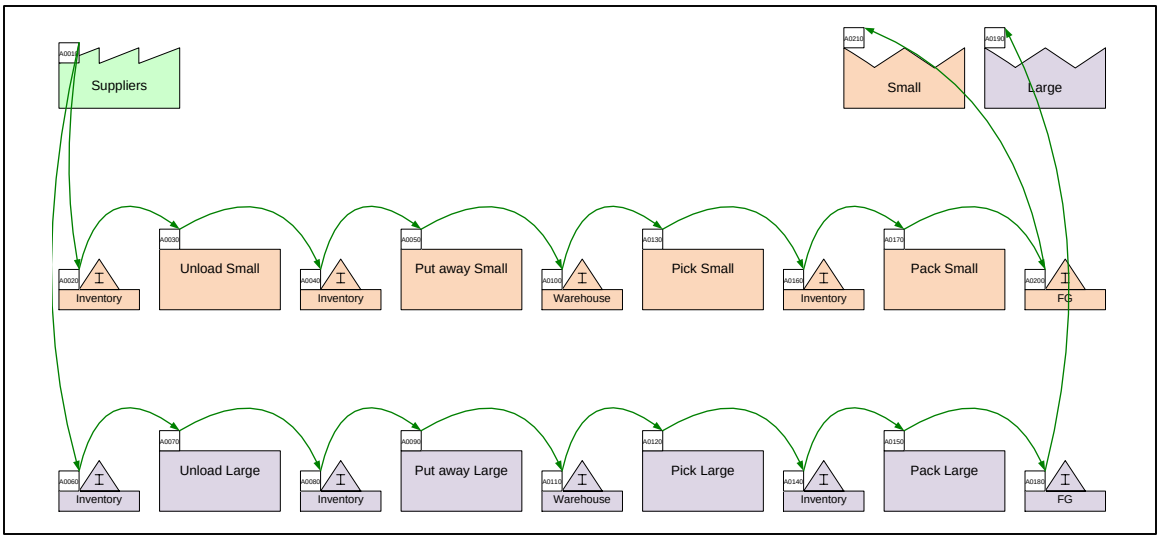
Quick Warehousing Tutorial

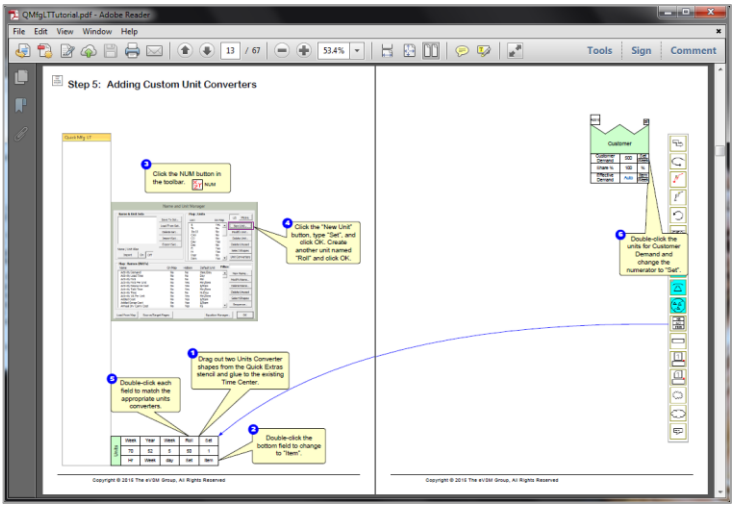
This tutorial will guide you through the steps to draw a simple map, perform common calculations, and plot charts using the Quick Warehousing stencil.



Viewing/printing eVSM Tutorial:

This tutorial is designed for two page layout. If printing, you will need double-sided print.

For on-screen viewing, save the PDF file to your PC and then open it in Acrobat Reader (not in a web browser). In the Acrobat menus, click “View>Page Display", make sure “Show Cover Page in Two Page View” is checked and then select "Two Page View”.



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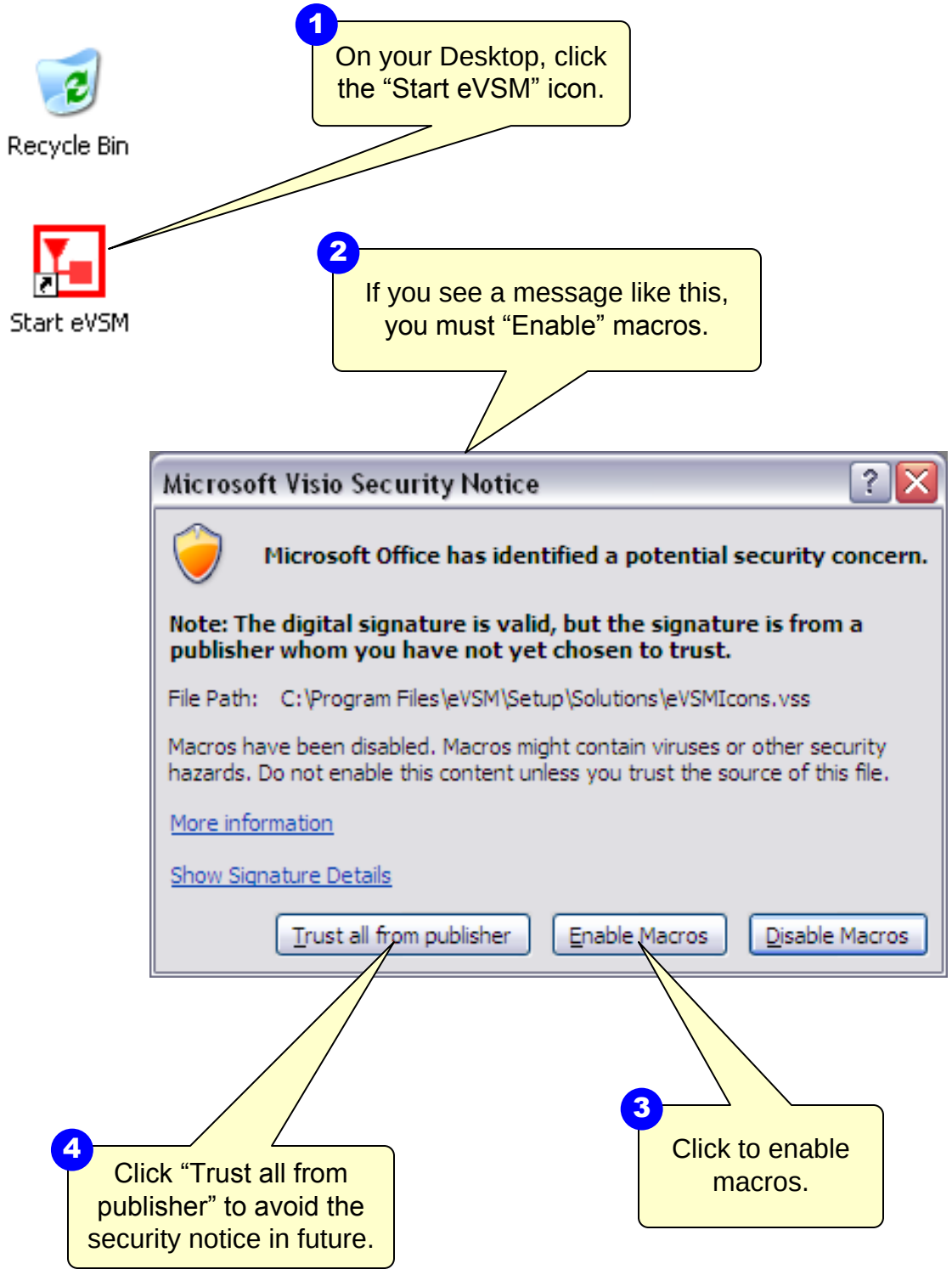
Step 1: Start eVSM



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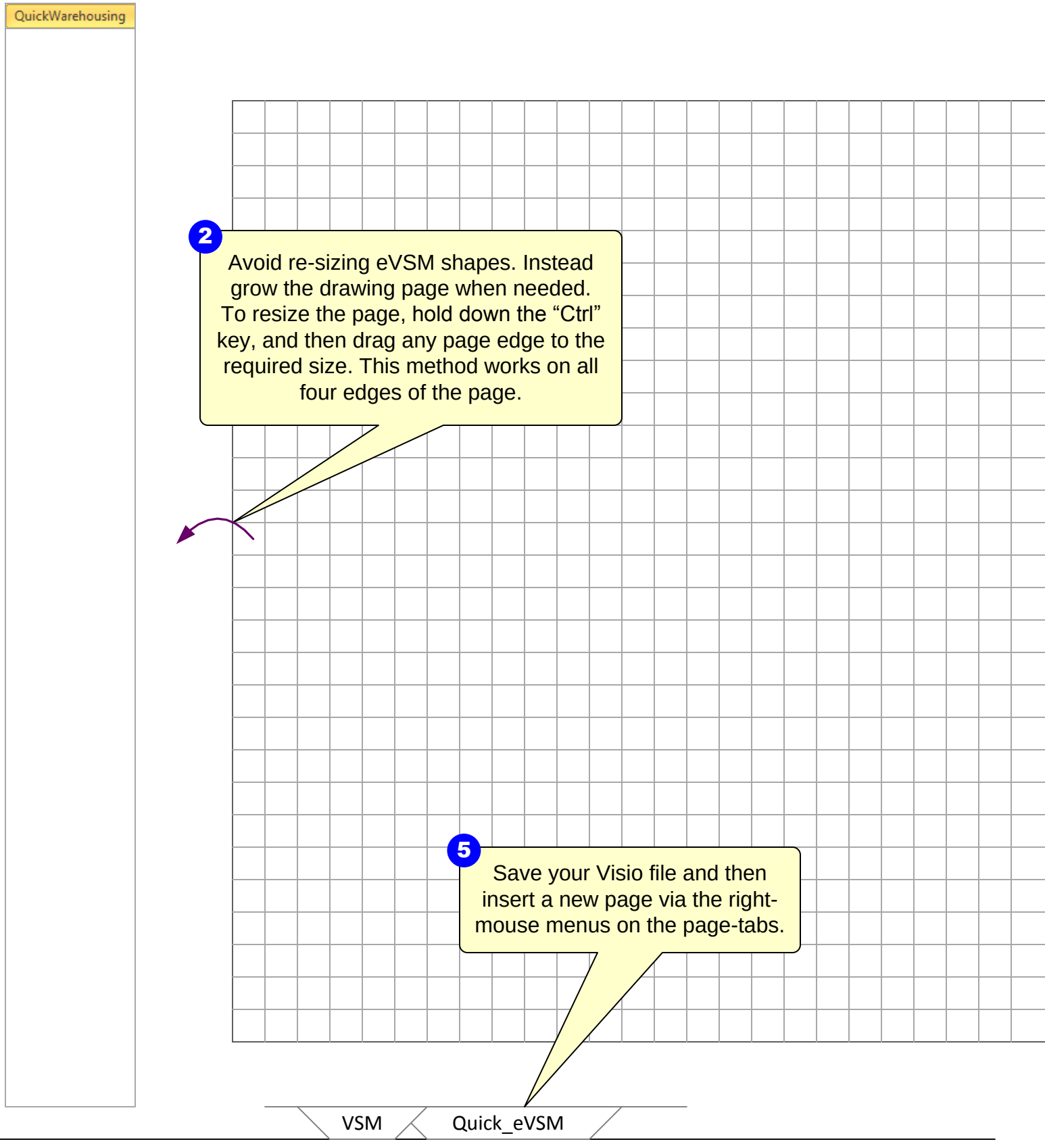
Step 2: Learn eVSM Basics



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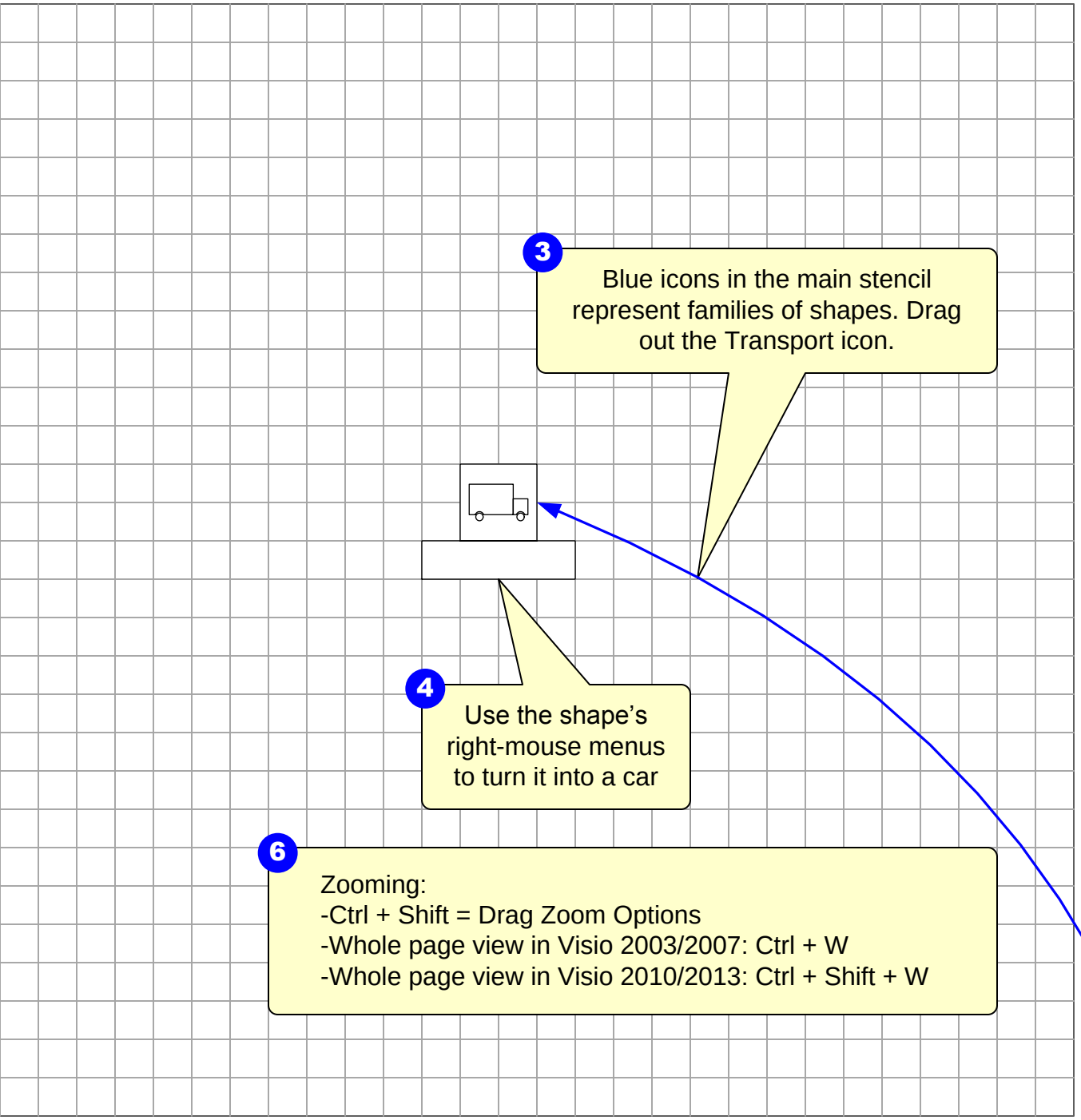
1 eVSM Help resources are available in the Learn module of the toolbar. Hover over each help button to learn what it does.



3 Blue icons in the main stencil represent families of shapes. Drag out the Transport icon.

4 Use the shape's right-mouse menus to turn it into a car

6 Zooming:
-Ctrl + Shift = Drag Zoom Options
-Whole page view in Visio 2003/2007: Ctrl + W
-Whole page view in Visio 2010/2013: Ctrl + Shift + W

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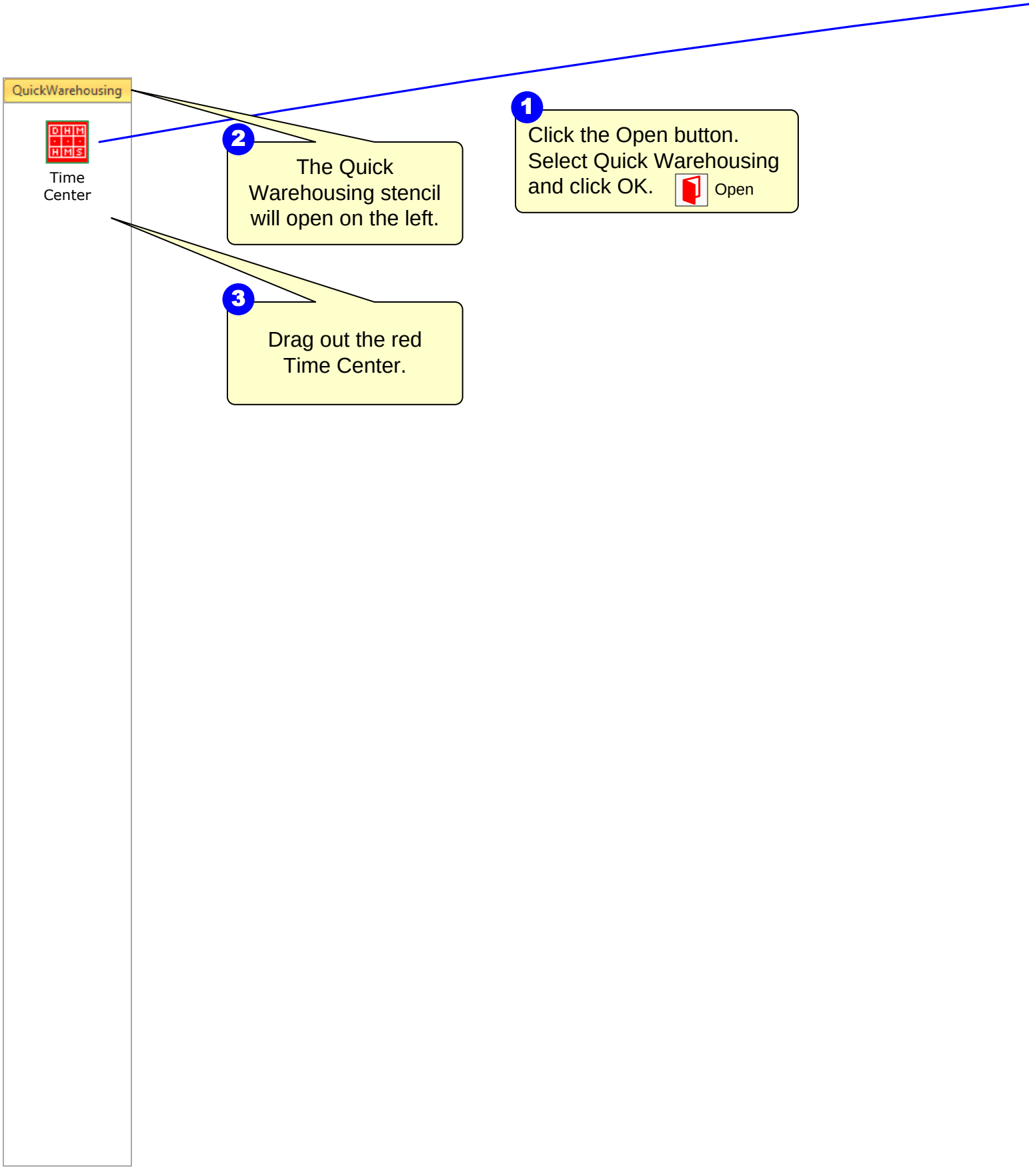
Step 3: Initiate the map for Quick Warehousing



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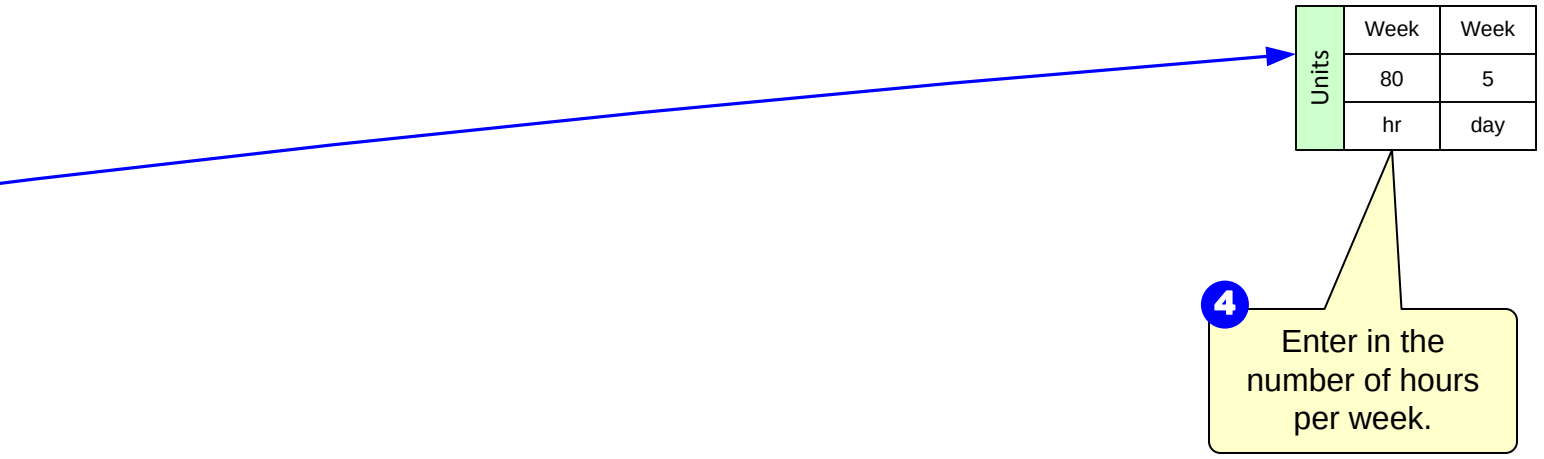

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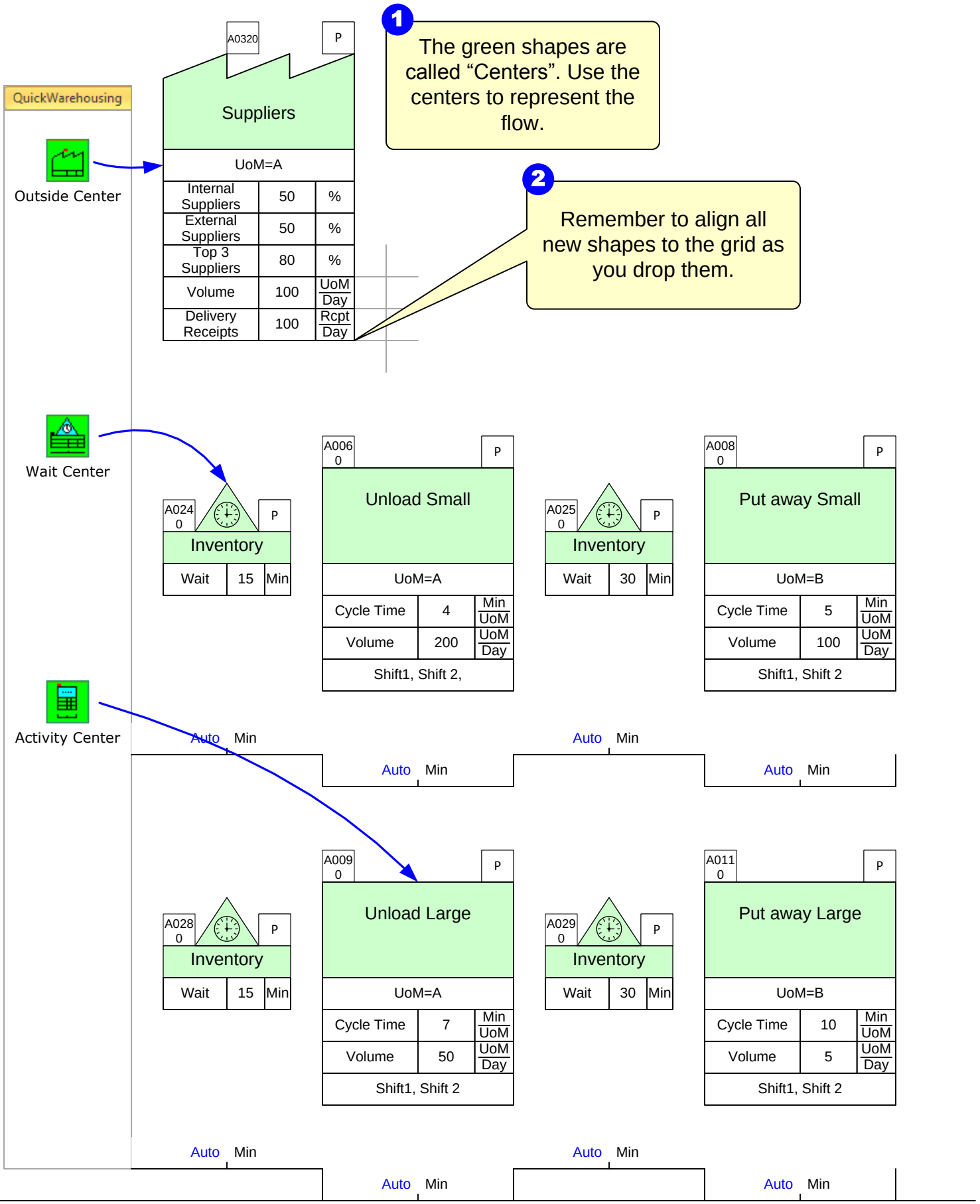
Step 4: Draw the flow



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Units	Week	Week
	80	5
	hr	day

3 Complete as shown below, including annotation, data values, units, and shifts. UoM= Unit of Measure

A0220 P

Large

UoM=E		
Volume	25	UoM / Day
Delivery Receipts	5	Rcpt / Day

A0230 P

Small

UoM=E		
Volume	100	UoM / Day
Delivery Receipts	50	Rcpt / Day

A0120 P

Warehouse

Wait	60	Min

A0150 P

Pick Small

UoM=C		
Cycle Time	15	Min / UoM
Volume	100	UoM / Day
Shift1, Shift 2		

A0260 P

Inventory

Wait	15	Min

A0190 P

Pack Small

UoM=D		
Cycle Time	20	Min / UoM
Volume	100	UoM / Day
Shift1, Shift 2		

A0270 P

FG

Wait	15	Min

Auto Min — Auto Min — Auto Min — Auto Min — Auto Min

A0130 P

Warehouse

Wait	60	Min

A0140 P

Pick Large

UoM=C		
Cycle Time	20	Min / UoM
Volume	5	UoM / Day
Shift1, Shift 2		

A0300 P

Inventory

Wait	15	Min

A0180 P

Pack Large

UoM=D		
Cycle Time	25	Min / UoM
Volume	5	UoM / Day
Shift1, Shift 2		

A0310 P

FG

Wait	15	Min

Auto Min — Auto Min — Auto Min — Auto Min — Auto Min

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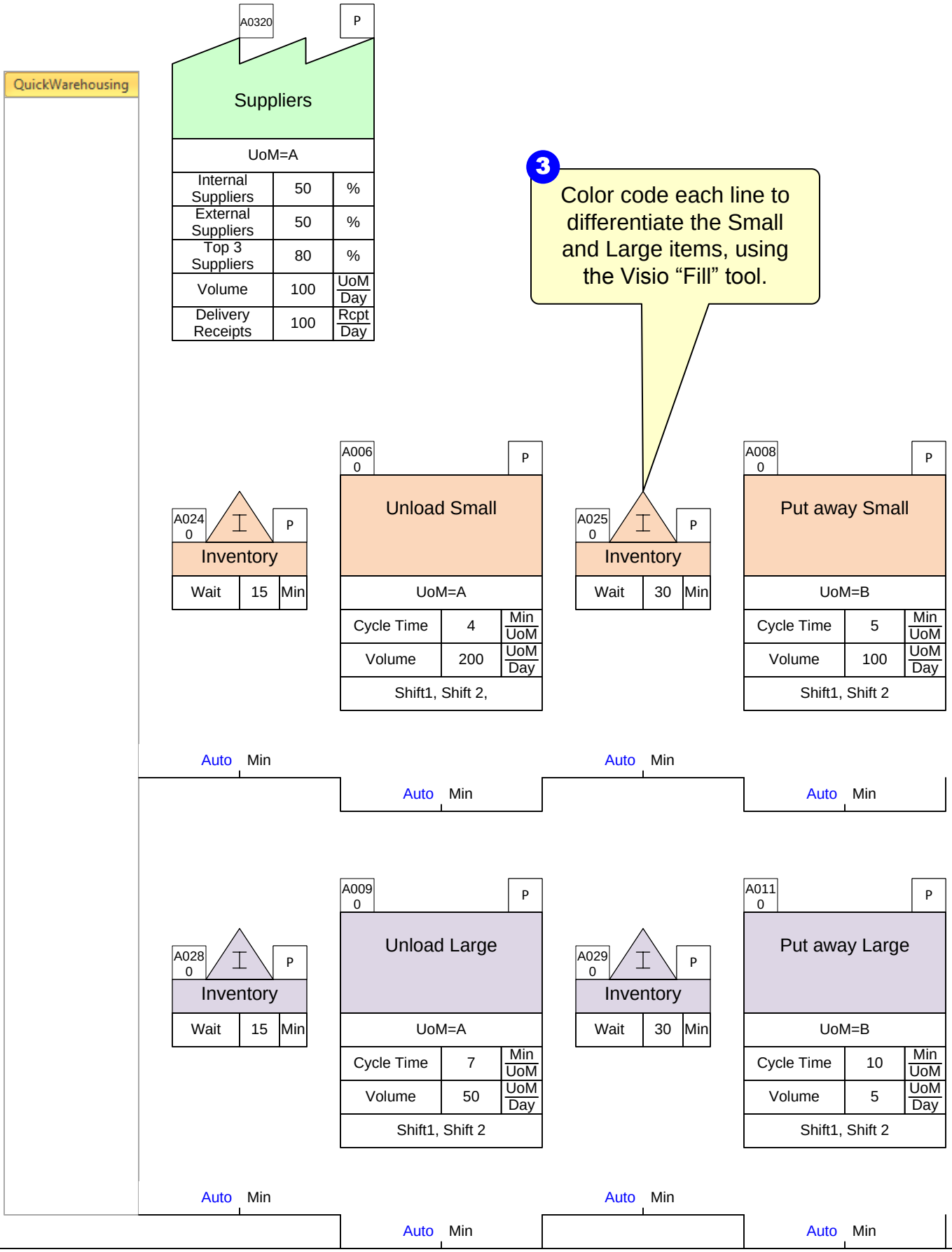
Step 5: Draw the flow



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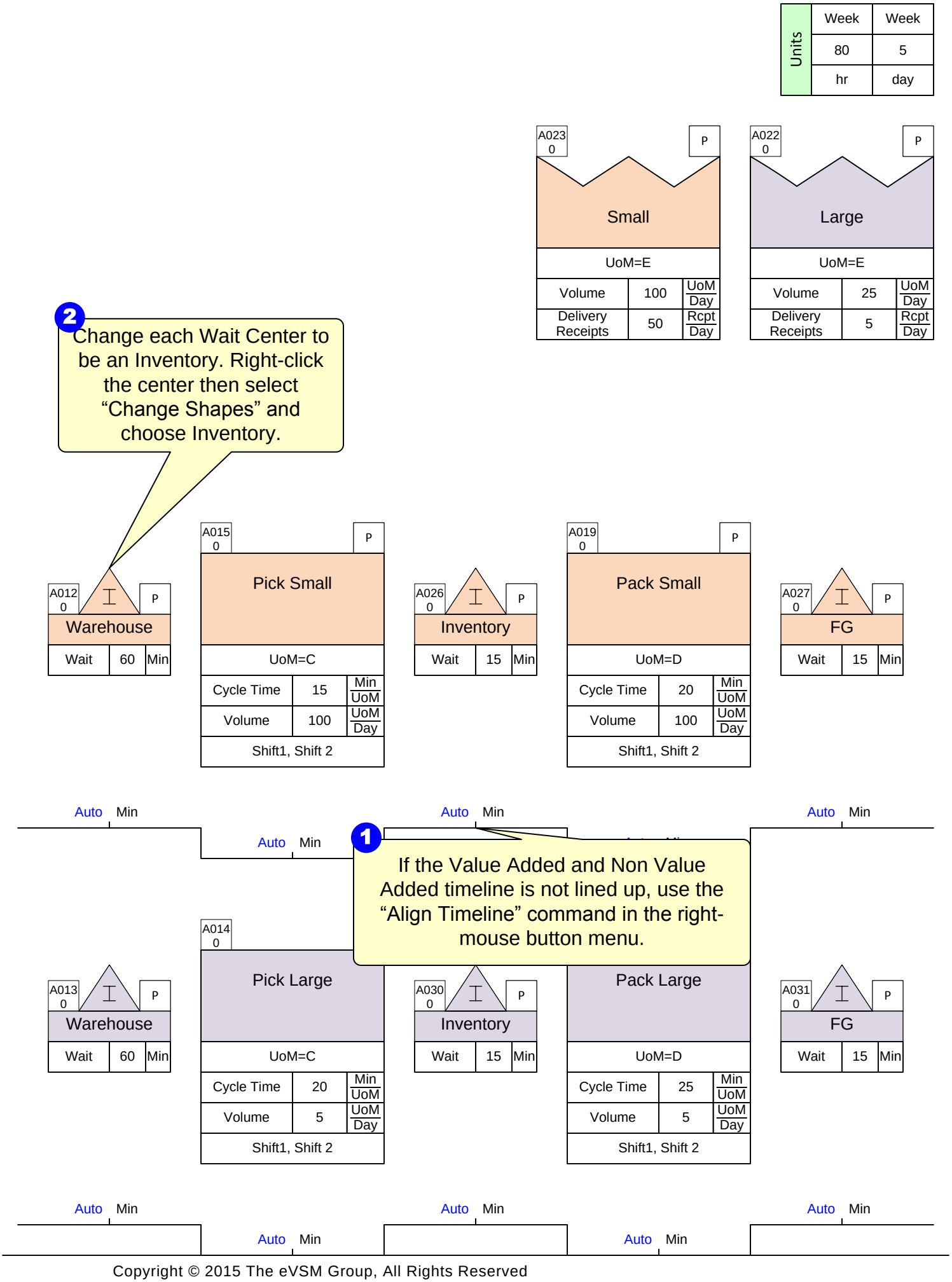

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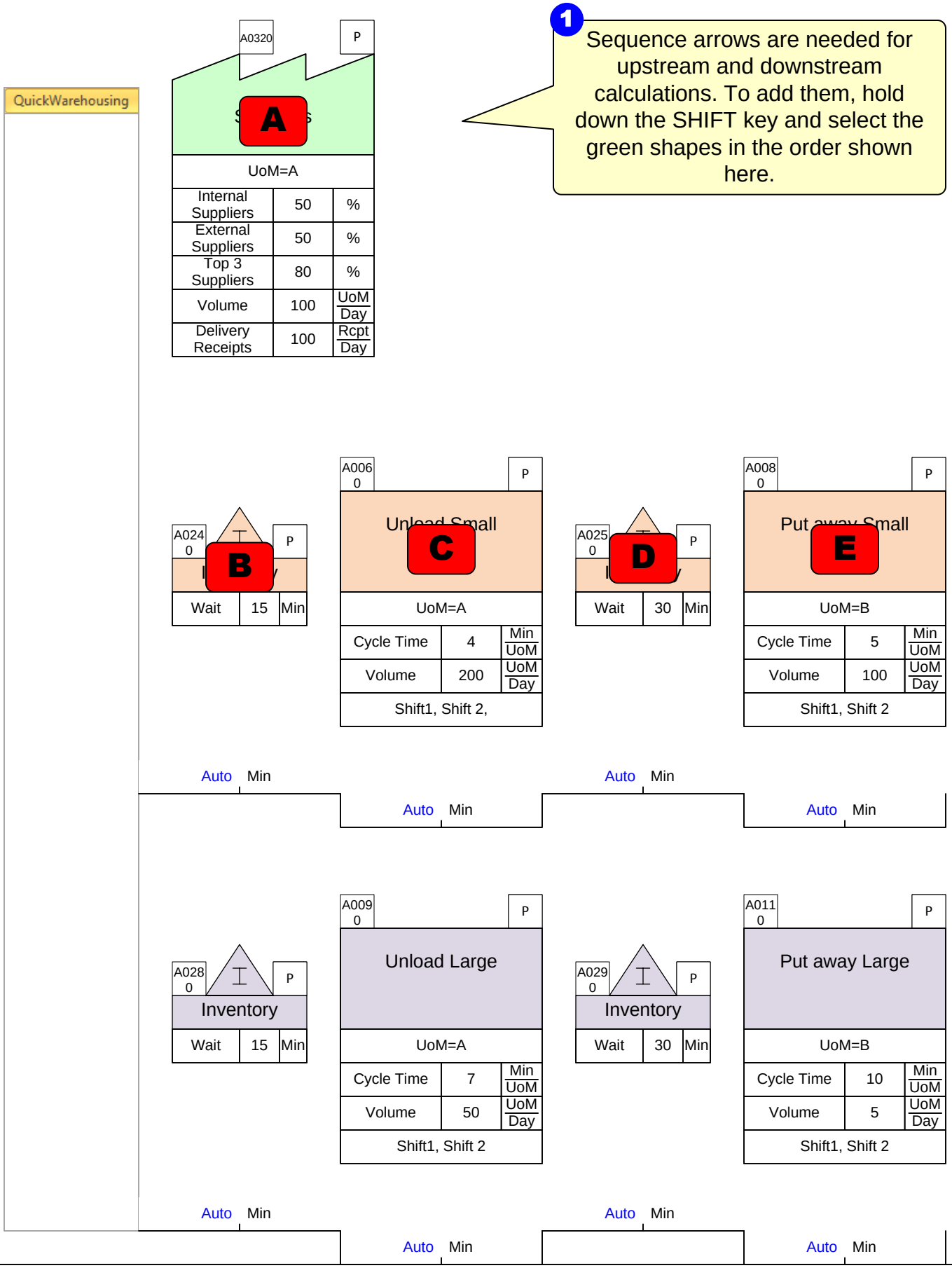
Step 6: Sequence Arrows



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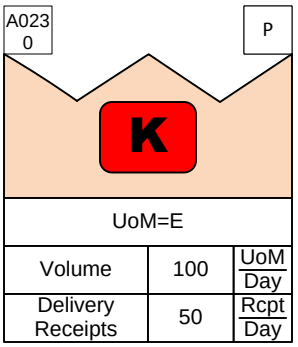
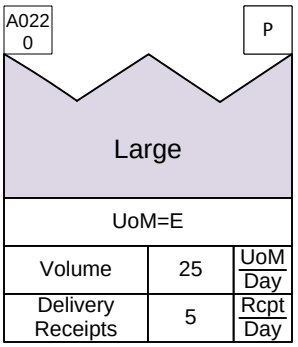
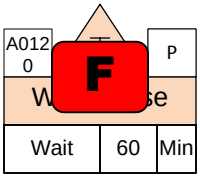
Units	Week	Week
	80	5
	hr	day

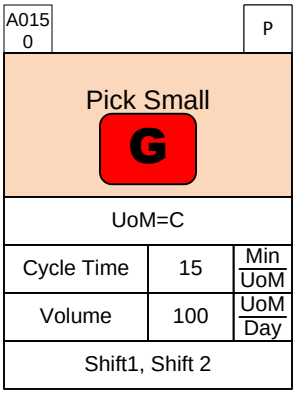
2

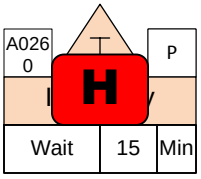
Click the Sequence button. Sequence

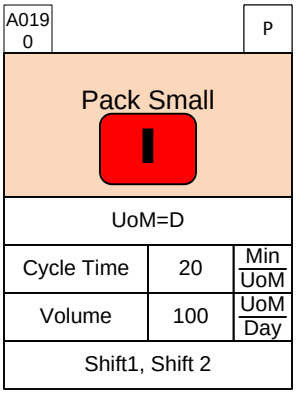


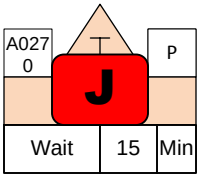


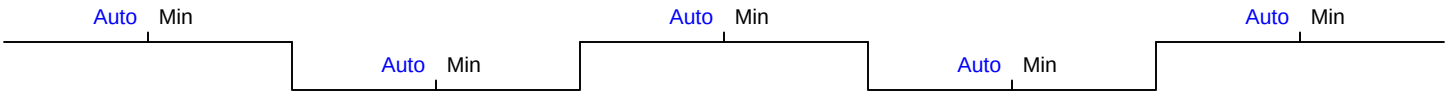


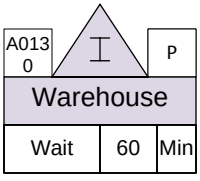


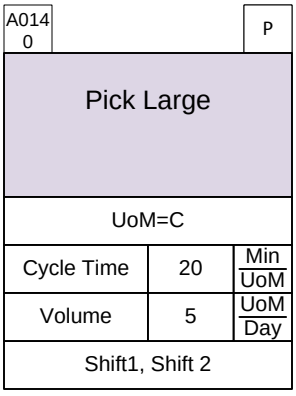


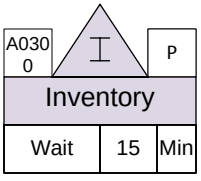


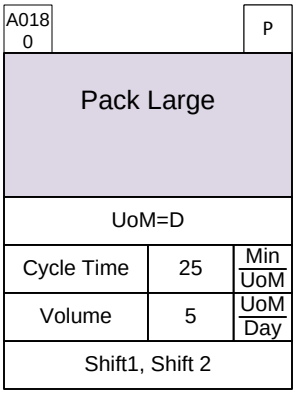


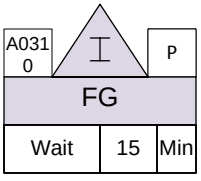


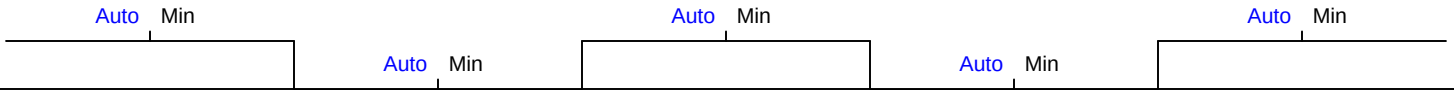












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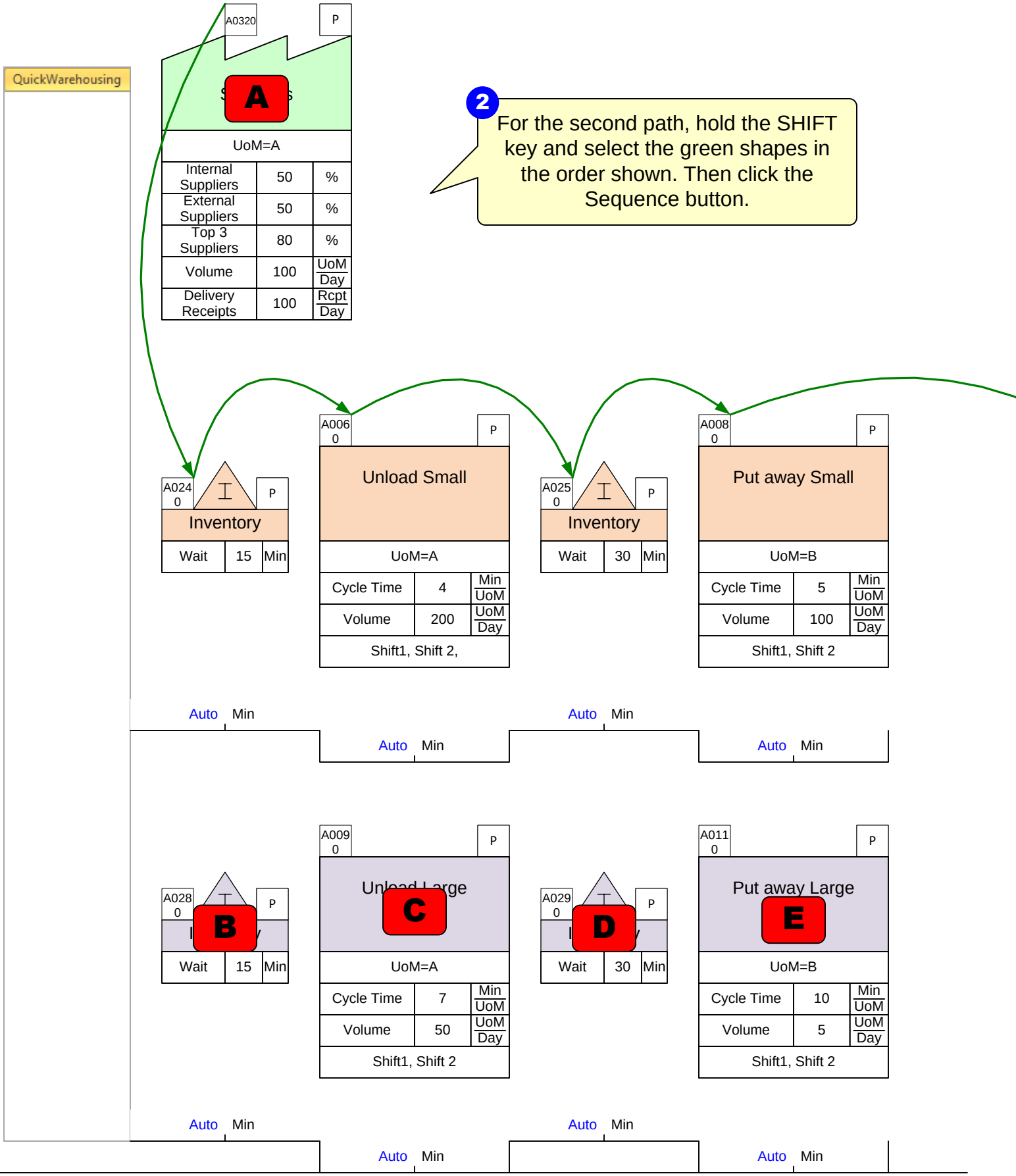
Step 7: Sequence Path 2



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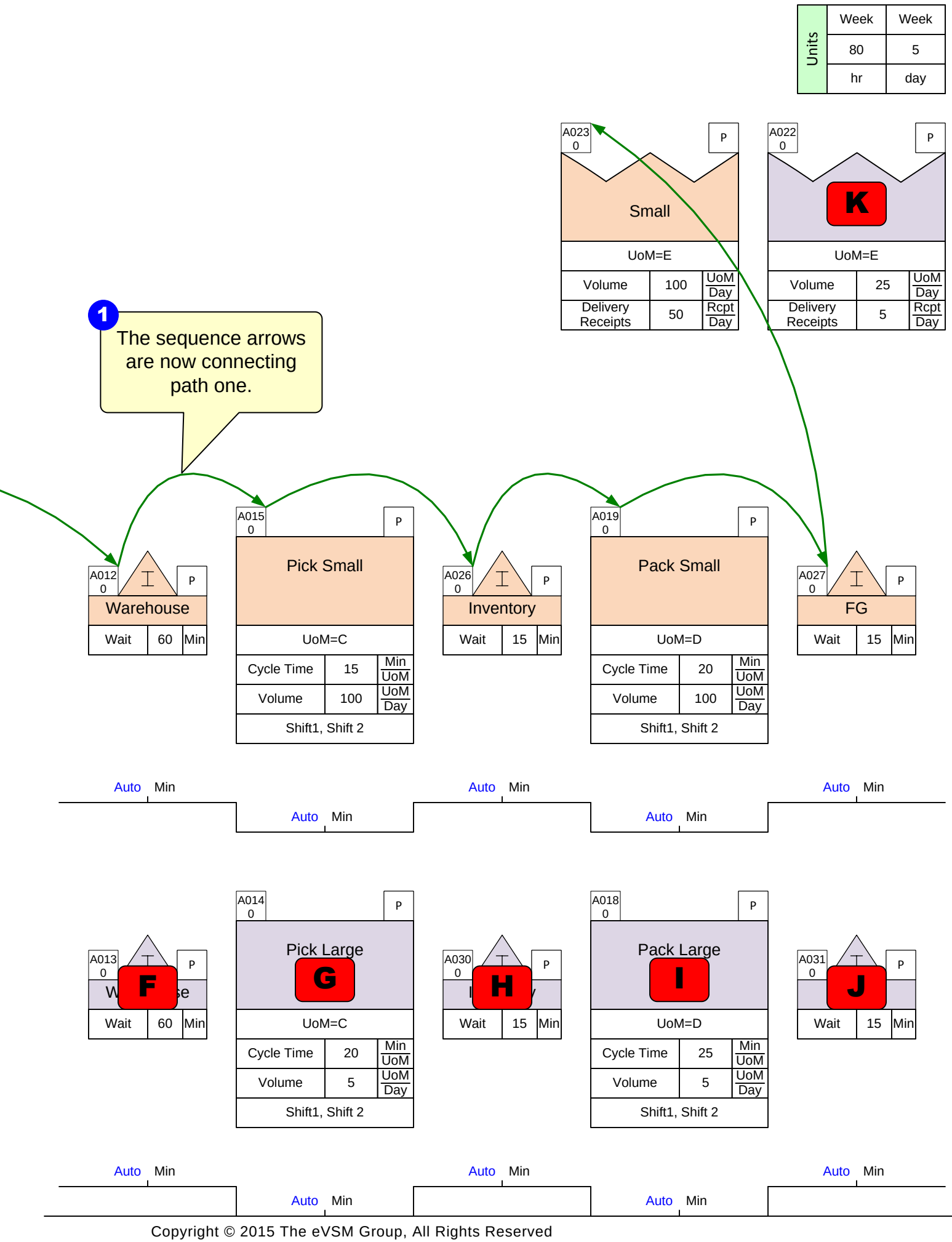

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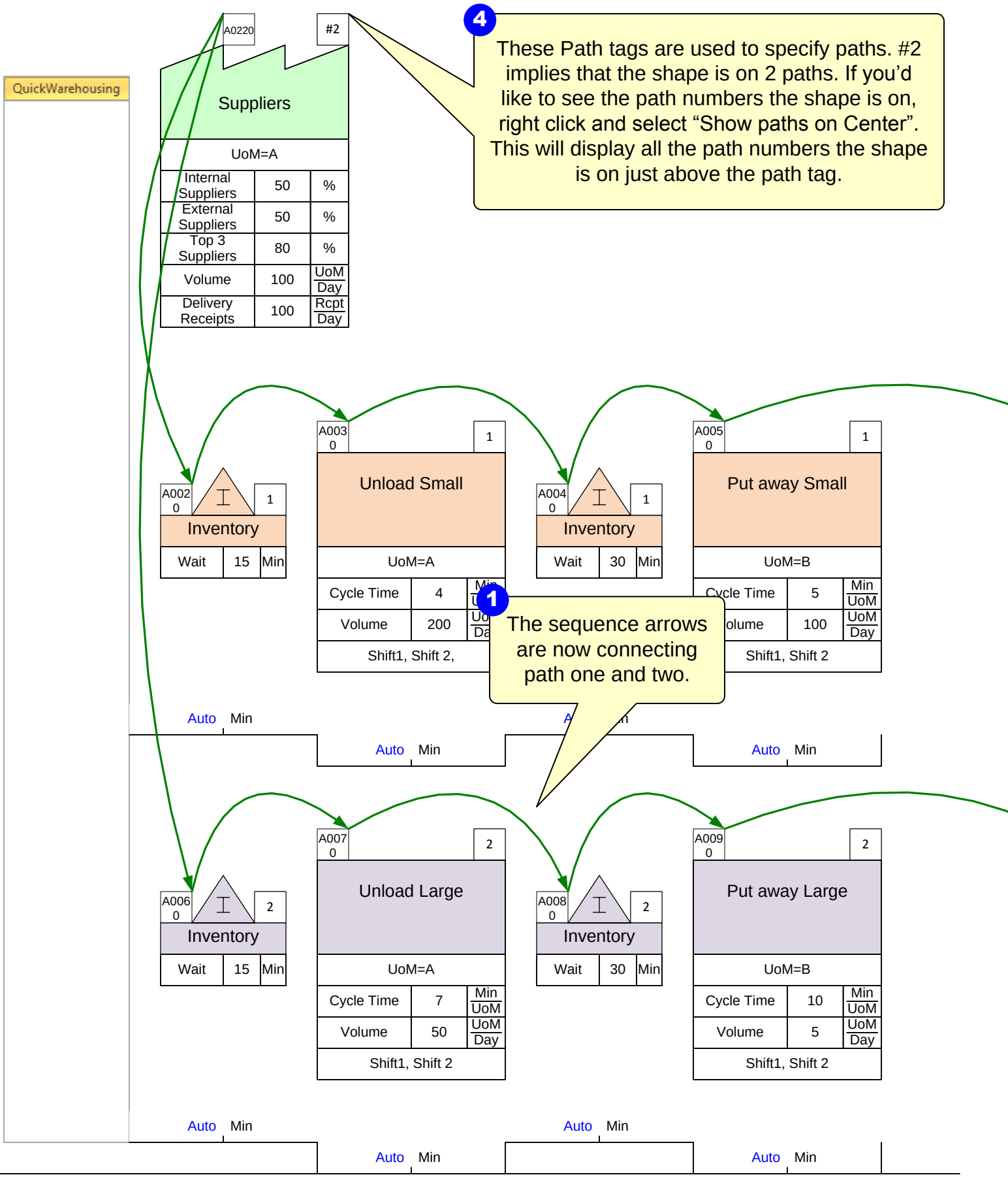
Step 8: Use Auto Path to Generate Path ID's based on Sequence Arrows



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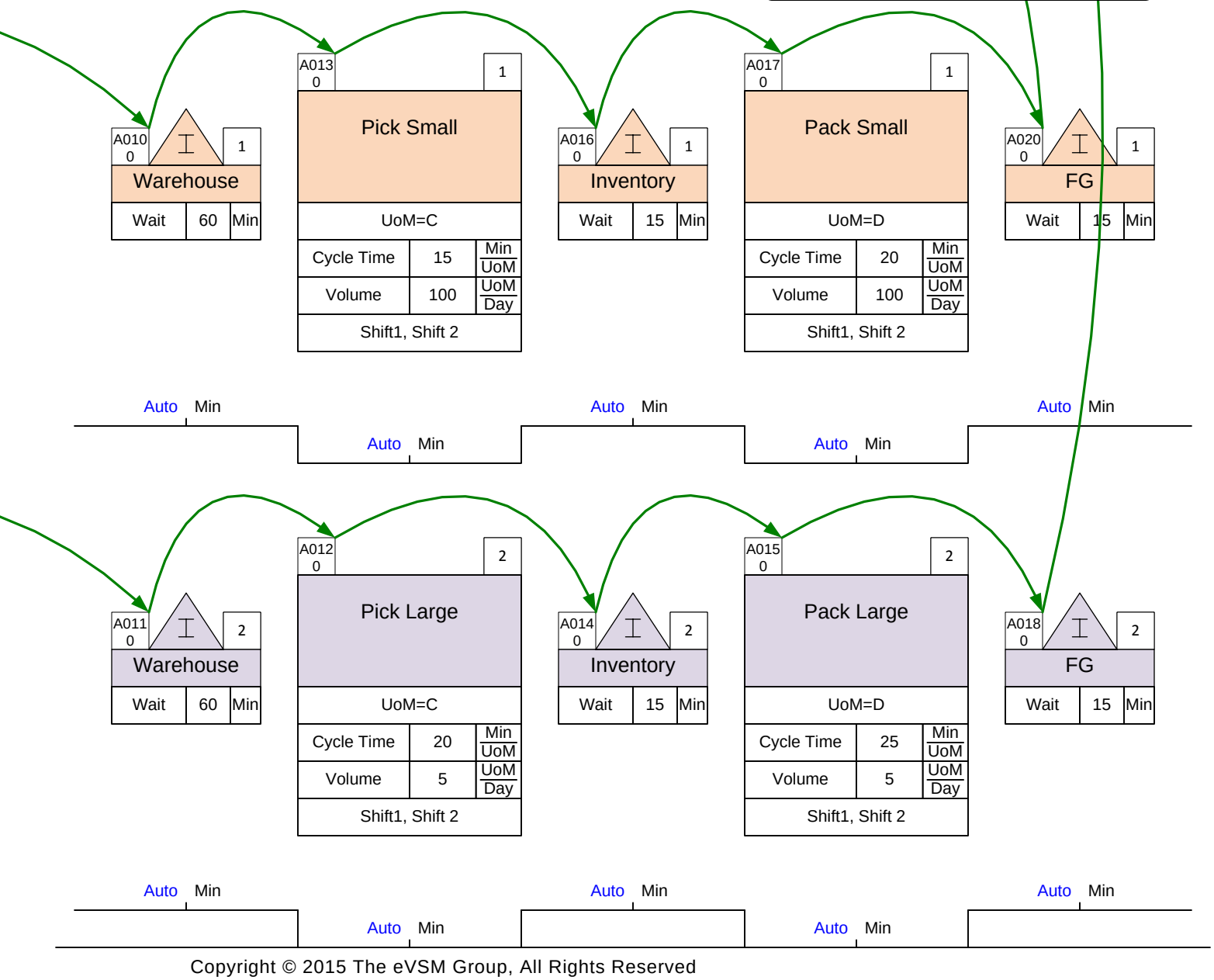
Units	Week	Week
	80	5
	hr	day

2 Click AutoTag again to re-order the tags based on the new sequence arrows. Auto Tag

3 Click Auto Path to automatically generate Path numbers based on Sequence arrows. The path numbers on your map might not exactly match the ones on this example, and that is okay. Auto Path

5 Sequence arrow visibility can be switched On/Off with the Show Seq button. Try it. Show Seq.



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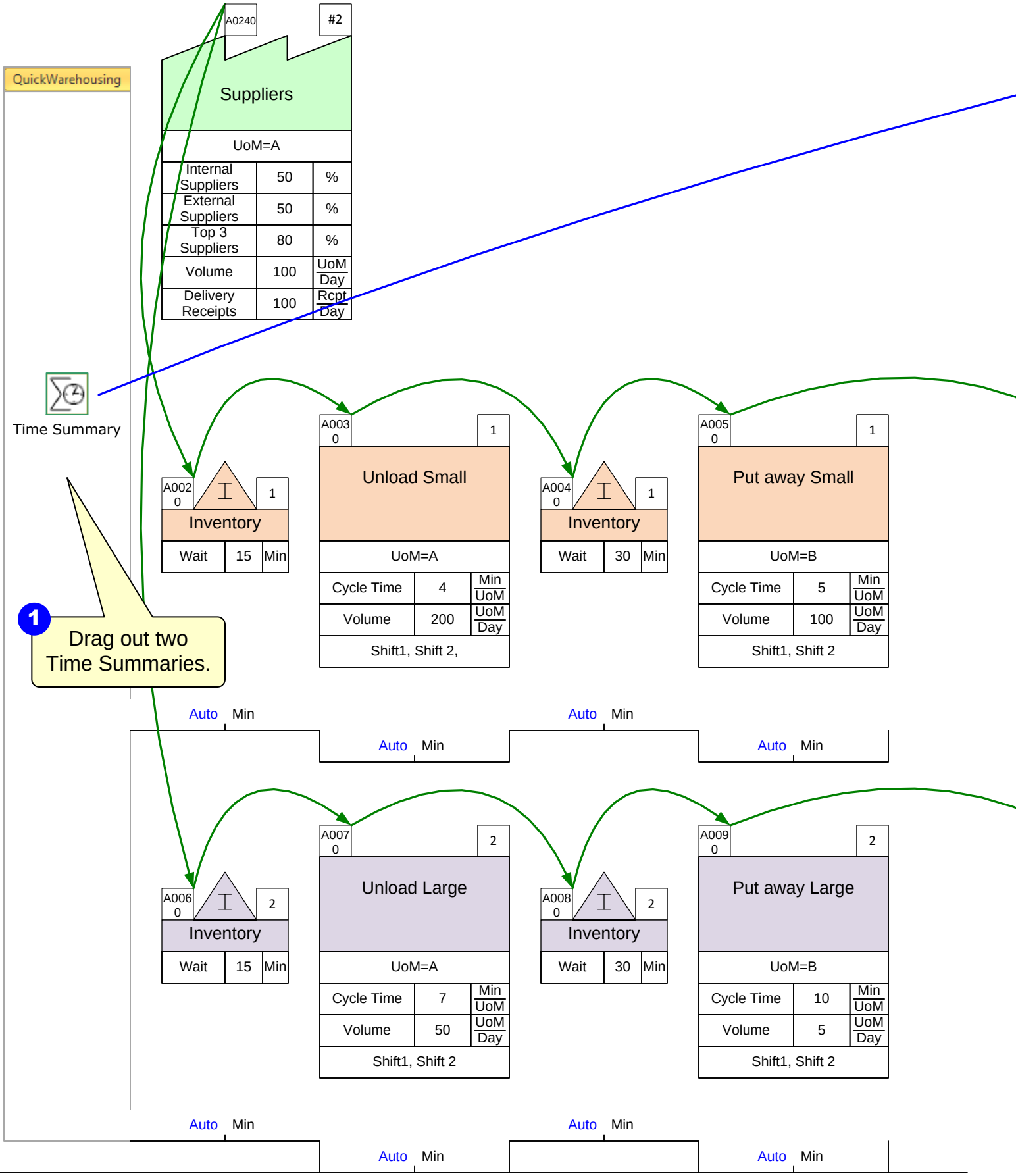
Step 9: Time Summary by Path



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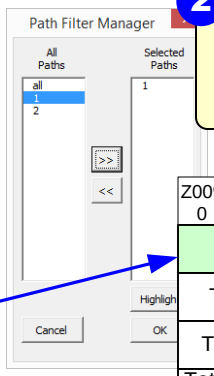

2 Double-click to change this path filter to “1” using the Path Filter Manager.

3 Change this Path Filter List to a “2” using the same method.

Units	Week	Week
	80	5
	hr	day

Z009 0 — 1

Time Summary		
Total VA	Auto	Min
Total NVA	Auto	Min
Total Supplier Lead Time	Auto	Day
Total Lead Time	Auto	Min

Z023 0 — 2

Time Summary		
Total VA	Auto	Min
Total NVA	Auto	Min
Total Supplier Lead Time	Auto	Day
Total Lead Time	Auto	Min

A021 0 — 1

Small

UoM=E		
Volume	100	UoM / Day
Delivery Receipts	50	Rcpt / Day

A019 0 — 2

Large

UoM=E		
Volume	25	UoM / Day
Delivery Receipts	5	Rcpt / Day

A010 0 — 1

Warehouse

Wait	60	Min

A013 0 — 1

Pick Small

UoM=C		
Cycle Time	15	Min / UoM
Volume	100	UoM / Day
Shift1, Shift 2		

A016 0 — 1

Inventory

Wait	15	Min

A017 0 — 1

Pack Small

UoM=D		
Cycle Time	20	Min / UoM
Volume	100	UoM / Day
Shift1, Shift 2		

A020 0 — 1

FG

Wait	15	Min

Auto Min — Auto Min — Auto Min — Auto Min — Auto Min

A011 0 — 2

Warehouse

Wait	60	Min

A012 0 — 2

Pick Large

UoM=C		
Cycle Time	20	Min / UoM
Volume	5	UoM / Day
Shift1, Shift 2		

A014 0 — 2

Inventory

Wait	15	Min

A015 0 — 2

Pack Large

UoM=D		
Cycle Time	25	Min / UoM
Volume	5	UoM / Day
Shift1, Shift 2		

A018 0 — 2

FG

Wait	15	Min

Auto Min — Auto Min — Auto Min — Auto Min — Auto Min

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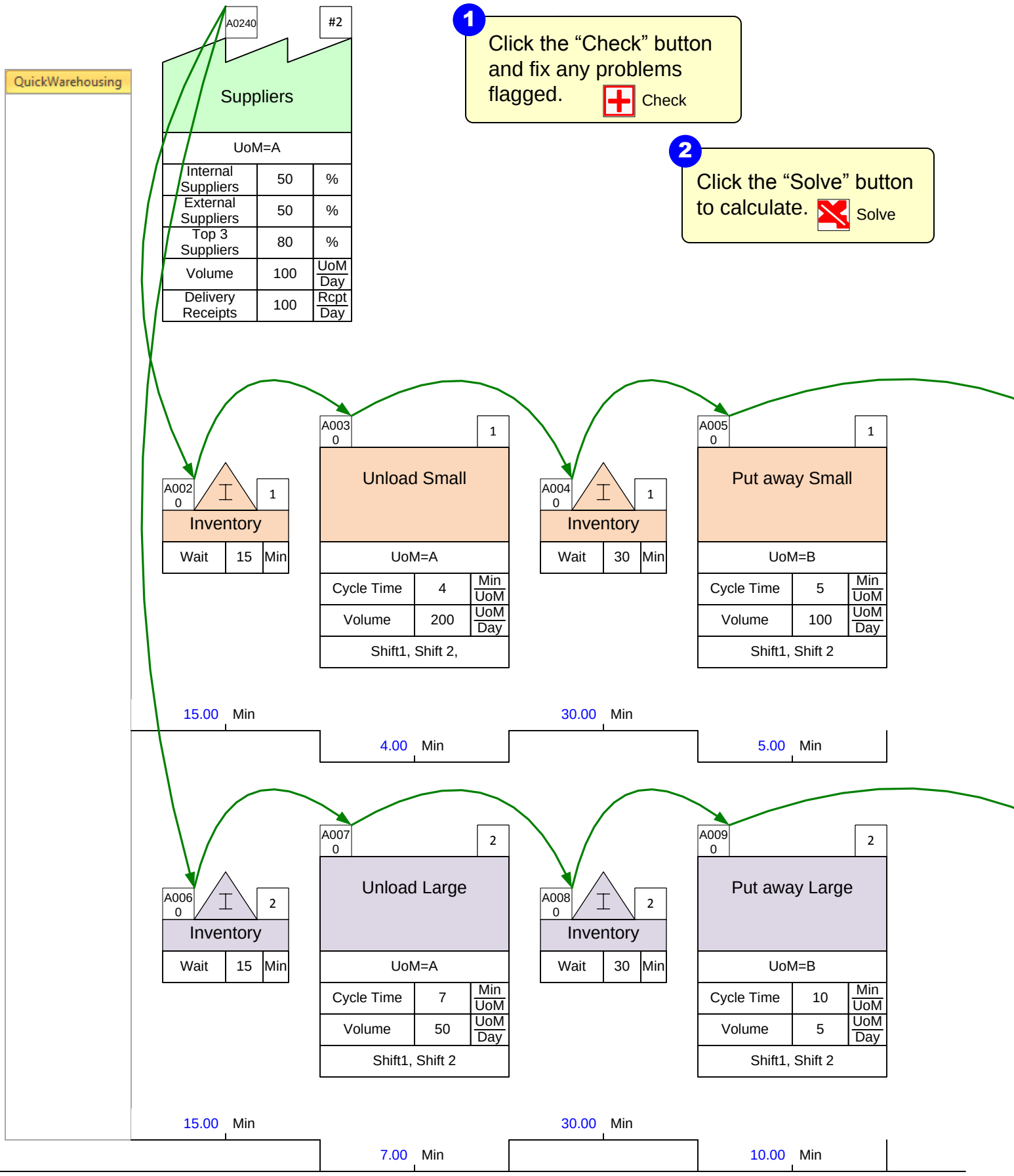
Step 10: Perform Calculations



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Units	Week	Week
	80	5
	hr	day

Z0090	1
Time Summary	
Total VA	44.00 Min
Total NVA	135.00 Min
Total Supplier Lead Time	0.00 Day
Total Lead Time	179.00 Min

Z0230	2
Time Summary	
Total VA	62.00 Min
Total NVA	135.00 Min
Total Supplier Lead Time	0.00 Day
Total Lead Time	197.00 Min

A0210	1
Small	
UoM=E	
Volume	100 UoM/Day
Delivery Receipts	50 Rcpt/Day

A0190	2
Large	
UoM=E	
Volume	25 UoM/Day
Delivery Receipts	5 Rcpt/Day

3 When complete, note that all blue values show calculated results

A0100	1
Warehouse	
Wait	60 Min

A0130	1
Pick Small	
UoM=C	
Cycle Time	15 Min/UoM
Volume	100 UoM/Day
Shift1, Shift 2	

A0160	1
Inventory	
Wait	15 Min

A0170	1
Pack Small	
UoM=D	
Cycle Time	20 Min/UoM
Volume	100 UoM/Day
Shift1, Shift 2	

A0200	1
FG	
Wait	15 Min

60.00 Min | 15.00 Min | 15.00 Min

15.00 Min | 20.00 Min

A0110	2
Warehouse	
Wait	60 Min

A0120	2
Pick Large	
UoM=C	
Cycle Time	20 Min/UoM
Volume	5 UoM/Day
Shift1, Shift 2	

A0140	2
Inventory	
Wait	15 Min

A0150	2
Pack Large	
UoM=D	
Cycle Time	25 Min/UoM
Volume	5 UoM/Day
Shift1, Shift 2	

A0180	2
FG	
Wait	15 Min

60.00 Min | 15.00 Min | 15.00 Min

20.00 Min | 25.00 Min

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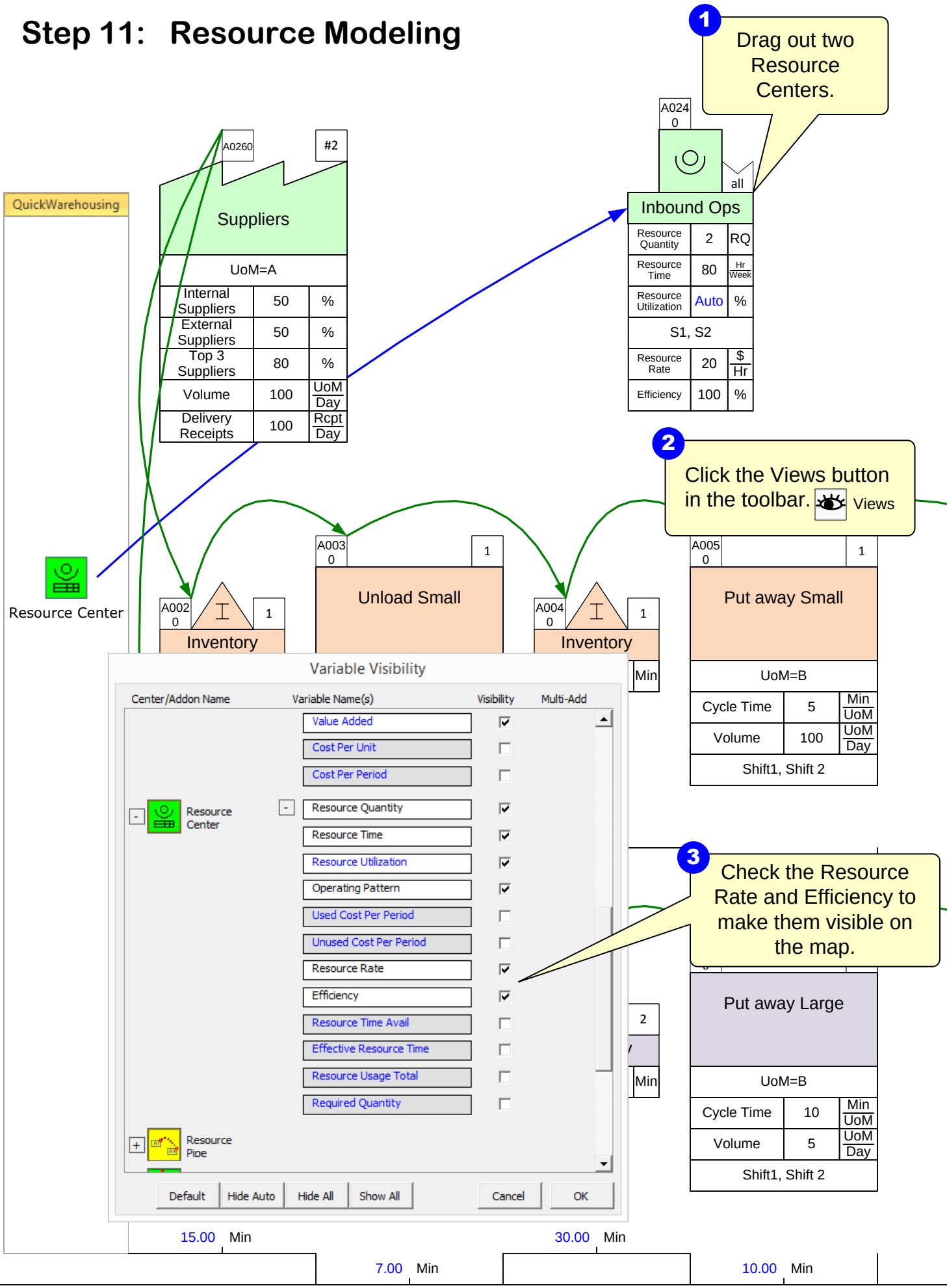
Step 11: Resource Modeling



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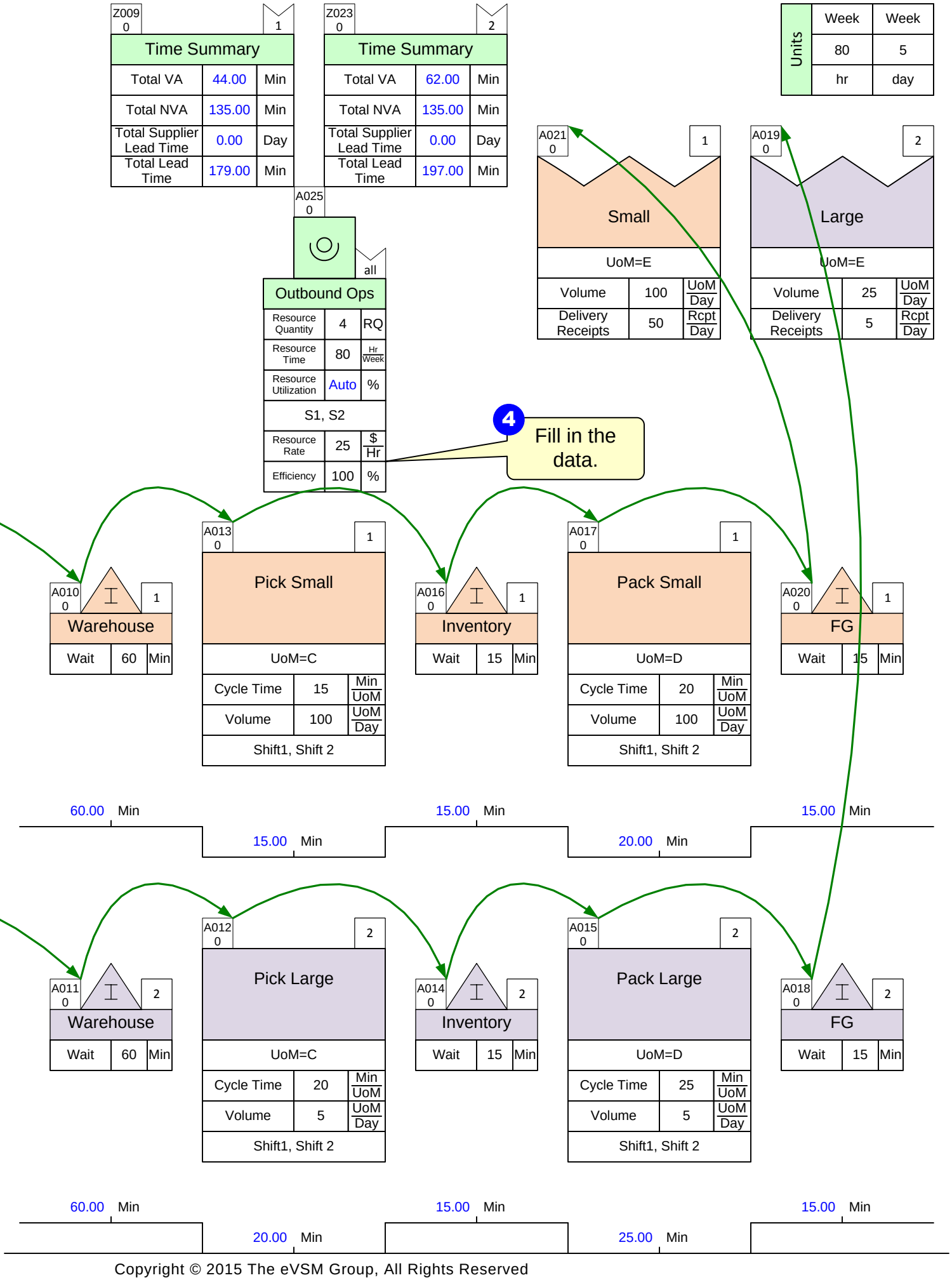

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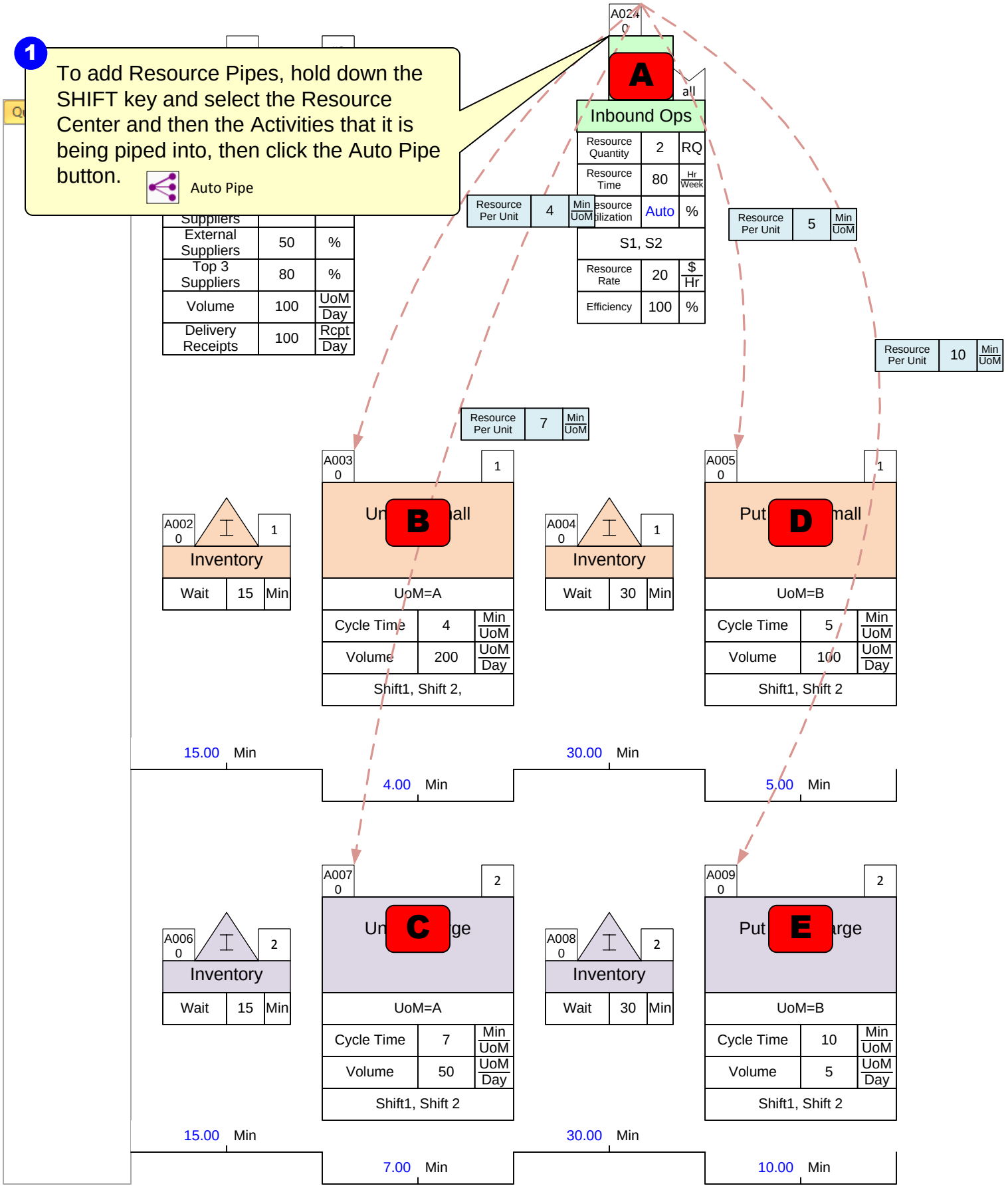
Step 12: Adding Resource Pipes



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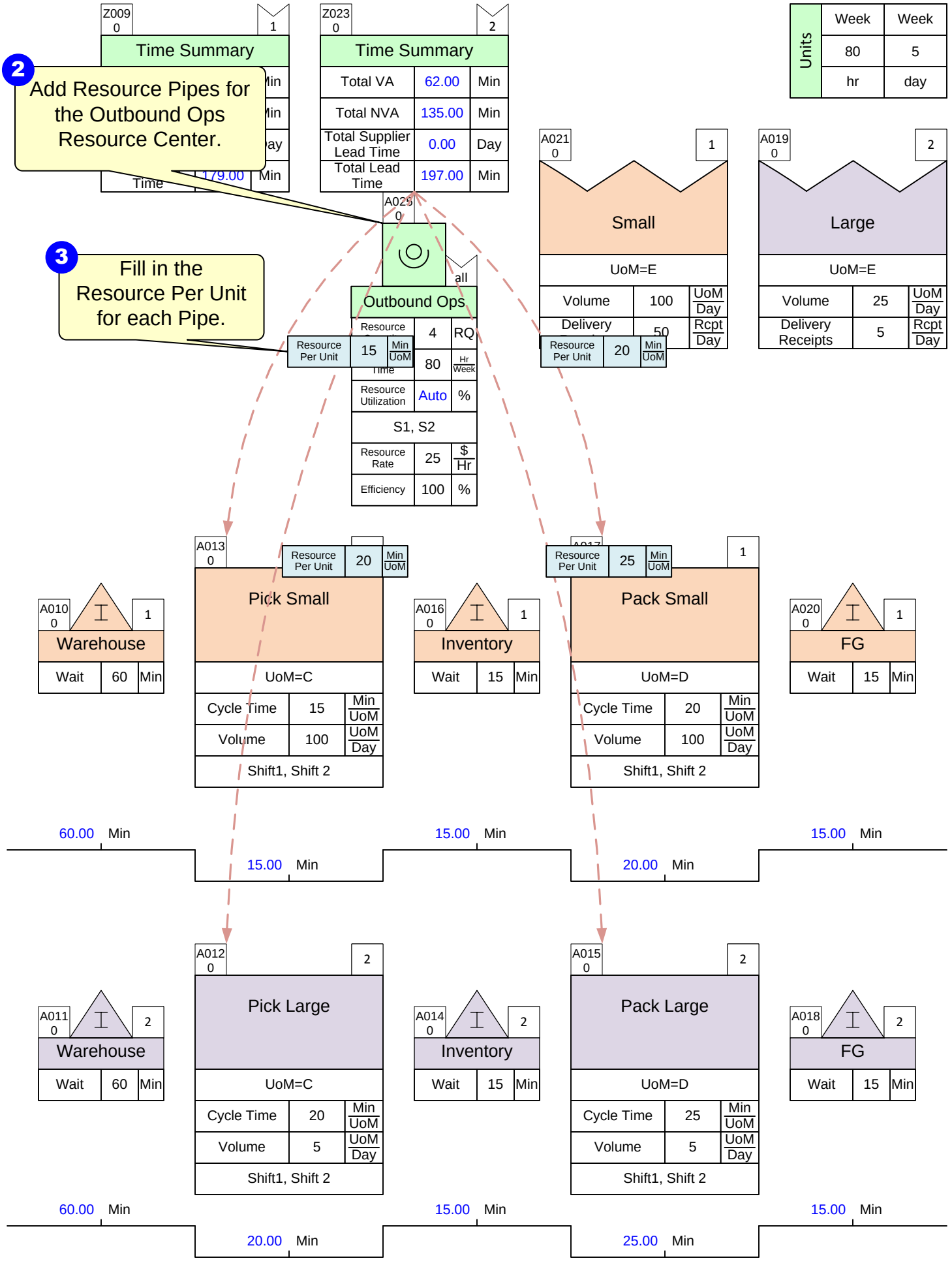

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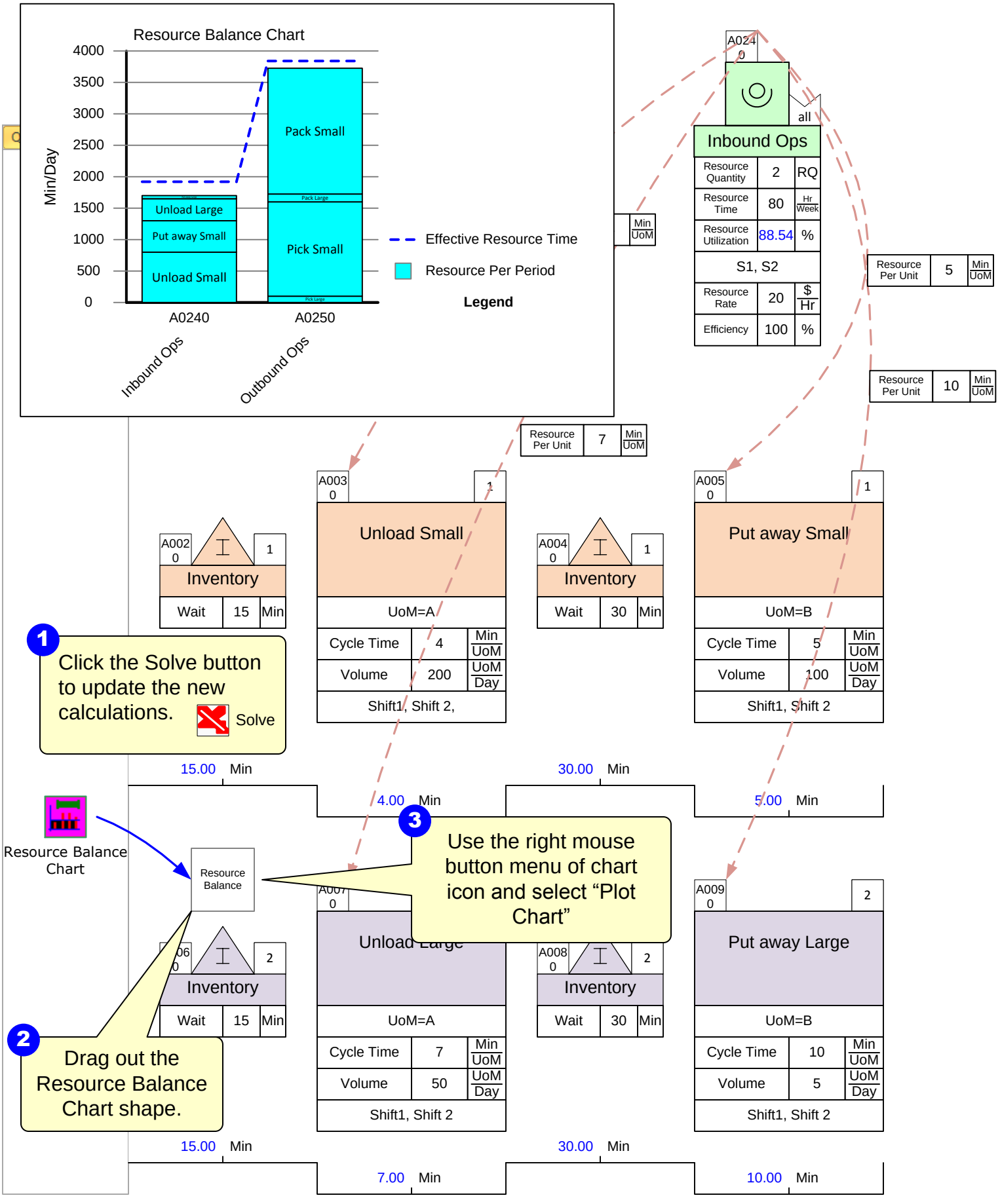
Step 13: Resource Balance Chart



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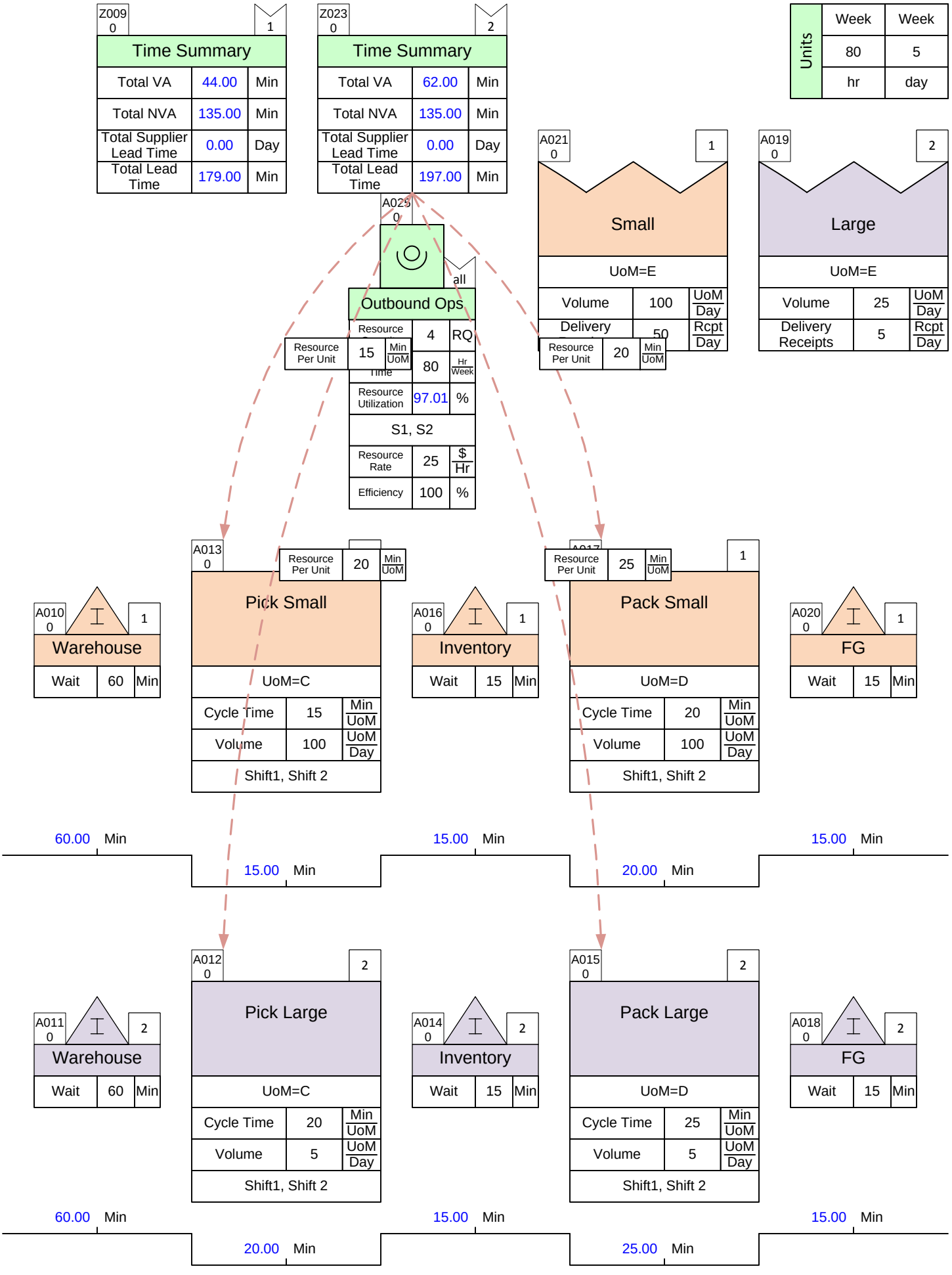

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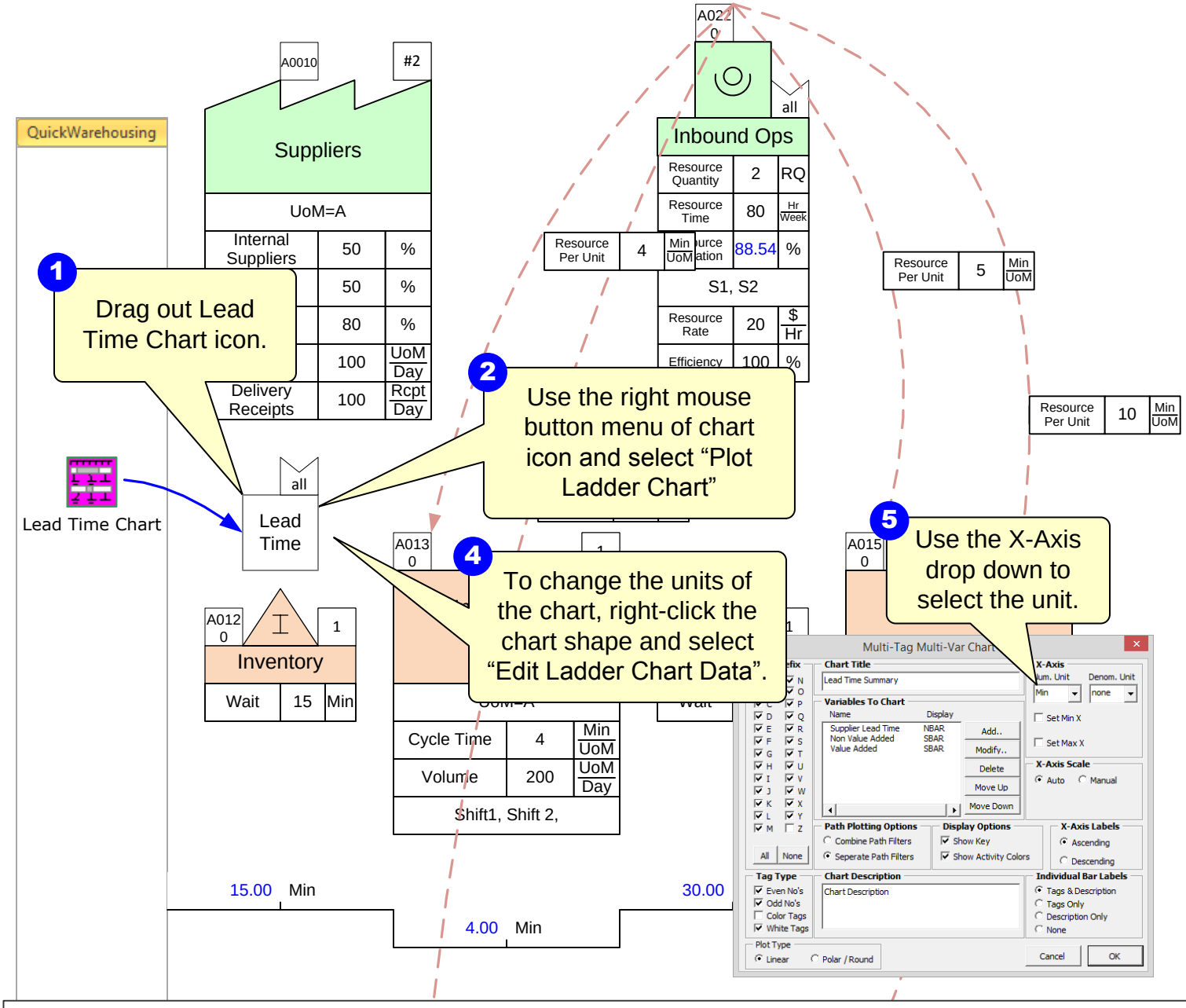
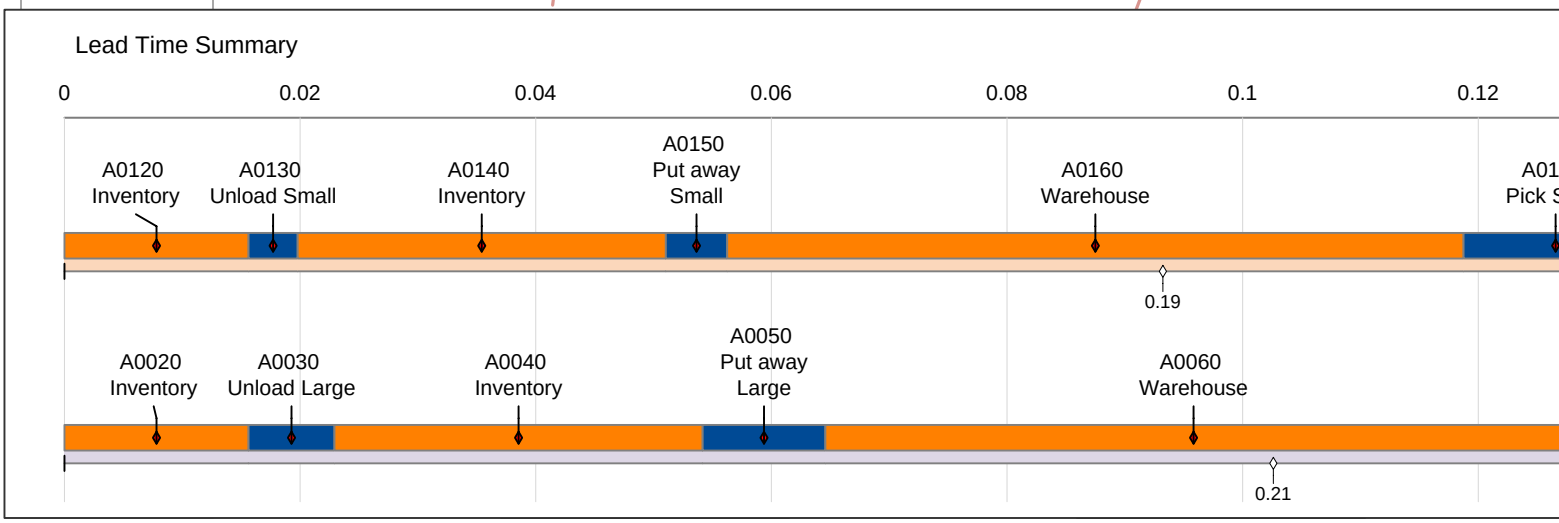
Step 14: Lead Time Chart





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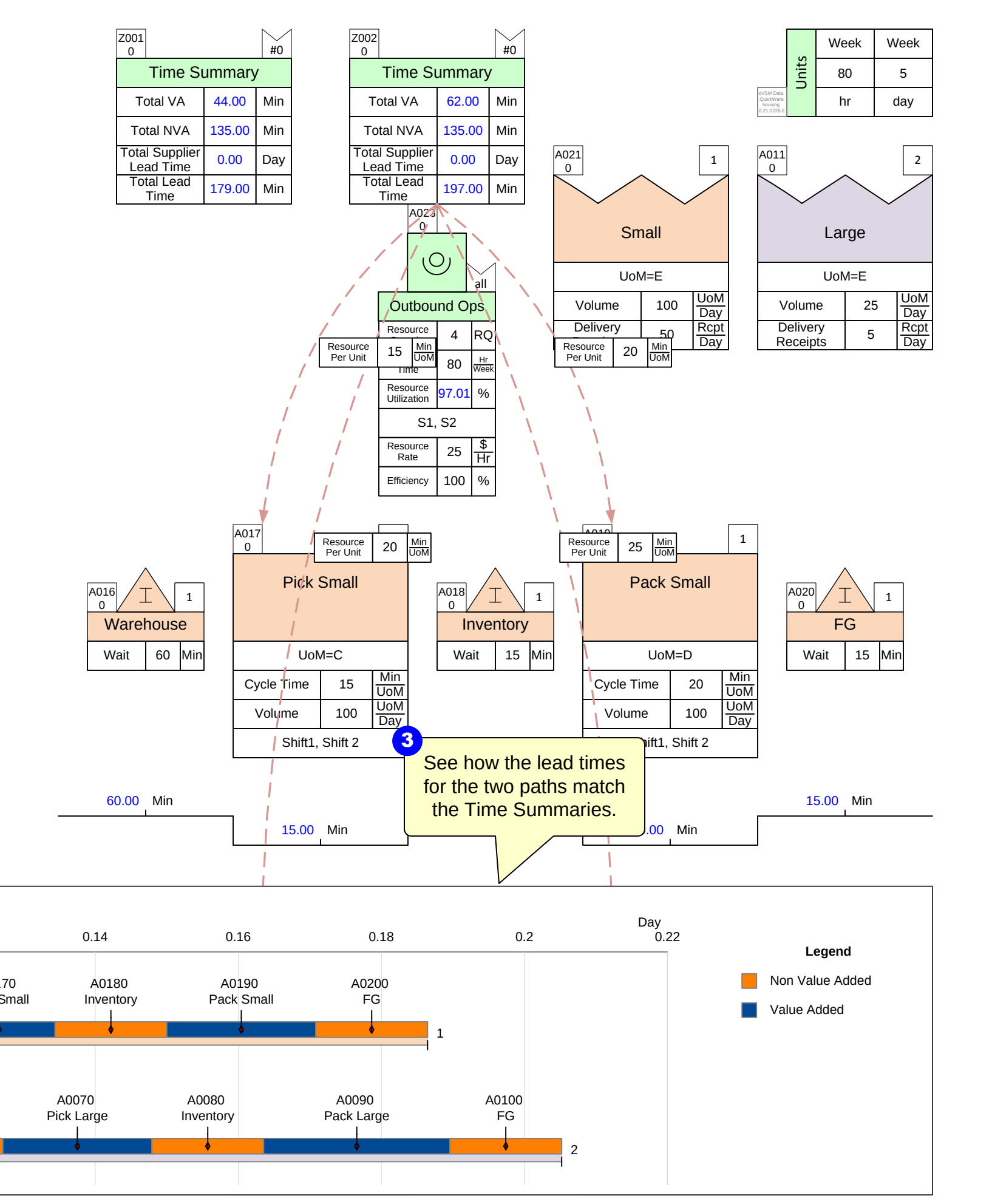

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