

Capture the house with a repeatable method.

A field guide for Brent's Insta360 X6 capture. The aim is photorealistic 3D movement, supported by an editable architectural shell. This guide prepares the capture; it does not claim that a reconstruction has already worked.



Published kitchen reference. Listing photographs were taken during construction; verify the house's current condition.

Yes: speak your location while filming.

Audio lets us find a frame and attach a room/checkpoint name. It does not provide an exact 3D camera pose. Use numbered locations, good overlapping footage and measured physical references together.

“108A. Floor one. Clip A. Mark F1-01-D. Camera above the front-door threshold midpoint. Height one point five meters. Facing into the house.”

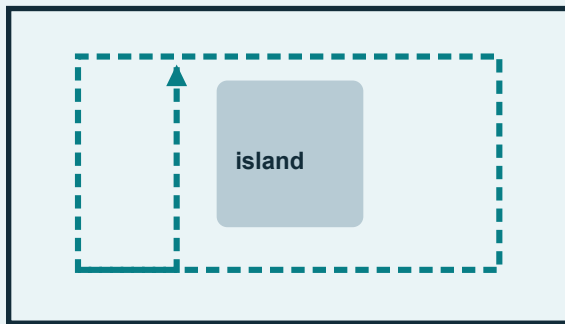
Use your actual measured height in that sentence. Hold still for about two seconds at a safe station, then begin moving. At later stops, a short “Mark F2-02-D, Bedroom one doorway” is enough.

24 capture stops / 3 annotated floor maps / room routes / measurement and handoff checklists

Prove the recipe at home first.

- 1. Record two connected rooms.** Make a short standard full-sphere 8K / 30 video in good light, using the loop and doorway patterns below. Keep normal color for the first test and confirm the selected processor's supported settings. Preserve INSV and audio; do not provide only reframed flat video.
- 2. Verify the actual files.** Clean both lenses, keep the microphone clear and play back a 20-second test. Check sound, sharp edges, exposure and full-sphere output. Check available storage, battery and long-clip behavior before the visit.
- 3. Keep the scene consistent.** Set doors, lights and shades before filming. Keep people, pets, moving screens and fans out of the source where practical. Do not rearrange the room between connected passes.

ROOM LOOP + OFFSET PASS



Move to new positions.

Do not only spin in place.

Keep clear of furniture and edges.

Use safe opposite-direction passes.

Still photos add detail references.

This is a generic pattern, not a route.

4. Move with useful overlap. Use slow clear aisles, a loop and an offset pass. A starting height around 1.4-1.6 m is practical if comfortable; write down the actual height. Add useful low reference views only on safe level floor. Avoid the immediate lens/stitch area near objects.

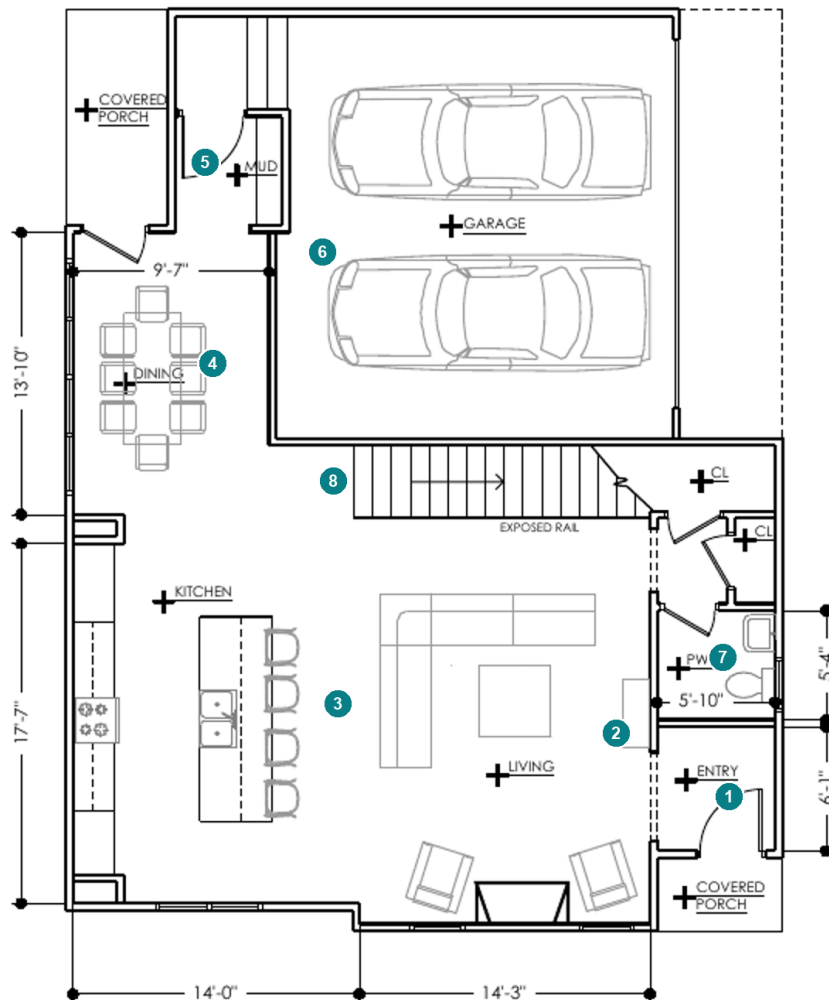
5. Inspect a reconstruction. The pilot must allow convincing movement through the doorway, preserve the actual layout and look acceptable on a phone. Check mirrors, windows and thin rails. Then test a stair connection before full-house production. More footage cannot guarantee success.

These are initial field recommendations, not X6 firmware-specific menu instructions or a validated vendor capture specification. Refine them after testing your camera and chosen processor.

FLOOR 1 / OVERVIEW

Living level

Arrival, gathering spaces & garage



01 / Front door & entry

F1-01

02 / Living room

F1-02

03 / Kitchen & island

F1-03

04 / Dining room

F1-04

05 / Mudroom & rear porch

F1-05

06 / Garage & rear access

F1-06

07 / First-floor powder room

F1-07

08 / Stair 1: lower approach

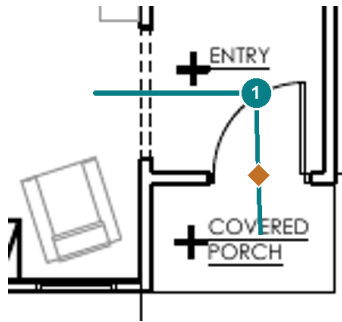
F1-08

The teal numbered dot is a proposed camera/still position. The following detail maps add a teal coverage route and an orange doorway diamond for the spoken -D cue. A dot may be in a clear aisle rather than the geometric center of the room.

Use actual clearances and safe access. Routes are planning suggestions, not surveyed paths or permission to move through furniture. The drawing dimensions and current as-built layout require verification.

FLOOR 1 / SHOT INSTRUCTIONS

Stops 01-03



F1-01 / Front door & entry

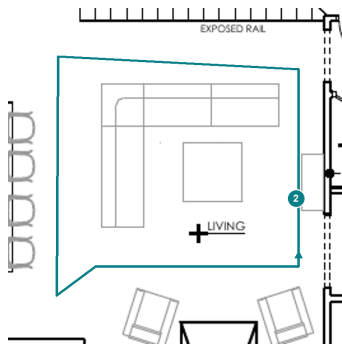
Mark F1-01-D. Camera above this doorway threshold midpoint.

Start outside the front door on the porch. Record the facade separately.

Say the doorway cue with the camera above the threshold midpoint, then enter and continue into the living-room aisle.

Return through the same doorway while facing your direction of travel. Take a stationary 360 photo inside the entry.

Check: Keep the door open and unchanged during connected interior passes. Confirm the actual entry step/threshold height.



F1-02 / Living room

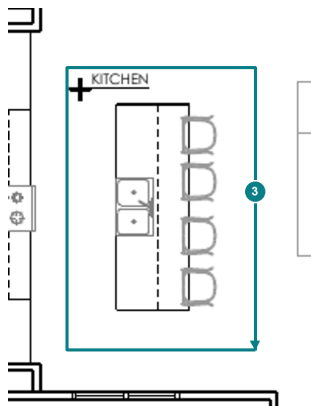
Mark F1-02. Camera at the numbered clear position.

Move around the seating group using the clear aisles; include both the fireplace and stair rail from several positions.

Return along a different safe aisle so your body does not hide the same surfaces.

Take a stationary 360 photo from a clear aisle near room center; add one near the fireplace.

Check: The illustrated furniture comes from the plan. Adjust the route to current furniture; never walk through the sofa.



F1-03 / Kitchen & island

Mark F1-03. Camera at the numbered clear position.

Make one slow full loop around the island, including both ends and the sink/seating sides.

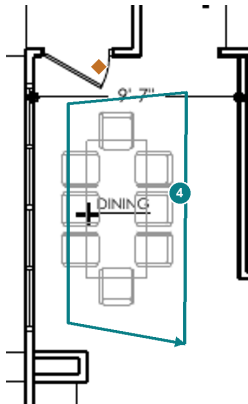
Make a second offset pass along clear aisles. Stop on level ground for extra low and normal-height views of cabinet faces.

Take 360 stills on two opposite sides of the island, plus ordinary close-up photos of counter, wood, hardware and appliances.

Check: Stay clear of counters and glass; test near-lens stitching. Do not press the camera into tight gaps.

FLOOR 1 / SHOT INSTRUCTIONS

Stops 04-06



F1-04 / Dining room

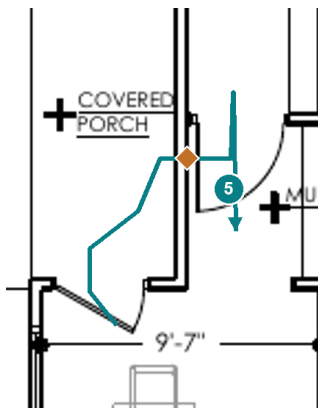
Mark F1-04-D. Camera above this doorway threshold midpoint.

Loop around the dining table from the kitchen connection. Include the ceiling and rear porch opening.

Continue through the dining-to-porch door and back, capturing a short shared stretch on both sides.

Take one stationary 360 photo from a clear aisle and square-on opening reference photos.

Check: At the porch, pause to check exposure. A separate exterior clip should repeat the threshold area.



F1-05 / Mudroom & rear porch

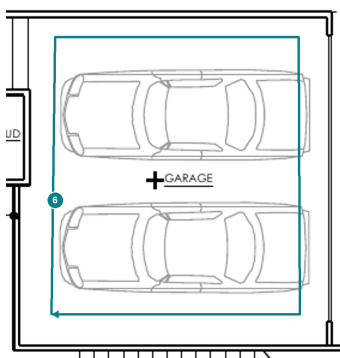
Mark F1-05-D. Camera above this doorway threshold midpoint.

Capture the porch approach, then pass through the mudroom door. Cover the small space from both ends.

Take a stationary 360 photo and ordinary photos of the storage/joinery and all actual openings.

Verify the route into the garage in person; record an additional connector if a usable opening exists.

Check: The plan does not clearly establish a direct mudroom-to-garage opening. Do not assume one in the field route.



F1-06 / Garage & rear access

Mark F1-06. Camera at the numbered clear position.

Start at the actual accessible garage opening and state which opening it is. Capture its threshold from both sides.

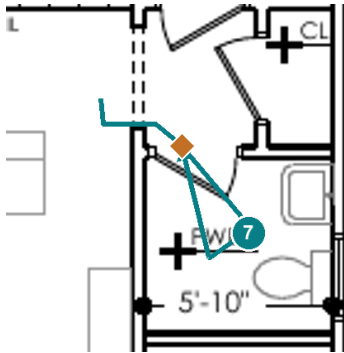
Walk clear perimeter aisles and a central aisle where available; get the door mechanism, ceiling, slab and rear elevation.

Take two stationary 360 photos at opposite clear positions.

Check: The perimeter diagram is an intent only: cars and stored items may block it. Record blocked areas instead of squeezing past.

FLOOR 1 / SHOT INSTRUCTIONS

Stops 07-08



F1-07 / First-floor powder room

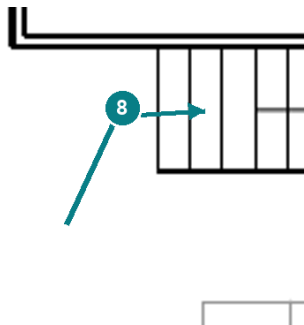
Mark F1-07-D. Camera above this doorway threshold midpoint.

Capture the hall approach, doorway midpoint, and two separated interior viewpoints if there is room.

Include vanity, toilet, ceiling and floor. Take a stationary 360 still and ordinary fixture photos.

Return to the hall through the same opening.

Check: Mirror reflections can create false geometry; keep extra angled reference views. Do not assume more filming will remove reflections.



F1-08 / Stair 1: lower approach

Mark F1-08. Camera at the numbered clear position.

Record the clear lower approach before ascending. State "Stair one, lower landing."

Continue up the real flight while looking where you walk, with the camera controlled and a hand available for the rail.

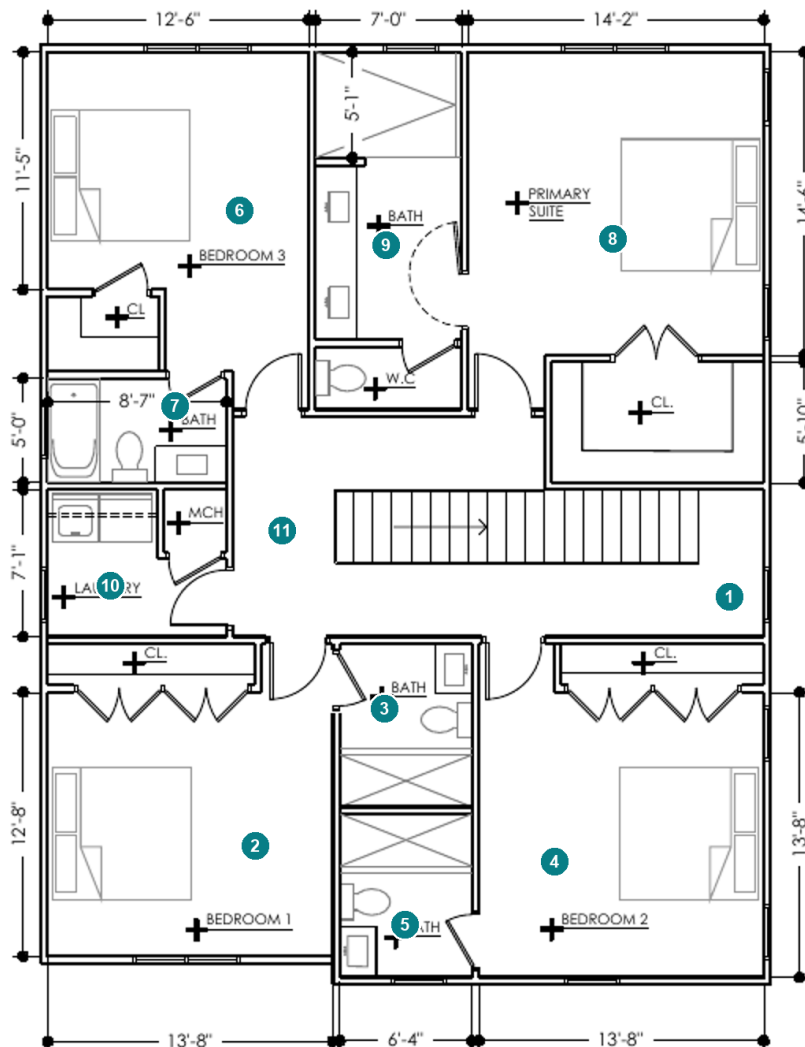
Continue beyond the upper landing into the second-floor hall. Start the next floor clip in that same hall area.

Check: The short arrow marks the start only. Actual stair direction, riser count, landings and height must be checked on site.

FLOOR 2 / OVERVIEW

Bedroom level

Four suites, laundry & connecting hall



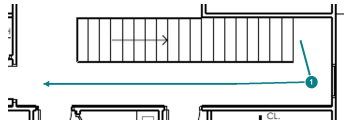
- 01 / Stair arrival & right hall
F2-01
- 02 / Bedroom 1
F2-02
- 03 / Bedroom 1 bath
F2-03
- 04 / Bedroom 2
F2-04
- 05 / Bedroom 2 bath
F2-05
- 06 / Bedroom 3
F2-06
- 07 / Bedroom 3 bath
F2-07
- 08 / Primary suite & closet
F2-08
- 09 / Primary bath & WC
F2-09
- 10 / Laundry & service closet
F2-10
- 11 / Stair 2: lower approach
F2-11

The teal numbered dot is a proposed camera/still position. The following detail maps add a teal coverage route and an orange doorway diamond for the spoken -D cue. A dot may be in a clear aisle rather than the geometric center of the room.

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FLOOR 2 / SHOT INSTRUCTIONS

Stops 01-03



F2-01 / Stair arrival & right hall

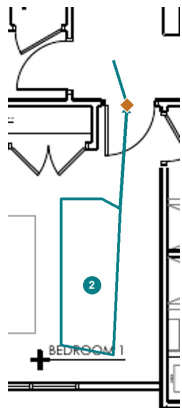
Mark F2-01. Camera at the numbered clear position.

Finish Stair 1 with the upper landing and several steps into the hall. Say “F2-01, upper landing.”

Begin the bedroom-level master clip here and retrace a useful section of the same hall.

Record the stair opening, guard attachments, ceiling over the stairs and the full hallway loop.

Check: Keep the stair opening unobstructed in the model. No backwards stair walking.



F2-02 / Bedroom 1

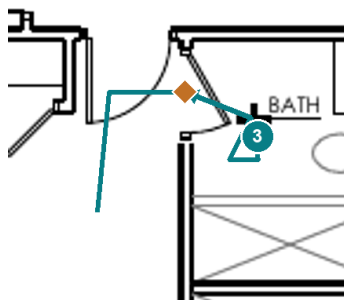
Mark F2-02-D. Camera above this doorway threshold midpoint.

Say “F2-02-D, Bedroom one doorway.” Enter from the hall and loop through clear aisles around the bed.

Capture the closet open, including shelf edges and the upper inside corners; take a detail photo of the window.

Take a stationary 360 photo from the clear foot/side of the bed and return to the doorway.

Check: Use the plan name Bedroom 1. Avoid “guest bedroom” alone, which could mean any of three rooms.



F2-03 / Bedroom 1 bath

Mark F2-03-D. Camera above this doorway threshold midpoint.

Repeat the bedroom-side approach and pass the bath doorway; say the bath number.

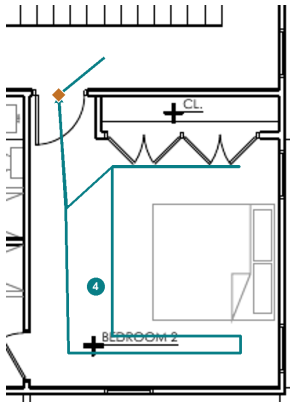
Cover vanity and toilet from separated positions, then film into the shower from its real opening.

Take one stationary 360 photo if space allows; add sharp ordinary photos of shower controls and tile.

Check: Never step into a slippery shower just to match the diagram. Verify the actual glass/door position.

FLOOR 2 / SHOT INSTRUCTIONS

Stops 04-06



F2-04 / Bedroom 2

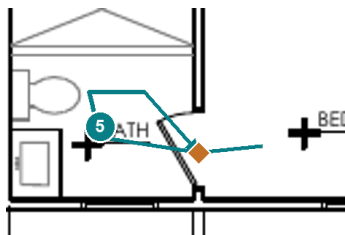
Mark F2-04-D. Camera above this doorway threshold midpoint.

Capture the hall threshold, then clear aisles around the bed and the closet interior.

Include the front-facing windows from oblique and square-on reference positions.

Take a stationary 360 still and return along a second clear path.

Check: Choose safe aisles around the actual bed; this source furniture may differ from the house.



F2-05 / Bedroom 2 bath

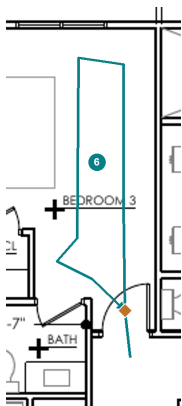
Mark F2-05-D. Camera above this doorway threshold midpoint.

Repeat the Bedroom 2 approach into this bath; state "F2-05-D, Bedroom two bath doorway."

Film vanity/toilet and the shower entrance from several clear positions.

Take a stationary 360 photo and ordinary details of mirror, tile and fixtures.

Check: This is the lower of the two central baths on the plan. Do not swap its ID with Bedroom 1 bath.



F2-06 / Bedroom 3

Mark F2-06-D. Camera above this doorway threshold midpoint.

Record the hall doorway, then cover the clear aisles around the bed.

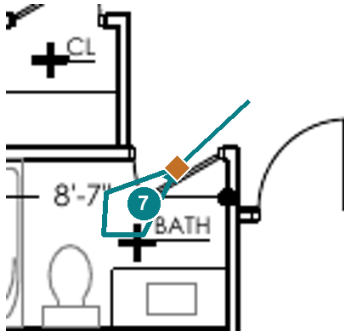
Open and record the small closet without changing it midway through connected passes.

Take a stationary 360 still and detail photos of its windows.

Check: This room is at the rear left on the plan, beside the laundry/bath area.

FLOOR 2 / SHOT INSTRUCTIONS

Stops 07-09



F2-07 / Bedroom 3 bath

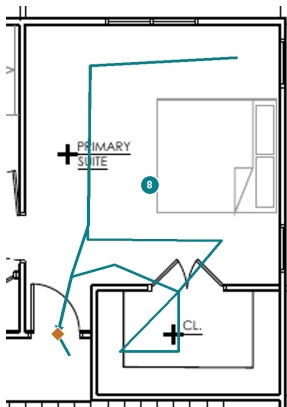
Mark F2-07-D. Camera above this doorway threshold midpoint.

Enter from Bedroom 3 and name that connection in the audio cue.

Cover the tub, vanity and toilet from safe separated positions.

Take a stationary 360 still if space permits and ordinary tub/finish references.

Check: Confirm the bathroom entrance in person; the plan labels and bath proximity can be confusing.



F2-08 / Primary suite & closet

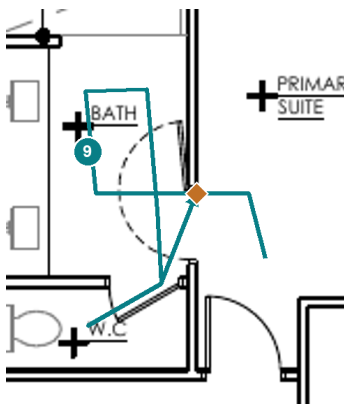
Mark F2-08-D. Camera above this doorway threshold midpoint.

Say "F2-08-D, Primary suite doorway." Cover clear aisles on multiple sides of the bed.

Enter the primary closet via its actual opening and capture its shelving and ceiling.

Take two stationary 360 photos from separated clear positions.

Check: Avoid moving doors, shades or lights between connected passes.



F2-09 / Primary bath & WC

Mark F2-09-D. Camera above this doorway threshold midpoint.

Connect from the primary suite through the bath doorway. Cover both vanity ends and the shower opening.

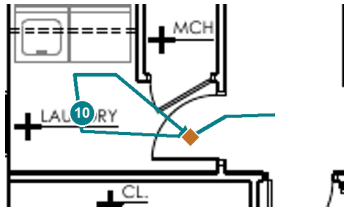
Capture the enclosed WC as its own small sub-loop through the actual opening.

Take stationary 360 stills where possible and close-up tile, plumbing and mirror references.

Check: Bright shower glass and mirror surfaces need review; clear reflections cannot be treated as measured walls.

FLOOR 2 / SHOT INSTRUCTIONS

Stops 10-11



F2-10 / Laundry & service closet

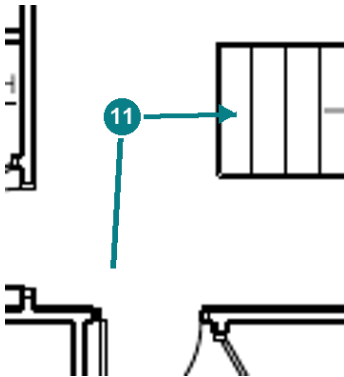
Mark F2-10-D. Camera above this doorway threshold midpoint.

Record the hall doorway, appliance fronts, counter/shelves and ceiling.

Capture the service closet only if accessible; label any closed or unrecorded area.

Take one stationary 360 still and ordinary appliance/joinery references.

Check: Do not operate building equipment or move appliances to gain coverage.



F2-11 / Stair 2: lower approach

Mark F2-11. Camera at the numbered clear position.

Record the hall approach to the next flight and say "Stair two, lower landing."

Continue safely up the actual staircase without stopping on a narrow tread to speak.

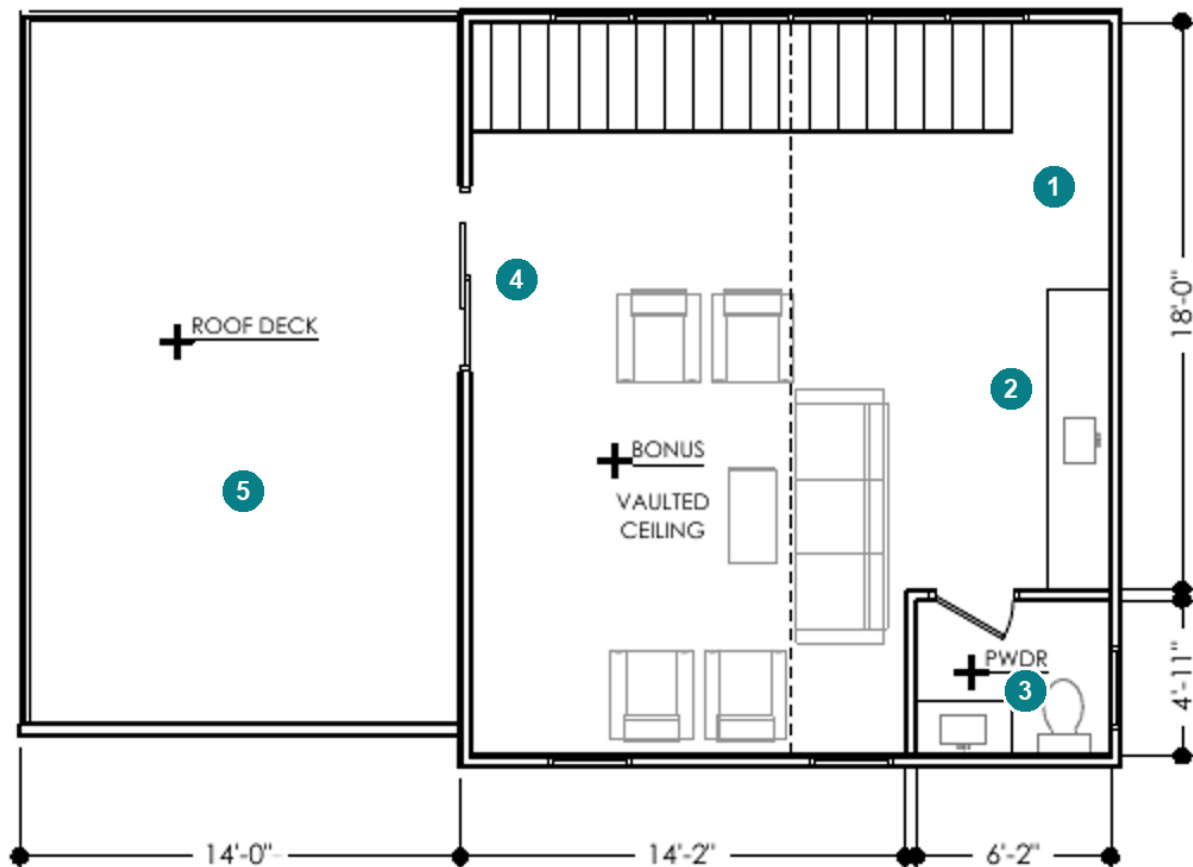
Continue onto the third-floor landing and into the bonus-room aisle; repeat that area in the next clip.

Check: Capture separate stair-detail photos while stationary on a full landing. Record riser count, landing depths and floor-to-floor height.

FLOOR 3 / OVERVIEW

Bonus & deck

Vaulted room, powder room & rooftop



01 Third-floor landing (F3-01)

02 Bonus room & wet bar (F3-02)

03 Third-floor powder room (F3-03)

04 Deck doorway (F3-04)

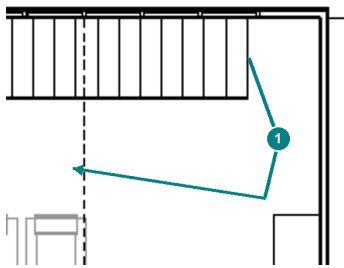
05 Rooftop deck (F3-05)

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FLOOR 3 / SHOT INSTRUCTIONS

Stops 01-03



F3-01 / Third-floor landing

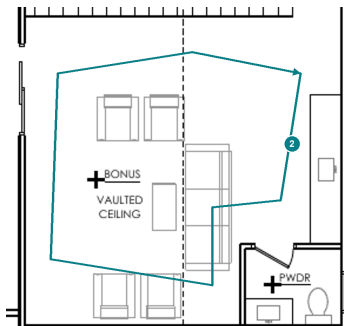
Mark F3-01. Camera at the numbered clear position.

Finish the stair connector in the bonus-room aisle, then say "F3-01, third-floor landing."

Start the top-floor master clip by repeating the same landing and room approach.

Record the complete guard/stair-opening perimeter from safe floor positions.

Check: Never extend the camera or your body over the open stairwell.



F3-02 / Bonus room & wet bar

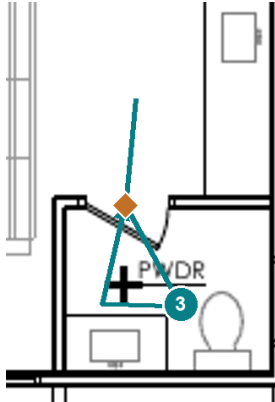
Mark F3-02. Camera at the numbered clear position.

Cover clear aisles around the seating area and both ends of the wet bar.

Add deliberate views along the sloped ceiling, ridge and wall junctions from several floor positions.

Take two stationary 360 stills and detail photos of ceiling junctions, bar and floor.

Check: The source says vaulted ceiling but gives no section or ridge height. Record heights and views; do not infer an exact roof from this plan.



F3-03 / Third-floor powder room

Mark F3-03-D. Camera above this doorway threshold midpoint.

Record the bonus-room approach and doorway midpoint.

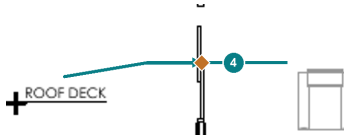
Capture vanity, toilet, ceiling and floor from separated clear positions.

Take one stationary 360 still if practical and ordinary fixture details.

Check: Keep the mirror as a known cleanup area, not an automatic geometry reference.

FLOOR 3 / SHOT INSTRUCTIONS

Stops 04-05



F3-04 / Deck doorway

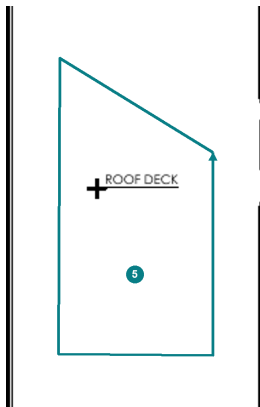
Mark F3-04-D. Camera above this doorway threshold midpoint.

Record an interior-to-deck connector across the real opening, including a shared area on both sides.

Pause on safe level floor to inspect exposure; make a separate exterior clip if brightness changes sharply.

Repeat the opening area in the exterior clip. State "F3-04-D, deck doorway."

Check: Do not force one exposure for dark interior and bright sky. Keep the same physical door position.



F3-05 / Rooftop deck

Mark F3-05. Camera at the numbered clear position.

Walk an inset loop within the safe deck area. Capture the guard, decking and exterior wall from varied positions.

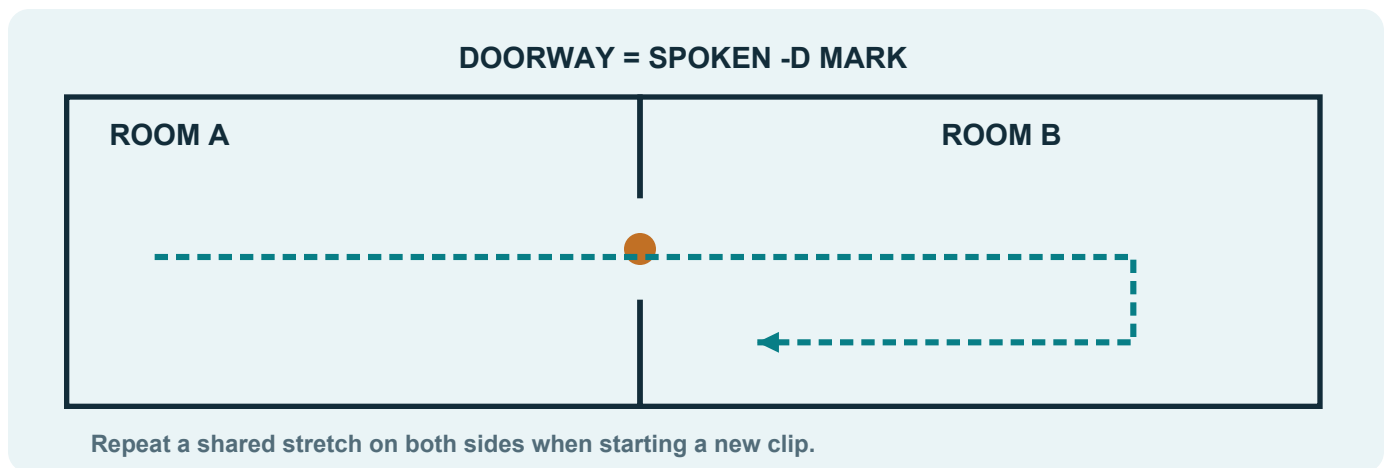
Take two stationary 360 photos plus ordinary photos of corners, drainage and door threshold.

State any inaccessible or hidden roof areas in the recording.

Check: Remain inside guards. Do not climb or hold a pole over an edge. Ground/deck footage does not establish unseen roof geometry.

CONNECTIONS + REFERENCE MEASUREMENTS

Make separate clips joinable.



Doorways: begin about 1-2 m before an opening where there is room, cross it, and continue about 1-2 m into the next room. Repeat from the other side while walking forward. The camera should see shared wall, opening and floor features over a stretch of movement, not just one common frame.

Clip handoff: keep original clips separate. Repeat the previous clip's last clear area at the start of the next clip; say the new clip group and checkpoint. Mere concatenation does not align their geometry.

Stairs: record each whole connection from a full lower landing to a full upper landing, continuing into the next hall. Face the direction you walk. Keep control of the pole and a hand available for the rail. Do not walk backwards or lean over a stair opening. Speak detailed cues and take extra pictures from full landings.

Interior to deck: pause on level floor to check exposure. Separate lighting/exposure clips may be necessary. Repeat doorway features in both, and keep door position unchanged.

Measure the features we will align.

Choose several durable visible reference corners distributed through each floor, not all in one line. Name them, photograph the exact endpoints and measure independent distances. Record a consistent floor datum and units. A vague "room center" cue is not a metric control point.

Record room length/width; ceiling heights; opening width/height/wall thickness; both stairs' riser counts, landing sizes and floor-to-floor heights. Document the bonus room's low ceiling edges and ridge, and the deck threshold. Leave inaccessible measurements blank instead of guessing.

FINAL PASS / BEFORE LEAVING

Verify it, then preserve the originals.

[] Review the beginning, a middle section and the end of every clip with sound. Verify spoken markers, sharp edges, complete duration and shared handoff coverage. Check for recording stops or overheating.

[] Review both stair connections and the bonus-room/deck opening. Check that baths, closets, laundry, service areas, garage and both porches were covered or explicitly marked inaccessible.

[] Take at least one stationary high-resolution 360 still per clear room; take two in larger rooms and opposite sides of the island. Use a stable support/timer if available. Test actual photo/HDR/export settings before relying on them.

[] Take ordinary sharp reference photos of materials, hardware, cabinet/counter seams, each opening from both sides, and floor/ceiling junctions. Photograph measurement endpoints and record units.

[] Exterior: capture front, accessible sides and rear with shared corner/door approaches. Include steps, foundations, soffits and visible roof edges. Stay on permitted safe ground and within deck guards. Unseen roof geometry requires drawings or a separate appropriate capture.

[] Make a second copy before deleting anything. Preserve native filenames, paired files, sidecars and original audio. Supply original INSV footage, full-sphere exports if made, stationary photos, ordinary reference images and the completed logs.

Files included with the interactive guide

capture-log-template.csv: checkpoint IDs, original filenames, audible-marker times, camera height, stills and coverage notes.

measurement-log-template.csv: reference IDs, exact endpoints, values/units and endpoint photo filenames.

Sources and scope

The user-supplied [108A listing](#) links the SW Design Group floor plan dated 08.28.2026. Listing photographs are labeled as taken during construction. Floor-2 photo assignments were marked for review in the source site. The draft shell traces this plan at approximate scale, with unmeasured adjustable wall heights. Ceiling/roof sections, exact window heights and stair construction remain open. No capture has been processed or aligned.

Technical references: [Splatica X6 support](#); [Nerfstudio custom/360 data guidance](#). Candidate workflows require a real pilot. Guide routes, distances and timing are practical starting recommendations, not guarantees.