



Calculation Package Instructions

Warning:

1. Finished product must be reviewed by a qualified professional prior to use.
2. Do NOT modify tables or formulas.
3. Use latest version only.

Instructions:

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1. Enter Revision Level (Gray box to left)
2. Enter date (in gray box at left)
3. Enter file name of AutoDesign file in cell below. (Or simply choose the file after hitting the "Update" button.)

AT AutoDesign Beta Filled in Sample.xls

Preparer's Name

4. Fill in Name of Preparer (in grey box to left, if desired)

Update Calculations from AutoDesign file

5. Hit "Update Calculations" button at left.

Checking:

Review output page-by-page for errors.

Errors are typically highlighted in red.

Correct error in "AutoDesign" spreadsheet and hit "Update Calculations" button again.

Compression Members:

The Calculation Package completes the tension capacity and elongation portion of the analysis automatically.

Compression posts, nailing and termination header must be selected manually.

See more detailed instructions to the right.

Printing:

Print Calc Package to PDF

To print hit the "Print" button at left. And follow normal Excel printing procedures to make a PDF file.

Append AutoTight Catalog pages and Code Reports as needed the end of the main PDF.

The files are: AutoTight Catalog Info.pdf & AutoTight ESR-1344.pdf & COLA RR 25480.pdf

These files are in the same folder that this Calculation Package and the AutoDesigner file came in.

Append any supplemental calculations required.

Make sure to Un_Select the multiple selected worksheet tabs.



More Detailed Instructions for manual selections.

Compression Posts

The Compression Post line visibility here is controlled by item 50 on "1-Project Info" page of the AutoDesign Spreadsheet. "Structural" there turns them off here.

If lines for Compression Posts are shown on the runs. Go to level of each each run and:

1. fill in outer and inner compression posts (qty) & size for both 4x wall and 6x walls
2. fill in Capacity for each combination of compression posts for both 4x and 6x walls.
3. Get the sizes, quantities and load capacities of the posts from the Plans.

If they are not on the plans and you need to generate them, use the Post Calculation Spreadsheet.

Make sure they agree with the Termination tabs of this spreadsheet. (if they are used)

Nails

Strengths are based on DFL and 16d Sinkers

If you have a Mid Floor "bridge" Termination type on this job then for each Run:

Go to # Nails (Col P) & select a quantity of nails to make D/C ratio (Col R) < 100%. (Start with col S)

Transfer that nail quantity to drawing AT11 in the top level Mid-Floor "bridge" Termination notes.

Check the notes at the bottoms of the Run pages to make sure they are appropriate to your job.

All runs carry the same notes.

Add your own notes as needed.

Run Terminations

Go to Term Header or Term Top Plate depending on your configuration & follow instructions there.

Select whether to print termination calculations below.

- Print Top Plate Termination Print Mid Wall "Bridge" Termination

To prepare documents to send to the qualified stamping professional

Print the appropriate worksheets to a PDF using the "Print" button at left.

The "Print" button prints all the runs that have names in the AutoDesign file.

If the print button is not compatible with your Computer System, print Manually as follows:

Select the following tabs to print using control-click or shift-click on the tabs to select multiple tabs.

"Cover", "Run Key", "Run 1", ... , "Run n" [Where "Run 1", ... , "Run n" are all the runs used in your project.]

Select "Term Header" or "Top Plate Term" sheets if needed.

If the print button failed to print, the correct tabs should still be selected.

WARNING: this powerful method can be very dangerous.

Make sure you un-select the multiple selected tabs immediately after printing.

Otherwise you will accidentally perform all subsequent actions on all of the selected tabs.

To unselect the group, click a tab that is not selected.

If the print button failed to print, multiple tabs will remain selected and must be cleared.

Use your Excel's Print Preview function to check your printing job.

Use "Setup" to adjust parameters if needed.

From there use "Print" to continue and select your PDF printer.

Append AutoTight Catalog pages and Code Reports as needed the end of the main PDF.

AutoTight Catalog Info.pdf & AutoTight ESR-1344.pdf & COLA RR 25480.pdf

You should find these in the same folder that this Calculation Package file came in.

Append any supplemental calculations that your qualified stamping professional requires to end of the PDF.