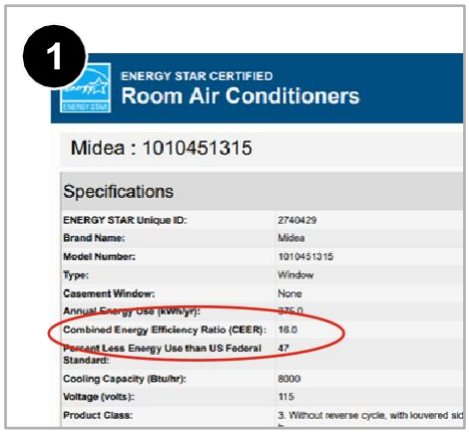
Install an AC (Through Wall)

Island Grantee Job Aid

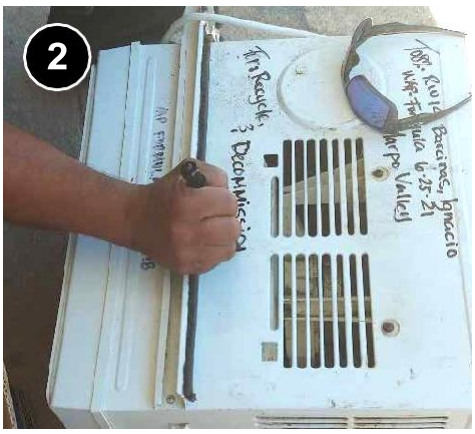
Aligns With Standard Work Specification 5.0301.1

Priority List Optional:

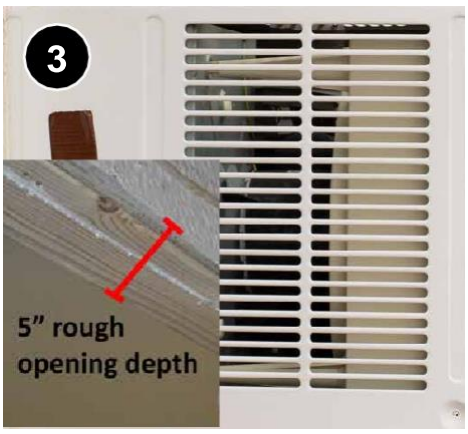
Replace existing through wall air conditioners manufactured before 2014, or with an EER of 9.7 or lower, with a minimum of 12 CEER or higher unit of the same or lesser capacity.



Double check the name plate of the new unit to ensure the new unit meets the requirements of the program. The new unit must match existing voltage and have a CEER of 12 or higher of the same or lesser capacity (when compared to the unit it is replacing). 5.0301.1b.



Permanently remove the old unit from the job site, taking care not to damage the wall, window, or other parts of the home. Recycle or dispose of the unit and refrigerant in accordance with local and federal law. Permanently decommission old equipment. 5.0301.1f.



Measure the thickness from inside wall surface to the outside covering of the home. The wall thickness must not exceed the non-vented portion of the AC unit mounting assembly or unit itself (i.e., when installed, AC vents must not be blocked in any way).

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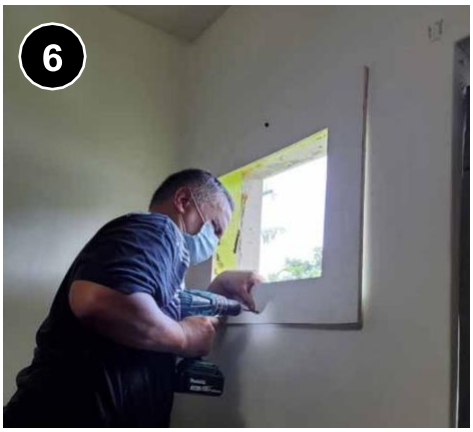
Remove the new AC until from its packaging and ensure the physical size will fit in the current hole without blocking vents. 50301.1a.

Ensure the supplied electrical cord is of sufficient length to reach the nearest outlet that meets the requirements of **NFPA 70 Article 422** (Maximum breaker size for the circuit matches or exceeds the breaker marking on the appliance). It is not allowable to plug the unit into an extension cord. Therefore, if the cord does not reach, proceed with one of the following options, based on the recommendation of the auditor and available funds:

a. Relocate the AC unit so the cord can reach the nearest outlet.
b. Install a new outlet that meets the requirements of the appliance within reach of the cord. *Note: This action will require H&S, IRM or other braided funds.*



Install the mounting bracket or frame and dry-fit the unit with the help of another individual. Ensure that once the unit is mounted (according to manufacturer's instructions) it will be stable, secure, and not pose a risk to occupant safety. 5.0301.1d.

Before installing through-wall unit, seal all adjacent framing and provide a sealed and sleeved opening. After installation, seal the perimeter with suitable materials. 5.0301.1e.

Mount the unit, leveling from left to right, keeping the unit's mounting surface flush with the inner surface of the mounting bracket, frame, or wall surface as per manufacturer instructions. Ensure the unit's condensate drain is at the lowest possible point, sloped away from the unit and the building.

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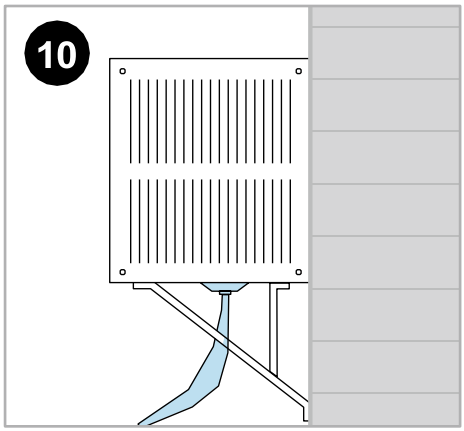
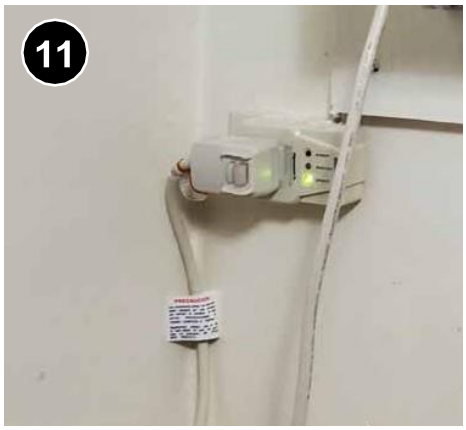
Seal the perimeter with suitable materials. Repair any excess holes in the wall opening with appropriate materials so it is aesthetically pleasing and sealed. 5.0301.1e.



Attach the drain hose (if supplied) to the outside of the air conditioner. Ensure condensate drains away from the building and any other items that may be damaged.



Plug the new unit in and ensure it operates properly.

Provide the occupant/owner with the user's manual for the system, warranty information, installation instructions, and installer contact information. 5.0301.1g.

Checklist

Install an AC (Through Wall)

DESIRED OUTCOME

Efficient, safe, and compliant room conditioning.

- [ ] Verify unit is 12 CEER or higher on name plate and of equal or lesser capacity to old unit.
- [ ] Verify unit is stable/safe, level left to right, and tilted slightly to the outside.
- [ ] Verify unit is sealed around its perimeter with appropriate materials.
- [ ] Verify unit vents are not blocked.
- [ ] Verify supplied cord reaches the nearest outlet without an extension cord.
- [ ] Verify unit operates appropriately.
- [ ] Verify condensate drips outside the home as intended.

ACKNOWLEDGEMENTS

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For more information, visit: energy.gov/SCEP

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