

# **Commercial Roofing Starter Pack**

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## **User Guide**

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**PlanSwift**

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# Overview

This guide will teach you how to properly use the tools and features found within the Commercial Roofing Starter Pack. It is designed for use with PlanSwift® Takeoff and Estimating Software. This guide is not meant to be a step-by-step “walk through” document, although it can be used as a reference for getting the work done. If you encounter technical difficulty, consult this guide (including the [FAQ](#) section of this user manual) or contact the technical support department at:

PlanSwift® Technical Support  
[support@PlanSwift.com](mailto:support@PlanSwift.com)  
1-888-752-6794 ext. 2

PlanSwift also offers additional training. For training options, contact the training department at:

PlanSwift® Training Department  
[training@PlanSwift.com](mailto:training@PlanSwift.com)  
1-888-752-6794 ext. 4

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# Purchasing and Installation

## Purchasing Plugins

If you need to purchase PlanSwift or a plugin product, contact the Sales Department at:

PlanSwift® Sales  
[sales@PlanSwift.com](mailto:sales@PlanSwift.com)  
1-888-752-6794 Ext. 1

## Installation and Uninstallation

Installing and uninstalling plugins and starter packs is simple. For installing them, click on the Import Plugin Package icon (arrow 1 in Figure 1) from the PlanSwift Main Ribbon-bar **Plugin** tab (arrow 3 of Figure 1) and follow the prompts from there. For uninstalling, click on the Uninstall Plugin (arrow 2 in Figure 1) and follow those prompts.

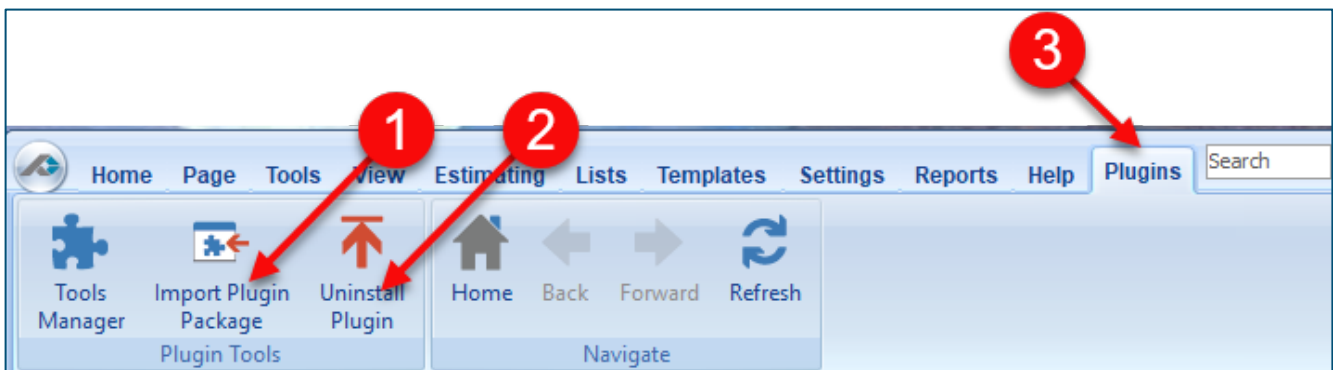


Figure 1

## Features

The Commercial Roofing Starter Pack includes [Commercial Roof Assemblies](#) and [Commercial Roof Parts](#) found in the Templates tab of PlanSwift. These are listed in the [Compendium](#) at the end of this guide. With these commercial roof assemblies and parts, PlanSwift users can easily customize assemblies and parts for later use. Starter Packs contain a large library of prebuilt templates, parts and assemblies. Modifying the

library of parts and assemblies for any Starter Pack allows users the ability to customize their Templates to their specific needs. Users will save countless hours of setup by utilizing a Starter Pack as their starting point for building custom parts and assemblies. The instructions below will guide new users through the basics of modifying parts and assemblies. We highly recommend purchasing a training package for accelerated learning and faster customization.

# How To

## How to: Copy and Paste an Assembly

The purpose of copying and pasting an assembly is to allow the user to copy and then modify the assembly for later use. As an example, you may want two different assemblies: one might include a part, and another might have an alternative part or not include that part at all. By copying one assembly and then modifying and renaming the copy (for easy identification), you can have two different assemblies available, allowing for easier and faster takeoffs. Figure 2 shows the **Templates Tab** (arrow 1) and the **Area Takeoff Item Example 1** assembly (arrow 2). If you want to add another assembly but with no **Material 3**, then you would click on the assembly you want to copy (arrow 2), click on **Copy** (arrow 3), and then click on **Paste** (arrow 4).

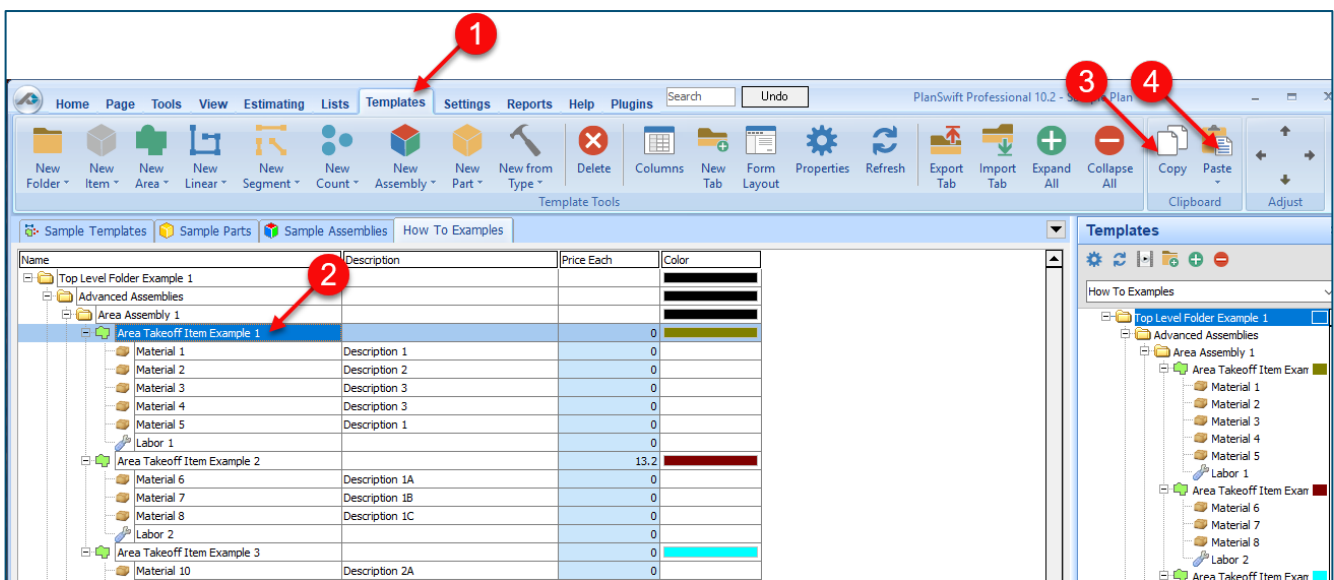


Figure 2

Figure 3 shows the original (arrows 1) and new **Area Takeoff Item Example 1** assembly (arrow 2). To delete the **Material 3** (arrow 3) from the newly created **Area Takeoff Item Example 1** assembly (arrow 2), click on **Material 3** (arrow 3), click on **Delete** (arrow 4), and click on **OK** in the popup window to confirm the deletion.

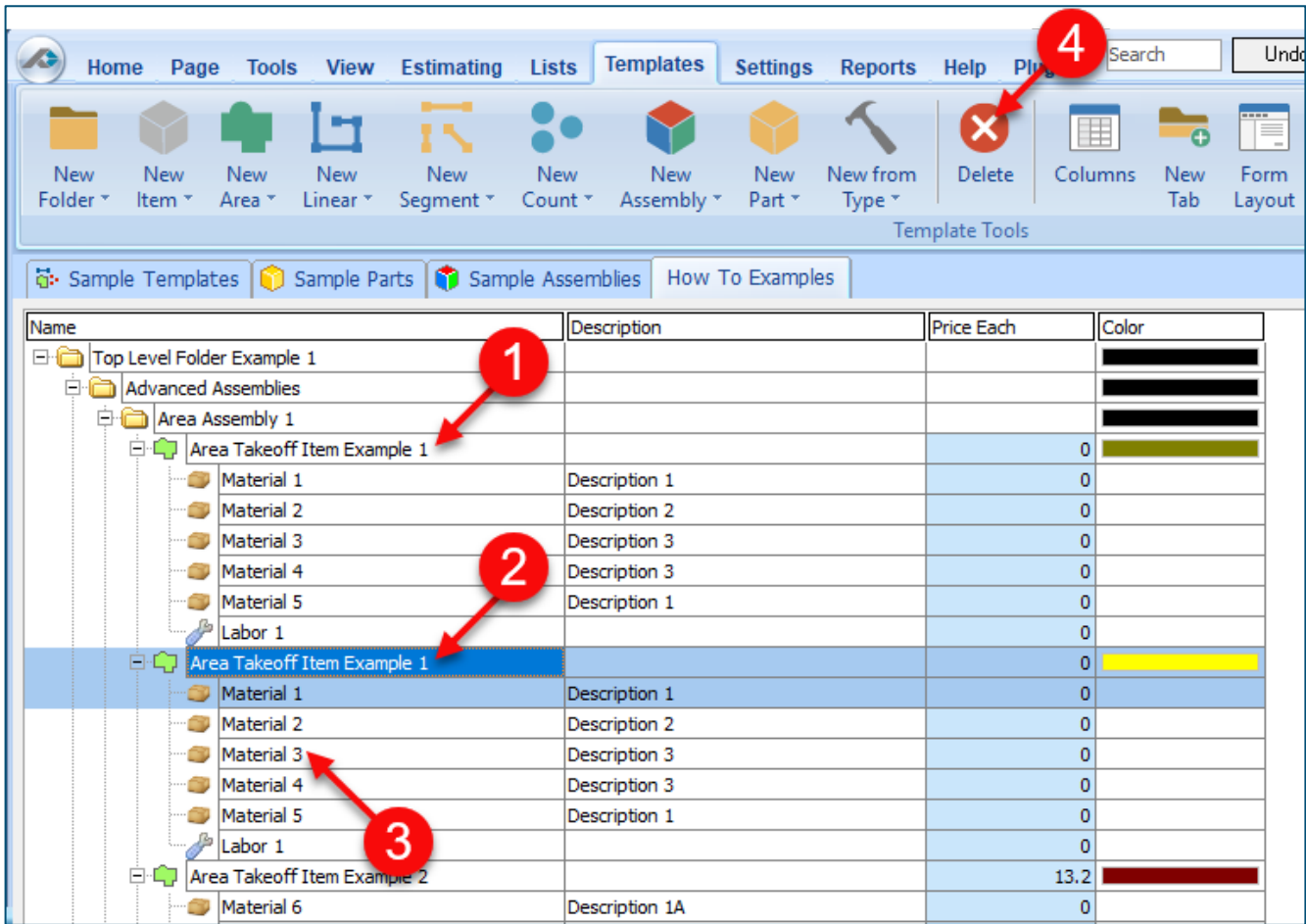


Figure 3

Figure 4 now shows the two assemblies, one with (arrow 1) and one without (arrow 2) the **Material 3** item. You can now change the description of the duplicated **Area Takeoff Item Example 1** (arrow 3) without the **Material 3** item by double-clicking the duplicate **Area Takeoff Item Example 1** (arrow 3).

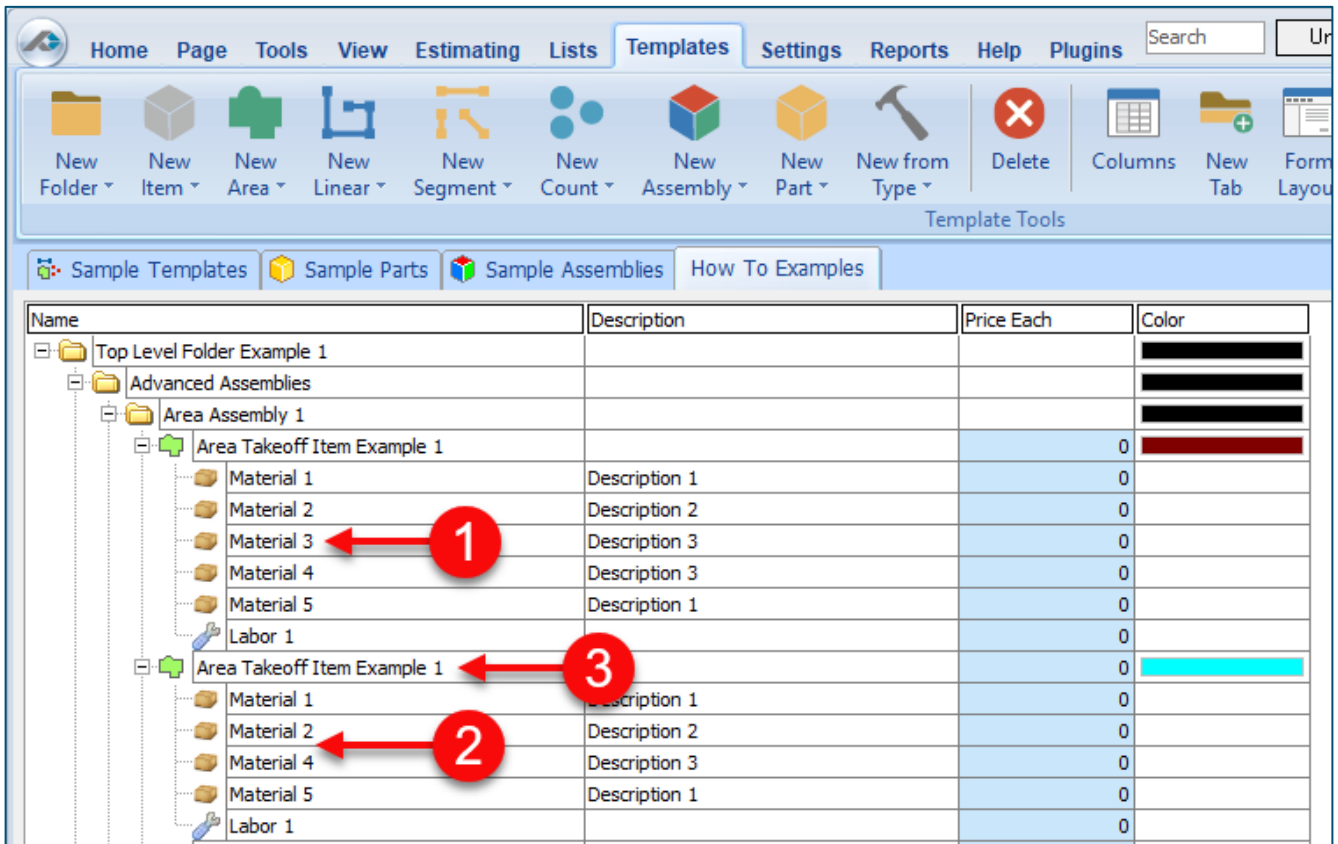


Figure 4

This opens the **Properties – [Area Takeoff Item Example 1]** window (Figure 5) where you can change the assembly’s name to something like **Area Takeoff Item Example 1— No Material 3** to make it easier to identify.

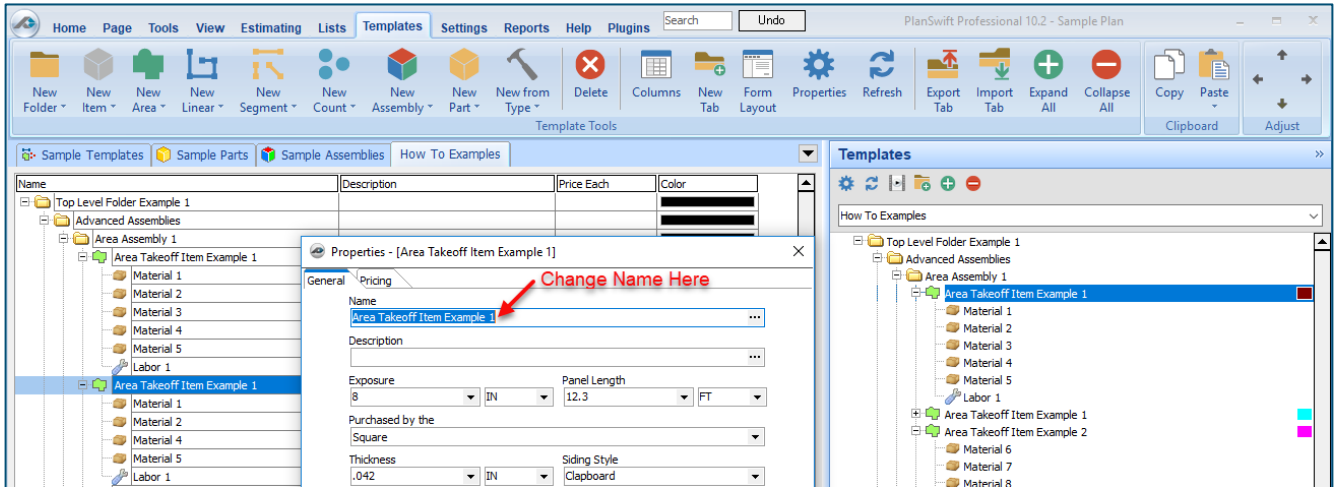


Figure 5

Click on **Ok** in the **Properties** window after you have entered the name. Figure 6 shows the new name.

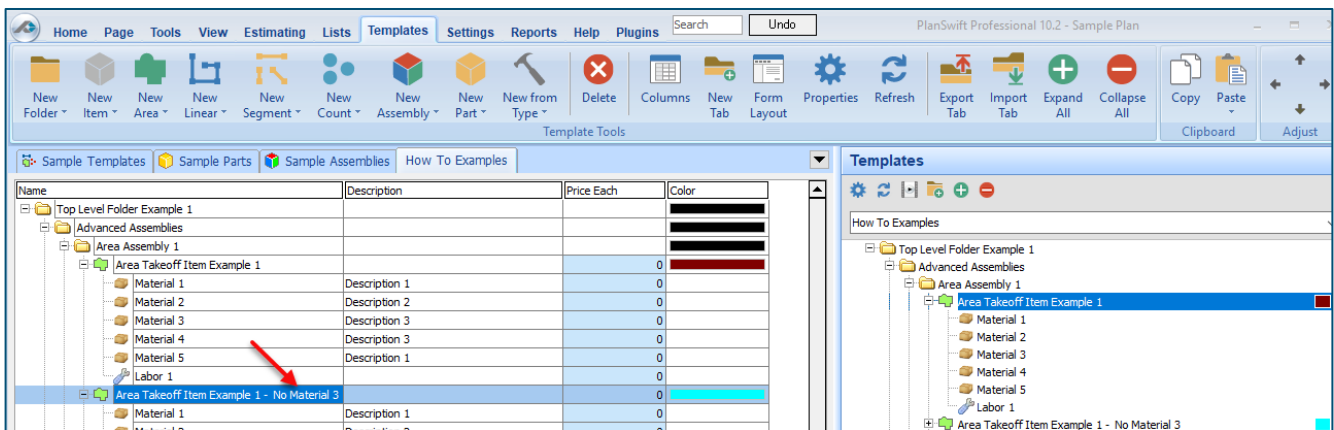
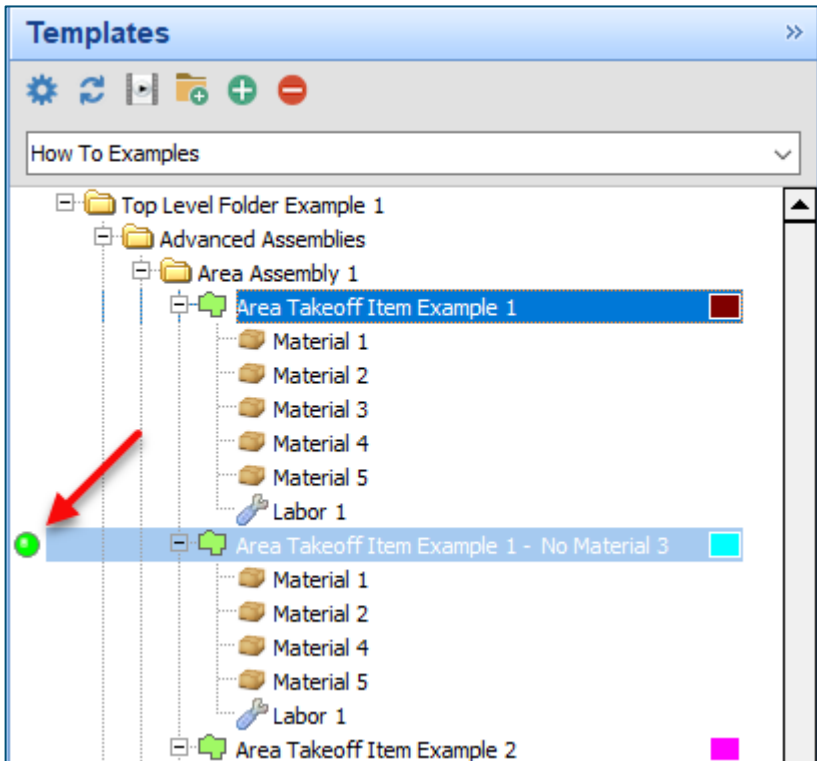


Figure 6



To perform a takeoff with the **Area Takeoff Item Example 1—No Material 3** assembly, go to the takeoff page, click on the green **Record Button** (see the arrow in Figure 7) in the **Templates** sidebar window, and then proceed to do your takeoff.



**Figure 7**

### Disclaimer

Any modifications that a user makes to a Starter Pack should always be tested and verified by that user to ensure quantities and calculations are accurate. PlanSwift cannot verify the accuracy of modifications made to templates, parts and assemblies by the user.

## How to: Copy and Paste Parts

Copying and pasting parts is handled similarly to copying and pasting an assembly. If, for instance, you want to move **Material 6** in **Area Takeoff Item Example 2** to **Area Takeoff Item Example 1**, click on **Material 6** (arrow 1), then click on copy (arrow 2) as shown in Figure 8.

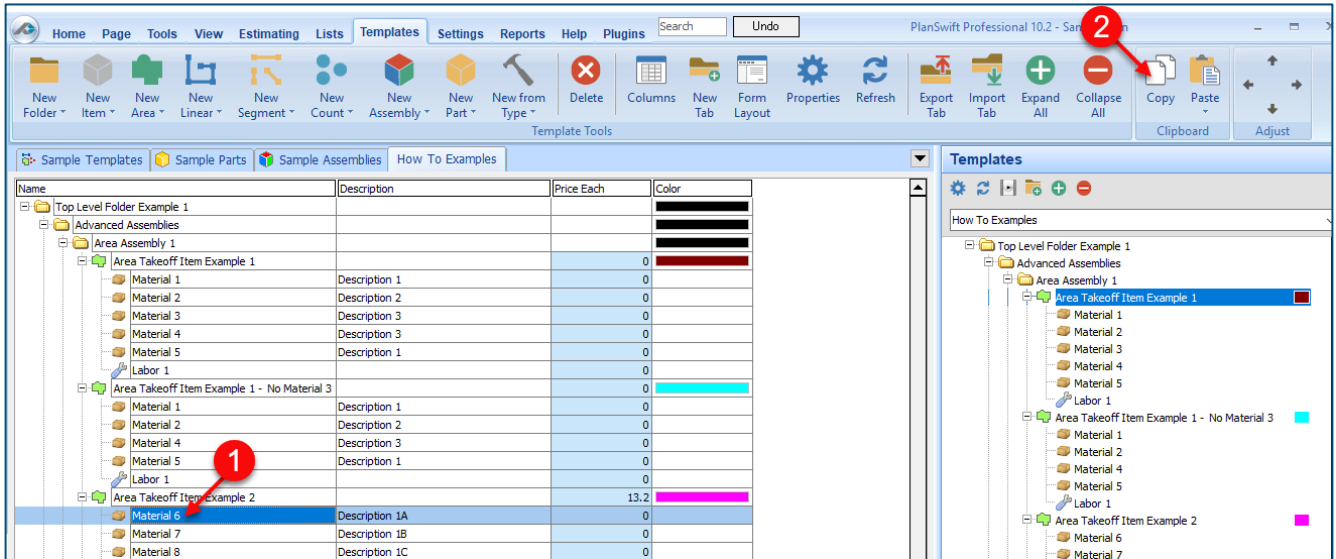
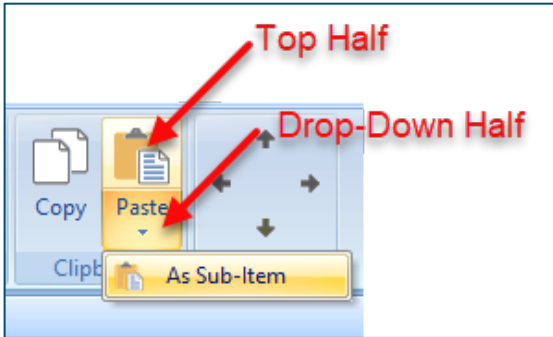


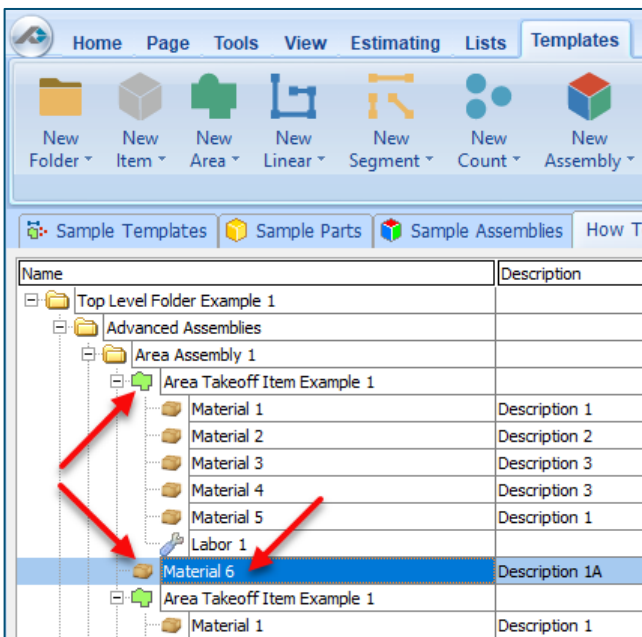
Figure 8

There are now two ways to paste the part. The first is to paste it at the same hierarchical level of a selected item, and the second is to paste it as a sub-item of a selected item. Figure 9 shows the **Paste** button. Clicking on the top half of the button pastes the part at the same hierarchical level of a selected item. Clicking on the drop-down half of the button, then selecting **As Sub-Item** pastes the part as a sub-item of the selected item.



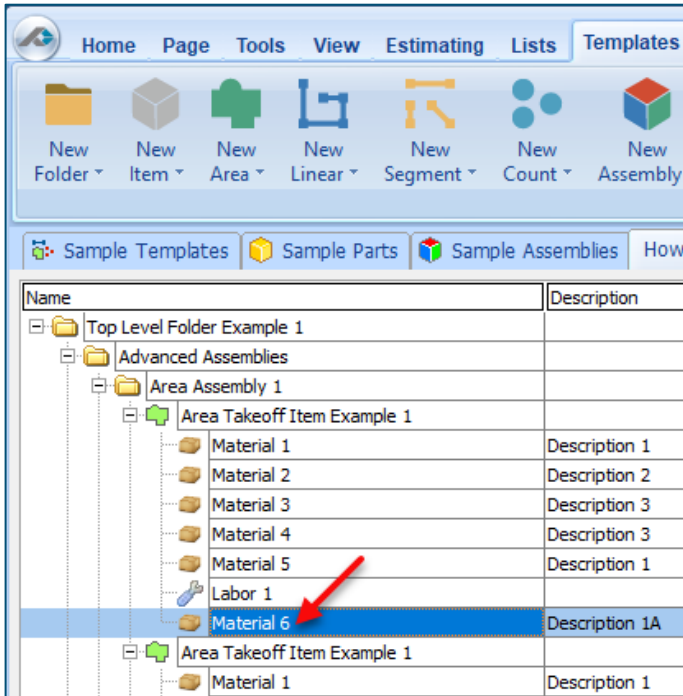
**Figure 9**

Click on **Area Takeoff Item Example 1**, then click on the top half of **Paste**. As shown in Figure 10, **Material 6** gets pasted at the same hierarchical level as **Area Takeoff Item Example 1**.



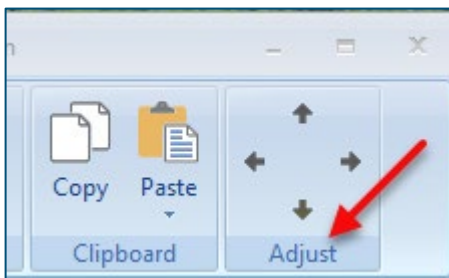
**Figure 10**

If you had selected the drop-down half of the **Paste** button, then **Material 6** would be a sub-item of **Area Takeoff Item Example 1**. Figure 11 shows **Material 6** as a sub-item.



**Figure 11**

Another way to adjust the hierarchy of an item, such as **Material 6**, is to use the Main Ribbon bar arrow **Adjust** keys (Figure 12).



**Figure 12**

The left and right **Adjust** arrows move the item left and right (up or down) in the hierarchy, and the up and down **Adjust** arrows keys moves the item higher and lower in the list of items.

A shortcut to the **Copy** and **Paste** and **Paste as Sub-Item** selections is available with a right-click menu. Figure 13 shows the **Copy**, **Paste**, and **Paste As Sub-Item** options on the right-click menu when **Material 6** is right-clicked on.

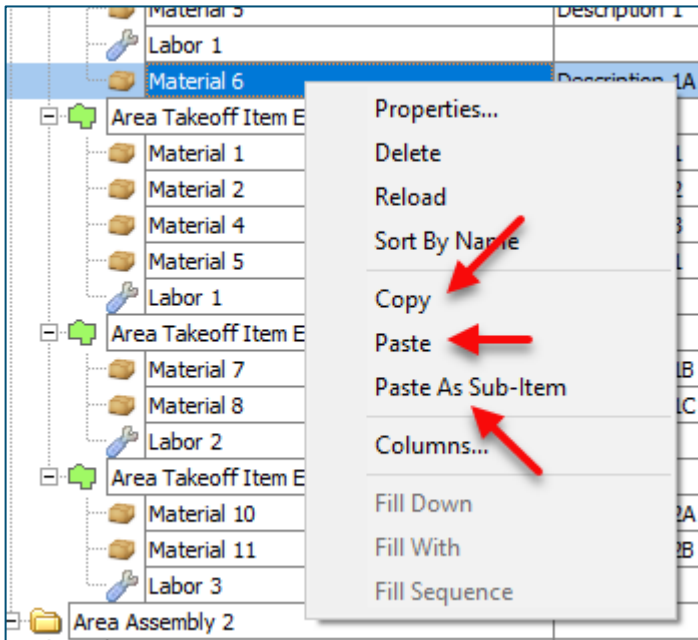


Figure 13

Double-clicking on **Material 6** allows you to change the name of the item and alter other properties of the item (Figure 14). To change the name of **Material 6**, double-click on the **Material 6** name, type the new name, and click on **Ok**.

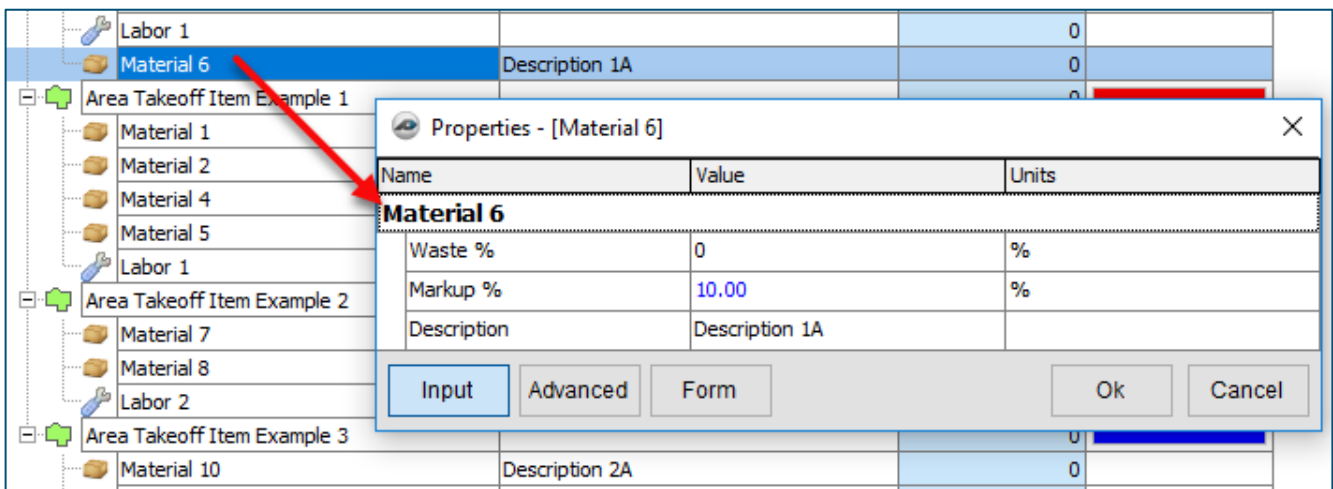
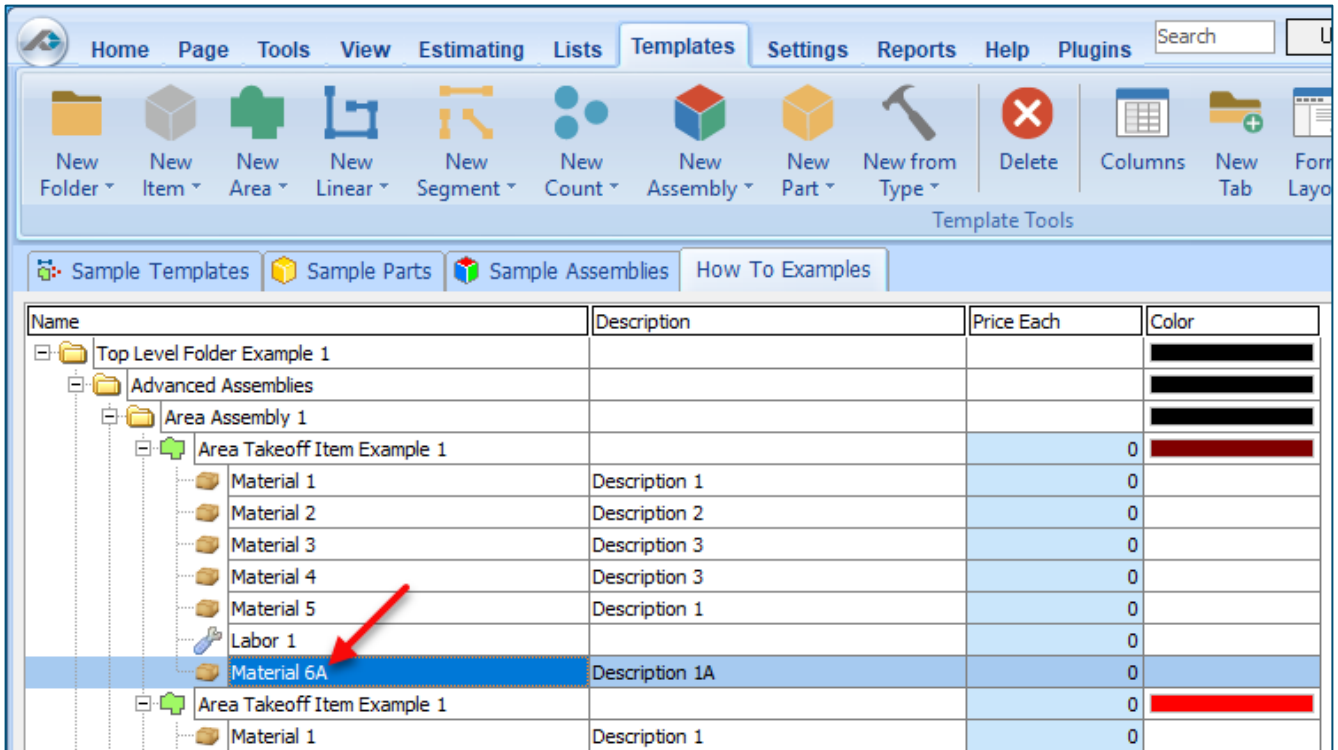


Figure 14

Figure 15 shows **Material 6** renamed to **Material 6A**.



**Figure 15**

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## How to: Drag and Drop Parts

Parts may be dragged and dropped from one assembly to another assembly. If, for instance, you want to drag the **Material 8** item from **Area Takeoff Item Example 2** up to **Area Takeoff Item Example 1**, click on **Material 8** and drag it up to just below **Material 6A** (see Figure 16) and release the mouse button.

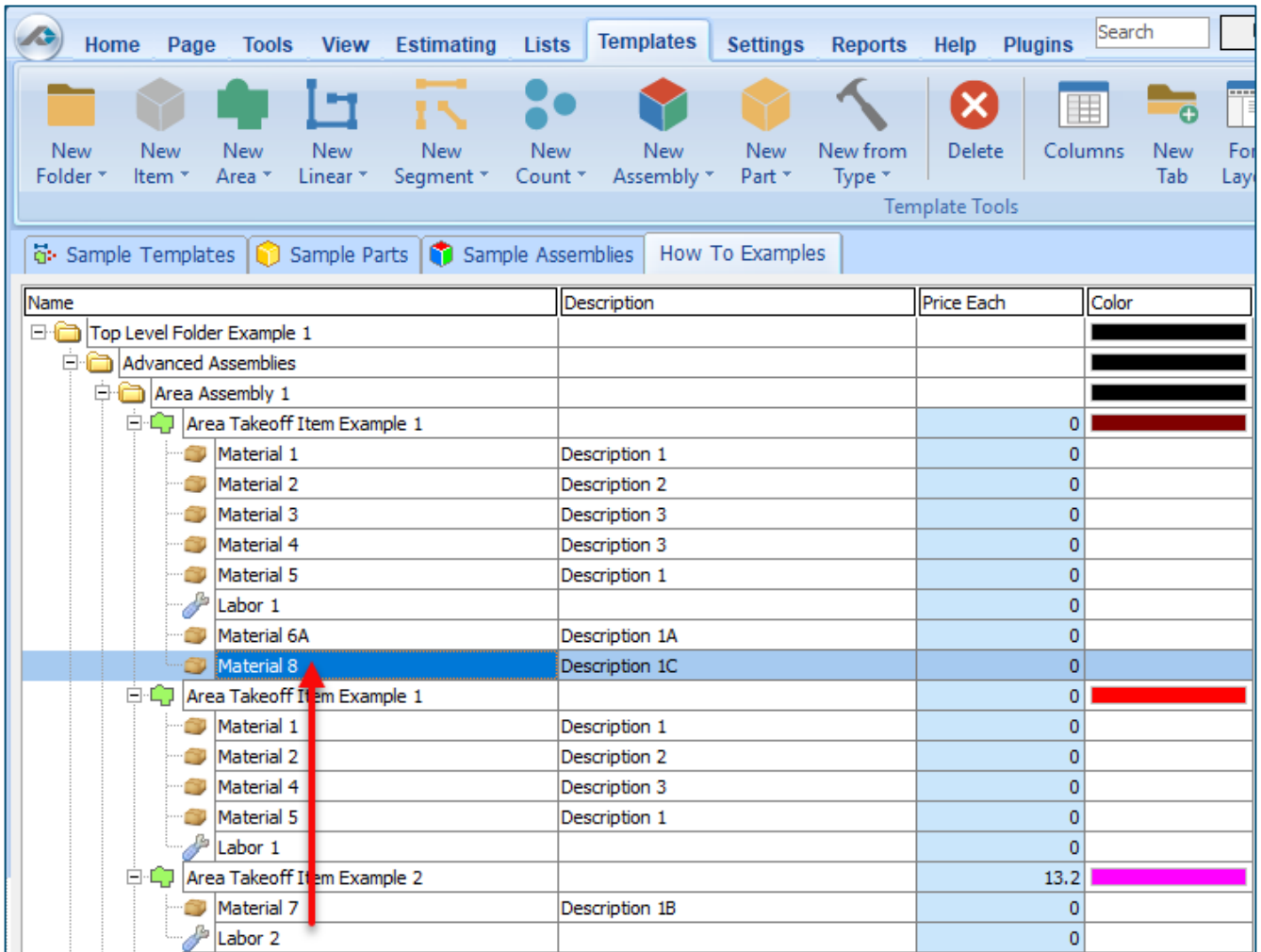


Figure 16

Notice that dragging the part this way *moves* the part from the **Example 2** assembly to the **Example 1** assembly, *not* leaving behind a copy.

The **Templates** sidebar window is a summarized view of everything in the Templates Tab. It is designed for easily dragging and dropping parts and for quickly launching takeoff templates and assemblies.

Parts may be dragged over from the **Templates** sidebar window into the **Templates Tab** window; note that dragging any part from the **Templates** sidebar window makes a copy of it. If, for instance, you want a **Material 7** item added to **Area Takeoff Item Example 1** as a sub-item, simply drag the **Material 7** from the right **Templates** sidebar window over on top of **Area Takeoff Item Example 1** label and release the mouse button. (Figure 17).

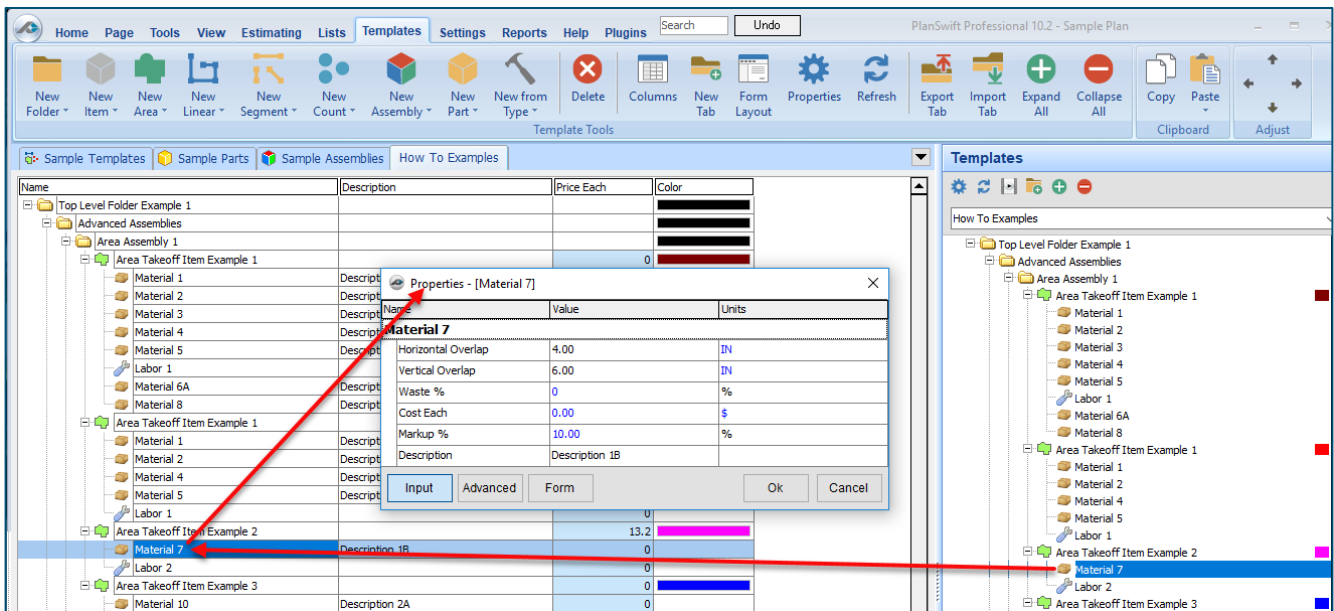


Figure 17

Figure 17 shows the **Material 7** item in place after it was dropped on top of **Area Takeoff Item Example 1**. In addition, the **Properties – [Material 7]** window automatically opens, allowing the user to change any properties for **Material 7**. Click on **Ok** to close the **Properties – [Material 7]** window.



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## Disclaimer

Any modifications that a user makes to a Starter Pack should always be tested and verified by that user to ensure quantities and calculations are accurate. PlanSwift cannot verify the accuracy of modifications made to templates, parts and assemblies by the user.

## FAQ

**Question:** I've read this user guide, and I still have questions. What do I do?

**Answer:** PlanSwift recommends that you purchase a training package. We highly recommend new users purchase a training package, because training is customized to each user. We offer [one-on-one training](#) and [classroom training](#). Contact [training@PlanSwift.com](mailto:training@PlanSwift.com) or at 1-888-752-6794 Ext. 4.

**Question:** Does the Starter Pack include everything a contractor will need to generate an estimate?

**Answer:** No. A Starter Pack is a tool to get you started toward creating a complete estimate. For example, the Starter Pack does not include industry pricing for materials and labor. However, you can supply prices for materials and labor on the assemblies and labor included in the Starter Pack.

**Question:** Do I have to input all the pricing for all my parts?

**Answer:** Inputting pricing is optional. You can use the Starter Pack to generate quantities that you can then send to your supplier, who can then provide you current pricing. Inputting pricing on your own is optional. If your industry's pricing is not subject to frequent changes, you may want to consider inputting your pricing in PlanSwift.

# Compendium

## Commercial Roof Assemblies

Name	Description	Division	Type	Color
TPO Single-Ply Roofing	Thermoplastic Polyolefin		Folder	Black
Assemblies			Folder	Black
TPO MF System	Mechanically Fastened		Area	Green
TPO Reinf. 45 Mil Mem.	10' x 100' Roll		Material	
6" Seam Tape	100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Insulation Mech. Fastened	4' x 4' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Vapor Barrier	3.75' x 134' Roll		Material	
Labor	Priced per SQ FT		Labor	
TPO FA System	Fully Adhered		Area	Red
TPO Reinf. 45 Mil Mem.	10' x 100' Roll		Material	
6" Seam Tape	100' Roll		Material	
TPO Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT		Material	
Insulation Mech. Fastened	4' x 4' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Vapor Barrier	3.75' x 134' Roll		Material	
Labor	Priced per SQ FT		Labor	
TPO MF System w/ Cover Board	Mechanically Fastened		Area	Blue
TPO Reinf. 45 Mil Mem.	10' x 100' Roll		Material	
6" Seam Tape	100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 12" O.C. Spacing, 1000 per Box		Material	
Cover Board	4' x 8' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Insulation Mech. Fastened	4' x 4' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Vapor Barrier	3.75' x 134' Roll		Material	
Labor	Priced per SQ FT		Labor	

## Commercial Roof Assemblies – Continued

Name	Description	Division	Type	Color
[-] TPO FA System w/ Cover Board	Fully Adhered		Area	Green
[-] TPO Reinf. 45 Mil Mem.	10' x 100' Roll w/ 6" Overlap		Material	
[-] 6" Seam Tape	100' Roll		Material	
[-] TPO Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT		Material	
[-] Cover Board	4' x 8' Sheets		Material	
[-] 4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
[-] 2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
[-] Insulation Mech. Fastened	4' x 4' Sheets		Material	
[-] 4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
[-] 2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
[-] Vapor Barrier	3.75' x 13'4" Roll		Material	
[-] Labor	Priced per SQ FT		Labor	
[-] TPO Wall Flashing			Linear	Blue
[-] TPO 45 Mil	10' x 100' Roll		Material	
[-] TPO/EPDM LVOC Adhesive	LVOC, 5 Gal. Container		Material	
[-] Sloped Metal Coping	12' Lengths		Material	
[-] Labor	Priced per SQ FT		Labor	
[-] TPO 10" Flashing			Linear	Olive
[-] 10" TPO Flashing	100' Roll		Material	
[-] Labor	Priced per FT		Labor	
[-] TPO Pipe Boot			Count	Green
[-] TPO Pipe Boot			Material	
[-] Labor	Priced Each		Labor	
[-] TPO Turbine Vent			Count	Red
[-] Turbine Vent			Material	
[-] Labor	Priced Each		Labor	
[-] Basic Takeoff			Folder	Black
[-] TPO System			Area	Green
[-] TPO Flashing			Linear	Red
[-] TPO Wall Flashing			Linear	Cyan
[-] TPO Drains			Count	Magenta
[-] TPO Pipe Boots			Count	Blue
[-] TPO Extrusions			Count	Yellow

## Commercial Roof Assemblies – Continued

Name	Description	Division	Type	Color
[-] PVC Single-Ply Roofing	Polyvinyl Chloride		Folder	Black
[-] Assemblies			Folder	Black
[-] PVC MF System	Mechanically Fastened		Area	Red
[-] PVC Reinf. 50 Mil Mem.	10' x 100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 12 O.C. Spacing, 1000 per Box		Material	
[-] Cover Board MF	4' x 8' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Vapor Barrier	3.75' x 134' Roll		Material	
Insulation Loose Laid	4' x 4' Sheets		Material	
Labor	Priced per SQ FT		Labor	
[-] PVC FA System	Fully Adhered		Area	Teal
PVC Poly Fleece Backed 50 Mil Mem.	10' x 100' Roll		Material	
PVC Low-VOC Adhesive	PVC Low-VOC, 5 Gal. Container, Covers 250 SQ FT		Material	
Insulation Adhered	4' x 4' Sheets		Material	
2-Part Urethane Adhesive	5 Gal. Container		Material	
Vapor Barrier	3.75' x 134' Roll		Material	
Labor	Priced per SQ FT		Labor	
[-] PVC Wall Flashing FA	Fully Adhered		Linear	Purple
PVC 60 Mil	10' x 100' Roll		Material	
Sloped Metal Coping	12' Lengths		Material	
PVC Water Based Membrane Adh.	5 Gal. Container, Covers 550 SQ FT		Material	
Labor	Price per SQ FT		Labor	
[-] PVC Curb Flashing	Fully Adhered		Linear	Dark Blue
PVC 60 Mil	10' x 100' Roll		Material	
PVC Water Based Membrane Adh.	5 Gal. Container, Covers 550 SQ FT		Material	
Labor	Priced per SQ FT		Labor	
[-] PVC Pipe Boot			Count	Olive Green
PVC Pipe Boot			Material	
Labor			Labor	
[-] Basic Takeoff			Folder	Black
PVC System			Area	Dark Red
PVC Flashing			Linear	Cyan
PVC Wall Flashing			Linear	Magenta
PVC Drains			Count	Blue
PVC Pipe Boots			Count	Yellow
PVC Extrusions			Count	Light Green















## Commercial Roof Assemblies – Continued

Name	Description	Division	Type	Color
EPDM Single Ply Roofing	Ethylene Propylene Diene Monomer		Folder	Black
Assemblies			Folder	Black
EPDM FA System	Fully Adhered		Area	Red
EPDM Non-Reinf. 60 Mil Mem.	10' x 100' Roll		Material	
Seam Tape	100' Roll		Material	
EPDM Adhesive	Water Based, 5 Gal. Container, Covers 120 Sq Ft		Material	
Insulation Mech. Fastened	4' x 4' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000 per Box		Material	
Vapor Barrier	3.75' x 134' Roll		Material	
Labor			Labor	
EPDM MF System	Mechanically Fastened		Area	Teal
EPDM Reinf. 60 Mil Mem.	10' x 100' Roll		Material	
Seam Tape	100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 12 O.C. Spacing, per Box		Material	
Cover Board	4' x 8' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Insulation Mech. Fastened	4' x 4' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Vapor Barrier	3.75' x 134' Roll		Material	
Labor			Labor	
EPDM BA System	Ballasted		Area	Purple
EPDM Non-Reinf. 60 Mil Mem.	10' x 100' Roll		Material	
Seam Tape	100' Roll		Material	
Insulation Mech. Fastened	4' x 4' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000 per Box		Material	
Stone			Material	
Vapor Barrier	3.75' x 134' Roll		Material	
Labor			Labor	
EPDM Curb Flashing			Linear	Dark Blue
EPDM NR 60 Mil	10' x 100' Roll		Material	
EPDM Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT		Material	
Labor			Labor	
EPDM Wall Flashing FA			Linear	Olive Green
EPDM NR 60 Mil	10' x 100' Roll		Material	
EPDM Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT		Material	
Labor			Labor	
EPDM Pipe Boot			Count	Green
EPDM Pipe Boot			Material	
Labor			Labor	
Basic Takeoff			Folder	Black
EPDM System			Area	Red
EPDM Flashing			Linear	Cyan
EPDM Wall Flashing			Linear	Magenta
EPDM Drains			Count	Blue
EPDM Pipe Boots			Count	Yellow
EPDM Extrusions			Count	Light Green

## Commercial Roof Assemblies – Continued

Name	Description	Division	Type	Color
[-] BUR Multi-Ply Roofing	Built Up Roofing		Folder	Black
[-] Assemblies			Folder	Black
[-] BUR Three-Ply			Area	Green
Cap Sheet	Coverage: 100 SQ FT per Roll		Material	
Ply Sheet	Coverage: 300 SQ FT per Roll		Material	
Base Sheet	Coverage: 300 SQ FT per Roll		Material	
Type III Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Metal Plates	Metal Plates, 1000/Box		Material	
Insulation MF	4' x 4' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Cover Board MF	4' x 8' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Labor	Priced per SQ FT		Labor	
[-] BUR Four-Ply			Area	Red
Cap Sheet	Coverage: 100 SQ FT per Roll		Material	
Ply Sheet	Coverage: 300 SQ FT per Roll		Material	
Base Sheet	Coverage: 300 SQ FT per Roll		Material	
Type III Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Metal Plates	Metal Plates, 1000/Box		Material	
Insulation MF	4' x 4' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Cover Board MF	4' x 8' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Labor	Priced per SQ FT		Labor	
[-] BUR Five-Ply			Area	Blue
Cap Sheet	Coverage: 100 SQ FT per Roll		Material	
Ply Sheet	Coverage: 300 SQ FT per Roll		Material	
Base Sheet	Coverage: 300 SQ FT per Roll		Material	
Type III Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Metal Plates	Metal Plates, 1000/Box		Material	
Insulation MF	4' x 4' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Cover Board MF	4' x 8' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Labor	Priced per SQ FT		Labor	

## Commercial Roof Assemblies – Continued

Name	Description	Division	Type	Color
[-] BUR Five-Ply			Area	
Cap Sheet	Coverage: 100 SQ FT per Roll		Material	
Ply Sheet	Coverage: 300 SQ FT per Roll		Material	
Base Sheet	Coverage: 300 SQ FT per Roll		Material	
Type III Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Metal Plates	Metal Plates, 1000/Box		Material	
Insulation MF	4' x 4' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Cover Board MF	4' x 8' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Labor	Priced per SQ FT		Labor	
[-] BUR Fascia Edge Flashing			Linear	
12" Flashing Membrane	12" X 50' Roll		Material	
Tapered Edge Strip	10' Lengths		Material	
Metal Fascia	12' Lengths		Material	
Metal Water Dam	12' Lengths		Material	
1" Roof Nails	1 Row(s) at 6" O.C. Spacing, 5000 per Box		Material	
Labor	Priced per FT		Labor	
[-] BUR Parapet Wall			Linear	
Base Flashing	3' x 50' Roll Size, 1 Layer(s)		Material	
Cap Flashing	3' x 50' Roll Size, 1 Layer(s)		Material	
Cant Strip	10' Lengths		Material	
Fasteners	12" O.C. Spacing, 1 Row(s), 5000 per Box		Material	
Flashing Cement	20 SQ FT/GAL		Material	
Asphalt Primer	100 SQ FT/GAL, 1 Coat(s)		Material	
Labor	Priced per SQ FT		Labor	
[-] BUR Flat Edge Flashing			Linear	
Cap Flashing	24" x 50' Roll		Material	
Base Flashing	24" x 50' Roll		Material	
4" Metal Roof Edge	8' Lengths		Material	
4" Joint Cover	8' O.C. Spacing		Material	
Fasteners	12" O.C. Spacing, 1 Row(s), 5000 per Box		Material	
Labor	Priced per FT		Labor	
[-] BUR Drain			Count	
Strainer			Material	
Clamp Ring			Material	
Deck Ring			Material	
Lead Flashing	3' x 3' Sheet(s)		Material	
Flashing Cement	100 SQ FT/GAL		Material	
Labor	Priced Each		Labor	
[-] Basic Takeoff			Folder	
[-] BUR System			Area	
[-] BUR Flashing			Linear	
[-] BUR Wall Flashing			Linear	
[-] BUR Drains			Count	
[-] BUR Pipe Boots			Count	
[-] BUR Extrusions			Count	



## Commercial Roof Assemblies – Continued

Name	Description	Division	Type	Color
SBS Multi-Ply Roofing	Styrene Butadiene Styrene		Folder	Black
Assemblies			Folder	Black
SBS Two-Ply CA	Cold Applied		Area	Green
Cap Sheet	100 SQ FT/Roll(s)		Material	
Base Sheet	145 SQ FT Roll(s), 1 Layer(s)		Material	
Cold Application Adhesive	Water Based, 5 Gal. Container, Covers 50 SQ FT		Material	
Cover Board	4' x 8' Sheet(s)		Material	
Insulation Mech. Fastened	4' x 4' Sheet		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box(s)		Material	
Labor	Priced per SQ FT		Labor	
SBS Three-Ply CA	Cold Applied		Area	Red
Cap Sheet	95.8 SQ FT/Roll(s)		Material	
Interm. Ply	100 SQ FT/Roll(s)		Material	
Base Sheet	145 SQ FT/Roll(s)		Material	
Cold Application Adhesive	Water Based, 5 Gal. Container, Covers 50 SQ FT		Material	
Cover Board	4' x 8' Sheets		Material	
Insulation Mech. Fastened	4' x 4' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail(s)		Material	
2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
Labor	Priced per SQ FT		Labor	
SBS Fascia Edge Flashing			Linear	Teal
12" Flashing Membrane	12" X 50' Roll		Material	
Tapered Edge Strip	10' Lengths		Material	
Metal Fascia	12' Lengths		Material	
Metal Water Dam	12' Lengths		Material	
1" Roof Nails	1 Row(s) at 6" O.C. Spacing, 5000 per Box		Material	
Labor	Priced per FT		Labor	
SBS Parapet Wall			Linear	Purple
Base Flashing	3' x 50' Roll Size, 1 Layer(s)		Material	
Cap Flashing	3' x 50' Roll Size, 1 Layer(s)		Material	
Flashing Cement	20 SQ FT/GAL		Material	
Cant Strip	10' Lengths		Material	
Fasteners	12" O.C. Spacing, 1 Row(s), 5000 per Box		Material	
Asphalt Primer	100 SQ FT/GAL, 1 Coat(s)		Material	
Labor	Priced per SQ FT		Labor	
SBS Flat Edge Flashing			Linear	Dark Blue
Cap Flashing	24" x 50' Roll		Material	
Base Flashing	24" x 50' Roll		Material	
4" Metal Roof Edge	8' Lengths		Material	
4" Joint Cover	8' O.C. Spacing		Material	
Fasteners	12" O.C. Spacing, 1 Row(s), 5000 per Box		Material	
Labor	Priced per FT		Labor	
SBS Drain			Count	Olive Green
Strainer			Material	
Clamp Ring			Material	
Deck Ring			Material	
Lead Flashing	3' x 3' Sheet(s)		Material	
Flashing Cement	100 SQ FT/GAL		Material	
Labor	Priced Each		Labor	
Basic Takeoff			Folder	Black
SBS System			Area	Green
SBS Flashing			Linear	Red
SBS Wall Flashing			Linear	Cyan
SBS Drains			Count	Magenta
SBS Pipe Boots			Count	Blue
SBS Extrusions			Count	Yellow



## Commercial Roof Assemblies – Continued

Name	Description	Division	Type	Color
APP Multi-Ply Roofing	Atactic Polypropylene		Folder	Black
Assemblies			Folder	Black
APP Three-Ply			Area	Green
Cap Sheet	95.8 SQ FT/Roll		Material	
Intern. Sheet	145 SQ FT/Roll		Material	
Base Sheet	145 SQ FT/Roll		Material	
Type III Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
Cover Board	4' x 8' Sheets		Material	
Insulation Mech. Fastened	4' x 4' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Labor	Priced per SQ FT		Labor	
APP Two-Ply			Area	Red
Cap Sheet	95.8 SQ FT/Roll		Material	
Base Sheet	145 SQ FT/Roll		Material	
Type III Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
Cover Board	4' x 8' Sheets		Material	
Insulation Mech. Fastened	4' x 4' Sheets		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Labor	Priced per SQ FT		Labor	
APP Fascia Edge Flashing			Linear	Teal
12" Flashing Membrane	12" X 50' Roll		Material	
Tapered Edge Strip	10' Lengths		Material	
Metal Fascia	12' Lengths		Material	
Metal Water Dam	12' Lengths		Material	
1" Roof Nails	1 Row(s) at 6" O.C. Spacing, 5000 per Box		Material	
Labor	Priced per FT		Labor	
APP Parapet Wall			Linear	Purple
Base Flashing	3' x 50' Roll Size, 1 Layer(s)		Material	
Cap Flashing	3' x 50' Roll Size, 1 Layer(s)		Material	
Cant Strip	10' Lengths		Material	
Fasteners	12" O.C. Spacing, 1 Row(s), 5000 per Box		Material	
Flashing Cement	20 SQ FT/GAL		Material	
Asphalt Primer	100 SQ FT/GAL, 1 Coat(s)		Material	
Labor	Priced per SQ FT		Labor	
APP Flat Edge Flashing			Linear	Blue
Cap Flashing	24" x 50' Roll		Material	
Base Flashing	24" x 50' Roll		Material	
4" Metal Roof Edge	8' Lengths		Material	
4" Joint Cover	8' O.C. Spacing		Material	
Fasteners	12" O.C. Spacing, 1 Row(s), 5000 per Box		Material	
Labor	Priced per FT		Labor	
APP Drain			Count	Olive
Strainer			Material	
Clamp Ring			Material	
Deck Ring			Material	
Lead Flashing	3' x 3' Sheet(s)		Material	
Flashing Cement	100 SQ FT/GAL		Material	
Labor	Priced Each		Labor	
Basic Takeoff			Folder	Black
APP System			Area	Green
APP Flashing			Linear	Red
APP Wall Flashing			Linear	Cyan
APP Drains			Count	Magenta
APP Pipe Boots			Count	Blue
APP Extrusions			Count	Yellow

# Commercial Roof Parts

Name	Description	Division	Type	Color
Area Takeoff Parts (Insulation, Membranes..)			Folder	
Adhesives, Primers, Coatings, Asphalt			Folder	
Asphalt Emulsion Coating	4.75 Gal. Container, Covers 142.5 SQ FT		Material	
Asphalt Primer	4.75 Gal. Container, Covers 356.25 SQ FT		Material	
Bestle Utility Cement	4.75 Gal. Container, Covers 59.375 SQ FT		Material	
BUR Adhesive	55 Gal. Container, Covers 3300 SQ FT		Material	
EPDM Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT		Material	
Fibrated Aluminum Roof Coating	4.75 Gal. Container, Covers 475 SQ FT		Material	
LVOC Membrane Adh. (TPO,EPDM)	5 Gal. Container, Covers 375 SQ FT		Material	
PVC LVOC Membrane Adh.	5 Gal. Container, Covers 375 SQ FT		Material	
PVC Water Based Membrane Adh.	5 Gal. Container, Covers 550 SQ FT		Material	
TPO Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT		Material	
Two-Part Urethane Adhesive 4 Cart. Case	4 Cartridge Case, Covers 500 SQ FT		Material	
Two-Part Urethane Adhesive 5 Gal Box	5 Gal. Container, Covers 1500 SQ FT		Material	
Type I Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
Type II Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
Type III Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
Type IIII Asphalt	Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons		Material	
Multi Ply Membranes			Folder	
APP Base	3' x 48' Roll		Material	
Appex 4.5M	3' x 32' Roll		Material	
DynaBase	3' x 48' Roll		Material	
BICOR	3' x 32' Roll		Material	
Rubroid Granule Membrane	3' x 32' Roll		Material	
GlasBase Sheet	3' x 106' Roll		Material	
GlasKap Sheet	3' x 36' Roll		Material	
GlasPly Sheet	3' x 177' Roll		Material	
PermaPly	3' x 100' Roll		Material	
SPS Base	3' x 48' Roll		Material	
Perforated Vented Base Sheet	3' x 100' Roll		Material	
TRICOR	3' x 33' Roll		Material	
Vensulation Felt	3' x 36' Roll		Material	
Single-Ply Membranes			Folder	
EPDM R 60 Mil MF	10' x 100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galcalume-Coated Steel, 1000 per Box		Material	
PVC 50 Mil MF	10' x 100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galcalume-Coated Steel, 1000 per Box		Material	
TPO 45 Mil MF	10' x 100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2" Plates	Galcalume-Coated Steel, 1000 per Box		Material	
TPO 45 Mil	10' x 100' Roll		Material	
TPO 60 Mil	10' x 100' Roll		Material	
TPO 45 Mil Fleece Backed	10' x 100' Roll		Material	
EPDM NR 60 Mil	10' x 100' Roll		Material	
PVC 60 Mil	10' x 100' Roll		Material	
EPDM R 60 Mil	10' x 100' Roll		Material	
Poly Mat Slipsheet	12' x 100' Roll		Material	
PVC Detail Membrane	3' x 50' Roll		Material	

## Commercial Roof Parts -- Continued

Name	Description	Division	Type	Color
Insulation and Cover Boards			Folder	█
Insulation MF	4' x 4' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Cover Board MF	4' x 8' Sheet(s)		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
Insulation Adhered	4' x 4' Sheet(s)		Material	
2-Part Urethane Adhesive	5 Gal. Container		Material	
DuraBoard	4' x 4' Sheet(s)		Material	
Enrgy 3	4' x 4' Sheet(s)		Material	
DuraFoam	4' x 8' Sheet(s)		Material	
Fesco Board	4' x 8' Sheet(s)		Material	
Invinsa Roof Board	4' x 8' Sheet(s)		Material	
Invinsa Foam	4' x 8' Sheet(s)		Material	
DensDeck	4' x 8' Sheet(s)		Material	
Cement Roof Board	4' x 8' Sheet(s)		Material	
2-1/4" Rigid Insulation	4' x 8' Sheet(s)		Material	
1-1/2" Gypcrete	4' x 8' Sheet(s)		Material	
Glass-Mat Roof Board	4' x 8' Sheet(s)		Material	
Gyp. Fiber Roof Board	4' x 8' Sheet(s)		Material	
Fasteners			Folder	█
Fasteners per SQ FT			Folder	█
Fasteners			Folder	█
1.25" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
1.25" Pre-Assm. w/ 3" Steel Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2.5" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2.5" Pre-Assm. w/ 3" Steel Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
3" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
3" Pre-Assm. w/ 3" Steel Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
4" Pre-Assm. w/ 3" Steel Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
5" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 500/Box		Material	
5" Pre-Assm. w/ 3" Steel Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
6" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 500/Box		Material	
7" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 500/Box		Material	
8" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 500/Box		Material	
6" Pre-Assm. w/ 3" Steel Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
7" Pre-Assm. w/ 3" Steel Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
8" Pre-Assm. w/ 3" Steel Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
1.25" Pre-Assm. w/ 3" Plastic Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2.5" Pre-Assm. w/ 3" Plastic Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
3" Pre-Assm. w/ 3" Plastic Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
4" Pre-Assm. w/ 3" Plastic Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
5" Pre-Assm. w/ 3" Plastic Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
6" Pre-Assm. w/ 3" Plastic Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
7" Pre-Assm. w/ 3" Plastic Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
8" Pre-Assm. w/ 3" Plastic Plates	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	



## Commercial Roof Parts -- Continued

Name	Description	Division	Type	Color
Plates			Folder	█
2" APB Plates	APB Plates, 500/Box		Material	
2" High Load Plates	High Load Plates, 500/Box		Material	
2" Plastic Plates	Plastic Plates, 500/Box		Material	
2" Metal Plates	Metal Plates, 500/Box		Material	
Fasteners per OC Spacing			Folder	█
Seams (drag and drop parts onto membrane parts)			Folder	█
Seam Tape	100' Roll		Material	
Fasteners			Folder	█
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
5" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
6" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
7" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
Plates			Folder	█
2" Metal Plates	Metal Plates, 1000/Box		Material	
2" Plastic Plates	Plastic Plates, 1000/Box		Material	
2" APB Plates	APB Plates, 1000/Box		Material	
2" High Load Plates	High Load Plates, 1000/Box		Material	
2" Extra High Load Plates	Extra High Load Plates, 1000/Box		Material	
Field (drag and drop parts onto takeoff item)			Folder	█
Fasteners			Folder	█
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
5" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
6" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
7" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
Plates			Folder	█
2" Metal Plates	Metal Plates, 1000/Box		Material	
2" Plastic Plates	Plastic Plates, 1000/Box		Material	
2" APB Plates	APB Plates, 1000/Box		Material	
2" High Load Plates	High Load Plates, 1000/Box		Material	
2" Extra High Load Plates	Extra High Load Plates, 1000/Box		Material	
Fasteners per Sheet (Insulation/Cover Boards)			Folder	█
Fasteners (drag and drop onto parts)			Folder	█
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
5" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
6" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
7" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
Plates (drag and drop onto parts)			Folder	█
2" Metal Plates	Metal, 1000/Box		Material	
2" Plastic Plates	Plastic, 1000/Box		Material	
2" APB Plates	APB, 1000/Box		Material	
2" High Load Plates	High Load, 1000/Box		Material	
2" Extra High Load Plates	Extra High Load, 1000/Box		Material	
Labor			Folder	█
Labor per SQ FT			Labor	
Labor Hours			Labor	

## Commercial Roof Parts -- Continued

Name	Description	Division	Type	Color
Linear Takeoff Parts (Tape, Flashing...)			Folder	██████
Adhesives and Primers			Folder	██████
Asphalt Emulsion Coating	4.75 Gal. Container, Covers 142.5 SQ FT		Material	
Asphalt Primer	4.75 Gal. Container, Covers 356.25 SQ FT		Material	
Bestile Utility Cement	4.75 Gal. Container, Covers 59.375 SQ FT		Material	
BUR Adhesive	55 Gal. Container, Covers 3300 SQ FT		Material	
Flashing Cement	4.75 Gal. Container, Covers 95 SQ FT		Material	
EPDM Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT		Material	
Fibrated Aluminum Roof Coating	4.75 Gal. Container, Covers 475 SQ FT		Material	
LVOC Membrane Adhesive	5 Gal. Container, Covers 375 SQ FT		Material	
PVC LVOC Membrane Adh.	5 Gal. Container, Covers 375 SQ FT		Material	
PVC Water Based Membrane Adh.	5 Gal. Container, Covers 550 SQ FT		Material	
TPO Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT		Material	
Two-Part Urethane Adhesive 4 Cart. Case	4 Cartridge Case, Covers 500 SQ FT		Material	
Two-Part Urethane Adhesive 5 Gal Box	5 Gal. Container, Covers 1500 SQ FT		Material	
Fasteners			Folder	██████
1.25" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
2.5" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
5" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 500/Pail		Material	
6" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 500/Pail		Material	
7" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 500/Pail		Material	
8" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 500/Pail		Material	
2" Metal Plates	2" Metal Plates, 1000/Pail		Material	
2" Plastic Plates	2" Plastic Plates, 1000/Pail		Material	
2" ADP Plates	2" ADP Plates, 1000/Pail		Material	
Flashing and Tape			Folder	██████
6" TPO Cover Tape	100' Roll		Material	
10" TPO Cover Tape	100' Roll		Material	
18" TPO Curb Flashing	50' Roll		Material	
10" TPO Peel and Stick RPS	100' Roll		Material	
6" TPO Peel and Stick RTS	100' Roll		Material	
36" PVC Detail Mem.	50' Roll		Material	
8" PVC Detail Strip	150' Roll		Material	
6" EPDM Sealing Strip	100' Roll		Material	
12" EPDM Sealing Strip	50' Roll		Material	
6" EPDM Flashing	100' Roll		Material	
12" EPDM Flashing	50' Roll		Material	
4" Metal Flashing	100' Roll		Material	
6" EPDM RTS	100' Roll		Material	
39" Poly Base Flashing	32' Roll		Material	
39" Poly Cap Flashing	26' Roll		Material	

## Commercial Roof Parts -- Continued

Name	Description	Division	Type	Color
Membranes			Folder	Black
Multi Ply Membranes			Folder	Black
APP Base	3' x 48' Roll		Material	
Appex 4.5M	3' x 32' Roll		Material	
DynaBase	3' x 48' Roll		Material	
BICOR	3' x 32' Roll		Material	
Ruberoid Granule Membrane	3' x 32' Roll		Material	
GlasBase Sheet	3' x 106' Roll		Material	
GlasKap Sheet	3' x 36' Roll		Material	
GlasPly Sheet	3' x 177' Roll		Material	
PermaPly	3' x 100' Roll		Material	
SPS Base	3' x 48' Roll		Material	
Perforated Vented Base Sheet	3' x 100' Roll		Material	
TRICOR	3' x 33' Roll		Material	
Vensulation Felt	3' x 36' Roll		Material	
Single-Ply Membranes			Folder	Black
EPDM R. 60 MI MF	10' x 100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000 per Box		Material	
PVC 50 Mil MF	10' x 100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000 per Box		Material	
TPO 45 Mil MF	10' x 100' Roll		Material	
4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
2" Plates	Galvalume-Coated Steel, 1000 per Box		Material	
TPO 45 Mil	10' x 100' Roll		Material	
TPO 45 Mil Fleece Backed	10' x 100' Roll		Material	
EPDM NR 60 Mil	10' x 100' Roll		Material	
PVC 60 Mil	10' x 100' Roll		Material	
EPDM R. 60 Mil	10' x 100' Roll		Material	
Poly Mat Slipsheet	12' x 100' Roll		Material	
PVC Detail Membrane	3' x 50' Roll		Material	
Labor			Folder	Black
Labor per FT			Labor	
Labor per SQ FT			Labor	
Labor Hours			Labor	
Count Takeoff Parts (Pipe Boots, Vents..)			Folder	Black
Material			Folder	Black
TPO Penetration Pocket			Material	
TPO Pipe Boot			Material	
TPO T-Joint Patch			Material	
PVC Pipe Boot			Material	
PVC T-Joint Patch			Material	
PVC Penetration Pan			Material	
One Way M-Vent			Material	
24 GA G.I. Flashing Sleeve			Material	
Lead Flashing	4' x 4' Sheets		Material	
1" Bond Breaker Tape	100' Roll		Material	
Labor			Folder	Black
Labor per EA			Labor	
Labor Hours			Labor	
Basic Material and Labor Parts			Folder	Black
Material			Material	
Labor			Labor	
Labor Hours			Labor	