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Video Analysis/Enhancement &
3D Animation in Hospitality Claims

Digvijay (VJ) Tanwar

APRIL 5-6, 2022



Digvijay (VJ) Tanwar

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More than 15 years experience in forensic visualization, graphics and video for litigation.

Enhancing video using state-of-the-art software.

Depositions and Trial experience regarding forensic animation and visualization.

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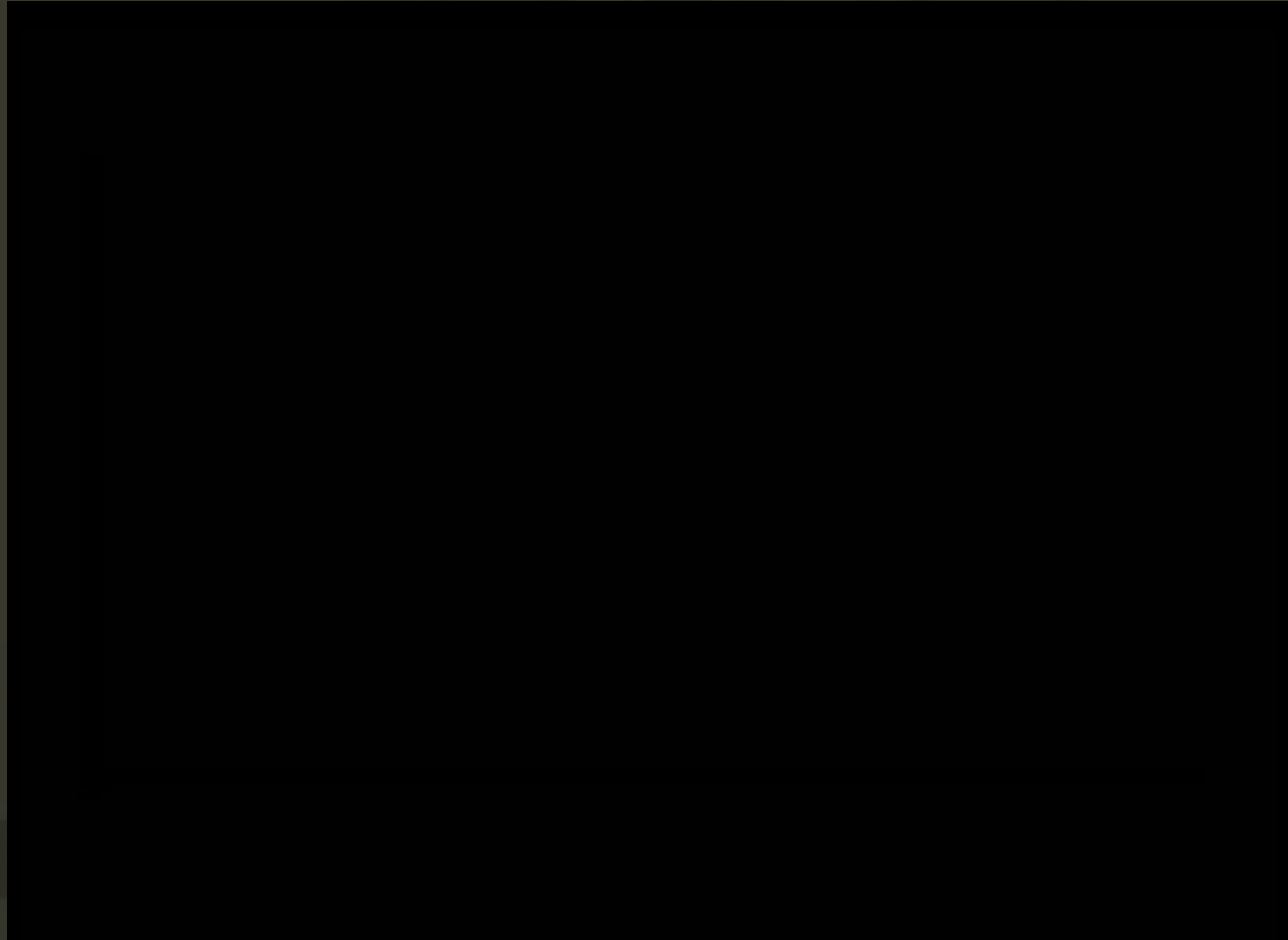
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Enhancement – CSI Effect



Video Analysis/Enhancement & 3D Animation in Hospitality Claims

Video surveillance has seen a rapid growth.

Chances of video evidence present in majority of cases have increased.

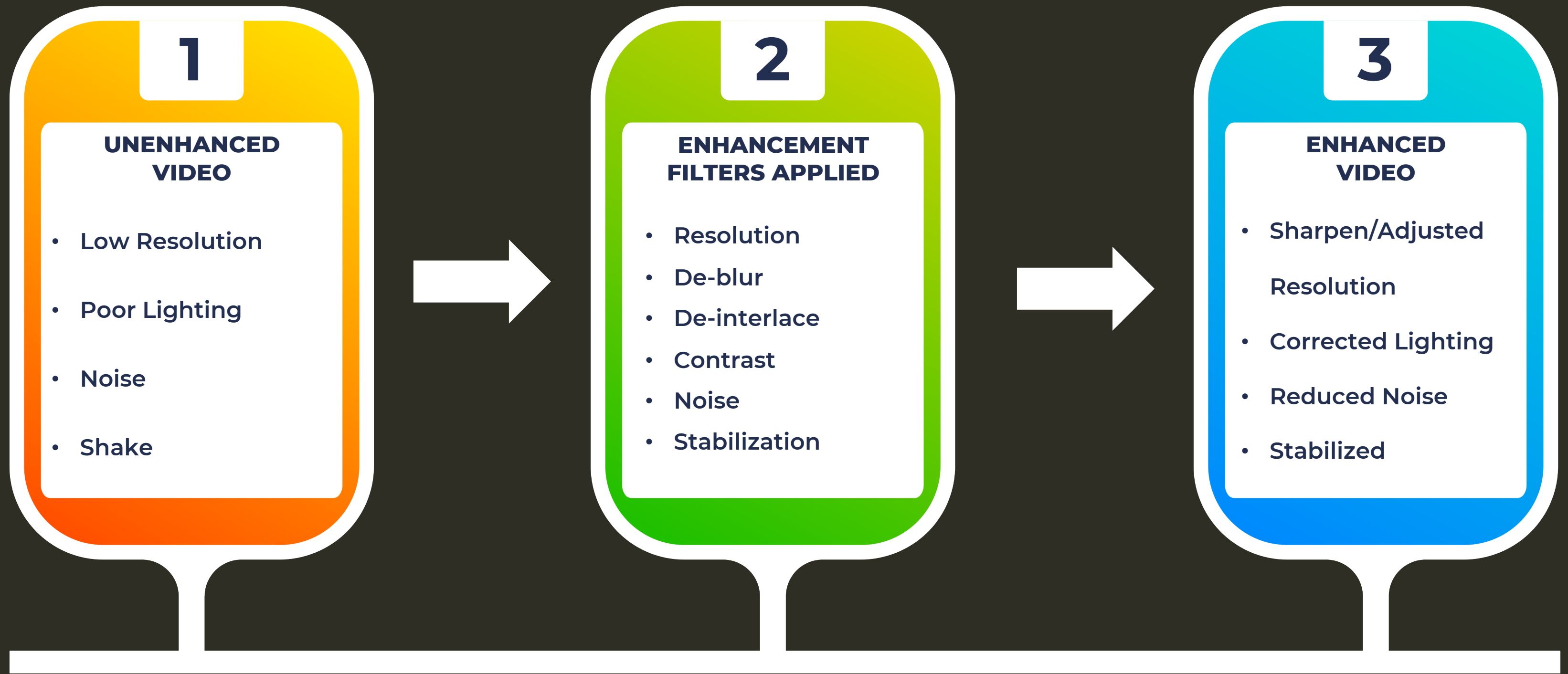
Video is not always what it appears to be.

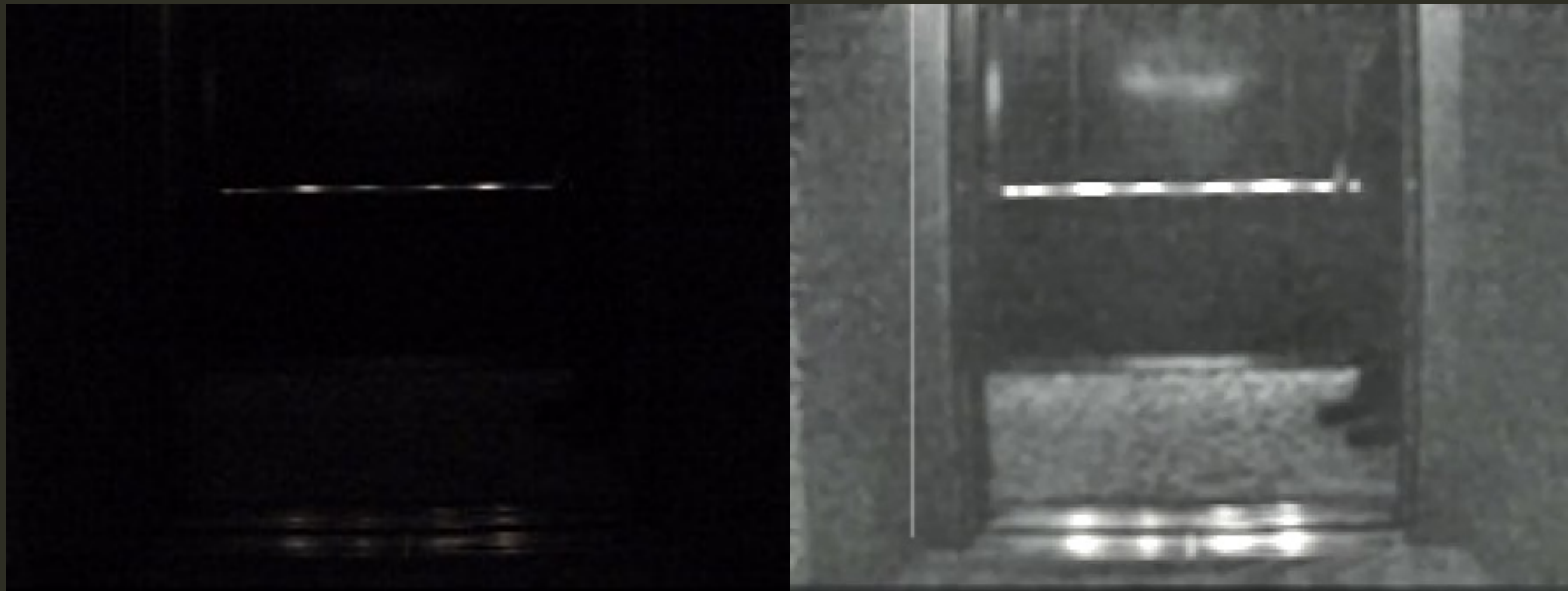
Frame rates can impact the truth.

Understanding the limitations of video evidence is important.

Enhancement does not create information.

What is Video Enhancement





- If the information is in the video, then enhancement can make detail clearer.
- Enhancement does **NOT** create information.

What is Video Analysis

Forensic Video Analysis is the scientific examination, comparison and /or evaluation of video in legal matters.

Ensure the information is accurate.

Tracking of a subject of interest in video, determine frame rate and compression artifacts.

Determine if a video recording has been altered or is authentic.

Help identify the who, what, when, where and why of the case.



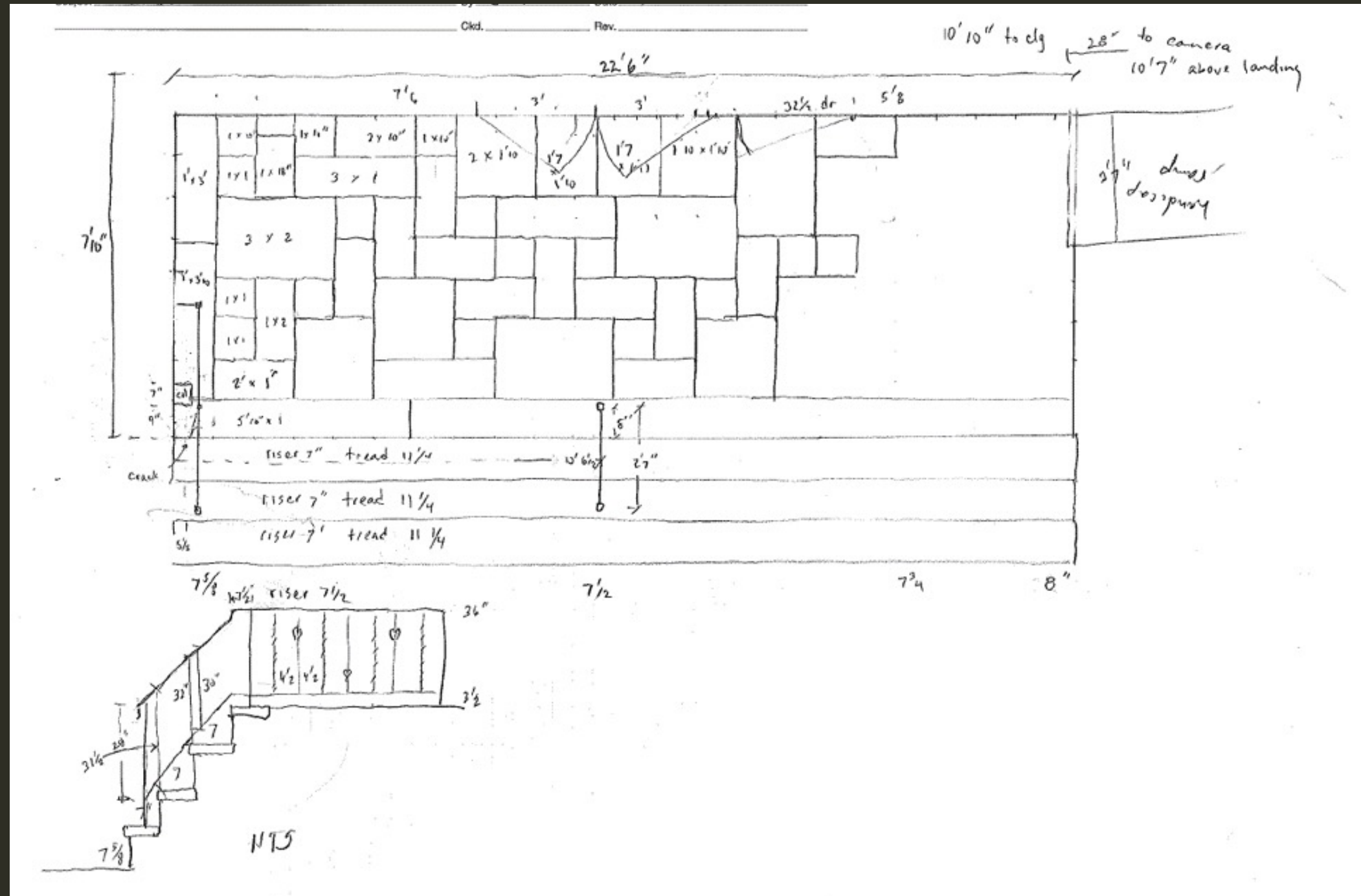
- Real time may miss the details.
- Still image exported from video.

Security video captured fall

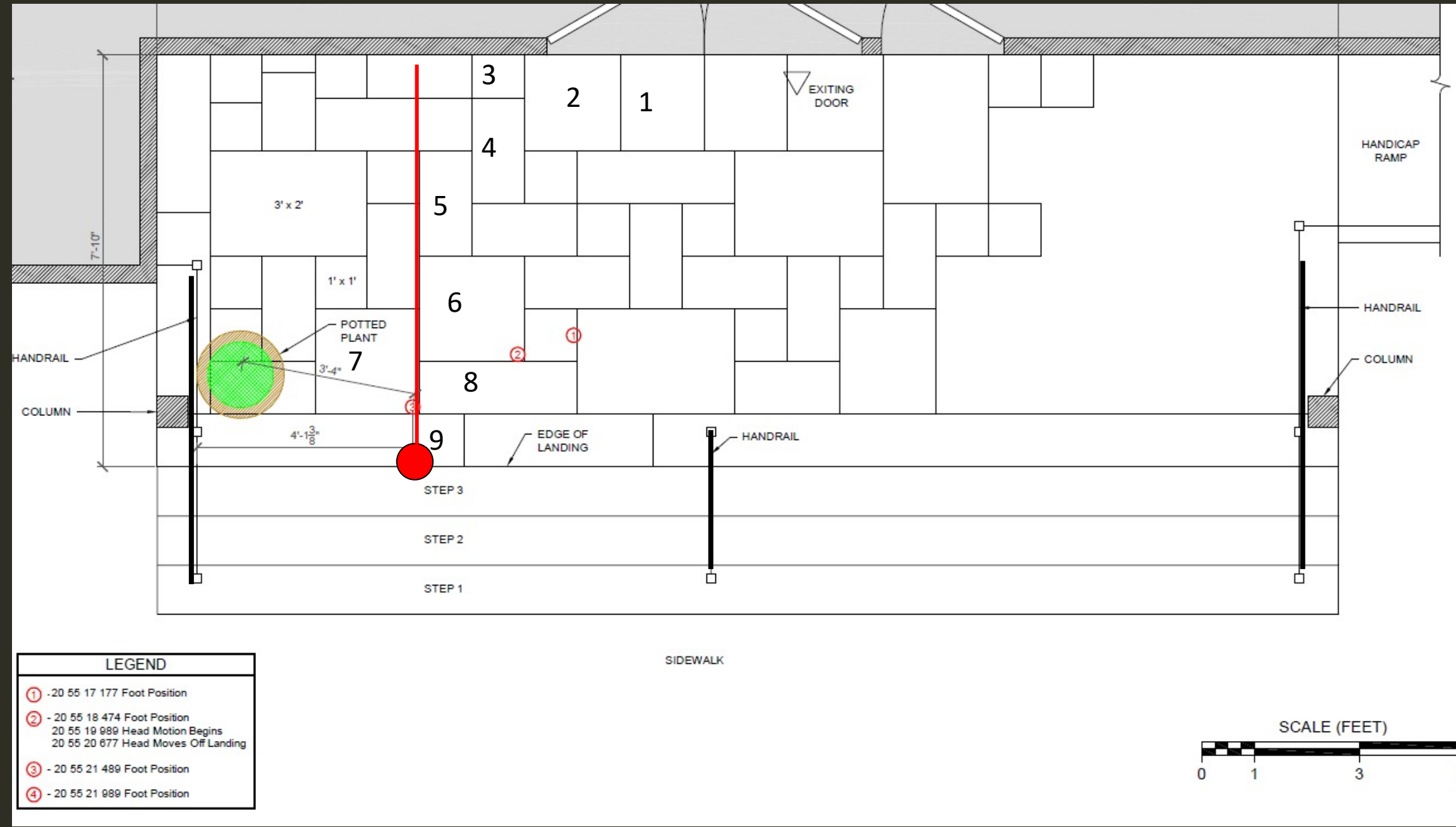




- Plaintiff claimed that she was reaching for the railing.
- Planter blocked her access to the railing.



- Field sketch with dimensions.



- CAD drawings from field sketch.
- 4.5' from the railing.

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In Closing

Aim of video enhancement is to improve the visual appearance of the video.

Don't judge the original video.

Video Analysis/Enhancement and 3D animation can provide valuable information beneficial to the case.



CSI – For movies and television.



WE APPRECIATE YOUR
TIME AND ATTENTION!

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Thank you!