A more useful garage workshop

Jordan Ellis

Sample report

Jordan would like a dedicated workbench and brighter task lighting along the garage wall. The walkthrough established the preferred work area and the intention to retain existing overhead storage. Dimensions and the existing supply still need to be checked before the work can be priced.

Photo availability: Illustrated demo media is not included in this PDF. No real visit or AI processing occurred.

Key moments

[0:12] REQUEST - Customer: Asked for a workbench along the rear wall with brighter light above it. "We want a workbench along this wall" (Photo 1)

[0:31] REQUEST - Customer: Wants receptacles at the bench for a saw and battery chargers. "a few outlets on the bench"

[0:48] SCOPE - Estimator: Proposed extending the existing garage circuit for the bench receptacles. "tie into the existing garage circuit"

[1:05] FOLLOW-UP - Estimator: Bench length and the existing supply must be verified before pricing.

[1:22] DECISION - Customer: Keep the overhead storage. "Keep the overhead storage if possible." (Photo 1)

Workbench receptacles and task lighting (0:12, 0:31, 0:48, 1:05, 1:22)

An attached photo could not be included in this download. Its association is saved with the report.

A work area along the rear wall with task lighting and bench-height receptacles. The proposed location sits below the existing storage. Bench length, fixture selection and the existing circuit were not confirmed.

Customer wants: Customer (0:12, 0:31): a workbench with brighter light above it and several receptacles at the bench for a saw and chargers; keep the overhead storage (1:22).

Estimator said: Estimator (0:48): extend the existing garage circuit for the bench receptacles. (1:05): measure the bench and verify the supply before pricing.

AI notes: AI analysis: a saw and chargers on a shared garage circuit may overload it; a dedicated 20 A circuit is likely the better scope. New garage receptacles need GFCI protection. Confirm lighting clearances below the storage.

Code & safety review (AI)

- Finding 1: Possible missed requirement (0:48)
Supporting photos: Photo 1.
Claim: Estimator said the bench receptacles can tie into the existing garage circuit (0:48); GFCI protection was not discussed.
Assessment: Garage receptacles at a dwelling generally require GFCI protection, so new bench receptacles would need a GFCI device or breaker.
Evidence: Transcript 0:31 and 0:48. The existing protection is not visible in the photo.
AI-suggested code reference (verify against the adopted edition): NEC 210.8(A)(2)
Estimate impact: Add a GFCI receptacle or GFCI breaker for the bench circuit.
Verify: Check whether the existing garage circuit is already GFCI-protected and confirm the adopted code edition.
Reference: NEC 210.8(A) GFCI in dwelling units (NFPA 70, 2023 edition).

https://www.nfpa.org/codes-and-standards/nfpa-70-standard-development/70 Applicability: Paraphrased screening summary. Adoption, edition and local amendments vary by jurisdiction; confirm with the authority having jurisdiction.

- Finding 2: Needs verification (0:48)
Claim: Extending the existing garage circuit for a saw and chargers (0:48).
Assessment: Garage receptacle circuits have specific rules, and a saw plus chargers may exceed what the shared circuit can carry. A dedicated 20 A circuit may be needed.
Evidence: Customer described the intended loads at 0:31; the circuit size and other loads were not checked.
AI-suggested code reference (verify against the adopted edition): NEC 210.11(C)(4)
Estimate impact: Possible new 20 A branch circuit from the panel instead of an extension.
Verify: Identify the existing garage circuit, its breaker size and the other loads it serves.
Reference: NEC 210.11(C) Required dwelling branch circuits (NFPA 70, 2023 edition).
https://www.nfpa.org/codes-and-standards/nfpa-70-standard-development/70 Applicability: Paraphrased screening summary. Adoption, edition and local amendments vary by jurisdiction; confirm with the authority having jurisdiction.

Code & safety review limits

Synthetic demo review. No AI processing occurred and no code compliance is implied.

AI insights

- Consider switched task lighting with the switch at the bench end, and confirm fixture clearance below the overhead storage.

- Ask whether the customer plans to charge an EV in this garage; it affects whether a panel load calculation is worth doing now.

Customer summary

We reviewed your workshop plans and the preferred location for the workbench and lighting. Next, we'll confirm measurements and the existing supply to prepare your estimate.

Decisions

Customer asked to retain overhead storage.

Assumptions

Final layout is subject to measurements and an on-site verification.

Report coverage

- 1 of 1 photos reviewed.

- 0 of 0 audio tracks transcribed.

- Synthetic demo report. No customer call or AI processing occurred.

Still need

- Workbench length and installation height

- Existing garage circuit, breaker size and GFCI protection

- Fixture selection

Ask

- What will you use the workbench for?
- Do you have preferred fixtures or should we propose options?

For the estimate draft

Scope task lighting over the proposed workbench and bench-height GFCI-protected receptacles, likely on a dedicated 20 A circuit. Confirm dimensions and existing supply. Retain overhead storage where practical.