



Investigation Report - (Investigation UID - IR/MHC/PDD/26/00001)

Investigation Information

Investigation UID	IR/MHC/PDD/26/00001	Investigation Category	Property Damage
Investigation Status	Final Report Released	Created On	20-Feb-2026 02:54:21 PM
Approver Names(Validated, Final Report Released)	Renard Whatley, Laddie Gaffney, Alessandro Eaton, Elisabeth Lim, Rocco Otis, Sharde McClintock		

Incident Information

Incident UID	IMF/MHC/GRA/PD/26/00001	Incident Category	Property Damage
Site Name	Leeper	Department Name	NA
Incident Status	FinalReportReleased	Created On	19-Feb-2026 02:09:59 PM
Reported By	Laddie Gaffney		

Incident Description

During the lifting operation of a 22-ton cantilever beam from trailer at Zone-2B, B6 Level (Old Office T-20 South) to Tower-20, L11 Level for erection. while rotating, the tower crane jib end made contact with the facade glazing at Tower-10, Southeast side, L19 Level, causing damage to the facade glass panel.

Investigation Team

Renard Whatley, Laddie Gaffney, Sharde McClintock, Elisabeth Lim, Alessandro Eaton, Rocco Otis

Sections

Investigation basic details

Date of the Investigation: 19-Feb-2026	Location/ area: Tower-10 I19 Southeast corner	Work area In-charge (Name & Designation): Rohith arora-AM	Are people injured?: NA
Name of Injured Person(s): NA	Injured person(S) Belongs (Name of Contractor / Client): NA	Which Body Part of the injured?: NA	Emergency first aider on site?: No
Is any further treatment required for the injured person?: No	If yes, please mention the name of the hospital where the victim is receiving treatment including the Hospital location.: NA	Date and time of admission to hospital: NA	(Expected) Day of return to work: NA
Level of the incident/Accident: Property Damage	Specify If any others (Here):		

Investigation

1.How did the incident happen? (Be as detailed as possible)	During the lifting operation of a 22-ton cantilever beam from Zone-2B, B6 Level (Old Office T-20 South) to Tower-20, L11 Level for erection purposes, the tower crane horizontal mast deflected approximately 2 meters. As a result, the Tower crane jib end came into contact with the facade glazing at Tower-10, Southeast side, L19 Level, causing damage to the facade glass panel.
2.Were there any witnesses to this incident?	Yes
3.Have witness statements been taken?	Yes
4.Witness statements: (Including Name, Designation, Contractor details, etc.)	Mr. Muniroy, the Tower Crane Operator, stated that the 22-ton precast cantilever beam was hooked with chain slings at a 40-meter radius at Zone-2B (Old Site Office). The tower crane jib was then swung clockwise at a 32-meter radius at a height of approximately 72 meters. During this operation, the tower crane jib end struck the facade glass at Tower-10, L19 Level, resulting in damage to the facade glazing. Immediately after the incident, the precast cantilever beam was safely placed back at Zone-2B, B6 Level (Old Site Office).
5.What activities were being carried out at the time and any equipment involved (including make, model, serial no)	Precast element erection

6. Was there anything unusual or different about the working conditions at the time of the incident, such as the weather or an open day: make, model, serial no) (Copy)	comansa 50-tone(21CM1100/DT50T)
7. Did a lack of competency or training contribute to this incident?	No
Supporting documents:	NA
Training records	0
Other (Please Provide details)	NA
8. Was there a risk assessment /SOP/Method statement for the task?	Yes
9. Did the risk assessment/SOP/MOS cover all aspects of the task?	NA
10. Was it being followed? (Attached supporting documents)	Yes
11. Was safety equipment and/or personal protective equipment provided?	No
12. Was the equipment suitable for the task and being used correctly?	Yes
13. Was PPE used during the task?	No
14. Was PPE compatible with another PPE used?	No
15. Any similar incidents happened?	NA
16. Immediate underlying root cause:	Absence of proper lifting study considering crane deflection and proximity to nearby structures.
16(a). Why did the incident happen / detailed root cause? (Use the Five Why's technique to identify root causes)	<p>Why did the crane jib hit the facade glass? Because the crane jib slewed into unsafe proximity and made contact with the building facade.</p> <p>Why did the jib move into unsafe proximity? Because adequate clearance was not maintained during clockwise slewing at a 32-meter radius and 72-meter height.</p> <p>Why was sufficient clearance not ensured? Because crane deflection at a 40-meter lifting radius under 22-ton load was not properly evaluated during planning.</p> <p>Why was crane deflection and proximity risk not evaluated? Because the lifting plan did not include detailed engineering study, clearance mapping, and restricted slewing zone identification.</p> <p>Why did the lifting plan not include detailed engineering study and clearance controls? Because of inadequate lift planning procedures and failure to implement a structured high-risk lifting review and approval process.</p>
17. Possible root causes of the accidents/ Incident:	Human Error: Mistakes made by workers or equipment operators due to fatigue, distraction, or inexperience.
Other, please explain:	NA

Preventive Actions

UID	Site Name	Category Name	Assignee Name	Due Date	Created By	Description	Status
AT/MHC/GRA/INR/26/00017	Leeper	Investigation Report	Elisabeth Lim	20-Feb-2026 12:00:00 AM	Laddie Gaffney	Safety awareness training should be given to tower crane operators and signal mans	Closed
AT/MHC/GRA/INR/26/00018	Leeper	Investigation Report	Sharde McClintock	20-Feb-2026 12:00:00 AM	Laddie Gaffney	Meeting conducted with project head, civil and P&M. Decided to reduce the crane jib from 65 meters to 60 meters (5 meters reduced)	Resolved

AT/MHC/GRA/INR/26/00019	Leeper	Investigation Report	Elisabeth Lim	24-Feb-2026 12:00:00 AM	Laddie Gaffney	Tower Crane jib length reduced from 65 to 60 meters. (5meters reduced)	Assigned
AT/MHC/GRA/INR/26/00020	Leeper	Investigation Report	Nadia Swaney	21-Feb-2026 12:00:00 AM	Laddie Gaffney	Damaged Glass should be removed.	Assigned

Horizontal Deployment of Preventive Actions With in the Site

UID	Site Name	Category Name	Assignee Name	Due Date	Created By	Description	Status
AT/MHC/GRA/INR/26/00022	Leeper	Investigation Report	Elisabeth Lim	25-Feb-2026 05:30:00 AM	Laddie Gaffney	Identification and marking of restricted slewing zones for all tower cranes operating near structures.	Assigned

Horizontal Deployment of Preventive Actions Across the Sites

UID	Site Name	Category Name	Assignee Name	Due Date	Created By	Description	Status
AT/MHC/VIP/INR/26/00028	Vinings	Investigation Report	Sheridan Smothers	07-Mar-2026 12:00:00 AM	Renard Whatley	Conduct a detailed review of all tower cranes installed at your respective site to assess proximity to existing structures, facade elements, or future construction zones (if any), and prepare a documented clearance assessment report.	Resolved
AT/MHC/VIP/INR/26/00029	Vinings	Investigation Report	Sheridan Smothers	04-Mar-2026 12:00:00 AM	Renard Whatley	Verify crane load charts and confirm permissible lifting capacity for maximum operating radius at your site. ACD installation for tower crane at your site Submit documented verification signed by site P&M Head	Resolved

AT/MHC/VIP/INR/26/00030	Vinings	Investigation Report	Sheridan Smothers	04-Mar-2026 12:00:00 AM	Renard Whatley	Conduct refresher training for all tower crane operators, signalmen, and lifting supervisors on crane deflection impact, safe clearance envelope, and restricted slewing control. Upload attendance sheet and training photos.	Resolved
AT/MHC/MH9/INR/26/00017	Fleischmanns	Investigation Report	Matias Piatt	07-Mar-2026 12:00:00 AM	Renard Whatley	Conduct a detailed review of all tower cranes installed at your respective site to assess proximity to existing structures, facade elements, or future construction zones (if any), and prepare a documented clearance assessment report.	Resolved
AT/MHC/MH9/INR/26/00018	Fleischmanns	Investigation Report	Matias Piatt	04-Mar-2026 12:00:00 AM	Renard Whatley	Verify crane load charts and confirm permissible lifting capacity for maximum operating radius at your site. ACD installation for tower crane at your site Submit documented verification signed by site P&M Head	Resolved

AT/MHC/MH9/INR/26/00019	Fleischmanns	Investigation Report	Matias Piatt	04-Mar-2026 12:00:00 AM	Renard Whatley	Conduct refresher training for all tower crane operators, signalmen, and lifting supervisors on crane deflection impact, safe clearance envelope, and restricted slewing control. Upload attendance sheet and training photos.	Resolved
AT/MHC/NIS/INR/26/00017	Rosewood	Investigation Report	Isaak Shoaf	07-Mar-2026 12:00:00 AM	Renard Whatley	Conduct a detailed review of all tower cranes installed at your respective site to assess proximity to existing structures, facade elements, or future construction zones (if any), and prepare a documented clearance assessment report.	Assigned
AT/MHC/NIS/INR/26/00018	Rosewood	Investigation Report	Isaak Shoaf	04-Mar-2026 05:30:00 AM	Renard Whatley	Verify crane load charts and confirm permissible lifting capacity for maximum operating radius at your site. ACD installation for tower crane at your site. Submit documented verification signed by site P&M Head.	Assigned

AT/MHC/NIS/INR/26/00019	Rosewood	Investigation Report	Isaak Shoaf	04-Mar-2026 05:30:00 AM	Renard Whatley	Conduct refresher training for all tower crane operators, signalmen, and lifting supervisors on crane deflection impact, safe clearance envelope, and restricted slewing control. Upload attendance sheet and training photos.	Assigned
AT/MHC/GRA/INR/26/00024	Leeper	Investigation Report	Laddie Gaffney	07-Mar-2026 05:30:00 AM	Renard Whatley	Conduct a detailed review of all tower cranes installed at your respective site to assess proximity to existing structures, facade elements, or future construction zones (if any), and prepare a documented clearance assessment report.	Assigned
AT/MHC/GRA/INR/26/00025	Leeper	Investigation Report	Laddie Gaffney	04-Mar-2026 05:30:00 AM	Renard Whatley	Verify crane load charts and confirm permissible lifting capacity for maximum operating radius at your site. ACD installation for tower crane at your site. Submit documented verification signed by site P&M Head	Assigned

AT/MHC/GRA/INR/26/00026	Leeper	Investigation Report	Laddie Gaffney	04-Mar-2026 12:00:00 AM	Renard Whatley	Conduct refresher training for all tower crane operators, signalmen, and lifting supervisors on crane deflection impact, safe clearance envelope, and restricted slewing control. Upload attendance sheet and training photos.	Resolved
AT/MHC/GRR/INR/26/00017	Alanreed	Investigation Report	Phillip Gaffney	07-Mar-2026 12:00:00 AM	Renard Whatley	Conduct a detailed review of all tower cranes installed at your respective site to assess proximity to existing structures, facade elements, or future construction zones (if any), and prepare a documented clearance assessment report.	Resolved
AT/MHC/GRR/INR/26/00018	Alanreed	Investigation Report	Phillip Gaffney	04-Mar-2026 12:00:00 AM	Renard Whatley	Verify crane load charts and confirm permissible lifting capacity for maximum operating radius at your site. ACD installation for tower crane at your site Submit documented verification signed by site P&M Head	Resolved

AT/MHC/GRR/INR/26/00019	Alanreed	Investigation Report	Phillip Gaffney	04-Mar-2026 12:00:00 AM	Renard Whatley	Conduct refresher training for all tower crane operators, signalmen, and lifting supervisors on crane deflection impact, safe clearance envelope, and restricted slewing control. Upload attendance sheet and training photos.	Resolved
AT/MHC/AKR/INR/26/00021	Cowgill	Investigation Report	Mauro Piatt	07-Mar-2026 12:00:00 AM	Renard Whatley	Conduct a detailed review of all tower cranes installed at your respective site to assess proximity to existing structures, facade elements, or future construction zones (if any), and prepare a documented clearance assessment report.	Resolved
AT/MHC/AKR/INR/26/00022	Cowgill	Investigation Report	Mauro Piatt	04-Mar-2026 05:30:00 AM	Renard Whatley	Verify crane load charts and confirm permissible lifting capacity for maximum operating radius at your site. ACD installation for tower crane at your site. Submit documented verification signed by site P&M Head	Assigned

AT/MHC/AKR/INR/26/00023	Cowgill	Investigation Report	Mauro Piatt	04-Mar-2026 12:00:00 AM	Renard Whatley	Conduct refresher training for all tower crane operators, signalmen, and lifting supervisors on crane deflection impact, safe clearance envelope, and restricted slewing control. Upload attendance sheet and training photos.	Resolved
AT/MHC/APA/INR/26/00031	Bowers	Investigation Report	Brayden Piatt	07-Mar-2026 12:00:00 AM	Renard Whatley	Conduct a detailed review of all tower cranes installed at your respective site to assess proximity to existing structures, facade elements, or future construction zones (if any), and prepare a documented clearance assessment report.	Assigned
AT/MHC/APA/INR/26/00032	Bowers	Investigation Report	Brayden Piatt	04-Mar-2026 12:00:00 AM	Renard Whatley	Verify crane load charts and confirm permissible lifting capacity for maximum operating radius at your site. ACD installation for tower crane at your site. Submit documented verification signed by site P&M Head	Assigned

AT/MHC/APA/INR/26/00033	Bowers	Investigation Report	Chaka Leathers	04-Mar-2026 12:00:00 AM	Renard Whatley	Conduct refresher training for all tower crane operators, signalmen, and lifting supervisors on crane deflection impact, safe clearance envelope, and restricted slewing control. Upload attendance sheet and training photos.	Resolved
AT/MHC/AVA/INR/26/00017	Weldona	Investigation Report	Dalvin Piatt	07-Mar-2026 05:30:00 AM	Renard Whatley	Conduct a detailed review of all tower cranes installed at your respective site to assess proximity to existing structures, facade elements, or future construction zones (if any), and prepare a documented clearance assessment report.	Assigned
AT/MHC/AVA/INR/26/00018	Weldona	Investigation Report	Dalvin Piatt	04-Mar-2026 05:30:00 AM	Renard Whatley	Verify crane load charts and confirm permissible lifting capacity for maximum operating radius at your site. ACD installation for tower crane at your site. Submit documented verification signed by site P&M Head	Assigned

AT/MHC/AVA/INR/26/00019	Weldona	Investigation Report	Dalvin Piatt	04-Mar-2026 12:00:00 AM	Renard Whatley	Conduct refresher training for all tower crane operators, signalmen, and lifting supervisors on crane deflection impact, safe clearance envelope, and restricted slewing control. Upload attendance sheet and training photos.	Resolved
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