Commercial Roofing Starter Pack User Guide

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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 <u>FAQ</u> section of this user manual) or contact the technical support department at:

PlanSwift[®] Technical Support <u>support@PlanSwift.com</u> 1-888-752-6794 ext. 2

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

PlanSwift[®] Training Department <u>training@PlanSwift.com</u>

1-888-752-6794 ext. 6

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 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 <u>Commercial Roof Assemblies</u> and <u>Commercial Roof Parts</u> found in the Templates tab of PlanSwift. These are listed in the <u>Compendium</u> 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).

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Material 2	Description 2	0	🛱 💭 Area Takeoff Item Example 1
Material 3	Description 3	0	Material 1
Material 4	Description 3	0	🎒 Material 2
Material 5	Description 1A	0	
Labor 1		0	- 🥥 Material 4
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Material 6	Description 1A	0	Jabor 1
Material 7	Description 1B	0	🖻 💭 Area Takeoff Item Example 2
Material 8	Description 1C	0	Material 6
Labor 2		0	Material 7
- 🗐 Area Takeoff Item Example 3		0	I Material 8
Material 10	Description 2A	0	Eabor 2

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.

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	- Material :	1		De	scription 1				0						
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	Area Takeoff	Item Exam	ple 2						13.2						
	- Material 6		-	-	scription 1A				0						

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).

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🖃 👘 Area Takeoff Item Example 1		0	🖻 🗀 Advanced Assemblies	
Material 1	Description 1	0	🖻 🧰 Area Assembly 1	
Material 2	Description 2	0	🛱 🖓 Area Takeoff Item Example 1	
Material 3	Description 3	0	Material 1	
Material 4	Description 3	0	Material 2	
Material 5	Description 1A	0	Material 3	
Labor 1		0	Material 4	
🖃 🛄 Area Takeoff Item Example 1 🍧		0	Material 5	
Material 1	Description 1	0	Eabor 1	_
Material 2	Description 2	0	Grand Control Con	
Material 4	Description 3	0	Material 6	
Material 5	Description 1A	0	Material 6	

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.

Home Page Tools View Estimating Lis	s Templates Se	ttings Reports Help Plugins Search Undo PlanSwift Professional 10.2 - play -	= X
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Name	Description	Price Each Color	
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Material 5 Labor 1 Carea Takeoff Item Example 1 Material 1	Description 1A	Description Material 3 Material 3 Material 4 Material 5 Exposure Panel Length Material 5 Materi	
Material 2 Material 2 Material 4 Material 5	Description 1 Description 2 Description 3 Description 1A	8 ▼ IN ▼ I2.3 ▼ FT ▼ H □ Area Takeoff Item Example 1 Purchased by the Souare ▼ H □ Area Takeoff Item Example 2 ■	-
Labor 1		Thickness Siding Style 042 Value Inv Clapboard Value	



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

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Material 4 Material 5	Description 3 Description 1A	0	Staterial 2 Material 3
Labor 1 Area Takeoff Item Example 1 - No Material 3	Description 1	0	Material 4
Material 1	Description 1	0	A constrained to the Manharia Co

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.

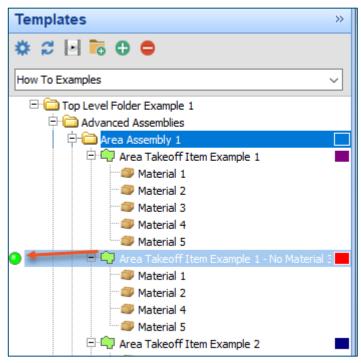


Figure 7

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.

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	Material 2	Description 2	0		🕀 🗐 Area Takeoff Item Example 1
	Material 3	Description 3	0		Material 1
	Material 4	Description 3	0		Material 2
	Material 5	Description 1A	0		
	Babor 1		0		Material 4
÷-	Area Takeoff Item Example 1 - No Material	3	0		Material 5
	Material 1	Description 1	0		Jabor 1
	Material 2	Description 2	0		🖻 🛄 Area Takeoff Item Example 1 - No Material 3
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e 🖕	Area Takeoff Item Example 2		13.2		Labor 1
	😅 Material 6	Description 1A	0		Area Takeoff Item Example 2
	Material 7	Description 1B	0		Material 6
	Material 8	Description 1C	0		Material 7

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 portion of the button pastes the part at the same hierarchical level of a selected item. Clicking on the bottom (down-arrow) part of the button, then selecting **As Sub-Item** pastes the part as a sub-item of the selected item.

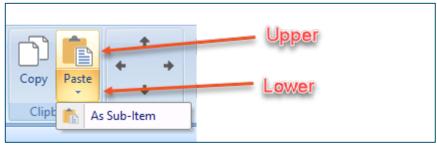


Figure 9

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

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🖃 🧰 Top Level Folder Exam	ole 1								
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Labor :									
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🖃 👘 🗛 Area Takeo	ff Item Exan	nple 1 - No Mate	rial 3						
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Figure 10

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

Home Page Tools View Estimating Lis	ts Templates Settings
	ew New New nt * Assembly * Part *
Sample Templates Sample Parts STypes	-
Name	Description
🖻 🫅 Area Assembly 1	
🖹 👘 Area Takeoff Item Example 1	
Material 1	Description 1
Material 2	Description 2
Material 3	Description 3
Material 4	Description 3
Material 5	Description 1A
Jabor 1	
Material 6	Description 1A
🖹 🚔 Area Takeoff Item Example 1 - No Material 3	

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 **Past 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.

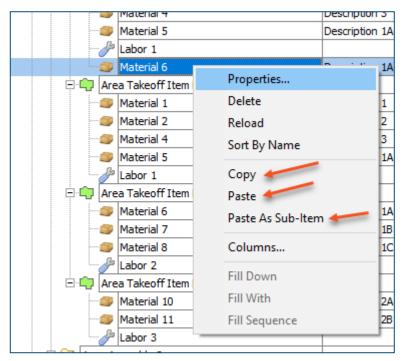


Figure 13

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**, doubleclick on the **Material 6** name, type the new name, and click on **Ok**.

Labor 1			0	
Material 6	Description 1A		0	
🖃 👘 Area Takeoff Item Example 1 - No Material 3				
- Material 1	Description 1	Properties - [Materi	al 6]	×
🎒 Material 2	Description 2	Name	Value	Units
🎒 Material 4	Description 3	Material 6		
🎒 Material 5	Description 1A	Waste %	0	%
Labor 1		Markup %	0.00	%
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🔤 Material 6	Description 1A	Description	Description 1A	
🎒 Material 7	Description 1B	Input Advanced	t Form	Ok Cancel
Material 8	Description 1C	Advanced	Form	Calicer
labor 2		1	0	

Figure 14

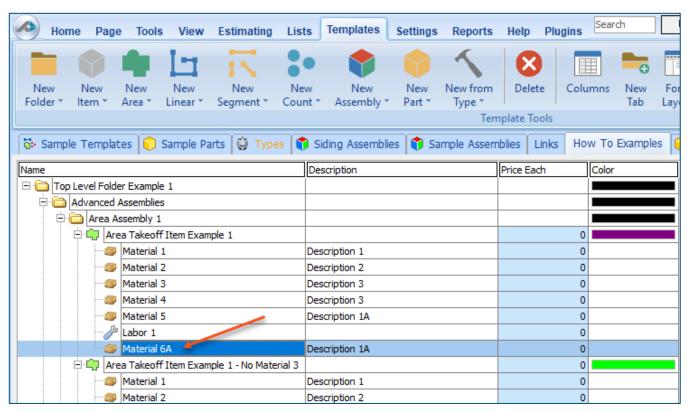


Figure 15 shows Material 6 renamed to Material 6A.

Figure 15

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: 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.

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Name	Description	Price Each Color
🖃 🧰 Top Level Folder Example 1		
Advanced Assemblies		
🛱 🫅 Area Assembly 1		
🖃 👘 Area Takeoff Item Example 1		0
Material 1	Description 1	0
Material 2	Description 2	0
Material 3	Description 3	0
Material 4	Description 3	0
Material 5	Description 1A	0
		0
Material 6A	Description 1A	0
Material 8	Description 1C	0
🖃 👘 Area Takeoff Item Example 1 - No Material 3		0
Material 1	Description 1	0
Material 2	Description 2	0
🎯 Material 4	Description 3	0
Material 5	Description 1A	0
Labor 1		0
🖃 🛄 Area Takeoff I em Example 2		13.2
Material 6	Description 1A	0
	Description 1B	0
Labor 2		0
🖃 👘 Area Takeoff Item Example 3		0
Material 10	Description 2A	0

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).

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Advanced Assemblies							How To Examples		~
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🖹 💭 Area Takeoff Item Example 1			0				🖹 🗀 Advanced		
Material 1	Description 1		0				🖻 🚞 Area A		
Material 2	Description 2		0					a Takeoff Item Example 1	
Material 3	Description 3		0					Material 1	
Material 4	Description 3		0					Material 2	
	Description 1A		0					Material 3	
Labor 1			0					Material 4	
- 🥔 Material 6A	Description 1A Properties	- [Material 7]			×			Material 5	
Material 8	Description 1C Name	Value	2	Units				Labor 1 Material 6A	
Material 7	Description 1B Material 7		_	1				Material 6A Material 8	
🖃 💭 Area Takeoff Item Example 1 - No-Material	3 Horizontal Ov	erlap 4.00		IN				Material 7	
Material 1	Description 1							a Takeoff Item Example 1	- No Material S
Material 2	Description 2			IN				Material 1	
Material 4	Description 3 Waste %	0		%				Material 2	
Material 5	Description 1A Cost Each	0.00		Ş				Material 4	
Labor 1	Markup %	0.00		9%				Material 5	
🖃 👘 Area Takeoff Item Example 2	Description	Desc	ription 1B				····· <i>}</i>	Labor 1	
Material 6	Description 1A				1			a Takeoff Item Example 2	
Material 7	Description 1B Input	Advanced Form		Ok	Cancel			Material 6	
P Labor 2								Material 7	
🖃 👘 Area Takeoff Item Example 3			0					Labor 2	_
Material 10	Description 2A		0				🖻 🛄 Are	a Takeoff Item Example 3	

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.

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 <u>one-on-one training</u> and <u>classroom training</u>. Contact <u>training@PlanSwift.com</u> or at 1-888-752-6794 Ext. 6.

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

lame		Description	Division	Type	Colo
TPO S	Single Ply Roofing	Thermoplastic Polyolefin	19 I	Folder	
🖹 😂 A	ssemblies			Folder	
0	TPO MF System	Mechanically Fastened		Area	
E	TPO Reinf. 45 Ml Mem.	10' x 100' Roll		Material	
	6" Seam Tape	100' Roll		Material	
	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
	2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
E	Insulation Mech. Fastened	4' x 4' Sheets		Material	
	4" Fasteners	#3 Philips 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	
	Jabor Labor	Priced per SQ FT		Labor	
0 9	TPO FA System	Fully Adhered		Area	
Ē	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	
E	Insulation Mech. Fastened	4' x 4' Sheets	1	Material	
	4" Fasteners	#3 Philips 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	1
	Jabor Labor	Priced per SQ FT		Labor	
8-0	TPO MF System w/ Cover Board	Mechanically Fastened		Area	
E	TPO Reinf. 45 Ml Mem.	10' x 100' Roll		Material	
	6" Seam Tape	100' Roll		Material	
	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
	2" Plates	Galvalume-Coated Steel, 12" O.C. Spacing, 1000 per Box		Material	
E	Cover Board	4' x 8' Sheets		Material	
	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
	2* Plates	Galvalume-Coated Steel, 1000/Box		Material	
E	Insulation Mech. Fastened	4' x 4' Sheets		Material	
	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	1
	2* Plates	Galvalume-Coated Steel, 1000/Box		Material	
	Vapor Barrier	3.75' x 134' Roll		Material	
	Jabor Labor	Priced per SQ FT		Labor	

lame			Description	Division	Type	Colo
	ф (т	PO FA System w/ Cover Board	Fully Adhered		Area	
	8	TPO Reinf, 45 MI 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 Philips 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	
	-8	labor	Priced per SQ FT		Labor	
	1-1	PO Wall Flashing			Linear	
	1	TPO 45 Mil	10' x 100' Roll		Material	
	-	TPO/EPDM LVOC Adhesive	LVOC, 5 Gal. Container		Material	
		Sloped Metal Coping	12' Lengths		Material	
	-0	Labor	Priced per SQ FT		Labor	
	1-1	PO 10" Flashing			Linear	
	H	10" TPO Flashing	100' Roll		Material	
	-1	Labor	Priced per FT		Labor	
	• 11	PO Pipe Boot			Count	
	1	TPO Pipe Boot			Material	
	-3	Labor	Priced Each		Labor	
B	• T	PO Turbine Vent			Count	
	1	Turbine Vent			Material	
	-0	P Labor	Priced Each		Labor	
8 😂	Basic	Takeoff			Folder	
H	φ π	PO System			Area	
-	IT T	PO Flashing			Linear	
-	1-1 1	PO Wall Flashing			Linear	
	• 11	PO Drains			Count	
-	· T	PO Pipe Boots			Count	
	· T	PO Extrusions			Count	

me		_		Description	Division	Type	Col
PV	C Sir	ngle	Ply Roofing	Polyvinyl Chloride		Folder	
80	Assemblies					Folder	
8	-	PW	C MF System	Mechanically Fastened		Area	
	8		PVC Reinf. 50 Mil Mem.	10' x 100' Roll		Material	
		H	4" Fasteners	#3 Phillips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
		١.,	2" Plates	Galvalume-Coated Steel, 12 O.C. Spacing, 1000 per Box	1	Material	
	8		Cover Board MF	4' x 8' Sheets		Material	
		÷	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
		1.	2" Plates	Galvalume-Coated Steel, 1000/Box		Material	
			Vapor Barrier	3.75' x 134' Roll		Material	
			Insulation Loose Laid	4 x 4 Sheets	1	Material	
		P	Labor	Priced per SQ FT		Labor	
e	-	PW	C FA System	Fully Adhered		Area	
			PVC Poly Fleece Backed 50 Mil Mem.	10' x 100' Roll	1	Material	
			PVC Low-VOC Adhesive	PVC Low-VOC, 5 Gal. Container, Covers 250 SQ FT		Material	
	ė		Insulation Adhered	4 x 4 Sheets	1	Material	
		1.	2-Part Urethane Adhesive	5 Gal. Container		Material	
			Vapor Barrier	3.75' x 134' Roll		Material	
		P	Labor	Priced per SQ FT		Labor	
B	1-1	PW	C Wall Flashing FA	Fully Adhered	1	Linear	
	ŀ		PVC 60 Mil	10' x 100' Rol	1	Material	1
			Sloped Metal Coping	12' Lengths		Material	
			PVC Water Based Membrane Adh.	5 Gal. Container, Covers 550 SQ FT		Material	
		P	Labor	Price per SQ FT		Labor	
B	17	PW	C Curb Flashing	Fully Adhered	-	Linear	
	-		PVC 60 Mil	10' x 100' Roll	1	Material	
			PVC Water Based Membrane Adh.	5 Gal. Container, Covers 550 SQ FT		Material	
		P	Labor	Priced per SQ FT		Labor	
Ē	:.	PW	C Pipe Boot			Count	
	1		PVC Pipe Boot			Material	
		P	Labor		1	Labor	
80	Bas	sic T	akeoff			Folder	
+	-	PW	C System			Area	
1	17	PW	C Flashing			Linear	
+	1-1	PW	C Wall Flashing			Linear	
	:.	PW	C Drains		1	Count	
1	:-	PW	C Pipe Boots			Count	
	-		CExtrusions			Count	

sme		Description	Division	Туре	Color
EPDM S	ingle Ply Roofing	Ethylene Propylene Diene Monomer		Folder	
🖯 🧰 Ass	emblies			Folder	
8-07	EPDM FA System	Fully Adhered		Area	
E-	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	
	Jabor Labor			Labor	
8 🤤	EPDM MF System	Mechanically Fastened		Area	
E.	EPDM Reinf. 60 Mil Mem.	10' x 100' Roll		Material	
	Seam Tape	100' Roll		Material	
	4" Fasteners	#3 Philips 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 Philips 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 Philips 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	-
	J# Labor			Labor	-
8 🖨	EPDM BA System	Ballasted		Area	
Ð	EPDM Non-Reinf, 60 Mil Mem.	10' x 100' Roll		Material	-
	Seam Tape	100' Roll		Material	
	Insulation Mech. Fastened	4 x 4 Sheets	-	Material	-
1000	4" Fasteners	#3 Philips 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' Rol	-	Material	+
	Jabor Jane	3/70 A 10 1 100	-	Labor	-
-I-I-	EPDM Curb Flashing			Linear	-
	EPDM NR 60 Mil	10' x 100' Rol		Material	-
	EPDM Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT		Material	-
	Labor		-	Labor	-
(m. 1-+	EPDM Wall Flashing FA			Linear	-
-11	EPDM NR 60 Mil	10' x 100' Roll		Material	-
	EPDM Water Based Membrane Adh.	5 Gal. Container, Covers 750 SQ FT	-	Material	-
	Labor	a sal container, covers 750 BQ FT		Labor	-
	EPDM Pipe Boot		-	Count	-
·	the second se		-	Material	-
	EPDM Pipe Boot		-	and some distances in the	+
R. Color	Labor		-	Labor	-
🗄 🞑 Bas			-	Folder	-
	EPDM System			Area	_
	EPDM Flashing		-	Linear	
	EPDM Wall Flashing		-	Linear	
	EPDM Drains		-	Count	
1.1.1	EPDM Pipe Boots			Count	

sme			Description	Division	Type	Colo
C 8.	JR Mult	-Ply Roofing	Built Up Roofing		Folder	
0	Asser	nblies			Folder	
Ē	B	UR Three-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 Philips 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 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
		2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	
	ė	Cover Board MF	4 x 8' Sheet(s)		Material	1
		4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	-
		2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	-
	-3	Labor	Priced per SQ FT	-	Labor	
Ē	- 👘 B	UR Four-Ply	All topological states of the		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 Philips 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 Philips 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 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	+
		2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	+
	-	Labor	Priced per SQ FT	-	Labor	+
i i		UR Five-Ply		-	Area	
	1.0	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 Sg Ft, 100 lb Cartons		Material	+
		4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	+
		2" Metal Plates	Metal Plates, 1000/Box		Material	+
	-	Insulation MF	f x f Sheet(s)		Material	+
	T	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	-
	1	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	-
		2" Plates				+
		Labor	Galvalume-Coated Steel, 1000/Pail Priced per SQ FT	-	Material Labor	+

ame			Description	Division	Туре	Colo
	P 😜 🗄	UR 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 Philips 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 Philips 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 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	-
		2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	-
		Jabor Labor	Priced per SQ FT		Labor	
	B-1-1 B	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 Nals	1 Row(s) at 6" O.C. Spacing, 5000 per Box		Material	-
		Labor	Priced per FT		Labor	-
	-1-1 F	BUR Parapet Wall		-	Linear	
	146	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			Material	-
		and the second se	20 SQ FT/GAL	-		-
		Asphalt Primer	100 SQ FT/GAL, 1 Coat(s)	-	Material	+
		Labor	Priced per SQ FT		Labor	_
	1116	SUR 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	
	-0	Labor	Priced Each		Labor	
	🚞 Basic	: Takeoff			Folder	
	- C B	BUR System			Area	
	17 8	BUR Flashing			Linear	
	1-1 8	SUR. Wall Flashing			Linear	
	:• E	UR Drains			Count	
		UR Pipe Boots			Count	

ne			Description	Division	Туре	Colo
i have	Comprised in the Owner of Street, or other	Ply Roofing	Styrene Butadiene Styrene		Folder	
0	Assem	blies			Folder	
8	SE SE	IS Two-Ply CA	Cold Applied		Area	
		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	
	1.1	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
	11	2" Plates	Galvalume-Coated Steel, 1000/Box(s)		Material	-
	1	Labor	Priced per SO FT		Labor	-
Ė	SE SE	IS Three-Ply CA	Cold Applied		Area	
	-	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	+
	TI	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail(s)		Material	+
		2" Plates	Galvalume-Coated Steel, 1000/Pail		Material	+-
						+-
	1.	Labor	Priced per SQ FT		Labor	-
1	L- SE	IS 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	1" Roof Nails	1 Row(s) at 6" O.C. Spacing, 5000 per Box		Material	_
	1	Labor	Priced per FT		Labor	
Ē	IT SE	S 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	
		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	
	-0	Labor	Priced per SQ FT	-	Labor	
E	IT SE	IS 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	1
E	SE		Obvious .		Count	
	-	Strainer			Material	
	-0				Material	-
		Deck Ring			Material	-
		Lead Flashing	3' x 3' Sheet(s)		Material	+
		Flashing Cement			Material	+
			100 SQ FT/GAL			+
		and an	Priced Each	-	Labor	-
	Basic				Folder	
		3S System			Area	
i i		IS Flashing			Linear	
1	_	35 Wall Flashing			Linear	
1		35 Drains			Count	
	Inc.	IS Pipe Boots			Count	

me		Description	Division	Туре	Cok
APP Mul	ti-Ply Roofing	Atactic Polypropylene		Folder	
E C Asse	emblies			Folder	
B-00	APP Three-Ply			Area	
	Cap Sheet	95.8 SQ FT/Roll		Material	
	Interm. 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 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
	2" Plates	Galvalume-Coated Steel, 1000/Box		Material	-
	Jul Labor	Priced per SQ FT		Labor	-
	APP Two-Ply		-	Area	
	Cap Sheet	95.8 SQ FT/Roll	-	Material	-
	Base Sheet	145 SQ FT/Roll	-	Material	+-
		Coverage: 25 lbs/100 Sq Ft, 100 lb Cartons	-	Material	+-
	Type III Asphalt		-		-
	Cover Board	4 x 8' Sheets	-	Material	-
8	Insulation Mech. Fastened	4' x 4' Sheets	-	Material	-
	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box	-	Material	-
	2* Plates	Galvalume-Coated Steel, 1000/Box		Material	
1	Labor	Priced per SQ FT		Labor	_
PIT	APP 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
	1" Roof Nails	1 Row(s) at 6" O.C. Spacing, 5000 per Box		Material	-
	Jabor Labor	Priced per FT		Labor	
-I-T	APP 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	+-
the Incl	And the second	Priceu per sq FT		Linear	-
0111	APP Flat Edge Flashing		-		-
	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	
-1	Strainer			Material	
-1	Clamp Ring			Material	
-1	Seck Ring			Material	
	Lead Flashing	3' x 3' Sheet(s)		Material	
-	Flashing Cement	100 SQ FT/GAL		Material	
	Jabor Labor	Priced Each		Labor	-
E C Basi				Folder	
the second se	APP System			Area	
	APP Flashing		-	Linear	
	APP Wall Flashing		-	Linear	
			-		
	APP Drains		-	Count	-
	APP Pipe Boots			Count	

Commercial Roof Parts

e		Description	Division	Туре	Col
Contract of the local division of the local	akeoff Parts (Insulation, Membranes)			Folder	
E CAd	hesives, 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	
-	EPOM 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	
E 🔂 Mu	ilti Piy 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	
	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' Roli		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	-
🗄 🗀 Sin	igle-Ply Membranes			Folder	
	EPDM R 60 MI MF	10' x 100' Roll		Material	
	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
	2" Plates	Galcalume-Coated Steel, 1000 per Box		Material	
8-	PVC 50 Mil MF	10' x 100' Roll		Material	
	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
	2" Plates	Galcalume-Coated Steel, 1000 per Box		Material	
b -	TPO 45 MÍ MF	10' x 100' Roll		Material	
	4" Fasteners	#3 Philips 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	
-0	TPO 45 Mil Fleece Backed	10' x 100' Roll		Material	
	EPDM NR 60 Mil	10' x 100' Roll		Material	
-0	PVC 60 Mil	10' x 100' Roll		Material	1
	EPDM R 60 Mil	10' x 100' Roll		Material	
-00	Poly Mat Sipsheet	12' x 100' Roll		Material	-
	PVC Detail Membrane	3' x 50' Roll		Material	-

me			Description	Division	Type	Colo
00	Insulation	and Cover Boards		1.00	Folder	
e	Insulat	ion MF	4 x 4 Sheet(s)		Material	
	4*	Fasteners	#3 Philips 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 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
	2*	Plates	Galvalume-Coated Steel, 1000/Box		Material	
9	Insulat	ion Adhered	4' x 4' Sheet(s)		Material	
	2-	Part Urethane Adhesive	5 Gal. Container		Material	
-	DuraBo	pard	4' x 4' Sheet(s)		Material	
-	Enrgy	3	4' x 4' Sheet(s)		Material	
	DuraFo	am	4' x 8' Sheet(s)		Material	
-	Fescol	Board	4' x 8' Sheet(s)		Material	1
	Invinsa	Roof Board	4' x 8' Sheet(s)		Material	
-	Invinsa	Foam	4' x 8' Sheet(s)		Material	
-	DensD	edk	4 x 8' Sheet(s)		Material	
	Cemen	t Roof Board	4' x 8' Sheet(s)		Material	
-	2-1/4"	Rigid Insulation	4' x 8' Sheet(s)		Material	1
	1-1/2"	Gypcrete	4 x 8' Sheet(s)		Material	+
-		Nat Roof Board	4' x 8' Sheet(s)		Material	+
		ber Roof Board	4 x 8' Sheet(s)		Material	+
BO	Fasteners				Folder	
	and the second se	ers per SQ FT			Folder	
	E Fa	a Management of the second		-	Folder	
		1.25" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
	_	1.25° Pre-Assm. w/ 3° Steel Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	+
		2.5" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	+
		2.5" Pre-Assm. w/ 3" Steel Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	+
		3" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	+
		3" Pre-Assm. w/ 3" Steel Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	+
		4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	+
		4" Pre-Assm. w/ 3" Steel Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	+
		5" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 500/box		Material	+
		5° Pre-Assm. w/ 3° Steel Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	+
		6" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 500/Box		Material	+
		7° Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 500/Box		Material	+
		8* Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 500/Box		Material	+
		6" Pre-Assm. w/ 3" Steel Plates	#3 Philips Head, Case Hardened Steel, 14 ga, 1000/Box #3 Philips Head, Case Hardened Steel, 14 ga, 1000/Box		Material	-
		7° Pre-Assm. w/ 3° Steel Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box #3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
		8" Pre-Assm. w/ 3" Steel Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/80x		Material	-
		1.25° Pre-Assm. w/ 3° Plastic Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box #3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
	E					-
		2.5" Pre-Assm. w/ 3" Plastic Plates	#3 Philips Head, Case Hardened Steel, 14 ga, 1000/Box		Material	-
		3" Pre-Assm. w/ 3" Plastic Plates	#3 Philips Head, Case Hardened Steel, 14 ga, 1000/Box	-	Material	-
	1	4" Pre-Assm. w/ 3" Plastic Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
			#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
		and the second se	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
	and the second se	7" Pre-Assm. w/ 3" Plastic Plates	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	1

ame			Description	Division	Туре	Color
	🖻 🧰 P	lates			Folder	
	14	2* APB Plates	APB Plates, 500/Box		Material	
	-	2" High Load Plates	High Load Plates, 500/Box		Material	1
	1.0	2" Plastic Plates	Plastic Plates, 500/Box		Material	-
		2" Metal Plates	Metal Plates, 500/Box		Material	1
5	- Faste	eners per OC Spacing			Folder	
	and the second se	eams (drag and drop parts onto membrane parts)			Folder	
	T	Seam Tape	100' Roll	10	Material	1
	IFI C	Fasteners			Folder	
		4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
		5" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
		6" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
		7" Fasteners	#3 Philips Head, Case Hardened Steel, 14 ga, 1000/Box		Material	-
	0.0	Plates	= 5 Philips Read, Case Hardened Steel, 14 ga, 1000/00X		Folder	-
		Annual and a second sec	Natal Plates, 1000 Rev.			-
		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	
		ield (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 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box	1	Material	
		6" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
		7" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
	00	Plates			Folder	
		2" Metal Plates	Metal Plates, 1000/Box		Material	
		2" Plastic Plates	Plastic Plates, 1000/Box		Material	1
		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	
Ē	- Faste	eners per Sheet (Insulation/Cover Boards)		-	Folder	
	and the second se	asteners (drag and drop onto parts)			Folder	
		4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
	-	5" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
		6" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
		7" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	-
	BOR	lates (drag and drop onto parts)			Folder	
		2" Metal Plates	Metal, 1000/Box		Material	1
		2" Plastic Plates	Plastic, 1000/Box	-	Material	-
		2" APB Plates	APB, 1000/Box		Material	-
				-	Material	-
		2" High Load Plates	High Load, 1000/Box			-
-	-	2" Extra High Load Plates	Extra High Load, 1000/Box		Material	-
	Labor			-	Folder	-
	Jabo	r per SQ FT r Hours		-	Labor	-

me		Description	Division	Type	Colo
C Line	ar Takeoff Parts (Tape, Flashing)			Folder	
80	Adhesives and Primers			Folder	
1	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	
1	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	
80	Fasteners			Folder	
1-1-	1.25" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
-	2.5" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	
	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Pail		Material	1
-	5" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 500/Pail		Material	
-	6" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 500/Pail		Material	
-	7" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 500/Pail		Material	
-	8" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 500/Pail		Material	
-	2" Metal Plates	2" Metal Plates, 1000/Pail		Material	1
1	2" Plastic Plates	2" Plastic Plates, 1000/Pail		Material	
1	2" ADP Plates	2" ADP Plates, 1000/Pail		Material	
00	Flashing and Tape			Folder	
1-	6" TPO Cover Tape	100' Roll		Material	
-	10" TPO Cover Tape	100' Roll		Material	1
1	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	1	Material	1
1	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	1
1	6" EPDM RTS	100' Roll		Material	
	39" Poly Base Flashing	32' Roll		Material	1
	39" Poly Cap Flashing	26' Roll		Material	-

me		Description	Division	Type	Colo
E 🙆 Mem	branes			Folder	
the second se	Multi Ply Membranes			Folder	
E F	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			+
	Perforated Vented Base Sheet	3' x 100' Roll		Material	-
1	TRICOR	3' x 33' Roll	_	Material	_
-	Vensulation Felt	3' x 36' Roll		Material	1
00	Single-Ply Membranes		-	Folder	-
8	EPDM R 60 MI MF	10' x 100' Roll		Material	-
	4" Fasteners	#3 Philips Head, Case-Hardened Steel, 14 ga, 1000/Box		Material	
	2" Plates	Galvalume-Coated Steel, 1000 per Box		Material	
8	PVC 50 Mil MF	10' x 100' Roll		Material	
	4" Fasteners	#3 Philips 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 Philips 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 MI	10' x 100' Roll	-	Material	+
	and the second se	12' x 100' Roll		Material	+
	Poly Mat Slipsheet				+
- Cale	PVC Detail Membrane	3' x 50' Roll		Material	-
E Cabo			-	Folder	-
	Labor per FT			Labor	-
	Labor per SQ FT			Labor	-
	Labor Hours			Labor	-
the second se	akeoff Parts (Pipe Boots, Vents)		-	Folder	
E 🙆 Mate	erial			Folder	
	TPO Penetration Pocket			Material	-
1 100	TPO Pipe Boot			Material	
	TPO T-Joint Patch			Material	1
- 1	PVC Pipe Boot			Material	
	PVC T-Joint Patch			Material	
- 1	PVC Penetration Pan			Material	
- 3	One Way M-Vent			Material	
	24 GA G.I. Flashing Sleeve		6	Material	
	Lead Flashing	4' x 4' Sheets		Material	-
	1" Bond Breaker Tape	100' Roll		Material	+
E- Labo				Folder	
	Labor per EA		-	Labor	-
	Labor Hours		-	and the second second	+
-				Labor	-
	eterial and Labor Parts		-	Folder	-
- Mate			-	Material	-
- dh Labo	or			Labor	
B I aho	or Hours		1	Labor	