

Forensic Architecture is a multidisciplinary research group based at Goldsmiths, University of London, that uses architectural techniques and technologies to investigate cases of state violence and violations of human rights around the world.

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Israeli military conduct in Gaza during the 2025 ceasefire

Incident analysis between 19 January and 9 February 2025

Report by Forensic Architecture

25 February 2025

A CONTEXT

- 1 On 19 January 2025, a ceasefire between Israel and Hamas in Gaza came into effect. Forensic Architecture (FA) collected and confirmed data relating to seventeen incidents that constituted acts of violence committed by the Israeli military between 19 January and 9 February 2025. These acts include the targeting and killing of civilians, and the destruction of urban and civilian infrastructure. The data collected and confirmed should not be considered exhaustive.
- 2 Methodologically, the collection and analysis of evidence relating to potential ceasefire violations follows the methods deployed in the development of FA's October 2024 report 'A Spatial Analysis of the Israeli Military's Conduct in Gaza since October 2023'.¹

1 *Definition:*

- 3 **Ceasefire buffer zones:** The 'ceasefire buffer zones', as reportedly outlined in the ceasefire agreement between Israel and Hamas, refer to designated areas within the Gaza Strip where Israeli military forces are temporarily permitted to maintain a presence following their withdrawal from certain key positions, as also outlined in the agreement.² This new spatial area normalises the expanded buffer zone³ announced by the Israeli military in November 2023, including at least one kilometre of land on the northern and eastern sides of the Gaza Strip⁴, as well as the surrounding areas of the Netzarim and Philadelphi Corridors. The ceasefire agreement reportedly stipulates that the Israeli military will withdraw eastward from densely populated areas along the borders of the Gaza Strip, including Wadi Gaza, the Netzarim Corridor, and the Kuwait Roundabout. Over the course of the first phase of the ceasefire, the withdrawal is set to occur in three stages (on days 1, 7, and 22), each with a different set of boundaries for the agreed upon buffer zones (see [Figure 1](#), [Figure 2](#), [Figure 3](#)).⁵ The whole length of the Netzarim Corridor, for instance, is included within the buffer zone during the first phase of withdrawal from residential areas

¹ Forensic Architecture, 'A Spatial Analysis of the Israeli Military's Conduct in Gaza since October 2023' (2024) <https://content.forensic-architecture.org/wp-content/uploads/2024/10/FA_A-Spatial-Analysis-of-the-Israeli-militarys-conduct-in-Gaza-since-October-2023.pdf> accessed 18 February 2025

² 'Israel-Gaza Ceasefire: Full Text of Agreement' (15 January 2025) <<https://www.middleeasteye.net/news/israel-gaza-ceasefire-full-text-agreement>> accessed 18 February 2025

³ In our 2024 report, we elaborated on the history of the role of the military buffer zone in Gaza and its expansion after November 2023. Forensic Architecture, 'A Spatial Analysis of the Israeli Military's Conduct in Gaza since October 2023' 19, 57.

⁴ المنسق, Facebook <<https://www.facebook.com/photo.php?fbid=659312296309468&set=pb.100066921098856.-2207520000&type=3>> accessed 20 February 2025.

⁵ The boundaries of these ceasefire buffer zones were obtained from the Institute for the Study of War: 'Iran Update, January 19, 2025' (19 January 2025) <<https://www.understandingwar.org/backgrounder/iran-update-january-19-2025>> accessed 18 February 2025; 'Iran Update, January 27, 2025' (27 January 2025) <<https://www.understandingwar.org/backgrounder/iran-update-january-27-2025>> accessed 18 February 2025; 'Iran Update, February 10, 2025' (10 February 2025) <<https://www.understandingwar.org/backgrounder/iran-update-february-10-2025>> accessed 18 February 2025.

(see [Figure 1](#)), but is progressively excluded over the next two phases as part of the Israeli military's obligation to withdraw from this area (see [Figure 2](#), [Figure 3](#)).

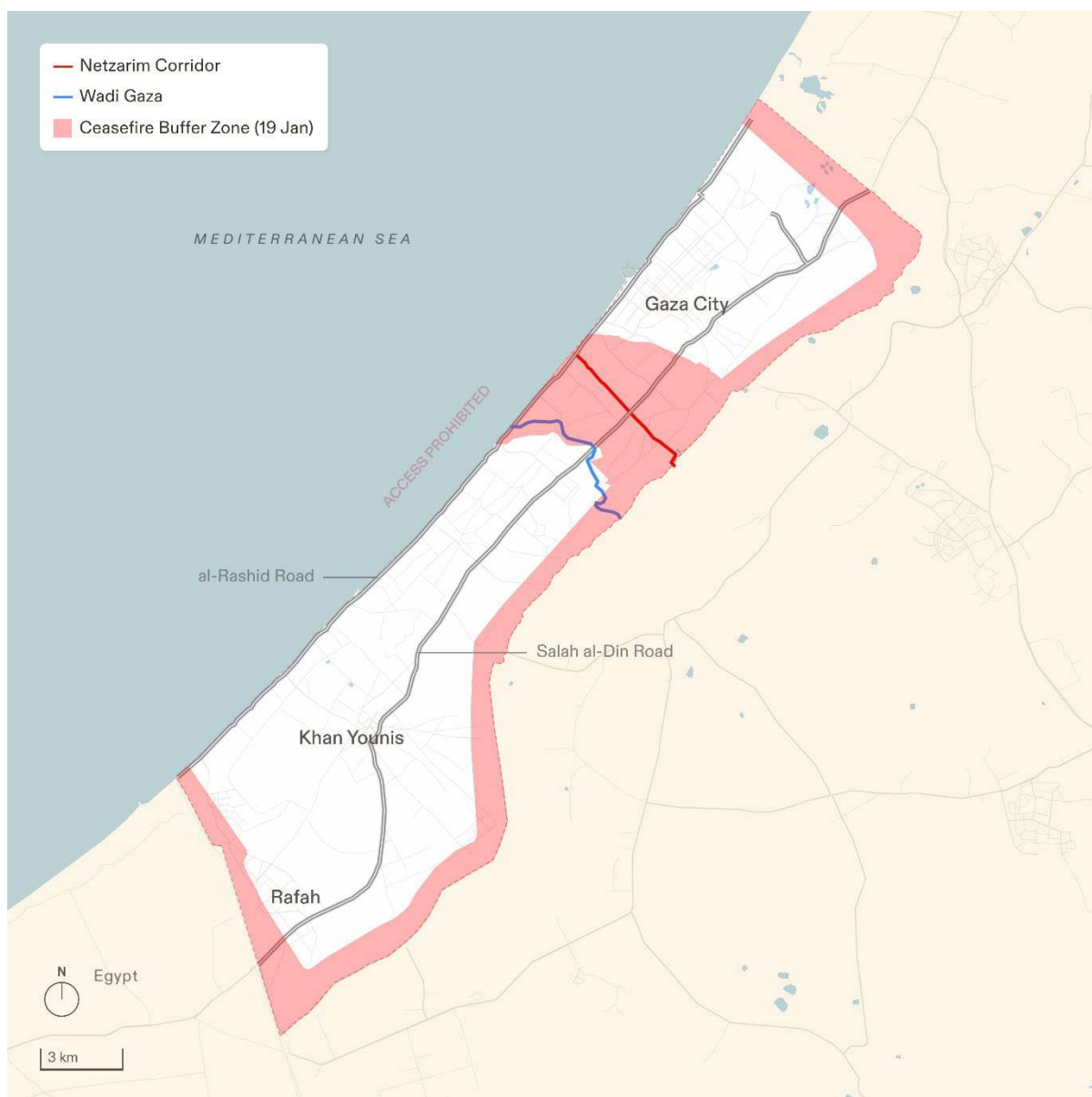


Figure 1: Map of the ceasefire buffer zone on 19 January.



Figure 2: Map of the ceasefire buffer zone that was scheduled to come into effect on 25 January but was delayed to 27 January.



Figure 3: Map of ceasefire buffer zone on 9 February.

B TIMELINE

- 4 **19 January:** The ceasefire was reportedly scheduled to take effect at 8:30 local time, but its implementation was delayed until 11:15.⁶ Over the course of the ceasefire's first day, the Israeli military withdrew from residential areas, including Jabalia and Beit Hanoun in northern Gaza, and redeployed to a new ceasefire buffer zone that included the Netzarim and Philadelphi Corridors (see [Figure 1](#)), and an area extending along the eastern and northern perimeter of the Gaza Strip.⁷
- 5 **25 January:** According to the terms of the ceasefire agreement, the Israeli military would reopen and demilitarise al-Rashid Road (also referred to as Rashid Street and al-Rashid Street): 'On day 7 [25 January 2025], the internally displaced pedestrians will be allowed to return north, without carrying arms and without inspection via Rashid street'.⁸ The military instead reinstated civilian access to the road on 27 January (see [Figure 2](#)).
- 6 **27 January:** The Israeli military withdrew from the western (coastal) part of the Netzarim Corridor. The coastal al-Rashid Road was opened to Palestinians pedestrians travelling from southern Gaza to the northern part of the Gaza Strip, involving passage through the corridor. Palestinians were able to drive north along the Salah al-Din Road after successfully completing inspections being conducted by US and Egyptian private security contractors at the Netzarim Corridor checkpoint.⁹
- 7 **9 February:** The Israeli military completed its withdrawal from the Netzarim Corridor, relocating towards the agreed 9 February ceasefire buffer zone (see [Figure 3](#)) along the Gaza perimeter. At this time, the ceasefire buffer zone still included the first kilometre of the Netzarim Corridor.¹⁰

6 'Key Events That Led to Israel-Hamas Ceasefire Deal in Gaza' (16 January 2025)

<<https://www.bbc.co.uk/news/articles/cvg4ryde7q5o>> accessed 18 January 2025; 'Ceasefire Delayed as Netanyahu Demands Hostage List from Hamas' (19 January 2025) <<https://www.nbcnews.com/news/world/live-blog/israel-hamas-ceasefire-live-updates-rcna188245>> accessed 18 February 2025.

7 'Israel-Hamas Ceasefire Takes Effect in Gaza' (19 January 2025) <<https://www.aljazeera.com/news/2025/1/19/israel-hamas-ceasefire-takes-effect-in-gaza>> accessed 18 February 2025; 'Iran Update, January 19, 2025' (19 January 2025) <<https://www.understandingwar.org/backgrounder/iran-update-january-19-2025>> accessed 18 February 2025.

8 'Israel-Gaza Ceasefire: Full Text of Agreement' (15 January 2025) <<https://www.middleeasteye.net/news/israel-gaza-ceasefire-full-text-agreement>> accessed 18 February 2025

9 'Iran Update, January 27, 2025' (27 January 2025) <<https://www.understandingwar.org/backgrounder/iran-update-january-27-2025>> accessed 18 February 2025

10 'Iran Update, February 9, 2025' (9 February 2025) <<https://www.understandingwar.org/backgrounder/iran-update-february-9-2025>> accessed 18 February 2025; 'Israeli Forces Withdraw from Gaza's Netzarim Corridor' (9 February 2025) <<https://www.aljazeera.com/news/2025/2/9/israeli-forces-withdraw-from-gazas-netzarim-corridor>> accessed 18 February 2025.



Figure 4: Map of ceasefire buffer zone on 9 February and Israeli military withdrawals from 27 January and 9 February.

C ATTACKS ON CIVILIANS

8 We confirmed sixteen attacks on civilians by Israeli forces in Gaza between 19 January and 9 February 2025 (see Figure 5), including shootings and airstrikes (see section F).



Figure 5: Map of attacks on civilians in Gaza between 19 January and 9 February.

1 *Philadelphi Corridor / al-Awda Roundabout*

- 9 We confirmed four attacks on civilians by the Israeli military on 19 January in Rafah near the Philadelphi Corridor, close to the al-Awda Roundabout,¹¹ which included tanks opening fire on Palestinian civilians [50119-25867] and the killing of one such civilian [50119-25978] (see [Figure 6](#)).
- 10 Using shadow analysis of the visual evidence, we confirmed that the four attacks in this area occurred in the morning of 19 January, likely before the delayed ceasefire took effect at 11:15.

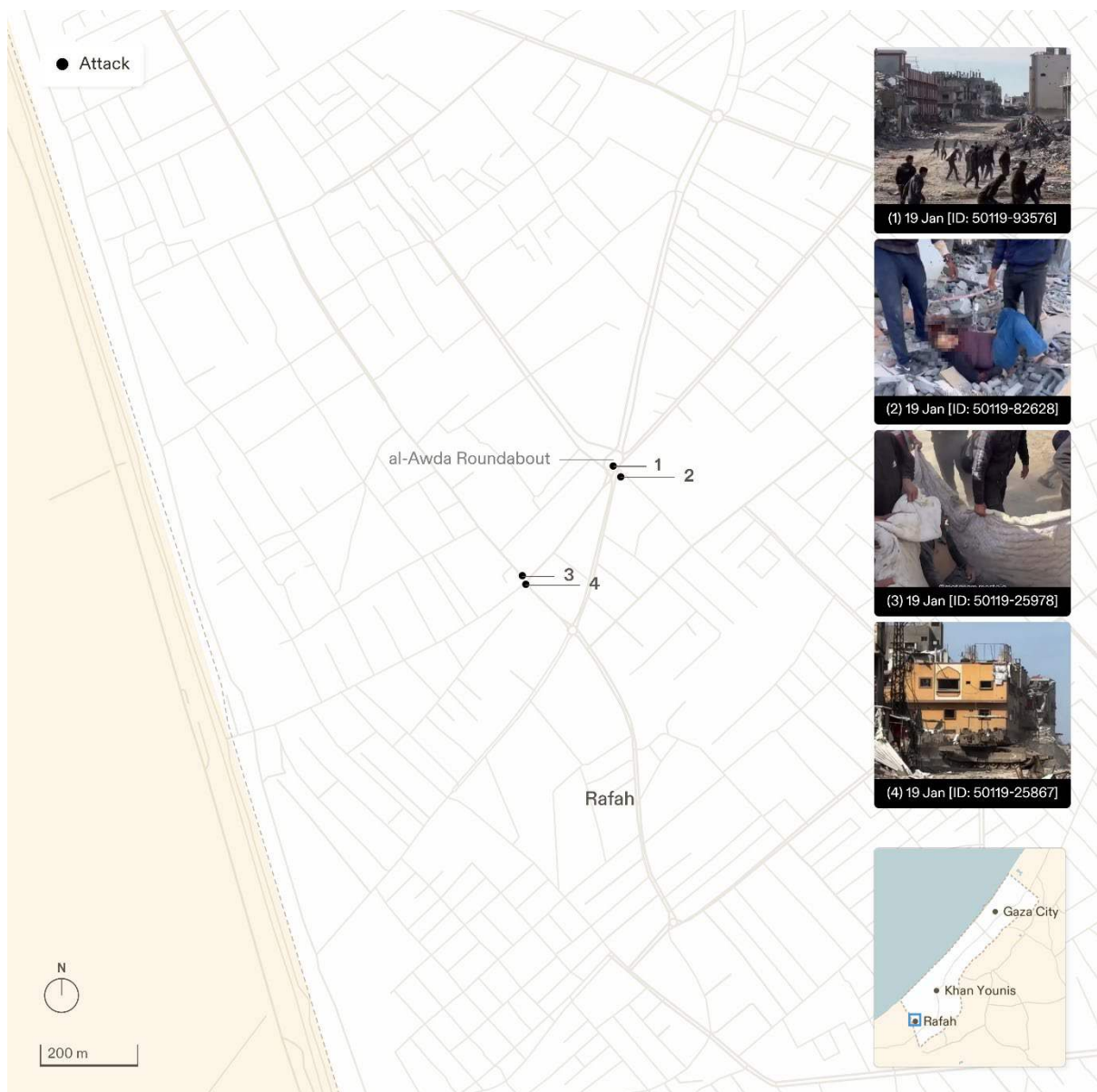


Figure 6: Map of attacks on civilians on 19 January in Rafah: (1) [ID: 50119-93576], (2) [ID: 50119-82628], (3) [ID: 50119-25978], (4) [ID: 50119-25867]

¹¹ [IDs: 50119-93576, 50119-82628, 50119-25978, 50119-25867]

- 11 Following the implementation of the ceasefire at 11:15 on 19 January, we confirmed another Israeli military attack on civilians in the vicinity of al-Awda Roundabout in Rafah [ID: 50119-83536].
- 12 We confirmed three further incidents between 20 January and 9 February of Israeli military attacks on civilians in the vicinity of the al-Awda Roundabout in Rafah (see [Figure 7](#)), including the killing of a child, Zakaria Hamid Yahya Barbakh, on 20 January [ID: 50120-35137].



Figure 7: Map of attacks on civilians between 19 January and 9 February in Rafah: (1) [ID: 50119-83536], (2) [ID: 50120-35137], (3) [ID: 50120-54579], (4) [ID: 50126-54858]

2 *Salah al-Din and al-Rashid Roads*

- 13 Salah al-Din and al-Rashid Roads are the only routes along which Palestinians were allowed, under the terms of the ceasefire, to return to northern Gaza (see Section B). Both roads are intersected by the Netzarim Corridor and the newly established ceasefire buffer zone, which run east-west across the Strip.
- 14 We confirmed footage that showed Palestinian civilians being fired upon at Salah al-Din and al-Rashid roads on 25 and 26 January, in areas located south of the Netzarim Corridor, while waiting to travel to the north of Gaza along these main roads.¹²
- 15 Reports¹³ indicate that, on 2 February, an Israeli drone targeted a vehicle on al-Rashid Road, injuring 7 Palestinians [ID: 50202-91683] in an area that had previously been part of the ceasefire buffer zone, which the Israeli military had withdrawn from on 27 January (see [Figure 8](#)).

¹² [IDs: 50125-71215, 50126-70238, 50126-65618]

¹³ '7 Palestinians Injured in Israeli Strikes in Gaza despite Ceasefire' (2 February 2025)

<<https://www.middleeastmonitor.com/20250202-7-palestinians-injured-in-israeli-strikes-in-gaza-despite-ceasefire/>> accessed 18 February 2025

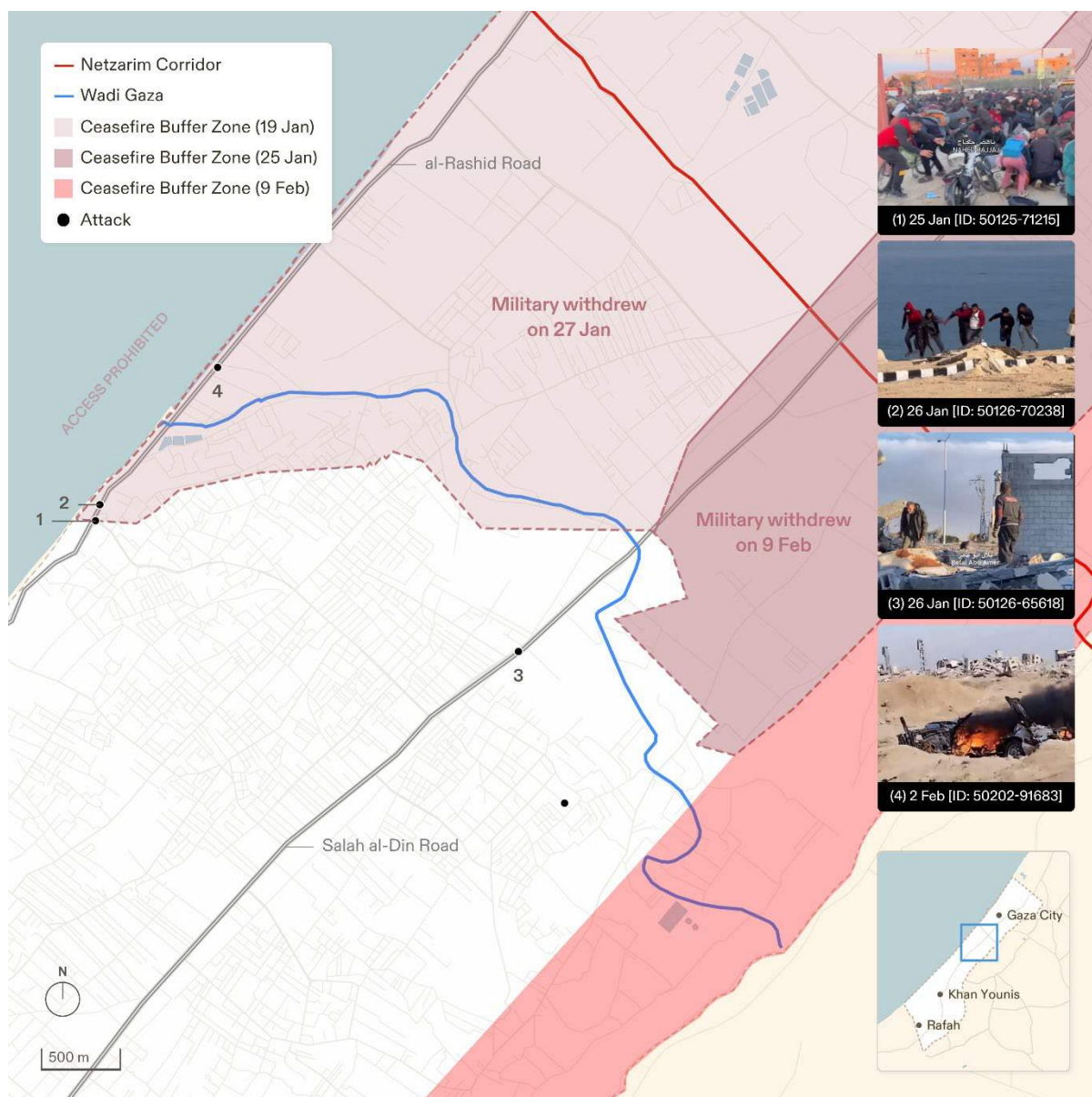


Figure 8: Map of attacks on civilians between 19 January and 9 February along Salah al-Din and al-Rashid Roads in Deir al-Balah: (1) [ID: 50125-71215], (2) [ID: 50126-70238], (3) [ID: 50126-65618], (4) [ID: 50202-91683]

D DESTRUCTION OF CIVILIAN AND URBAN INFRASTRUCTURE SINCE CEASEFIRE

1 *Netzarim Corridor*

- 16 On 24 January, a video was posted on X (formerly Twitter) showing the demolition of a building near the Netzarim Corridor [ID: 50124-53431] within an area of the ceasefire buffer zone still controlled by the Israeli military (see [Figure 9](#)). Using a satellite image from Planet, captured on 28 January, following the military's withdrawal from the area, we confirmed the destruction of the building we geolocated from the video, as well as the destruction of a second building nearby (see [Figure 10](#)).



[Figure 9](#): Frames of video of the demolishing of building in Netzarim Corridor on 24 January. [ID: 50124-53431]



Figure 10: Top: A satellite image, captured on 24 January, shows two buildings standing. The building marked as '1' corresponds to the geolocated video in Figure 9. Bottom: A satellite image, captured on 28 January, shows both buildings destroyed.

- 17 Comparing satellite images taken on 24 January and 2 February reveals further destruction of buildings in Juhor-ad Dik, located south of the Netzarim Corridor, within the designated ceasefire buffer zone (see [Figure 11](#)).



Figure 11: Top: Satellite image taken on 24 January, shows eight buildings standing in Juhor ad-Dik, south of Netzarim Corridor, in the ceasefire buffer zone. Bottom: Satellite image taken on 2 February shows that eight buildings have been demolished.

- 18 A satellite image from 2 February shows several buildings near the Netzarim Corridor in the ceasefire buffer zone while still under the control of the Israeli military (see [Figure 12](#)). Among these structures are Wadi Gaza Prep Co-ed and Caesarea Secondary Co-education schools, both UNRWA institutions. Subsequent imagery from 14 February, taken after the military withdrawal on 9 February, reveals the destruction of multiple buildings, including both schools.

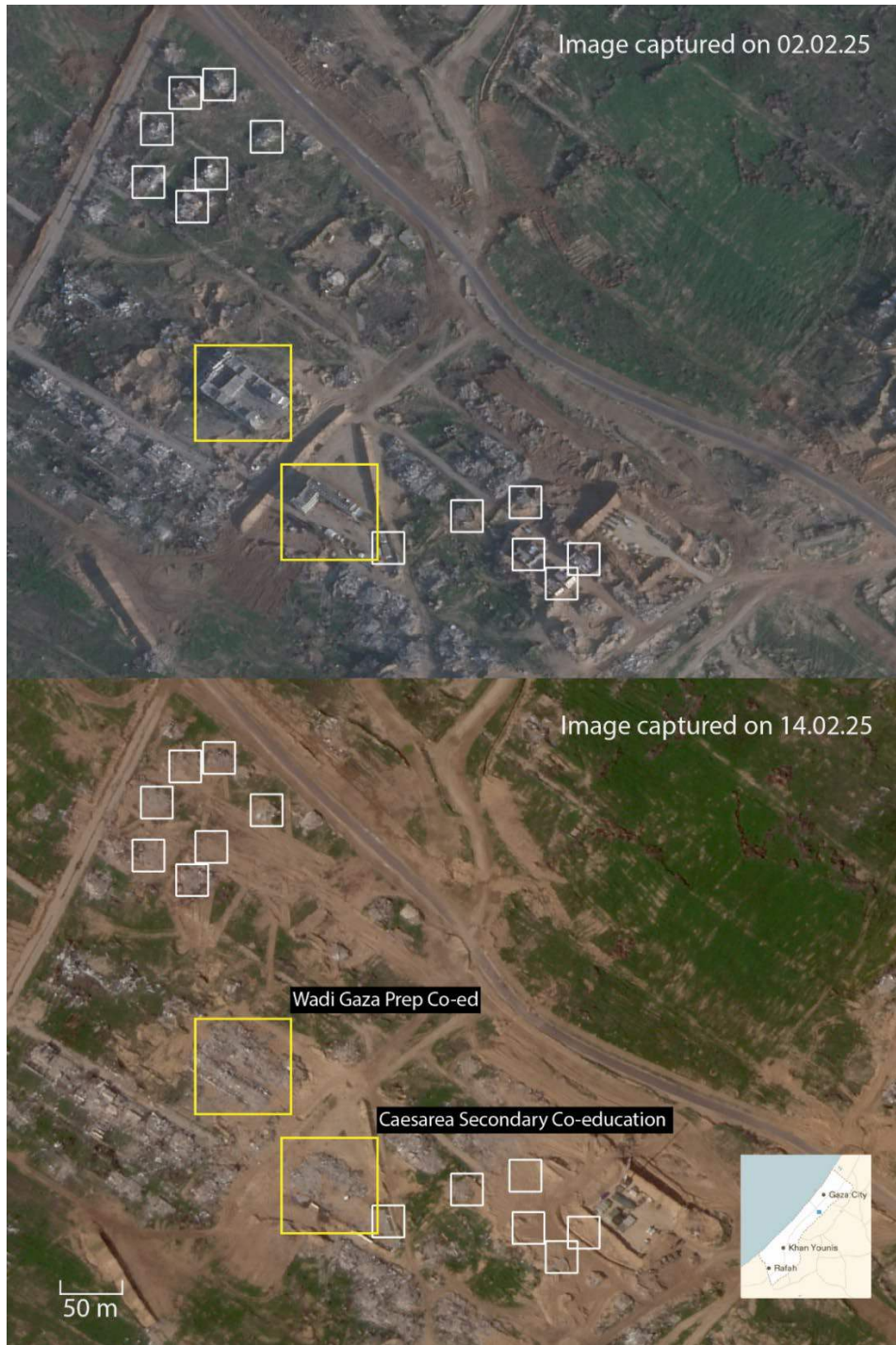


Figure 12: Top: A satellite image taken on 2 February shows several buildings standing adjacent to the Netzarim Corridor, in the ceasefire buffer zone. Bottom: Satellite image taken on 14 February shows that at least fifteen buildings—including the two seen in the image from 2 February—have been demolished.

2 Rafah

- 19 A satellite image taken between 19 January and 1 February shows the destruction of buildings in Rafah, inside the ceasefire buffer zone (see [Figure 13](#), [Figure 14](#), [Figure 15](#)).



Figure 13: Top: A satellite image taken on 19 January shows five buildings standing in the ceasefire buffer zone. Bottom: A satellite image taken on 1 February shows that those five buildings have been destroyed.



Figure 14: Top: A satellite image taken on 19 January shows four buildings standing. Bottom: A satellite image taken on 1 February shows that those four buildings have been destroyed.



Figure 15: Top: A satellite image taken on 19 January 2025 shows seven buildings standing. Bottom: A satellite image on 1 February 2025 shows that those seven buildings have been destroyed.

- 20 Based on satellite imagery, Al Jazeera reported that as of 1 February, 64 buildings in Rafah had been destroyed since the ceasefire came into effect on 19 January.¹⁴

¹⁴ 'Despite ceasefire, Israel destroying homes in Gaza' (Al Jazeera) (15 February 2025) <<https://www.aljazeera.com/news/2025/2/15/despite-ceasefire-israel-still-destroying-homes-in-gaza?>> accessed 18 February 2025

E CIVILIAN INFRASTRUCTURE WITHIN 9 FEBRUARY CEASEFIRE BUFFER ZONE

1 Hospitals and schools

21 Our analysis reveals that one hospital, two field hospitals, and thirty-five schools are located within the 9 February ceasefire buffer zone; two of the medical facilities were out of service and thirty-one schools were destroyed or damaged as of 19 January (see [Figure 16](#), [Figure 17](#), [Figure 18](#); since many of those buildings have suffered significant structural damage since October 2023, [Figure 18](#) includes satellite imagery from before and after the invasion, for the purposes of clarity and identification).



Figure 16: Map of educational facilities inside the ceasefire buffer zone. See [Figure 18](#) for numbered locations.

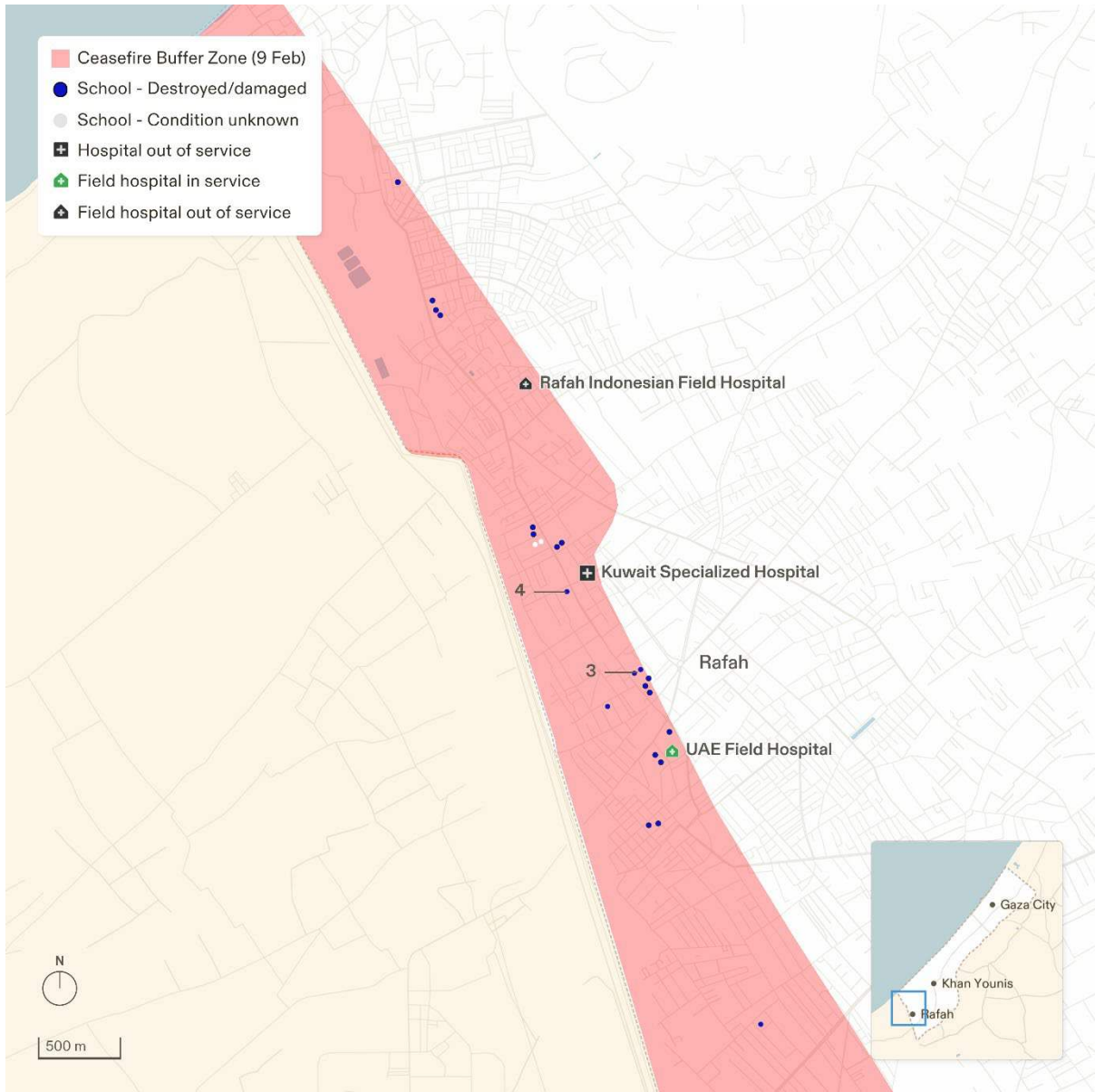


Figure 17: Map of hospitals and schools within the cease-fire buffer zone in Rafah.



Figure 18: Examples of destroyed/damaged educational facilities from Figure 16. Left: Undamaged school. Right: Destroyed/damaged school.

2 Residential areas

The 9 February ceasefire buffer zone continued to encompass residential areas in Deir al-Balah, Gaza City, Khan Yunis, North Gaza and Rafah. We looked at a cross-section of residential neighbourhoods located in different parts of the ceasefire buffer zone, including al-Kabira, Judor ad-Dik, Rafah camp, Omar al-Nasr, and Tel al-Sultan camp (see [Figure 19](#); since many of those areas have suffered significant structural damage since October 2023, [Figure 20](#) and [Figure 21](#) include satellite imagery from before and after the invasion, for the purposes of clarity and identification).



Figure 19: Map of selected residential areas inside the 9 February ceasefire buffer zone. The numbers refer to specific sites that have been analysed in [Figure 20](#) and [Figure 21](#).



Figure 20: Satellite images showing residential areas (1, 2, 3 from Figure 19) located inside the 9 February ceasefire buffer zone, in October 2023 and February 2025.

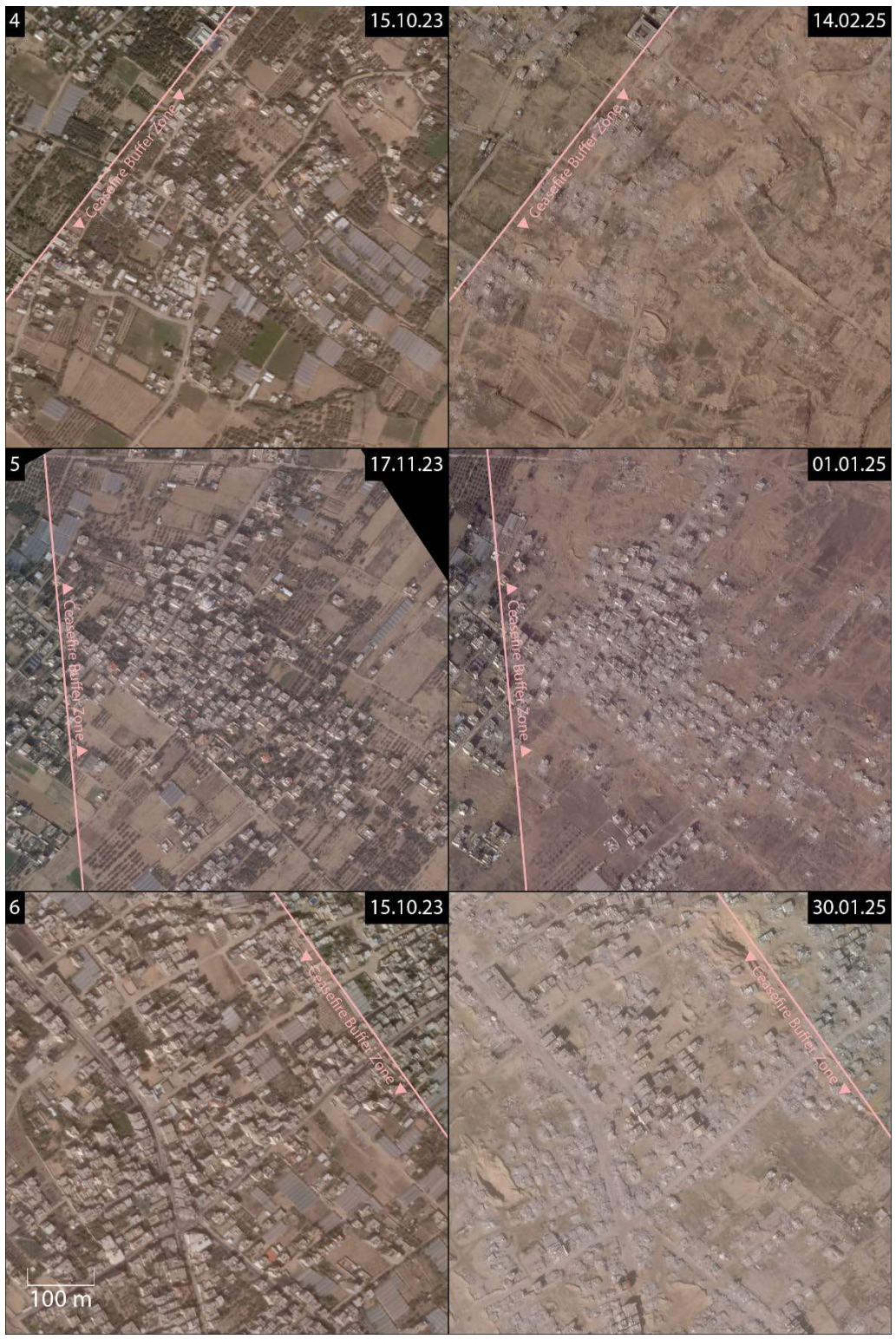


Figure 21: Satellite images showing residential areas (4, 5, 6 from Figure 19) located inside the 9 February cease-fire buffer zone, in October 2023 and February 2025.

F INCIDENT ID

IDs	Date	Latitude	Longitude	Source
50119-87043	19-01-2025	31.347331	34.302392	https://x.com/NemoAnno/status/1880920035499393268
50119-82628	19-01-2025	31.2821375	34.2571246	https://x.com/S_Aljafarawi/status/188095208631170277 , https://tiktokgenocide.com/uploads/israeli-troops-shoot-at-journalist-and-civilians-after-the-ceasefire-started , https://tiktokgenocide.com/uploads/israeli-troops-killed-a-young-man-while-shooting-civilians-beyond-the-agreed-buffer-zone
50119-93576	19-01-2025	31.2823722	34.2569352	https://x.com/gazanotice/status/1880956523892949017 , https://tiktokgenocide.com/uploads/civilians-and-journalists-take-cover-as-israeli-troops-open-fire-at-al-awda-roundabout-rafah
50119-25978	19-01-2025	31.280007	34.254641	https://x.com/EyeonPalestine/status/1880942783000928584 , https://x.com/AbuLocation/status/1881510835270648038 , https://tiktokgenocide.com/uploads/young-boy-killed-15-minutes-after-the-ceasefire-went-into-effect
50119-25867	19-01-2025	31.2798218	34.2547296	https://x.com/EyeonPalestine/status/1880921660297248881 , https://tiktokgenocide.com/uploads/israeli-tank-opens-fire-in-rafah-after-the-ceasefire-started , https://www.instagram.com/p/DFA3GvJtgm4/?hl=en , https://x.com/EyeonPalestine/status/1880944215594811424 , https://www.instagram.com/p/DFAVfXCsg2j/
50119-83536	19-01-2025	31.2879402	34.2530731	https://x.com/qudsn/status/1881051463167754667 , https://tiktokgenocide.com/uploads/israeli-snipers-kill-a-young-man-in-rafah-after-the-ceasefire-started
50120-35137	20-01-2025	31.282672	34.257599	https://x.com/hassaneslayeh/status/1881400247618044251 , https://tiktokgenocide.com/uploads/israeli-troops-kill-a-child-and-fire-at-man-tyring-to-pull-his-body

				https://x.com/ChrisOsieck/status/1883479882136777148
50120-23931	20-01-2025	31.437325	34.408866	https://x.com/EyeonPalestine/status/1881285682007789720 , https://x.com/ChrisOsieck/status/1881355182661091792 , https://x.com/ajmubasher/status/1881320670032011635
50120-54579	20-01-2025	31.279552	34.254277	https://x.com/EyeonPalestine/status/1881347457067757812 , https://x.com/ChrisOsieck/status/1881390469458051544
50121-45473	21-01-2025	31.5401799	34.447641	https://www.facebook.com/61567246263674/videos/1114654540357179 , https://www.facebook.com/61566218092706/videos/1240342180391792
50124-53431	24-01-2025	31.4887163	34.4267732	https://x.com/ireallyhateyou/status/1882791235829592431 , https://tiktokgenocide.com/uploads/despite-the-ceasefire-the-idf-is-happy-to-keep-demolishing-homes
50125-71215	25-01-2025	31.457156	34.370281	https://x.com/translatingpal/status/1883182976181420483 , https://tiktokgenocide.com/uploads/crowds-seek-over-as-idf-troops-shoot-at-civilians-lining-up-to-return-to-north-gaza , https://x.com/AnasAlSharif0/status/1883176663791620115 , https://x.com/AbuLocation/status/18834262951174803855 , https://www.aljazeera.com/program/newsfeed/2025/1/25/israeli-forces-fire-on-crowds-near-gazas-netzarim-corridor#flips-6367743072112
50126-70238	26-01-2025	31.45828177	34.37063537	https://x.com/AbuLocation/status/1883460700657614902
50126-65618	26-01-2025	31.44797	34.405067	https://x.com/NemoAnno/status/1883461272060248082
50126-54858	26-01-2025	31.282172	34.257007	https://t.me/mohnadQ/45030 , https://x.com/NemoAnno/status/1883658766346055990
50202-91683	02-02-2025	31.467922	34.380314	https://x.com/hassaneslayeh/status/1886014649616695437 ,

				https://tiktokgenocide.com/uploads/israeli-airstrike-on-a-car-on-main-return-road , https://x.com/hassaneslayeh/status/1886029018798932221 , https://tiktokgenocide.com/uploads/wreckage-of-car-bombed-by-israeli-drones-on-main-return-road , https://x.com/ChrisOsieck/status/1886037387257446894
50203-21330	03-02-2025	31.535968	34.54409	https://x.com/ajmubasher/status/1886455573610156522 , https://x.com/NemoAnno