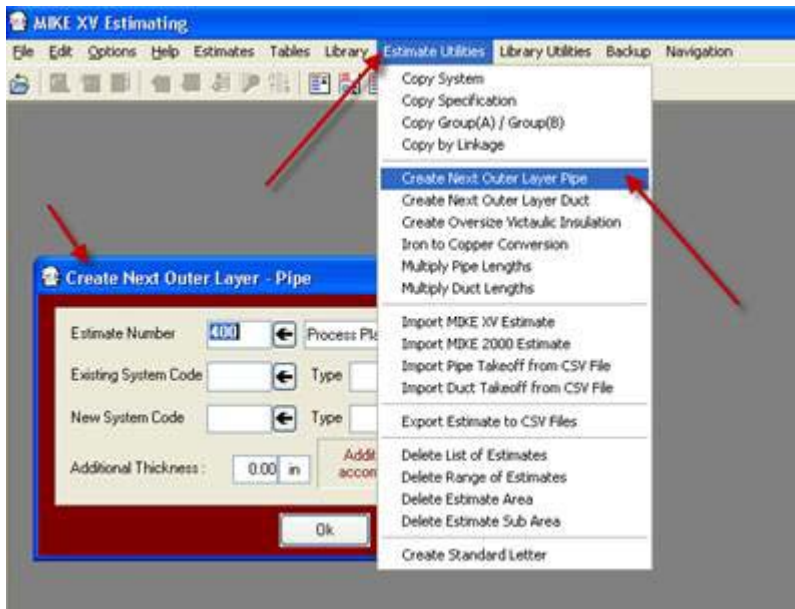


How to use: *Create Next Outer Layer Pipe.*

Run a Utility that creates the next layer, or in your case, the 3rd layer. The system uses the OD of the inner layer's insulation as the pipe size for the next layer. It creates a whole another set of takeoff lines for the outer layer.



Make a new type like I did, I made it a 3 for 3rd Layer.



Check your Estimate's Linkage Records. If the outer layer spec has changed you will need to attached another Spec Code to it.

1 Estimate	2 Systems		3 Specifications		4 Linkage		5 Takeoff		6 Recalculate		7 Recap	
1 Pipe	2 Duct											
System Code	System Description - Pipe	Type	Type Description	Spec Code	Thickness	Pipe Size		I/M = Imperial or Metric		Pipe Labor Modifier	Labor Only	
						Starting Size	Ending Size	I/M Size	I/M Thick			
CHW	Chilled Water	A	ALL	FSP	Yes	3.00	9999.99	I	I	0.00	<input type="checkbox"/>	
CHW	Chilled Water	A	ALL	FLX	Yes	0.00	2.90	I	I	0.00	<input type="checkbox"/>	
DDM	Domestic Water	A	ALL	FLX	Yes	0.00	4.00	I	I	0.00	<input type="checkbox"/>	
DDM	Domestic Water	A	ALL	ASP	Yes	4.50	9999.99	I	I	0.00	<input type="checkbox"/>	
HWH	Hot Water Heating	3	ALL	FSP	Yes	0.00	9999.99	I	I	0.00	<input type="checkbox"/>	
HWH	Hot Water Heating	A	ALL	FSP	Yes	0.00	9999.99	I	I	0.00	<input type="checkbox"/>	

Creates a new Linkage

Review your Estimate's Pipe Detail Records for accuracy.

1 Estimate	2 Systems		3 Specifications		4 Linkage		5 Takeoff		6 Recalculate		7 Recap		
1 Pipe	2 Duct												
3 Assigned Equipment	4 Build Equipment												
5 Sundries													
#	Drawing	Floor	System Code	Type	Pipe Size	Thick	S D	Pipe	90s	45s	Tees	UCr	WVz
10	1234	1st	DDM	A	1.00			110.00	20		5		5
11	1234	1st	DDM	A	1.50			98.00	8		4		3
12	1234	1st	DDM	A	4.00			120.00					
13	1234	1st	HWH	A	1.00			85.00	12		10		3
14	1234	1st	HWH	A	3.00			188.25	7		7		
15	1234	1st	HWH	A	4.00			231.00	6		4		
20	1234	1st	HWH	3	4.00			85.00	12		10		3
21	1234	1st	HWH	3	6.00			188.25	7		7		
22	1234	1st	HWH	3	8.00			231.00	6.00	0.00	4.00	0.00	0.00

Green is Original Takeoff

Yellow is utility created Takeoff

The yellow pipe sizes are the OD of the insulation from the green pipe sizes.