

Coating and corrosion inspection visual route

Film the steelwork from a member reference to the places coatings fail first: flanges, bolts, edges and bases.

REPORT REFERENCE

DEMO-PROTECTIVE-COATING-001

EXAMPLE SITE

Illustrative industrial building frame / four separate scenes

VISIT STAGE

Illustrative condition walk before maintenance painting

DATE

17 October 2026

FICTIONAL SAMPLE

The footage was generated in Google Flow. The observations and organisation are scripted examples, not a real inspection.

About this inspection

Record the structure, gridline or member mark, date and access limits. Move from the whole frame to coating breakdown and corrosion without scraping or touching. The four AI-generated clips illustrate one route, not a real structure.

1. Site and visit details

Report reference	DEMO-PROTECTIVE-COATING-001
Site or asset	Illustrative industrial building frame / four separate scenes
Visit stage	Illustrative condition walk before maintenance painting
Visit date	17 October 2026
Organisation	Example Facilities Ltd (fictional)
Inspector	Demo maintenance engineer (fictional)
Evidence	Four portrait clips; three still frames per point

VISIBLE RECORD

Four AI-generated clips illustrate a frame overview, blistered paint on a flange, rust at a bolted connection and corrosion at a column base.

SCOPE LIMIT

A video shows visible coating condition. It does not measure film thickness, adhesion or section loss, and it does not grade rust or blistering to a standard; those need a qualified coating inspector and the right instruments.

Visual evidence from the four clips

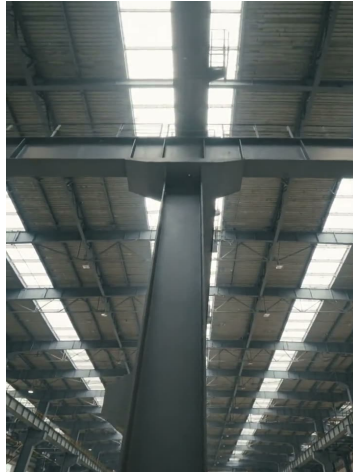
The stills below are taken from the same Flow clips shown on the landing page.

01 Structure and area reference

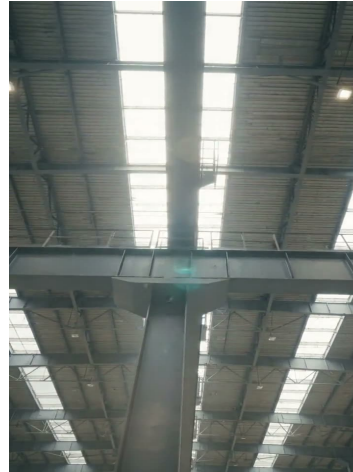
WALK CAM · RECORDED EXAMPLE · 8-SECOND CLIP



01s



04s



07s

SCRIPTED OBSERVATION

Painted structural steel columns and beams in an industrial building are shown in a wide view.

02 Coating breakdown

WALK CAM · RECORDED EXAMPLE · 8-SECOND CLIP



01s



04s



07s

SCRIPTED OBSERVATION

Blistered and flaking paint is visible on a lower steel flange.

Visual evidence from the four clips

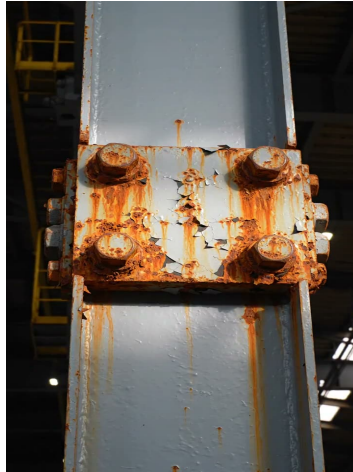
The stills below are taken from the same Flow clips shown on the landing page.

03 Bolted connection and edges

WALK CAM · RECORDED EXAMPLE · 8-SECOND CLIP



01s



04s



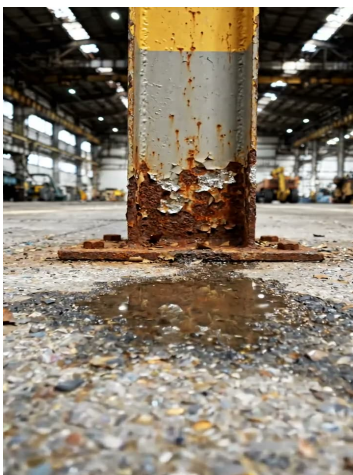
07s

SCRIPTED OBSERVATION

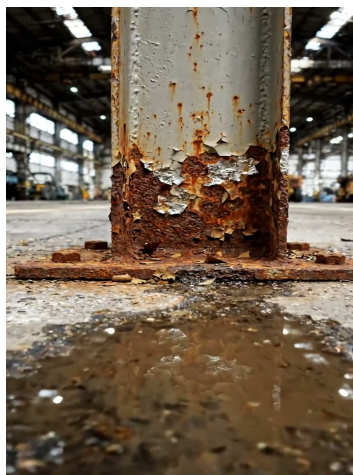
Rust staining runs from the bolts of a beam to column connection.

04 Column base and limits

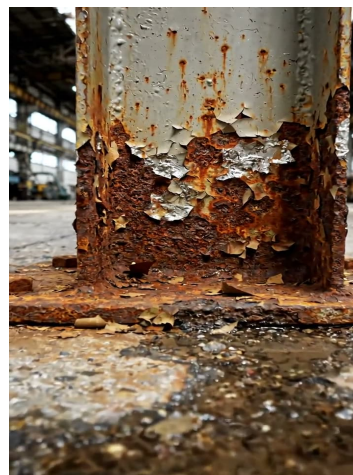
WALK CAM · RECORDED EXAMPLE · 8-SECOND CLIP



01s



04s



07s

SCRIPTED OBSERVATION

Corrosion is visible where a column meets the concrete floor.

2. Point-by-point follow-up

01 Structure and area reference

Confirm the gridline or member mark on the drawing.

02 Coating breakdown

Mark the area for a coating inspector to measure and grade.

03 Bolted connection and edges

Add bolted connections to the maintenance painting scope.

04 Column base and limits

Check for standing water at the base and record any section loss for an engineer.

OVERALL NEXT ACTION

Ask a qualified coating inspector to assess and grade the marked areas before any maintenance specification is written.

NOT EVIDENCED

Dry film thickness, rust grade, section loss, the coating system and the environment's corrosivity category were not established from video.

This example describes what appears in fictional footage. Actual findings, actions and sign-off must be made by the people responsible for the real asset or premises.

3. Example terms

SCOPE OF EXAMPLE

This fictional record shows what appears in AI-generated footage. Real findings, actions and sign-off belong to the people responsible for the asset.

Retain original clips, timestamps and comments under the organisation's actual privacy and retention policy. An acknowledgement of this visual record is not automatic acceptance of condition or a waiver of rights.

4. Sources used for scope notes

steelconstruction.info · Corrosion protection

Overview of protecting structural steel with paint systems under ISO 12944, including environment categories C1 to CX.

www.steelconstruction.info/Corrosion_protection

ISO · ISO 4628-3:2024 Assessment of degree of rusting

The current standard for grading rust on coated steel by comparison with pictorial standards.

www.iso.org/standard/83324.html

5. Example sign-off

Recorded by	Demo maintenance engineer (fictional)
Review status	Fictional demonstration only; no real-site approval
Reviewed on	17 October 2026