
Master Connection Plates	MPI		
Slave Connection Plates	MPI		
Front Carrier Roller Shaft Welds	Visual		
Lift Arm Pivot Bushing Block	Visual		
<b>Notes:</b>			
<b>Completed by:</b>		<b>Signature:</b>	

Lift Arm	Inspection	<input checked="" type="checkbox"/> <input type="checkbox"/>	Comments
Lift Arm Pin Mounts	MPI		
Lift Arm Welds	Visual		
<b>Notes:</b>			
<b>Completed by:</b>		<b>Signature:</b>	



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Hydraulic Power System	Inspection	<input checked="" type="checkbox"/> <input type="checkbox"/>	Comments
Hydraulic Fluid Level (3/4 Full)	Visual		
Hydraulic Winch Oil Level	Visual		
Periodic Hydraulic Oil Analysis	Visual		
Periodic Hydraulic Winch Oil Analysis	Visual		
Hydraulic Pump	Visual		
Valve Bank	Visual		
Hydraulic Cylinders	Visual		
No Oil Leakage in the System	Visual		
<b>Notes:</b>			
<b>Completed by:</b>		<b>Signature:</b>	

Electrical System (Lock & Tag Out Required)	Inspection	<input checked="" type="checkbox"/> <input type="checkbox"/>	Comments
Grounding	Visual		
Wires, Boxes, and Connectors	Visual		
Electrical Motor	Visual		
Lights and Proximity Switches	Visual		
Radio Control Unit	Visual		
PLC Box	Visual		
Electrical Control Box	Visual		
<b>Notes:</b>			
<b>Completed by:</b>		<b>Signature:</b>	

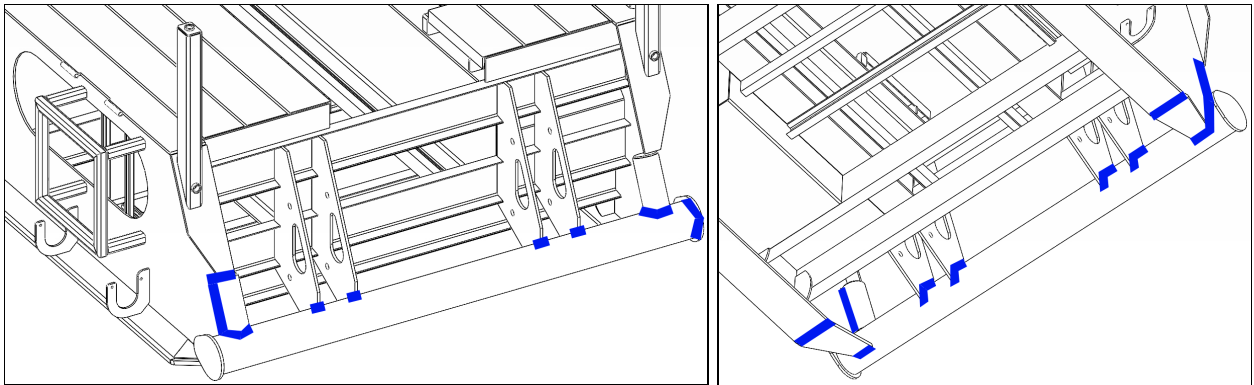


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## Skid Roll End

The following information should be supplied on the inspection report as minimum:

Purchase Order #: _____	Date: _____
Inspection Report #: _____	Canrig Part #: _____
Inspector's Signature/Stamp: _____	Power Catwalk S/N: _____
Type of Inspection: _____	Canrig Representative: _____



## Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.



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## Ramp Pivot Post

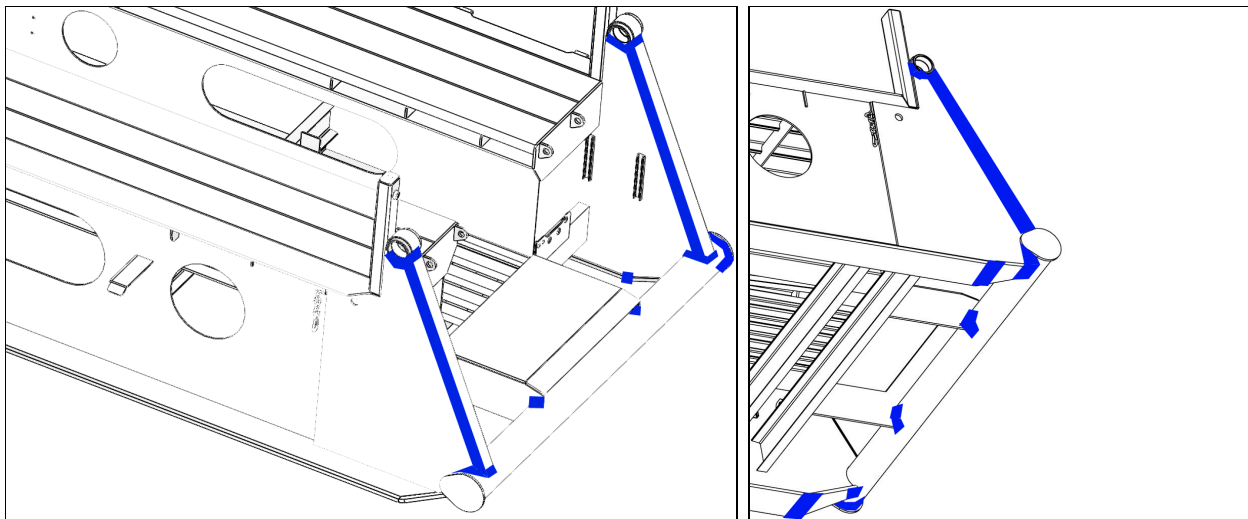
The following information should be supplied on the inspection report as minimum:

Purchase Order #: \_\_\_\_\_ Date: \_\_\_\_\_

Inspection Report #: \_\_\_\_\_ Canrig Part #: \_\_\_\_\_

Inspector's Signature/Stamp: \_\_\_\_\_ Power Catwalk S/N: \_\_\_\_\_

Type of Inspection: \_\_\_\_\_ Canrig Representative: \_\_\_\_\_



## Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.



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## Pipe Rack Arm Mount/Hitch Block

The following information should be supplied on the inspection report as minimum:

Purchase Order #: \_\_\_\_\_

Date: \_\_\_\_\_

Inspection Report #: \_\_\_\_\_

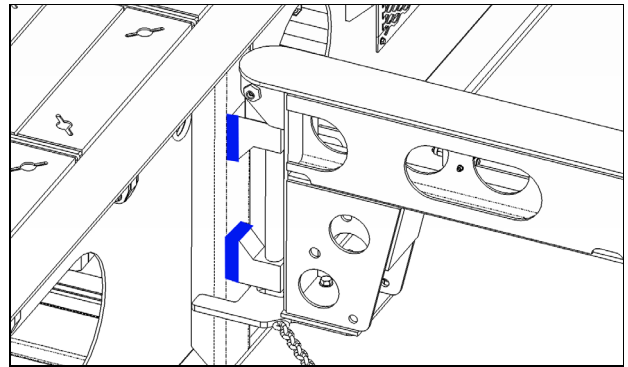
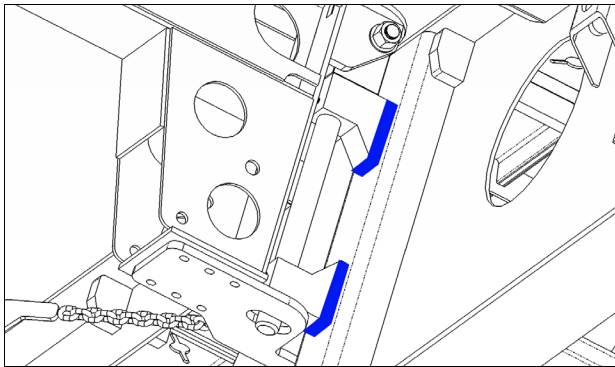
Canrig Part #: \_\_\_\_\_

Inspector's Signature/Stamp: \_\_\_\_\_

Power Catwalk S/N: \_\_\_\_\_

Type of Inspection: \_\_\_\_\_

Canrig Representative: \_\_\_\_\_



## Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.



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## Carrier Roller Channels

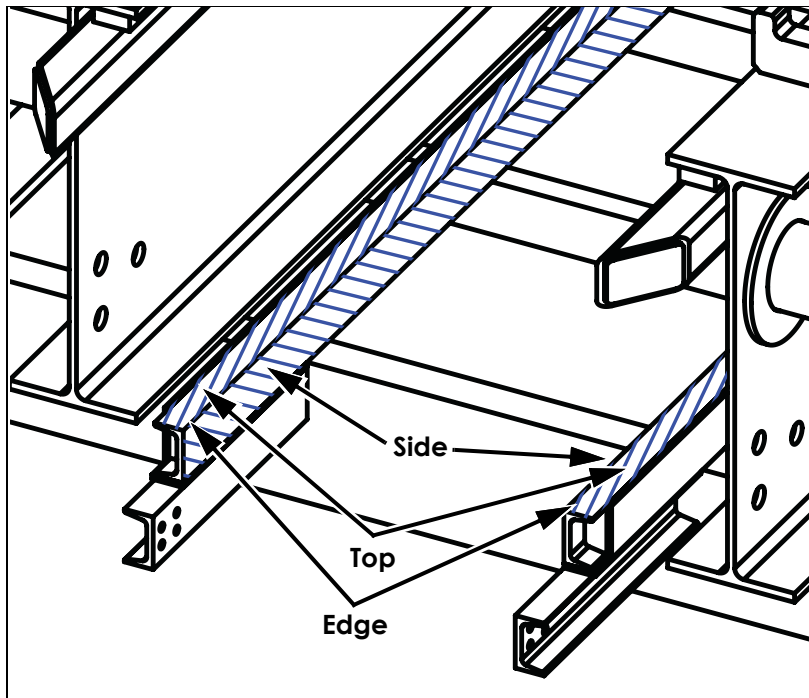
The following information should be supplied on the inspection report as minimum:

Purchase Order #: \_\_\_\_\_ Date: \_\_\_\_\_

Inspection Report #: \_\_\_\_\_ Canrig Part #: \_\_\_\_\_

Inspector's Signature/Stamp: \_\_\_\_\_ Power Catwalk S/N: \_\_\_\_\_

Type of Inspection: \_\_\_\_\_ Canrig Representative: \_\_\_\_\_



## Procedure

- Perform a Dry Magnetic Particle Inspection on all welds and geometry detailed above for both the Primary and Secondary Skid Carrier Roller C-Channels in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.
- Visually inspect the roller channels for dents and/or bending.



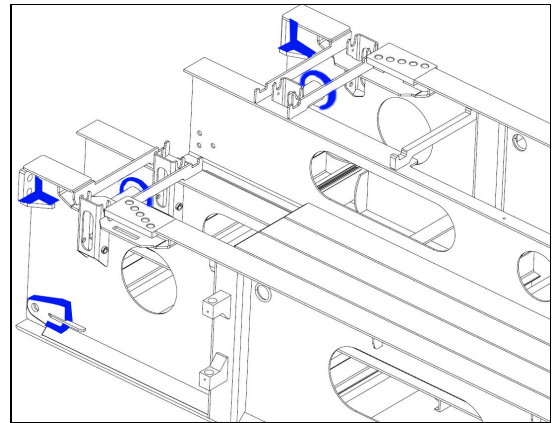
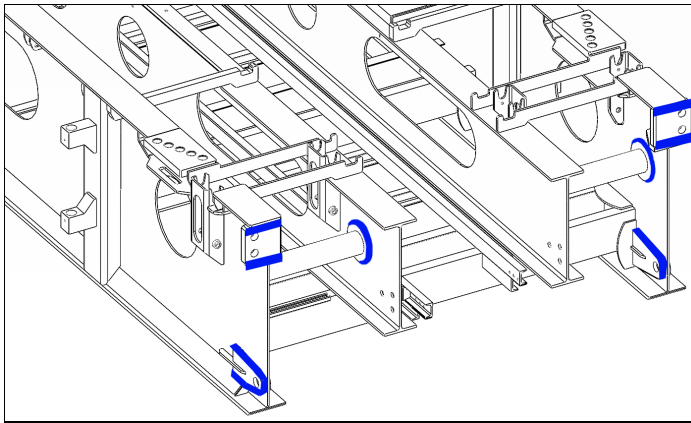


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## Catwalk Base Master Connection Plates and Lifting Posts

The following information should be supplied on the inspection report as minimum:

Purchase Order #: _____	Date: _____
Inspection Report #: _____	Canrig Part #: _____
Inspector's Signature/Stamp: _____	Power Catwalk S/N: _____
Type of Inspection: _____	Canrig Representative: _____



### Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.

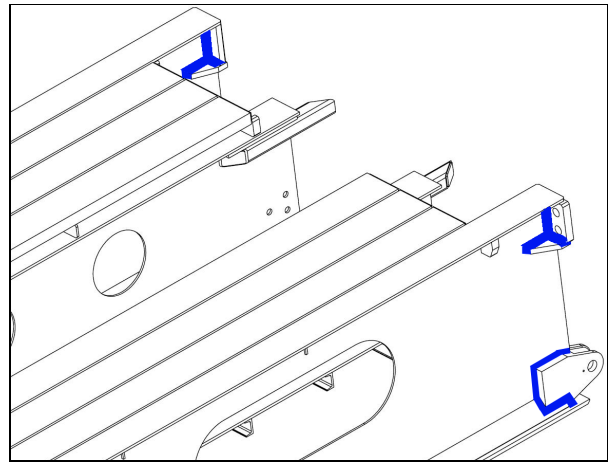
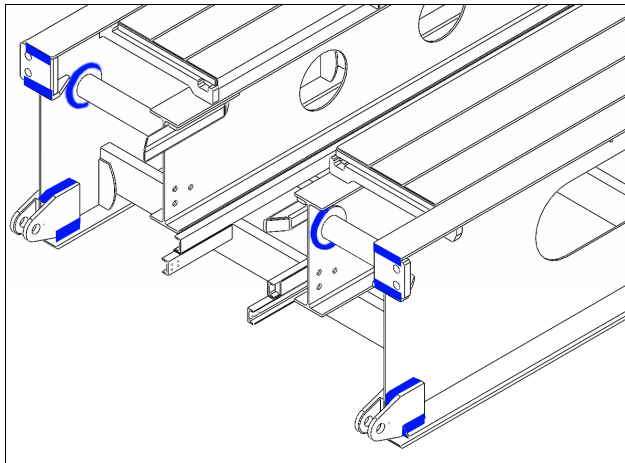


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## Catwalk Base Slave Connection Plates and Lifting Posts

The following information should be supplied on the inspection report as minimum:

Purchase Order #: \_\_\_\_\_ Date: \_\_\_\_\_  
Inspection Report #: \_\_\_\_\_ Canrig Part #: \_\_\_\_\_  
Inspector's Signature/Stamp: \_\_\_\_\_ Power Catwalk S/N: \_\_\_\_\_  
Type of Inspection: \_\_\_\_\_ Canrig Representative: \_\_\_\_\_



### Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.

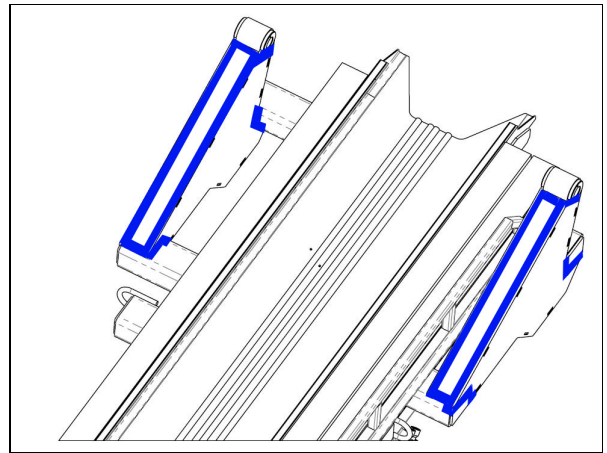
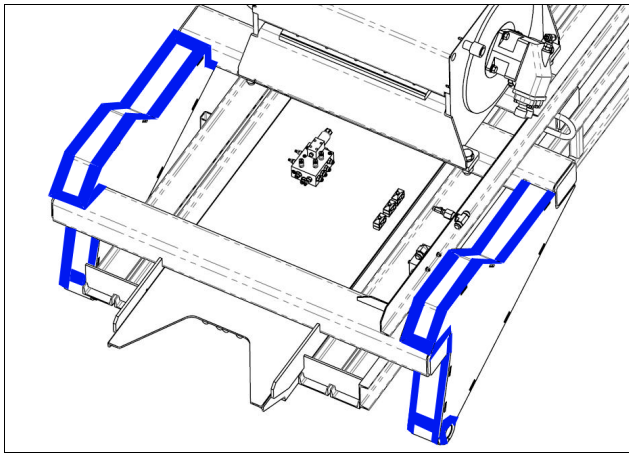


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## Ramp Pivot Post

The following information should be supplied on the inspection report as minimum:

Purchase Order #: _____	Date: _____
Inspection Report #: _____	Canrig Part #: _____
Inspector's Signature/Stamp: _____	Power Catwalk S/N: _____
Type of Inspection: _____	Canrig Representative: _____



## Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.



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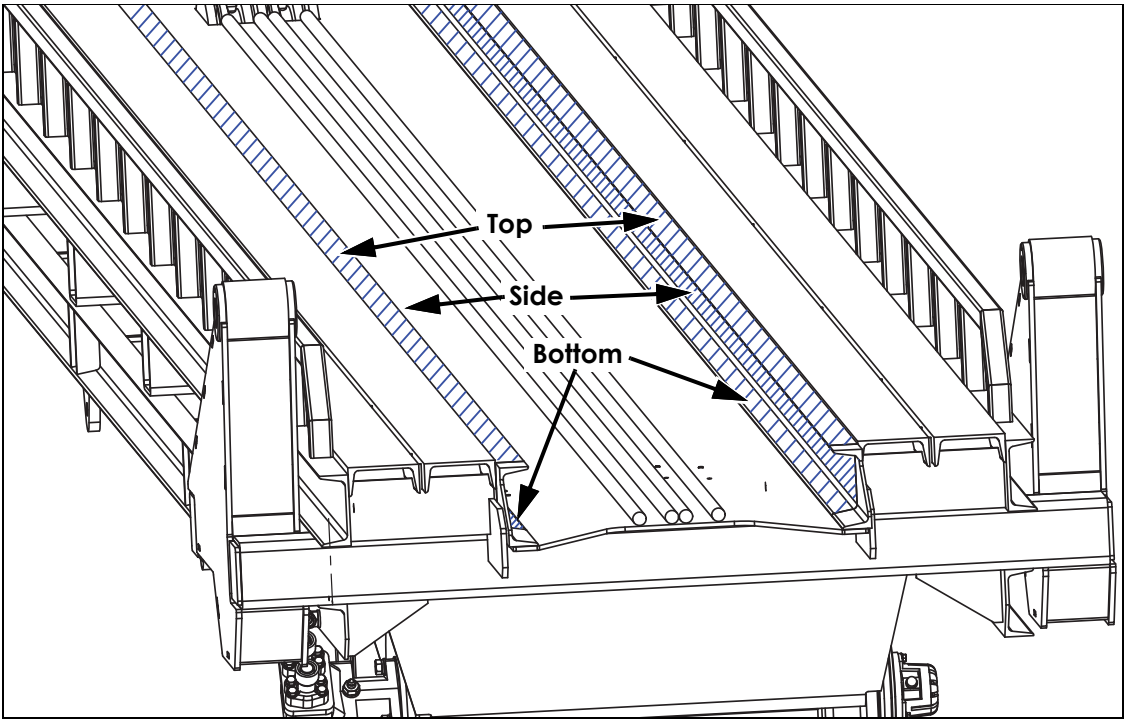
Serial #: N/A

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### Ramp Carrier Roller Guide Channels

The following information should be supplied on the inspection report as minimum:

Purchase Order #: \_\_\_\_\_ Date: \_\_\_\_\_  
Inspection Report #: \_\_\_\_\_ Canrig Part #: \_\_\_\_\_  
Inspector's Signature/Stamp: \_\_\_\_\_ Power Catwalk S/N: \_\_\_\_\_  
Type of Inspection: \_\_\_\_\_ Canrig Representative: \_\_\_\_\_



### Procedure

- Perform a Dry Magnetic Particle Inspection on all welds and geometry detailed above for both the Ramp Carrier Roller Guide C-Channels in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.
- Visually inspect the roller channels for dents and/or bending.

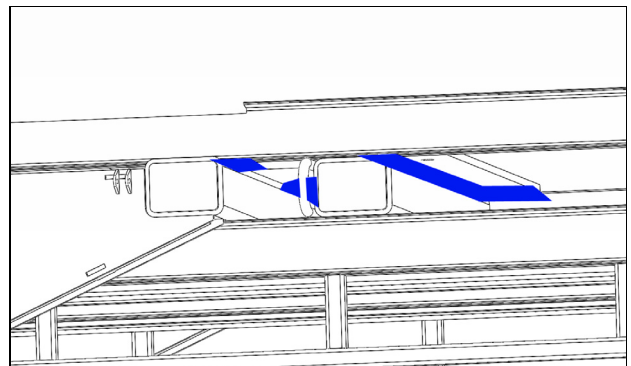
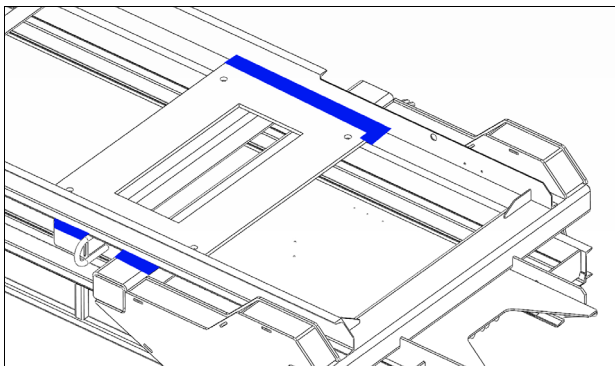


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## Ramp Winch Mount

The following information should be supplied on the inspection report as minimum:

Purchase Order #: _____	Date: _____
Inspection Report #: _____	Canrig Part #: _____
Inspector's Signature/Stamp: _____	Power Catwalk S/N: _____
Type of Inspection: _____	Canrig Representative: _____



## Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.

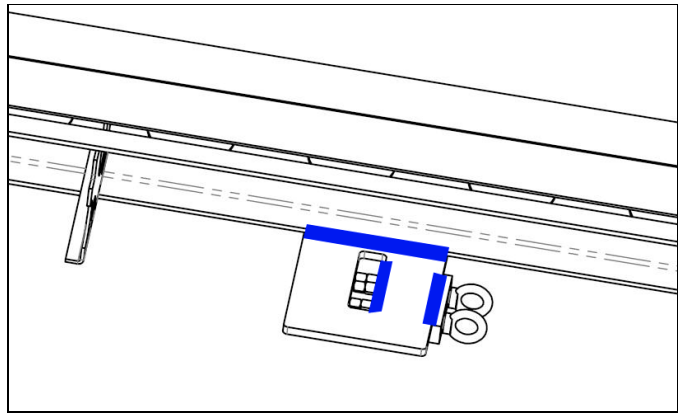
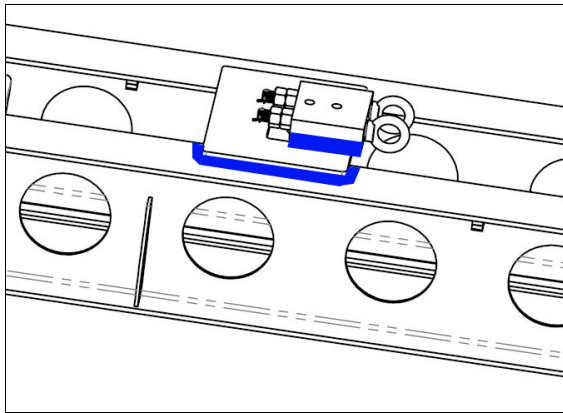


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## Carrier Cable Block and Connections

The following information should be supplied on the inspection report as minimum:

Purchase Order #: _____	Date: _____
Inspection Report #: _____	Canrig Part #: _____
Inspector's Signature/Stamp: _____	Power Catwalk S/N: _____
Type of Inspection: _____	Canrig Representative: _____



## Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.

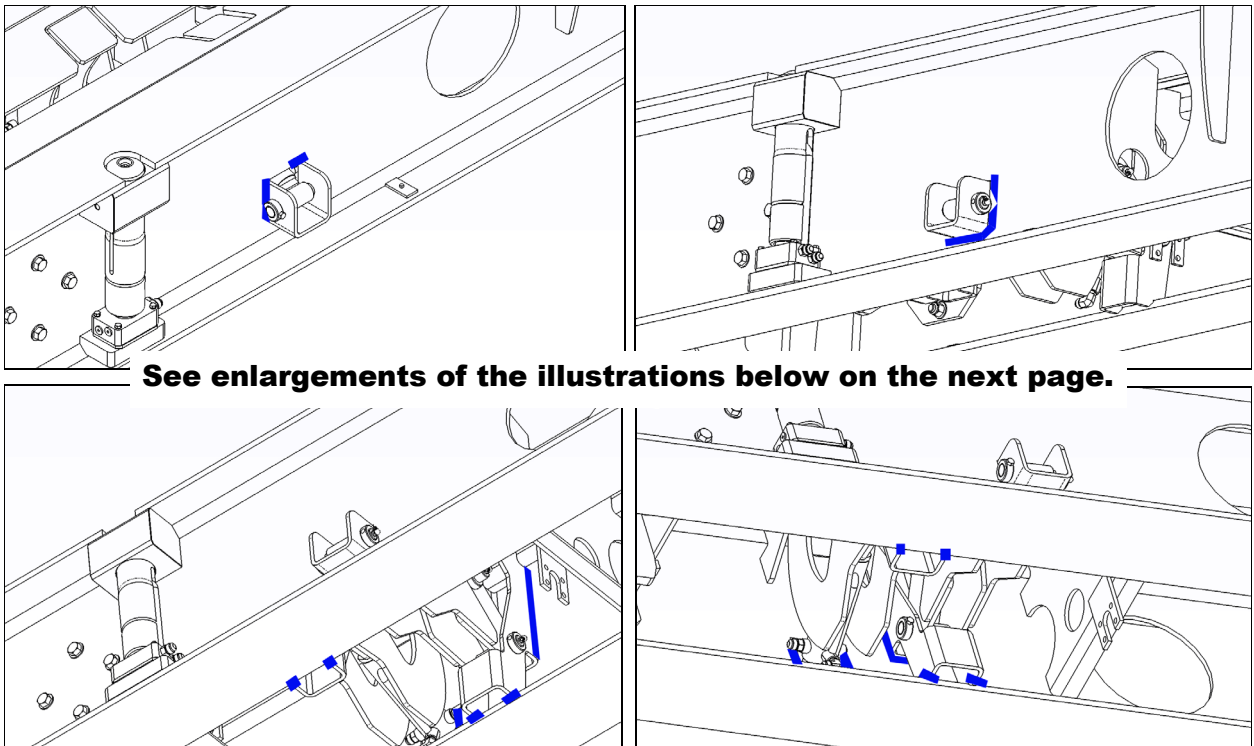


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## Carrier Pipe Kicker Mount

The following information should be supplied on the inspection report as minimum:

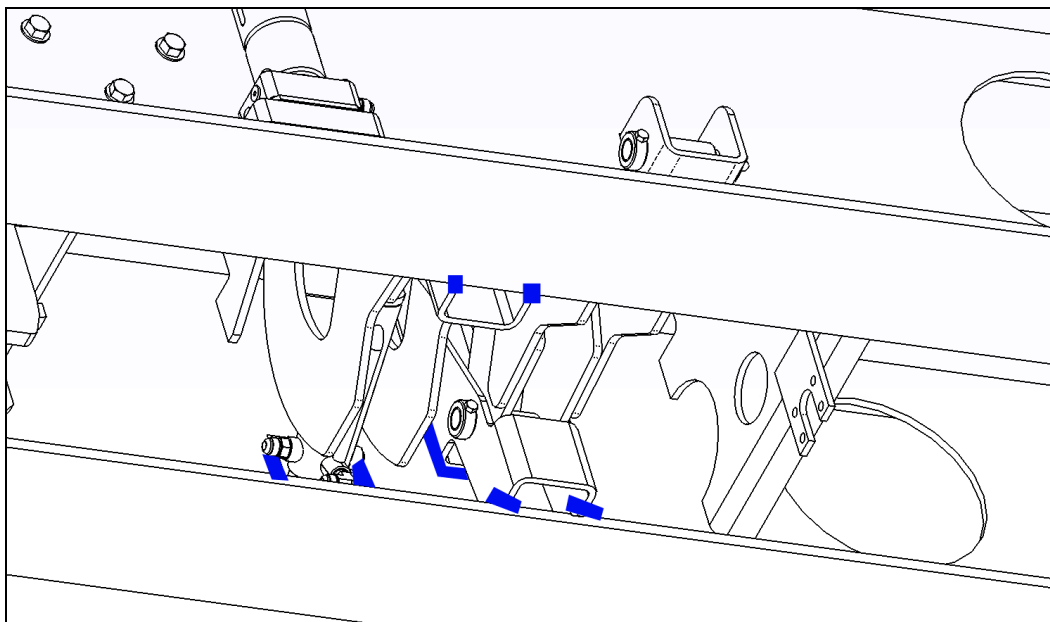
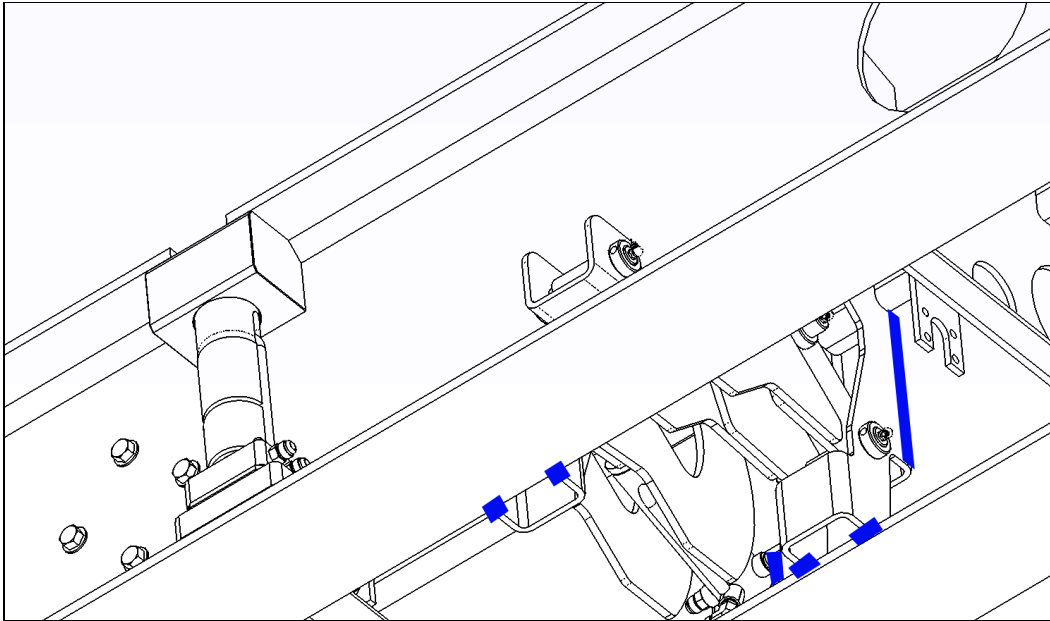
Purchase Order #: _____	Date: _____
Inspection Report #: _____	Canrig Part #: _____
Inspector's Signature/Stamp: _____	Power Catwalk S/N: _____
Type of Inspection: _____	Canrig Representative: _____



## Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.

### Carrier Pipe Kicker Mount (conitnued)







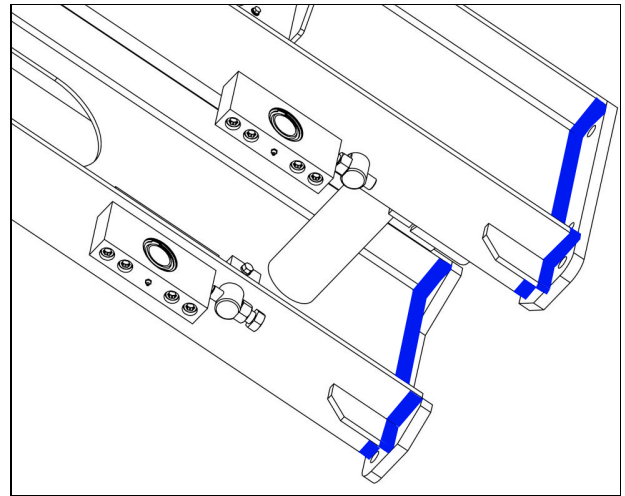
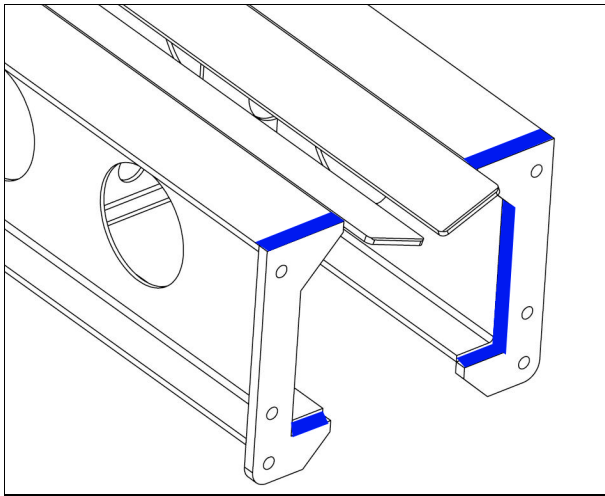
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## Carrier Base Master Connection Plates

The following information should be supplied on the inspection report as minimum:

Purchase Order #: \_\_\_\_\_  
Inspection Report #: \_\_\_\_\_  
Inspector's Signature/Stamp: \_\_\_\_\_  
Type of Inspection: \_\_\_\_\_

Date: \_\_\_\_\_  
Canrig Part #: \_\_\_\_\_  
Power Catwalk S/N: \_\_\_\_\_  
Canrig Representative: \_\_\_\_\_



### Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.

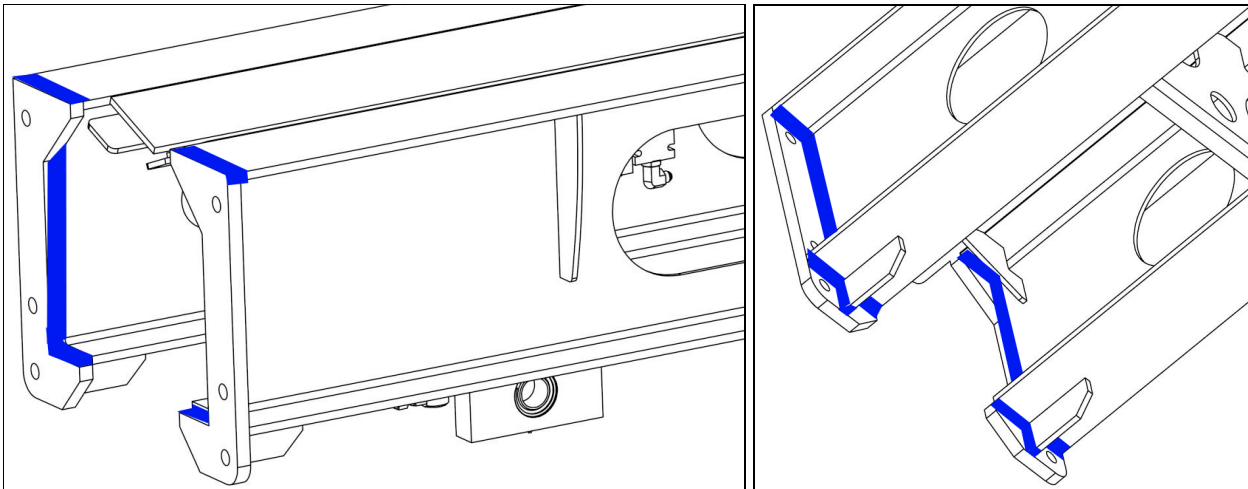


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## Carrier Base Slave Connection Plates

The following information should be supplied on the inspection report as minimum:

Purchase Order #: _____	Date: _____
Inspection Report #: _____	Canrig Part #: _____
Inspector's Signature/Stamp: _____	Power Catwalk S/N: _____
Type of Inspection: _____	Canrig Representative: _____



## Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.



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## Lift Arm Pin Mounts

The following information should be supplied on the inspection report as minimum:

Purchase Order #: \_\_\_\_\_

Date: \_\_\_\_\_

Inspection Report #: \_\_\_\_\_

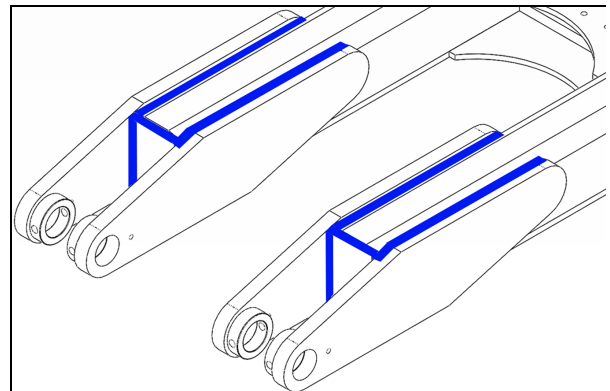
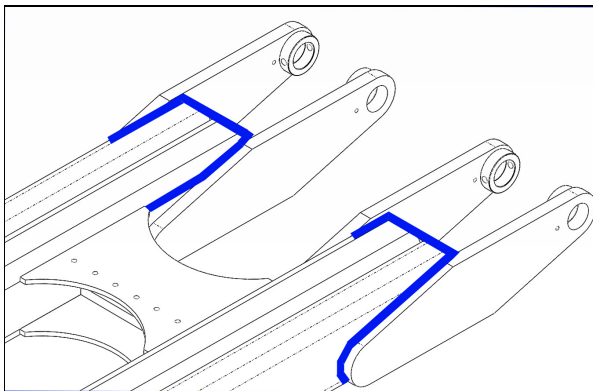
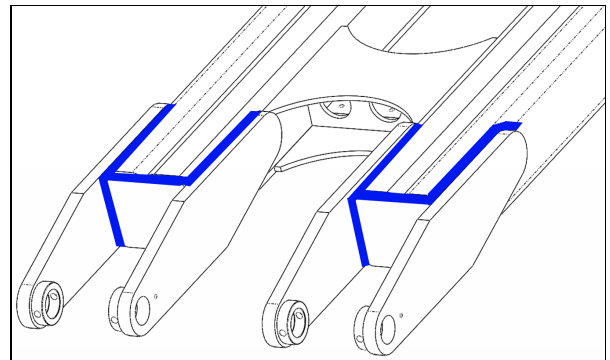
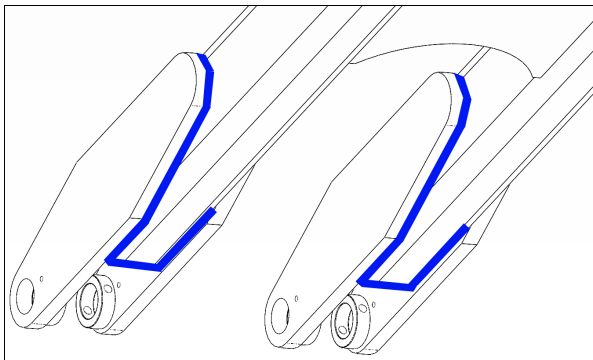
Canrig Part #: \_\_\_\_\_

Inspector's Signature/Stamp: \_\_\_\_\_

Power Catwalk S/N: \_\_\_\_\_

Type of Inspection: \_\_\_\_\_

Canrig Representative: \_\_\_\_\_



## Procedure

Perform a Dry Magnetic Particle Inspection on all welds shown in accordance with ASTM E709. Acceptance criteria are as defined in ASTM E709. All other areas not indicated must be visually examined for damage and signs of fatigue.