

# Template for Healthy Housing Challenge Repair Specs

## Explaining Their 12 Elements

<b>Repair #1234:</b>	<i>4-digit number provides easy handle and means to organize repairs</i>
<b>Repair Title:</b>	<i>Brief, descriptive name of the repair</i>
<b>Specifications:</b>	<i>Detailed description of WHAT the repair is intended to accomplish in terms of minimum performance standards, materials, and products. This is helpful to house captains as well as for writing clear specs when contracting out.</i>
<b>Design Features to Note:</b>	<i>List of “what the house captain needs to think about” in designing the project and ordering materials. Also reminds the assessor of important dimensions to take.</i>
<b>Likely Skill Level:</b>	<i>Advisory recommendation in three categories: Basic Volunteer, Advanced Volunteer, Contractor</i>
<b>Unit of Measure:</b>	<i>Whatever metric applies (SQ FT, LN FT, etc.) to assist with cost estimating</i>
<b>Unit Cost:</b>	<i>Rough estimate of cost, or range of costs, per-unit measure to develop cost estimate for the repair and project budget</i>
<b>Instructions:</b>	<i>Detailed step-by-step instructions on HOW to make the repair, written to the “grade level” of the volunteer (Instructions are not provided for repairs deemed “Contractor” skill level.)</i>
<b>Additional Resources:</b>	<i>Links to the best online resources identified, such as “how to” videos, to help house captains, team leaders, and volunteers master key steps</i>
<b>Safety Precautions:</b>	<i>Safety reminders to help protect volunteers</i>
<b>Special Tools:</b>	<i>List of specialized or out-of-the-ordinary tools</i>
<b>Related Repairs:</b>	<i>List of related repairs for easy cross-reference to spec sheets for other repairs</i>

**Repair #8307:** Vent Clothes Dryer Outside

**Specifications:** Repair or install 4-inch diameter rigid metal ducting to allow free airflow from clothes dryer outside with backflow preventer.

**Design Features to Note:**

1. Number of feet of rigid metal duct and flexible metal duct.
2. Number of metal elbows.
3. Type of vent hood – Louvered flappers or wall vent.

**Likely Skill Level:** Advanced

**Unit of Measure:** EA

**Unit Cost:** \$25 - \$50

**Instructions:**

1. Remove any existing duct and inspect vent hood for damage, holes, penetrating fasteners, and missing components. Inspect for lint build-up and clean out if required. If existing assembly is metal duct and in good working order, clean all components and reassemble following the steps below.
2. Plan shortest route to take vent duct outside with least number of elbows. Use rigid metal duct primarily, with no more than 2 feet of flexible metal ducting, such as at the dryer. Never use plastic ducting.
3. Clean any lint build-up at the vent outlet from the dryer unit.
4. Install elbow coupling over dryer vent port and attach using a band clamp. Do not use penetrating fasteners, such as screws, which can catch lint and create a blockage.
5. Attach duct such that crimped end is facing toward vent hood (outside) and secure joint with mastic and aluminum foil tape. Do not use fasteners that penetrate the duct.
6. Install metal strapping around duct to support in place. Make sure strap wraps completely around duct. Fasten strap to framing as required.
7. If required, drill 4-1/4 inch diameter hole through exterior wall.
8. Install metal vent hood with backflow preventer/flapper and secure vent hood to siding using exterior screws. Apply caulk between flange of hood and siding.
9. Test operation of dryer for proper airflow at the outside vent hood.

**Additional Resources:**

[http://nchh.org/Portals/0/Contents/Healthy-Housing-Challenge\\_Critical-Details\\_10\\_Dryer-Vent-Installation.pdf](http://nchh.org/Portals/0/Contents/Healthy-Housing-Challenge_Critical-Details_10_Dryer-Vent-Installation.pdf)

<http://www.hgtvremodels.com/for-pros/installing-dryer-vents-to-code/index.html>

<http://www.doityourself.com/stry/installdryervent#.Ulw7RxYX5UQ>

<http://www.familyhandyman.com/laundry-room/how-to-install-a-dryer-vent/view-all>

**Safety Precautions:**

**Special Tools:**

- Tin snips
- Metal crimper pliers
- Bimetal hole saw, 4-1/4 inch diameter

**Related Repairs:**

Replace Electric Clothes Dryer #8308