Addendum 3
March 3, 2025
South Jersey Port Corporation
SJPC-RFP-24-32
Crane Inspections, Maintenance, and Repairs
At The Balzano and Broadway Marine Terminals

NOTICE

This Addendum is considered part of this Request for Proposals and must be acknowledged with your submission.

NOTE: THE DEALINE FOR QUESTIONS IS EXTENDED TO THURSDAY, MARCH 6, 2025, at 5:00 PM

SJPC is currently coordinating with Kocks for a June 2, 2025 start date, Beginning at the Broadway crane number 71038, slew gear replacement. Any changes to the start date will be provided in an addendum.

ANSWERS TO FORMALLY SUBMITTED QUESTIONS

We understand that much of the scope of supply and division of responsibilities are presented in the third-person from the perspective of the OEM, Kocks. Please clarify where references to "Customer," "the Customer," "SJPC," or "SJP" actually mean "Support Contractor" from SJPC's perspective.

Referring to Responsibility Matrices Exhibit G and Exhibit H:

Q1. Please clarify which items showing joint responsibility of Support Contractor and SJPC are actually the sole responsibility of the Support Contractor, or will be jointly shared by the Support Contractor and SJPC.

A1. **For Crane 73904 at Balzano Terminal**:

- Item 12 – Support Contractor to lubricate moving parts and SJPC will operate the crane while Support Contractor witnesses the operation.
- Item 13 – Support Contractor to remove auxiliary eyes and SJPC will provide any touchup material.
- Item 17 – SJPC will operate the crane for a functionality test while the Support Contractor observes the boom hoist and trolley running.

For **Crane 71038 at Broadway Terminal**:

- Item 1 – Support Contractor to label and disconnect all wiring harnesses while SJPC provided oversight and any needed assistance.

- Item 12 – Support Contractor to reconnect all wiring with SJPC on hand for oversight and needed assistance.
- Item 13 – Support Contractor to provide all necessary lubrication and SJPC will operate the crane running the slew bearing. Support Contractor to observe should there be any unresolved problems and correct as necessary.
- Item 14 – Support Contractor shall clean the site of all tools and equipment as well as contain all contaminated materials for disposal by SJPC. SJPC to provide the location for storage of the materials for disposal.

Q2. Confirm responsibility for Exhibit G, Items 22, 23, and 24 are for SJPC to arrange and provide at SJPC's cost.

A2. On Exhibit G, SJPC will address at SJPC's cost - Items 22, 23, and 24.

Q3. Likewise, for Exhibit H, please confirm that the last 4 unnumbered items in the Responsibility Matrix will be for SJPC to arrange and provide at SJPC's cost.

A3. On Exhibit H, SJPC will address at SJPC's cost the last four non-numbered items.

Q4. According to Item 1 of Exhibit G, we understand that the scaffolding needed for crane 73904 at Balzano Marine Terminal is the responsibility of the Support Contractor, with requirements provided by Kocks (Note b). Please provide Kocks requirements, along with detailed drawings, load capacities, and attachment details.

A4. Three "scaffold" areas (platform extensions and new platforms) are required for this repair project.

1 Scaffold (platform extension) at the Tie Link Upper Pin (top of crane scaffold on Exhibits B&C), to be at the same elevation as the existing platform. Approximate extension to existing platform is 4' with handrails. Attached are photos of the existing platform.

2. Scaffold (platform extension) at the Tie Link Articulation / Waterside Pin (middle scaffold on Exhibits B&C), to be at the same elevation as the existing platform. Approximate extension to existing platform is 5' with handrails, under the tie link, in order to access the pins from the other side. Attached are photos of the existing platform.

3. Scaffold (new platforms) for the Boom Hinge (lower scaffold on Exhibit B&C), to be constructed at an elevation approximately 2' below the bottom of the hinge pins in order to provide access to the hinge pins on both sides. This scaffold will hang below the hinge pin elevation and require a ladder down to the scaffold. To access both sides of each hinge pin, the Support Contractor shall install either one long scaffold

approximately 12’ long to reach both pin locations or two separate scaffolds, one at each pin location. Scaffold(s) require handrails.

The load capacity of all platform extensions and the new platform shall be a minimum of 150 kilograms per square meter (approximately 280 pounds per square yard).

Q5. Please provide Kocks’ “high reach crane size” requirements for work on crane 73904 (Balzano Stay Pins, refer to Exhibit G, Note c).

A5. The mobile crane required for the scaffolding work at crane 73904. The required hook height must be a minimum of 70 meters (230 feet). A crane with angled tip and man basket.

Q6. Exhibit G, Item 14 shows joint responsibility of Kocks and the Support Contractor for the installation of jacks to remove load from the hinge points. Please confirm responsibility for jacking equipment and temporary jacking brackets, if any. If this will be the Support Contractor’s responsibility, please provide Kocks’ procedure, drawings, and details, including expected jacking loads and available working space for jacks.

A6. Kocks will provide the jacks and mounting brackets, including hydraulics. Support Contractor to attach (weld) the jack brackets to the crane structure.

Q7. Please indicate on a plan view drawing or overhead image of the wharves the intended work areas at Balzano Marine Terminal and Broadway Marine Terminal.

A7. SJPC will provide plan sketches of the proposed crane locations on the wharves.

Q8. Please provide allowable ground bearing pressures (in PSF) on the wharf in the intended work areas at Balzano Marine Terminal and Broadway Marine Terminal.

A8. At the Balzano Terminal, allowable load capacity at Berth 4 is 1,000 psf and at Berth 4 Extension 1,500 psf. At the Broadway Terminal Pier 1A high level deck has an allowable capacity of 1,000 psf.

Q9. Also, please provide the allowable ground bearing pressures (in PSF) in the intended work area landside of the landside crane rail at Broadway Marine Terminal.

A9. At the Broadway Terminal Pier 1A high level deck has an allowable capacity of 1,000 psf. Ther is no landside of the landside crane rail at Broadway, which is on a high deck structure.

Q10. In the event that any of the existing bores of the forestay pins or boom hinge pins on crane 73904 are damaged, please indicate who will be responsible for in-place machining.

A10. Kocks will provide the boring machine and technician to perform this work as needed.

Q11. Please confirm that Kocks will be responsible for providing specialty lugs and fitments, as well as jacks, for raising and lowering the trolley machine house on crane 71038 at Broadway Marine Terminal.

A11. Kocks will provide the jacks and specialty appurtenances for raising and lowering the trolley machine house on crane 71038.

Q12. Please confirm that the Support Contractor's welding operator certifications of AWS D1.1, unlimited thickness, all positions is sufficient for this project.

A12. Refer to attached Kocks welding procedures, including welder certifications.

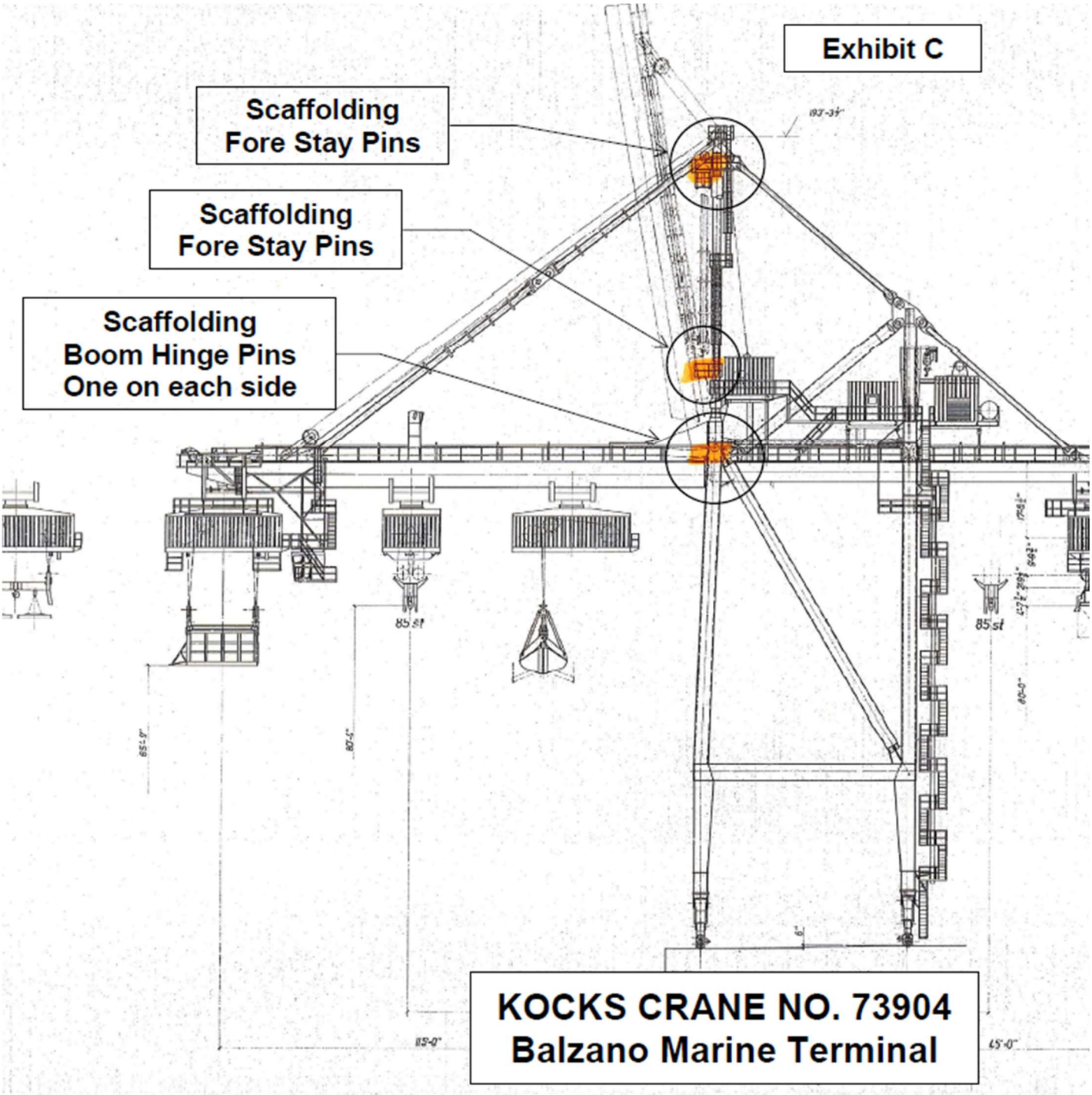
Welding Procedure Specification No 0131_02
Welding Procedure Specification No 0298_01&02

Q13. As Kocks technicians/engineers will direct the work on cranes 73904 and 71038, please provide detailed procedures, drawings, and specifications for the replacement of the forestay pins and boom hinge pins for crane 73904, and the same for crane 71038 slewing ring bearing.

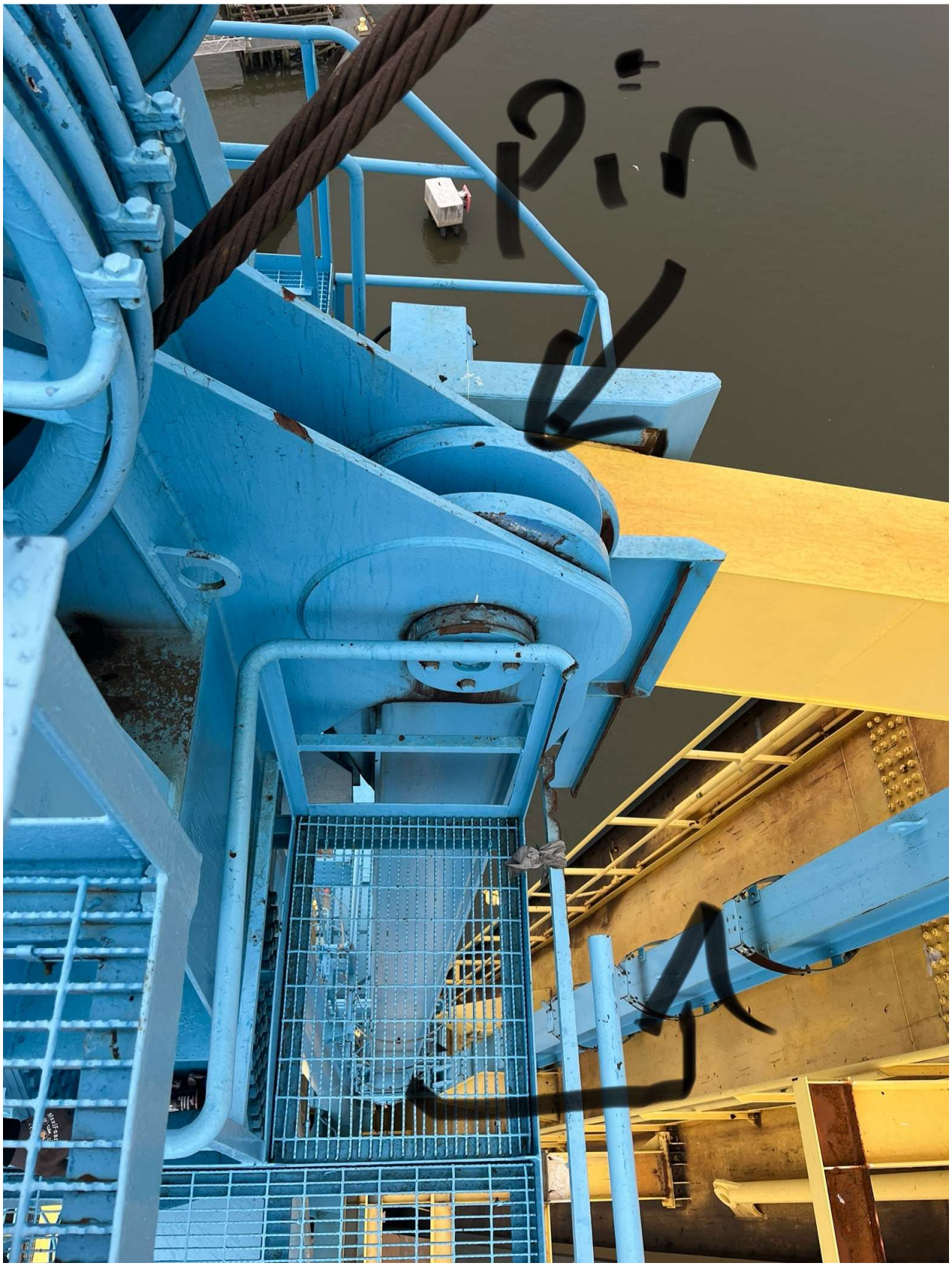
A13. Kocks will provide procedures manuals for these repairs. However, they are in German, with no translation available from Kocks. They will be provided as soon as they are available.

Q14. Referring to the Bid Form, Item 3 - BASIC SCOPE OF WORK AT BROADWAY REPLACEMENT PROJECT – LABOR and Item 9 - BASIC SCOPE OF WORK AT BALZANO REPLACEMENT PROJECT – LABOR, should these Not-To-Exceed values be based on our fully burdened labor cost, to include insurance, overhead, and profit?

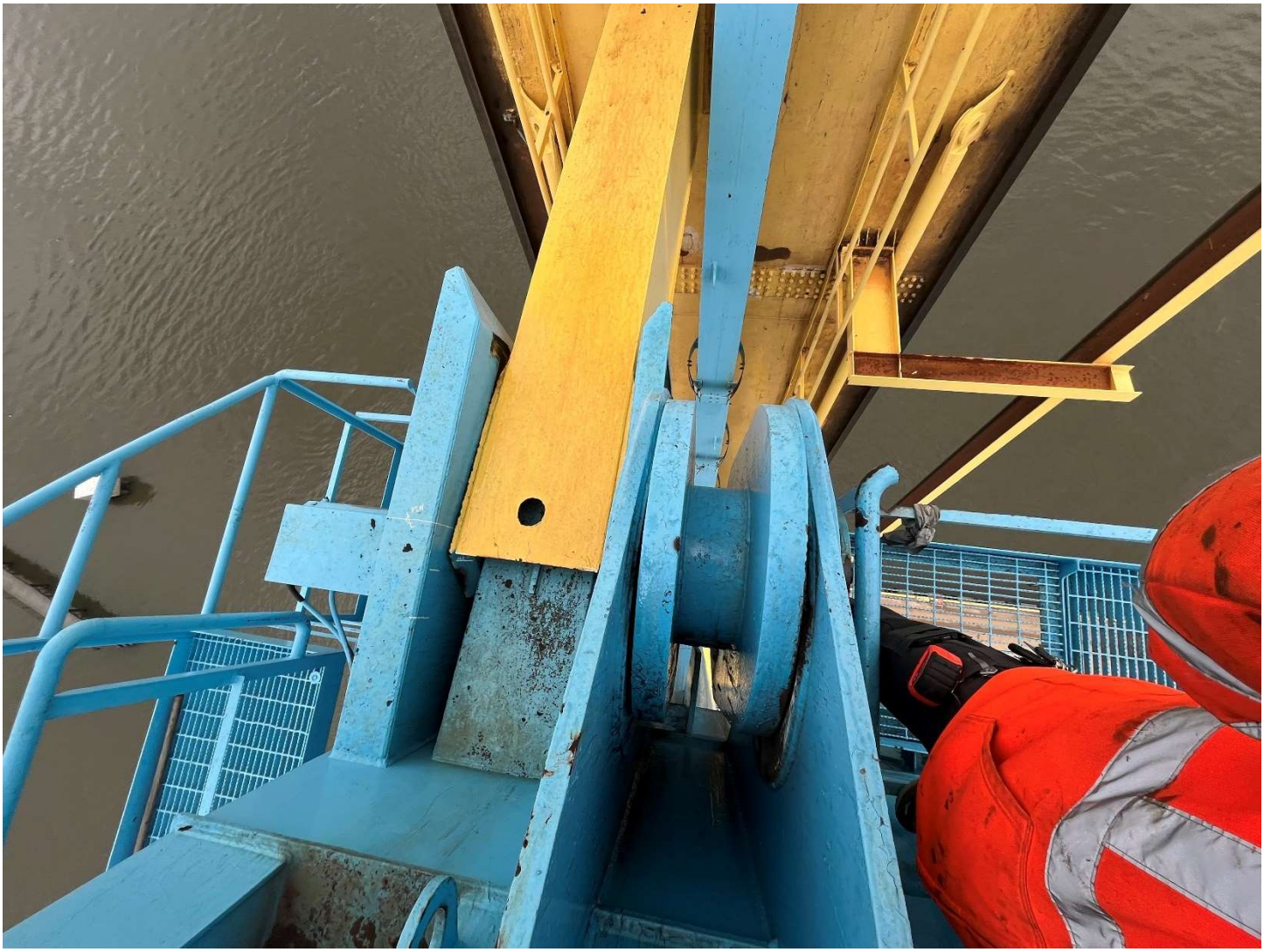
A14. Yes. The Not-To-Exceed values shall be based on your fully burdened labor cost, to include wages, benefits, insurance, overhead, and profit, etc.



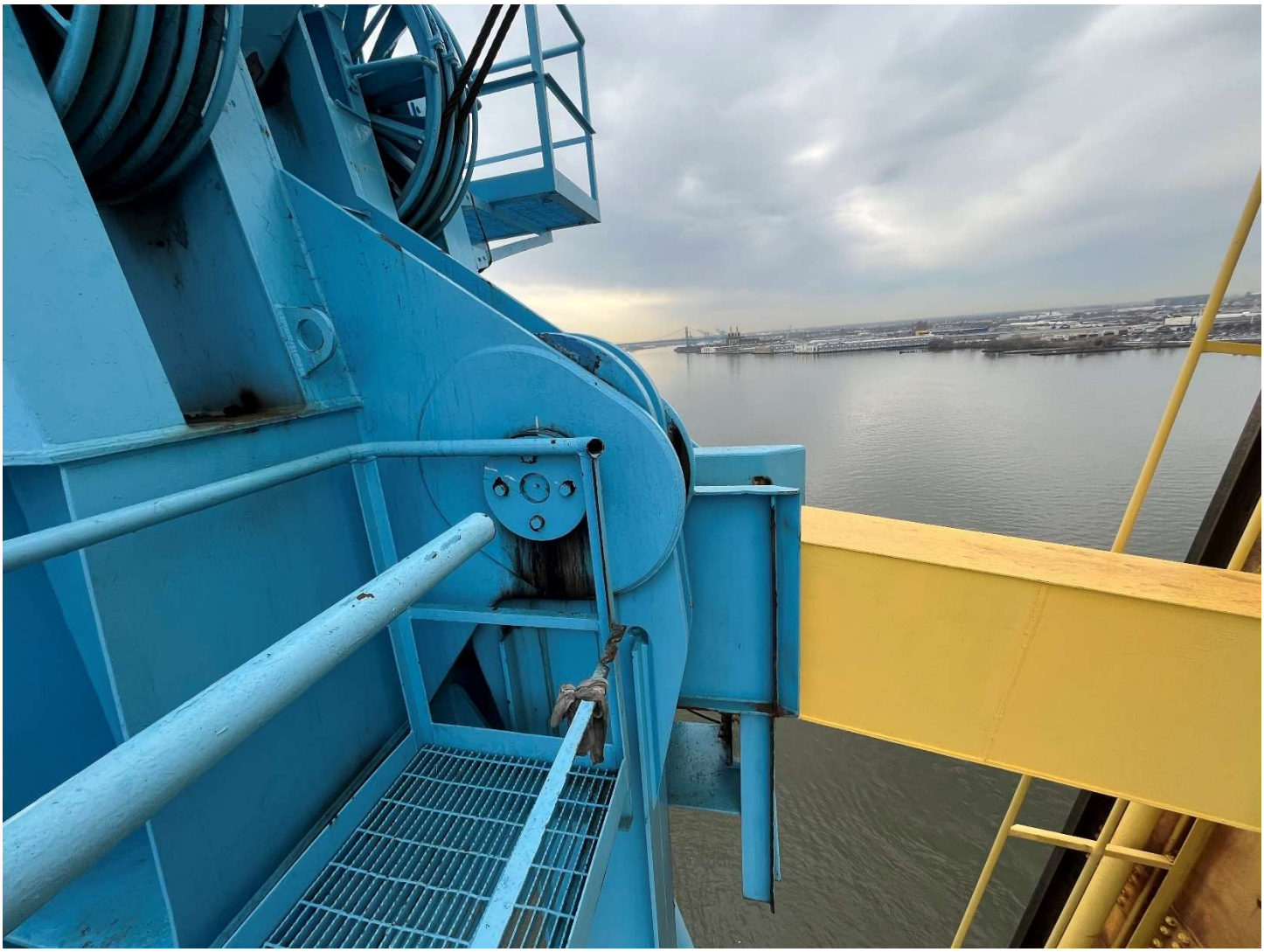
PHOTOS OF EXISTING PLATFORMS



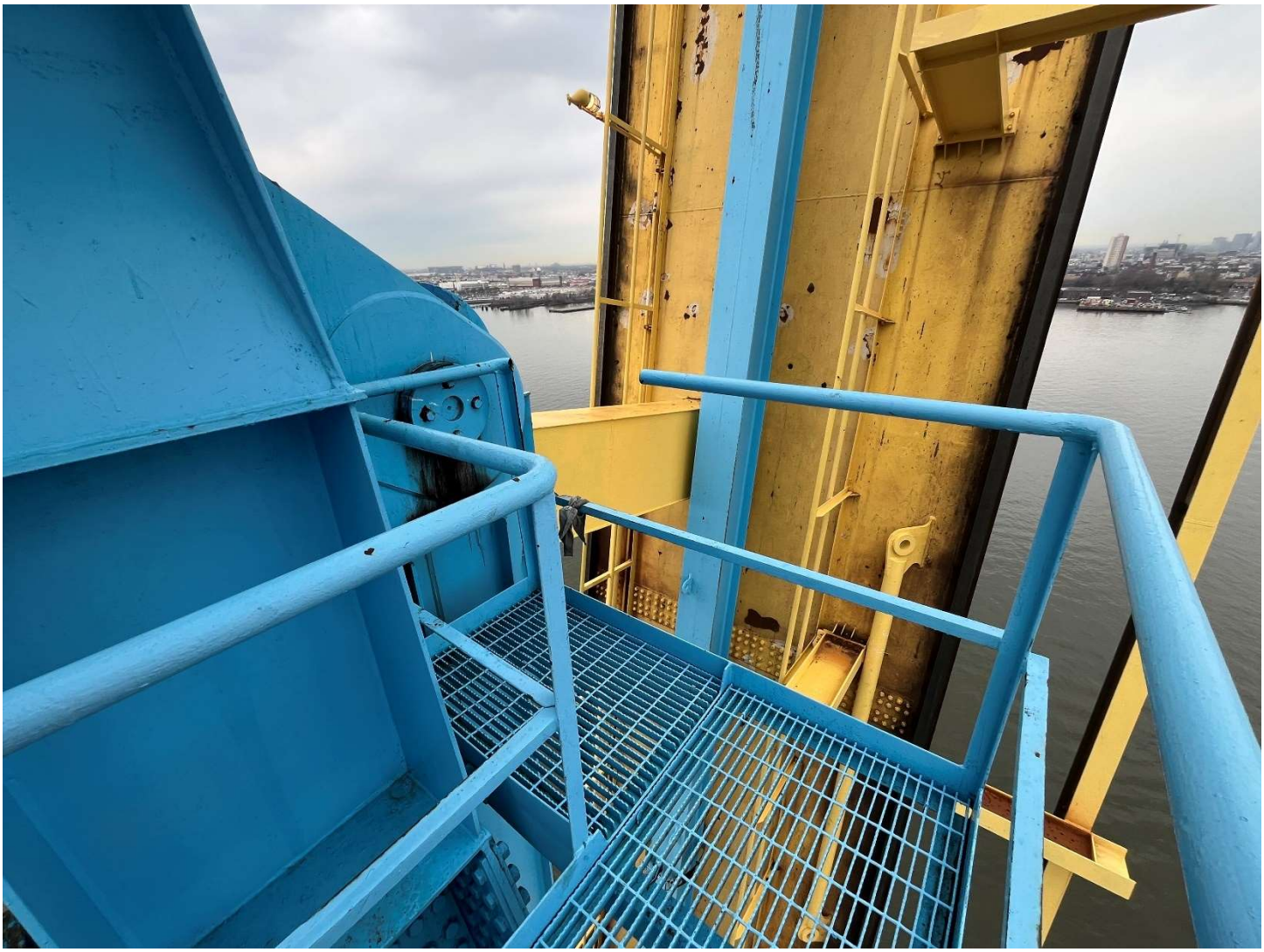
TOP PLATFORM 1



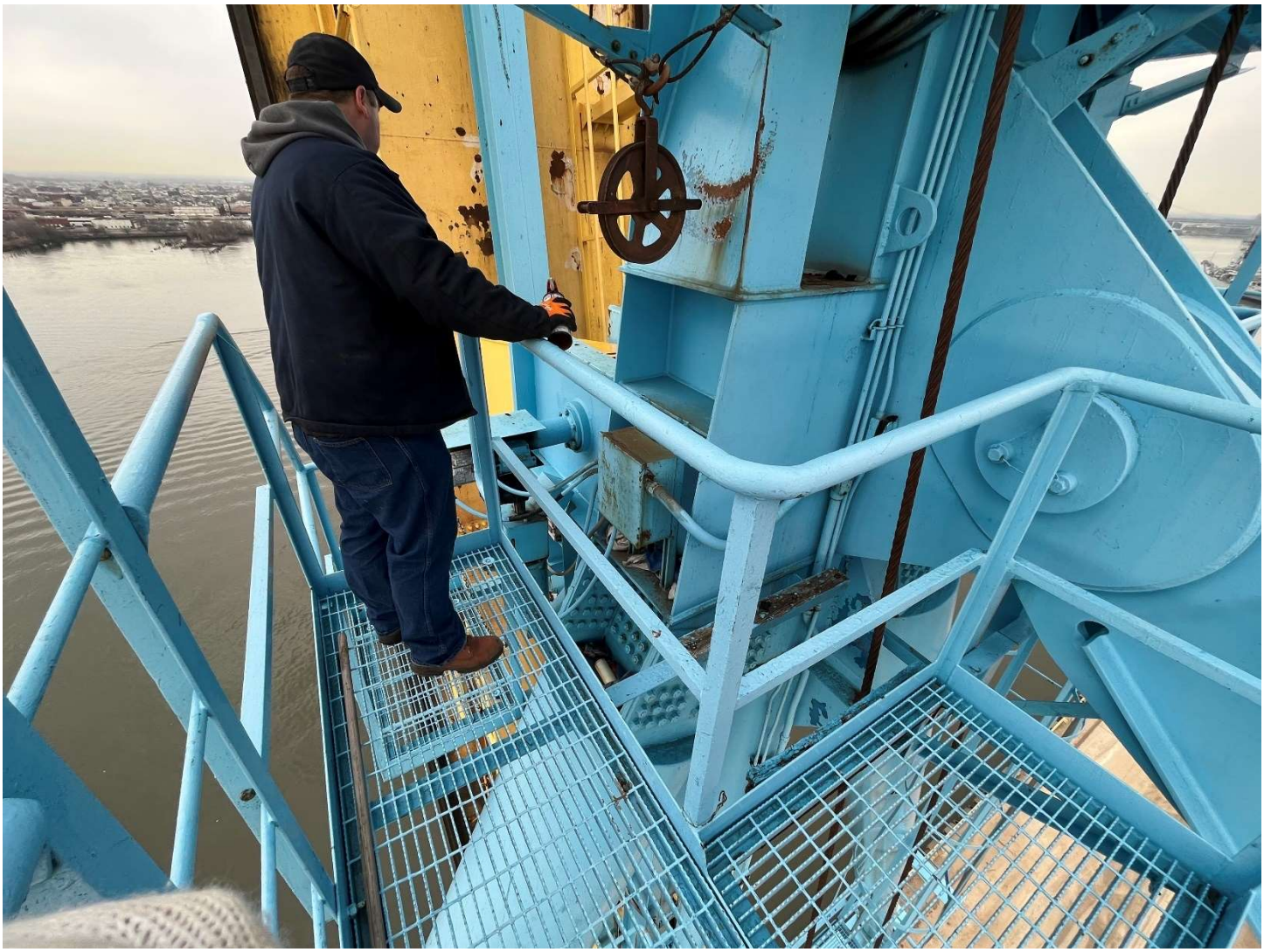
TOP PLATFORM 2



TOP PLATFORM 3



TOP PLATFORM 4



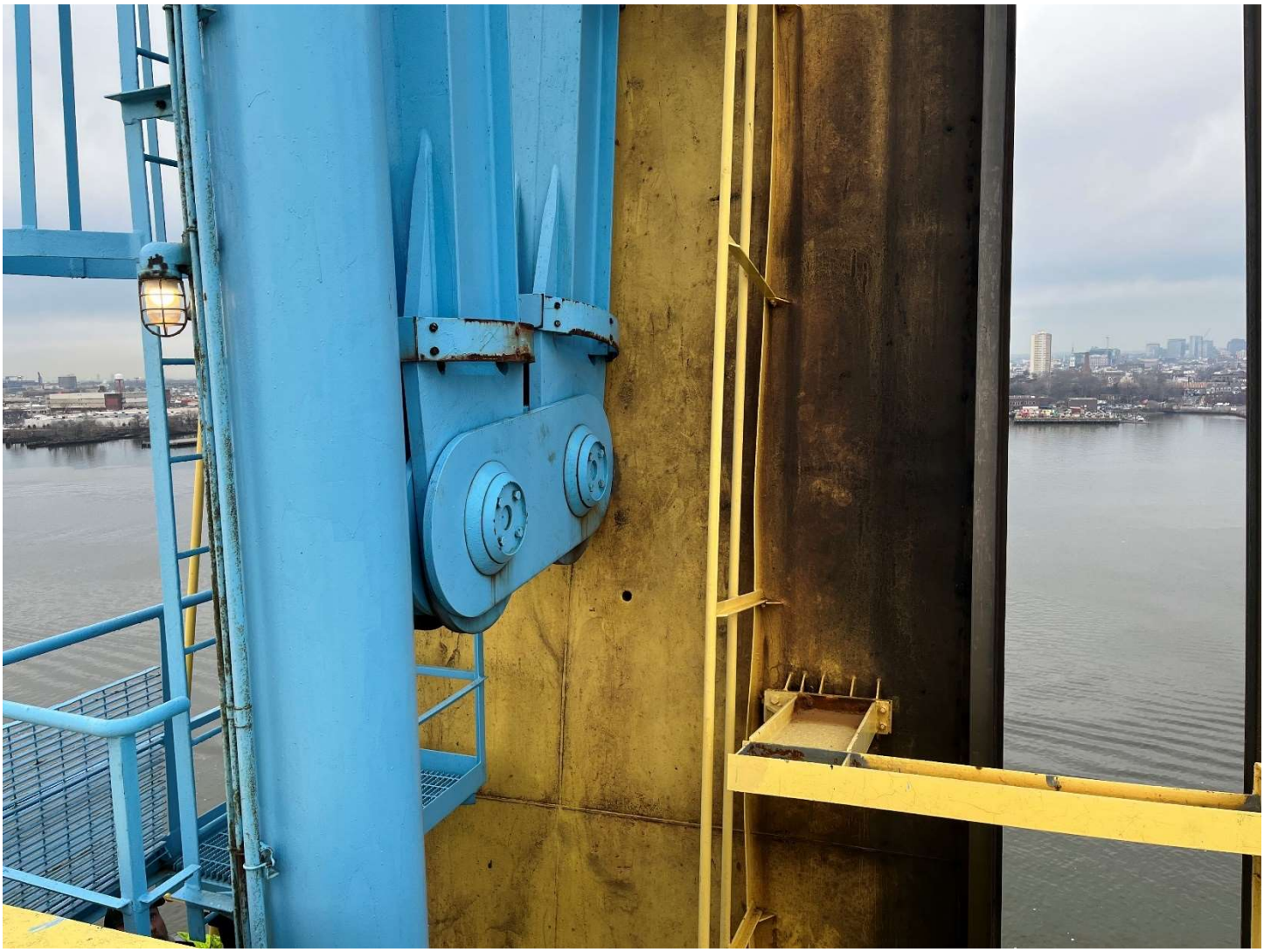
TOP PLATFORM 5

TOP PLATFORM 6

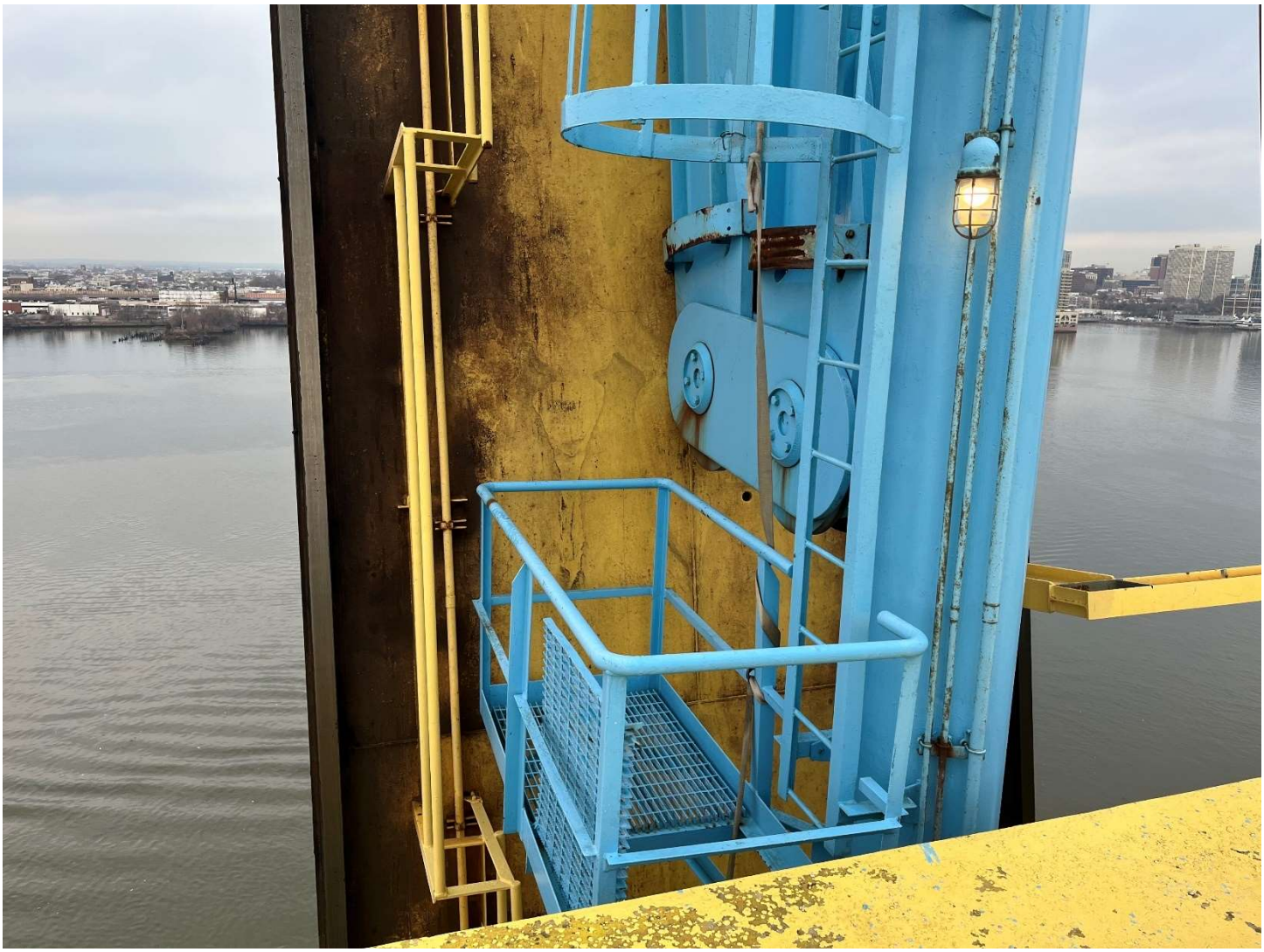
TOP PLATFORM 7

TOP PLATFORM 8

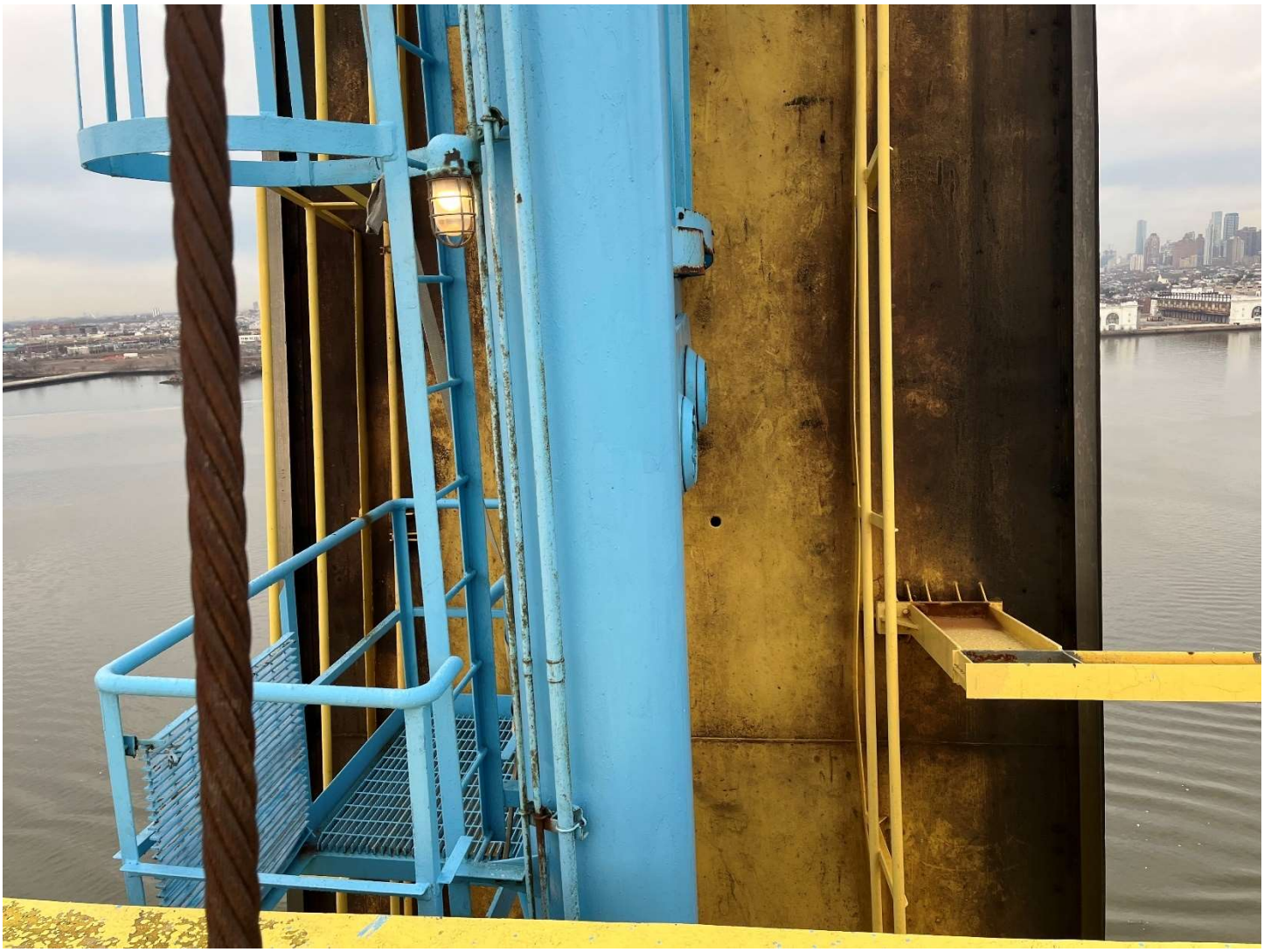
MIDDLE PLATFORM 1



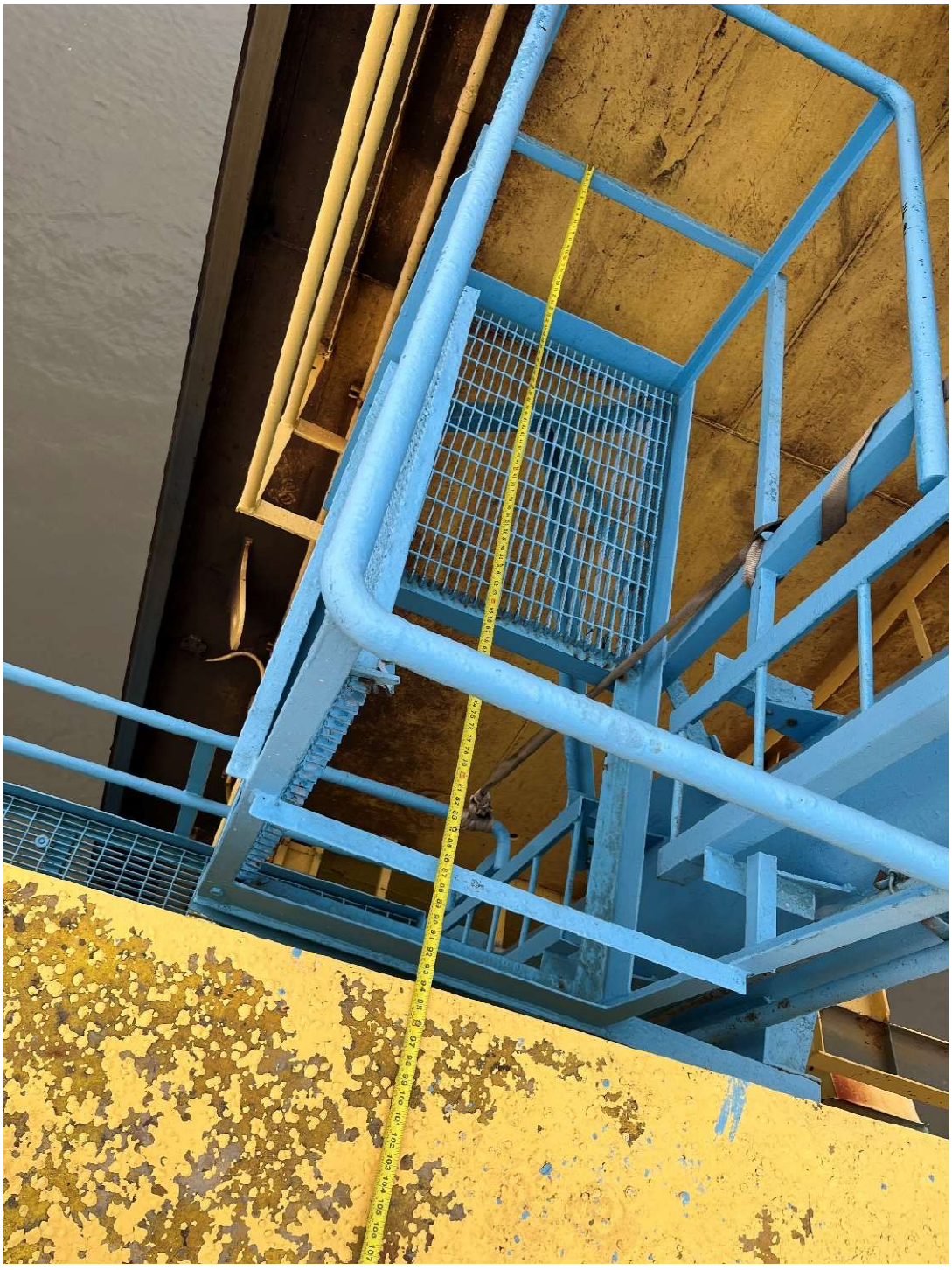
MIDDLE PLATFORM 2



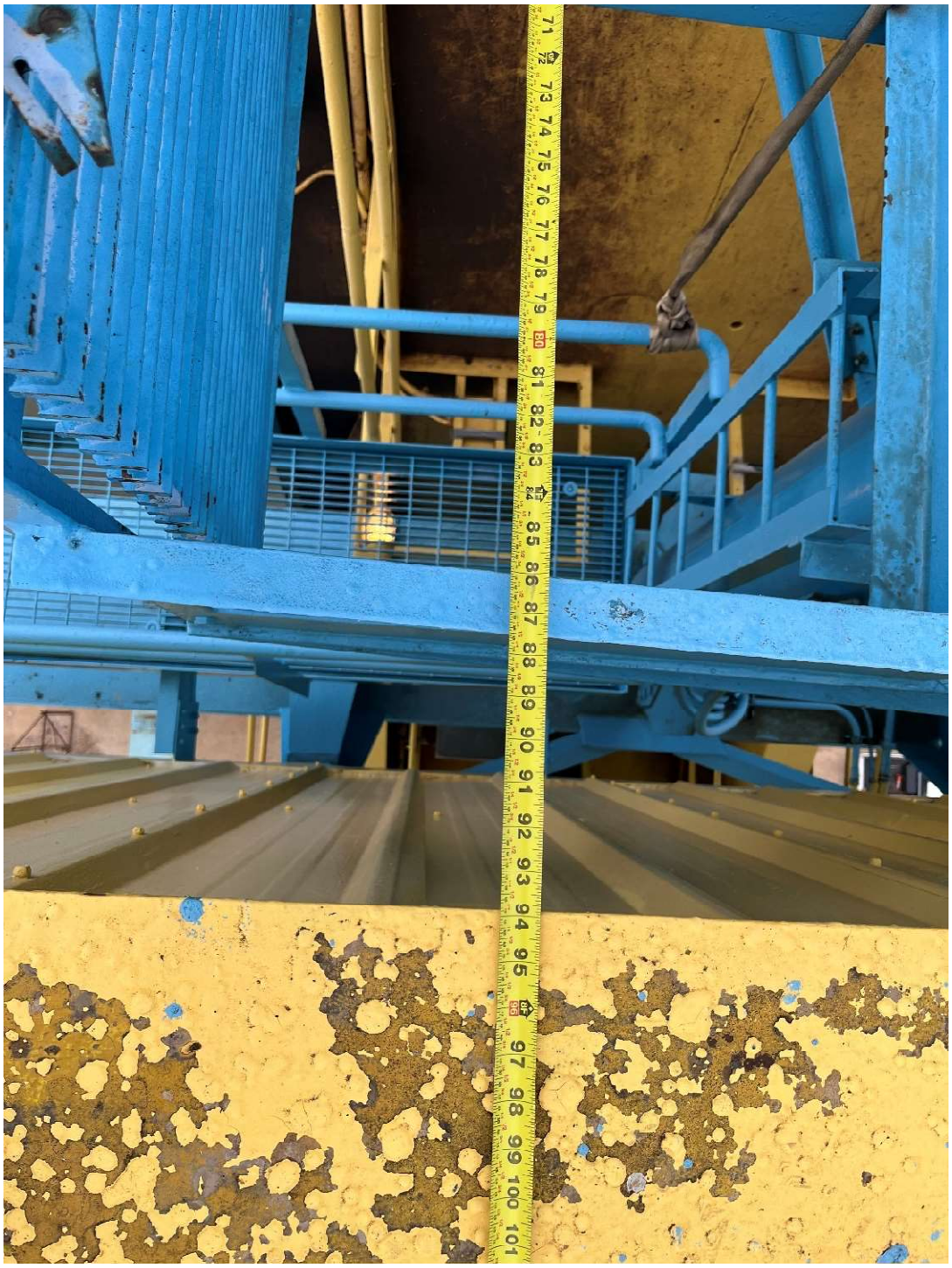
MIDDLE PLATFORM 3



MIDDLE PLATFORM 4

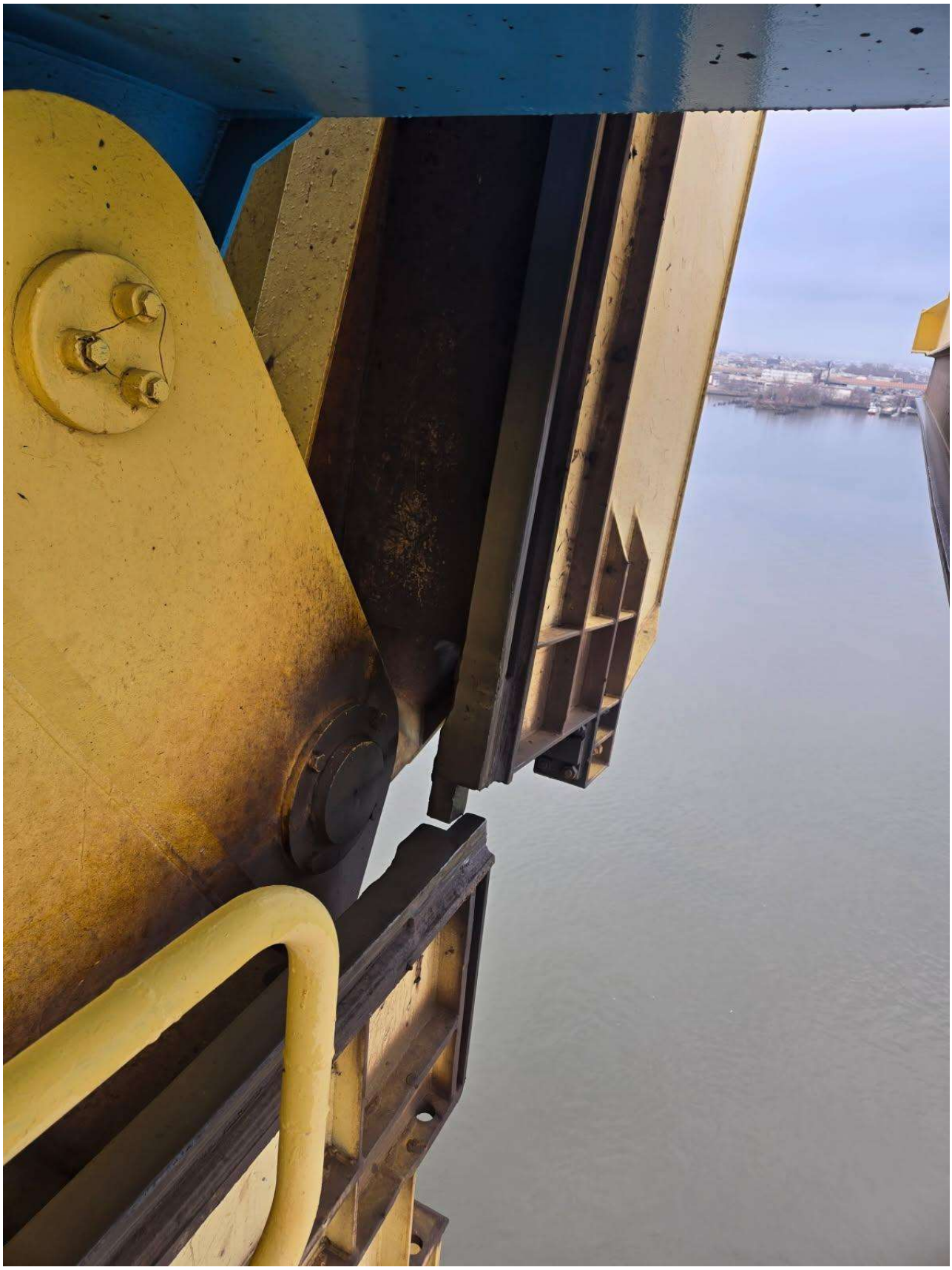


MIDDLE PLATFORM 5



MIDDLE PLATFORM 6

BOOM HINGE 1



BOOM HINGE 2

BOOM HINGE 3

BOOM HINGE 4

BOOM HINGE 5

BOOM HINGE 6

BOOM HINGE 7

BOOM HINGE 8

KOCKS Kranbau GmbH Mary Sommerville Str. 14, D-28359 Bremen Tel. (0421) -989729-70	**Welding Procedure Specification (WPS)** **Nr.:** *0131_02*	inspection authority (stamp)

Manufacturers' instruction

Standard:	*DIN EN ISO 15609-1* *DIN EN ISO 15614-1*	WPAR-No.:	*2014 007 700 2117*

Base material / dimensions

	Material - No.	Material type	Thickness [mm]	Diameter [mm]
I:	*1.0577*	*S355J2 +N*	10-25 mm	---

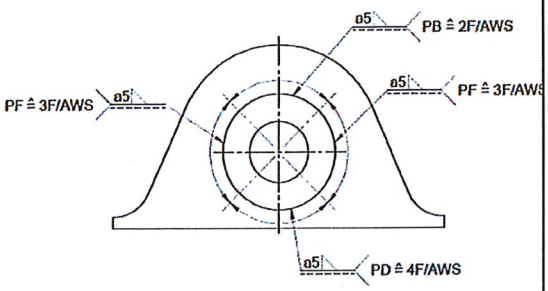
Welding additives / Gas

	Brand name	standard designation
A:	*Böhler Welding Phoenix 120 K*	*DIN EN ISO 2560-A: E 42 5 B 32 H5 / AWS A5.1: E 7018-1*

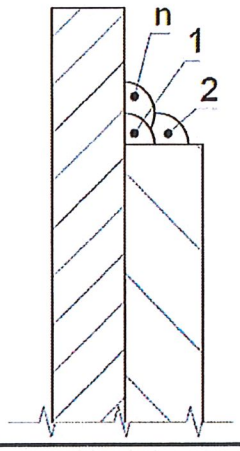
Welding conditions

Welding seam /welding position	*Fillet weld / PF (3F), PB (2F), PD (4F)*	Double swing (max. thickness of welding bead) *)	9 – 12 mm, max. 3d
Edge preparation	---	Pilot gas flow rate [l/min]	---
Gouging	---	Shielding gas flow ratee [l/min]	---
Weld pool safety	---	Forming gas flow rate[l/min]	---
Power source	*Rectfier*	Electrode -/Ø [mm]	*Ø 3,2 Ø 4 mm*

Layout of the welding



Weld sequence



Specification of the welding

Welding bead mm]	Process	Additives-Ø [mm]	additives	Amperage [A]	Voltage [V]	Kind of current / Pole	Wire feed drive [cm/min]	Nozzle distance [mm]	Rate of travel. *) [cm/min]
1	*111*	*3,2*	*A*	*Ca.110-130*	*ca.24,5*	*=/+*	---	---	---
2-n	*111*	*4,0*	*A*	*Ca.140-170*	*ca.26*	*=/+*	---	---	---

Weld heat treatment

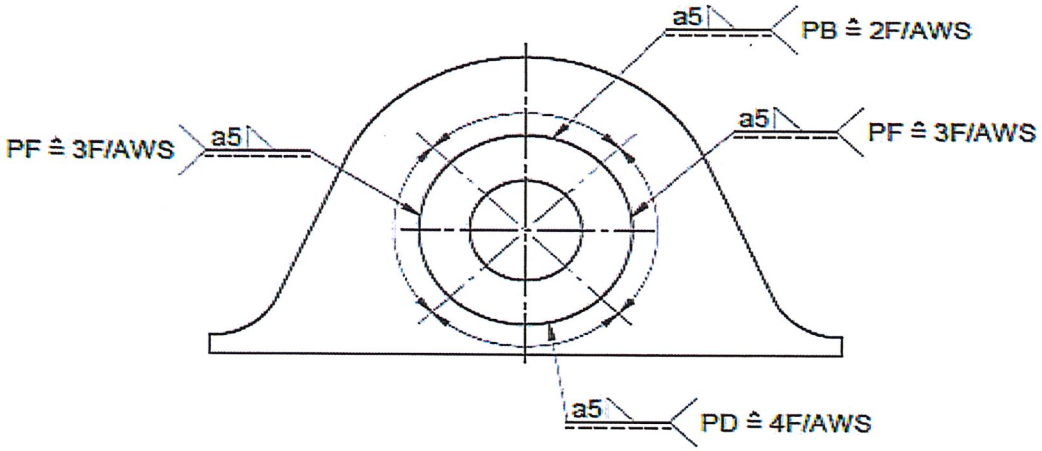
Preheating temperature [°C]	---	Heat treatment	---	Heating / cooling rate [°C/h]	---
Intermediate pad temperature. [°C]	*Max. 240°C*	Annealing temperature [°C]	---	Post weld heat treatment	---
Cooling condition	---	Holding time [min]	---	Temperature measuring	---

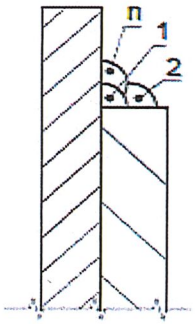
Bremen, 17.02.2025	*Cedric Kusche*	*South Jersey Port Corpoation*	
Place, Date	Welding engineer of manufacturer	Client	Inspection authority (stamp)

KOCKS Kranbau GmbH

Remarks for WPS 0131_02

a8mm ≙ z11,5mm





KOCKS Kranbau GmbH

Grooves to be welded shall be free from any dirt, rust and moisture before welding. Filler material must be dry, clean and free from defects. At welding site the electrodes shall be kept in the heated containers.

All starting and stopping points of the weld, edges of the weld and roughness of the weld shall be ground. Undersized or oversized weld passes should be avoided.

Welding area must be protected from the influence of the weather like rain or wind. The weld shall be let cool down by itself. Speeding up of the cooling is forbidden.

KOCKS Kranbau GmbH Mary Sommerville Str. 14, D-28359 Bremen Tel. (0421) -989729-70	**Welding Procedure Specification (WPS)** **Nr.:** *0298_01*	inspection authority (stamp)

Manufacturers' instruction

Standard:	*DIN EN ISO 15609-1* *DIN EN ISO 15614-1*	WPAR-No.:	*2016 007 715 0057*

Base material / dimensions

	Material - No.	Material type	Thickness [mm]	Diameter [mm]
I:	*1.0577*	*S355J2 +N*	16-30 mm	---

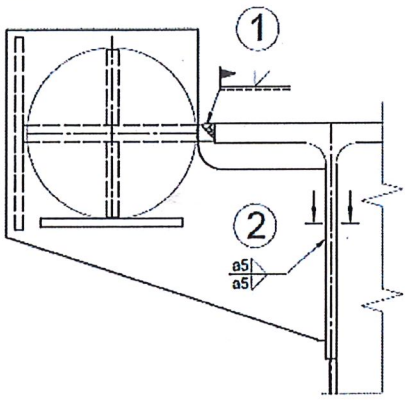
Welding additives / Gas

	Brand name	Standard designation
A:	*Böhler Welding Phoenix 120 K*	*DIN EN ISO 2560-A: E 42 5 B 32 H5 / AWS A5.1: E 7018-1*

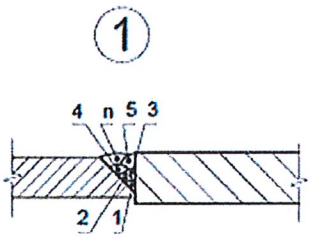
Welding conditions

Welding seam /welding position	*Butt weld / PA (1G)*	Double swing (max. thickness of welding bead) *)	*max. 3d*
Edge preparation	*Bevel 45°*	Pilot gas flow rate [l/min]	---
Gouging	---	Shielding gas flow ratee [l/min]	---
Weld pool backup	---	Forming gas flow rate[l/min]	---
Power source	*Rectfier*	Electrode -/Ø [mm]	*Ø 3,2 Ø 4 mm*

Layout of the welding



Weld sequence



Specification of the welding

Welding bead mm]	Process	Additive- Ø [mm]	Additives	Amperage [A]	Voltage [V]	Kind of current / Pole	Wire feed drive [cm/min]	Nozzle distance [mm]	Rate of travel. *) [cm/min]
1	*111*	*3,2*	*A*	*Ca.110-130*	*ca.25*	*=/+*	---	---	---
2-n	*111*	*4,0*	*A*	*Ca.160-180*	*ca.27*	*=/+*	---	---	---

Weld heat treatment

Preheating temperature [°C]	*100°C*	Heat treatment	---	Heating / cooling rate [°C/h]	---
Intermediate pad temperature. [°C]	*100°C - 240°C*	Annealing temperatur e [°C]	---	Post weld heat treatment	---
Cooling condition	---	Holding time [min]	---	Temperature measuring	*Pyrometer*

Bremen, 19.02.2025 Place, Date	*Cedric Kusche* KOCKS Kranbau GmbH Welding engineer or manufacturer	*South Jersey Port Corporation* Client	Inspection authority (stamp)

KOCKS Kranbau GmbH Mary Sommerville Str. 14, D-28359 Bremen Tel. (0421) -989729-70	**Welding Procedure Specification (WPS)** **Nr.:** *0298_02*	inspection authority (stamp)

Manufacturers' instruction

Standard:	*DIN EN ISO 15609-1* *DIN EN ISO 15614-1*	WPAR-No.:	*2014 007 700 2117*

Base material / dimensions

	Material - No.	Material type	Thickness [mm]	Diameter [mm]
I:	*1.0577*	*S355J2 +N*	10-15 mm	---

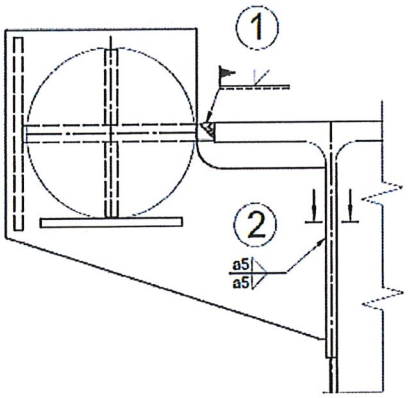
Welding additives / Gas

	Brand name	Standard designation
A:	*Böhler Welding Phoenix 120 K*	*DIN EN ISO 2560-A: E 42 5 B 32 H5 / AWS A5.1: E 7018-1*

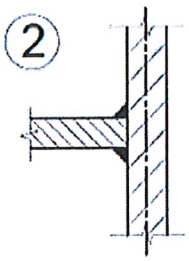
Welding conditions

Welding seam /welding position	*Fillet weld / PF (3F)*	Double swing (max. thickness of welding bead) *)	*max. 3d*
Edge preparation	---.	Pilot gas flow rate [l/min]	---
Gouging	---	Shielding gas flow ratee [l/min]	---
Weld pool backup	---	Forming gas flow rate[l/min]	---
Power source	*Rectfier*	Electrode -/Ø [mm]	*Ø 4 mm*

Layout of the welding



Weld sequence



Specification of the welding

Welding bead mm]	Process	Additive-Ø [mm]	Additives	Amperage [A]	Voltage [V]	Kind of current / Pole	Wire feed drive [cm/min]	Nozzle distance [mm]	Rate of travel. *) [cm/min]
1	*111*	*4,0*	*A*	*Ca.140-170*	*ca.26*	*=/+*	---	---	---

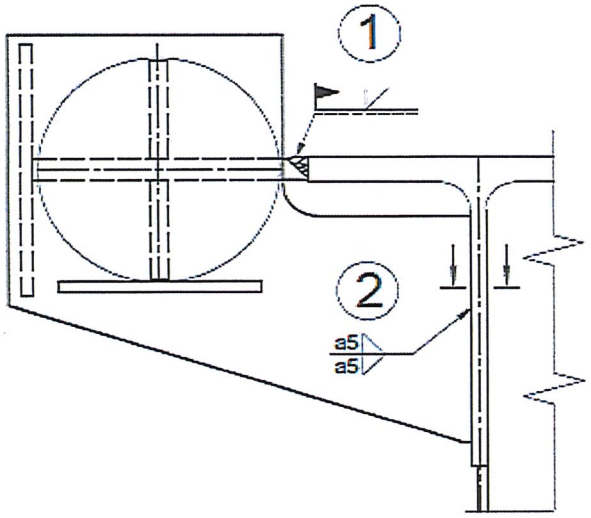
Weld heat treatment

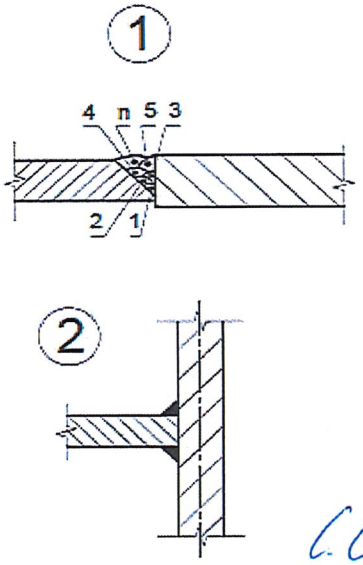
Preheating temperature [°C]	---	Heat treatment	---	Heating / cooling rate [°C/h]	---
Intermediate pad temperature. [°C]	*max. 240°C*	Annealing temperatur e [°C]	---	Post weld heat treatment	---
Cooling condition	---	Holding time [min]	---	Temperature measuring	*Pyrometer*

Bremen, 19.02.2025 Place, Date	*Cedric Kusche* Welding engineer of manufacturer	*South Jersey Port Corporation* Client	Inspection authority (stamp)

KOCKS Kranbau GmbH

Remarks for WPS 0298_01, 0298_02





a5mm ≙ z7mm

KOCKS Kranbau GmbH

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All starting and stopping points of the weld, edges of the weld and roughness of the weld shall be ground. Undersized or oversized weld passes should be avoided.

Welding area must be protected from the influence of the weather like rain or wind. The weld shall be let cool down by itself. Speeding up of the cooling is forbidden.