

The “Laborator” program is designed to calculate time savings on your project by having accessories installed at the factory.



# Instructions for Using Greenheck "Laborator"

| Contractor Variables        |        |
|-----------------------------|--------|
| Efficiency Factor of Labor: | 100%   |
| Corporate Overhead:         | 0%     |
| Cost of galv. (\$/lb):      | \$0.52 |

  

| Damper Installation                                                        |             |
|----------------------------------------------------------------------------|-------------|
| Do you use a single side or two sided retaining angle installation method? | Single Side |
| What type of breakaway connections do you use?                             | Ductmate    |

  

| Factory Supplied and Mounted Accessories                                                        |     |
|-------------------------------------------------------------------------------------------------|-----|
| Use Greenheck POC Retaining Angles (ship loose):                                                | Yes |
| Order damper sleeves from Greenheck:                                                            | No  |
| Factory mount retaining angles on actuator side (K or A side) of damper sleeve*:                | No  |
| Factory mount Universal Breakaway Connection on actuator side (K or A side) of damper sleeve**: | No  |
| Factory mount S & Drive on actuator side (K or A side) of damper sleeve:                        | No  |
| Factory mount access door:                                                                      | No  |

  

| Jobsite Details            |         |
|----------------------------|---------|
| Number of Dampers:         | 40      |
| Average Wage of Installer: | \$60.00 |

  

|                                                              |              |
|--------------------------------------------------------------|--------------|
| <b>Estimated Savings for Damper Installation (hours):</b>    | <b>8.00</b>  |
| <b>Estimated Labor Savings for Damper Installation (\$):</b> | <b>\$480</b> |
| <b>Estimated Material Savings (\$):</b>                      | <b>\$ 69</b> |
| <b>Estimated Increase of Dampers Cost (\$):</b>              | <b>\$265</b> |
| <b>Total Savings on the Job:</b>                             | <b>\$284</b> |

\* If factory mounted angles and 2-sided installation are selected it is assumed that the second set of angles will come from GFC.

\*\* If factory mounted universal breakaway flanges are selected it is assumed that the second set come assembled from GFC.

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# Greenheck "Laborator"

## Contractor Variables

| Contractor Variables        |        |   |
|-----------------------------|--------|---|
| Efficiency Factor of Labor: | 100%   | 1 |
| Corporate Overhead:         | 0%     | 2 |
| Cost of galv. (\$/lb):      | \$0.52 | 3 |

1. Enter your efficiency factor of labor. Efficiency factor of labor indicates the actual amount of value added time during an installation. Example: If 25% of the time during an installation is spent travelling to an opening or moving tools, ladders, etc. your labor efficiency factor is 75%.
2. Enter corporate overhead. Corporate overhead indicates costs outside of the actual construction process. Examples includes sales, marketing, engineering, insurance costs, etc.
3. Enter cost of galvanized material. Cost of galvanized material: Enter in dollars per pound (\$/lb.) that you pay for galvanized material.

## Damper Installation

| Damper Installation                                                        |             |   |
|----------------------------------------------------------------------------|-------------|---|
| Do you use a single side or two sided retaining angle installation method? | Single Side | 4 |
| What type of breakaway connections do you use?                             | Ductmate    | 5 |

4. Select single side or two side retaining angle installation.
5. Select the type of breakaway connection used (Example: S & Drive, Ductmate, or TDC/TDF)

## Factory Supplied and Mounted Accessories

| Factory Supplied and Mounted Accessories                                                        |     |    |
|-------------------------------------------------------------------------------------------------|-----|----|
| Use Greenheck POC Retaining Angles (ship loose):                                                | Yes | 6  |
| Order damper sleeves from Greenheck:                                                            | No  | 7  |
| Factory mount retaining angles on actuator side (K or A side) of damper sleeve*:                | No  | 8  |
| Factory mount Universal Breakaway Connection on actuator side (K or A side) of damper sleeve**: | No  | 9  |
| Factory mount S & Drive on actuator side (K or A side) of damper sleeve:                        | No  | 10 |
| Factory mount access door:                                                                      | No  | 11 |

6. Select no or yes for retaining angles ship loose. If you select no, angles will be factory fastened to sleeve.
7. Select no or yes if you are ordering factory supplied sleeves from Greenheck.
8. Will single side angle be factory fastened to the K or A side of the damper sleeve?
9. Will quick connect duct connection be factory installed: Enter no if slip & drive (S & Drive) is used.
10. Will slip & drive connections be factory installed? Enter no if quick connect is used.
11. Will access doors be factory mounted in sleeve?



# Greenheck "Laborator"

## Jobsite Details

| Jobsite Details            |         |
|----------------------------|---------|
| Number of Dampers:         | 40      |
| Average Wage of Installer: | \$60.00 |

12. Enter number of dampers being ordered.

13. Enter average wage per hour of installer.

|                                                       |              |
|-------------------------------------------------------|--------------|
| Estimated Savings for Damper Installation (hours):    | 8.00         |
| Estimated Labor Savings for Damper Installation (\$): | \$480        |
| Estimated Material Savings (\$):                      | \$ 69        |
| Estimated Increase of Dampers Cost (\$):              | \$265        |
| <b>Total Savings on the Job:</b>                      | <b>\$284</b> |

This spreadsheet will automatically generate estimated savings when you complete:

- Contractor Variables
- Damper Installation
- Factory Supplied & Mounted Accessories and
- Jobsite Details

