

Update Bulletin 2.2.1.17

Hello

Portions of the current update have been requested by various users and have finally made their way to the runtime version. Since many features are packed together a special bulletin beyond the standard “What’s New” text has been provided.

Takeoff MAIN_GRID	2
Group by	2
Filter by	4
CLEAR	5
Statusbar	6
Takeoff Material page	6
Takeoff Labor page	6






Takeoff MAIN_GRID

Reception

Drawing: 2/A12 Section: 43/A20

Scope: Include Chairs.

A

	Location	ID		Qty	Product	Width	Height	Depth	Construction	Comments	Phase	Revisi
	Recep...	16		1	Wall 1	120	42	6	Default(C)	Wall to reception	Phase 3	Origin
	Recep...	17		2	B302	18	42	24	Cab-Birch		Phase 3	Origin
	Recep...	18		1	C822	122	12	32	Default(C)		Phase 3	Origin
	Recep...	19		4	Chairs				Cab-Birch		Phase 3	Origin
▶	Recep...	26		2	Frame 4 inch		42	96	Default(C)	Entry frames to Offices	Phase 2	CCO 1

B

	Direct	[Indirect]	Markup	Profit	Total Sell
Material	\$1,692.29		\$338.46	\$1,015.38	\$3,046.13
Labor(21.2)	\$424.84		\$127.45	\$276.14	\$828.43
					\$3,874.56

C

- 1) Location properties from the project outline are shown here along with the location name. Remember that the labels "Drawing, Section and Scope" may be modified in Edit|Preferences.
- 2) Alternating colour scheme added. Right click menus added for Grouping and Filtering of column values.
- 3) Similar to other summary pages location totals are now shown. Currently [Indirect] cost is part of direct cost. Remember that material distinctions between direct/indirect are done at Admin|Materials and Labor at Catalog|Labor. Formula Total Sell:

$$\text{Total_Sell} = ((\text{directcost} * \text{markup_directcost}) + \text{indirect_cost} * \text{markup_indirectcost}) * \text{profit}.$$
 See Edit|Project:Bid Results – for modifying % mark-up and Profit.

Group by

- 1) Grids often have common data that should occur together for easy reading. "Grouping" can accomplish this and then not repeat the common data. Let's say that we wish to group like phases.

- 2) Right click over location grid. Select Group by.

Reception

Drawing: 2/A12 Section: 43/A20
Scope: Include Chairs.

Location	ID	Qty	Product	Width	Height	Depth	Cor
Recep...	16	1	Wall 1		42	6	De
Recep...	17	2	B302		42	24	Cal
Recep...	18	1	C822		12	32	De
Recep...	19	4	Chairs				Cal
Recep...	26	2	Frame 4		96		De

Material \$1,692.29
Labor (21.2) \$424.84

Direct

Group by options: none, Depth, Group, Height, Location, Phase

Group by options: none, Depth, Group, Height, Location, Phase, Product, Revision, Width

- 3) Select "Phase"

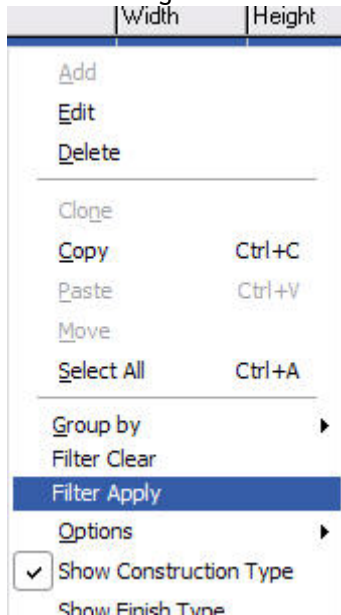
- 4) Result.

Location	ID	Qty	Product	Width	Height	Depth	Construction	Comments	Phase	Revisi
Recep...	26	2	Frame 4 inch	42	96		Default(C)	Entry frames to Offices	Phase 2	CCO 1
Recep...	16	1	Wall 1	120	42	6	Default(C)	Wall to reception	Phase 3	Origin.
Recep...	17	2	B302	18	42	24	Cab-Birch			Origin.
Recep...	18	1	C822	122	12	32	Default(C)			Origin.
Recep...	19	4	Chairs				Cab-Birch			Origin.

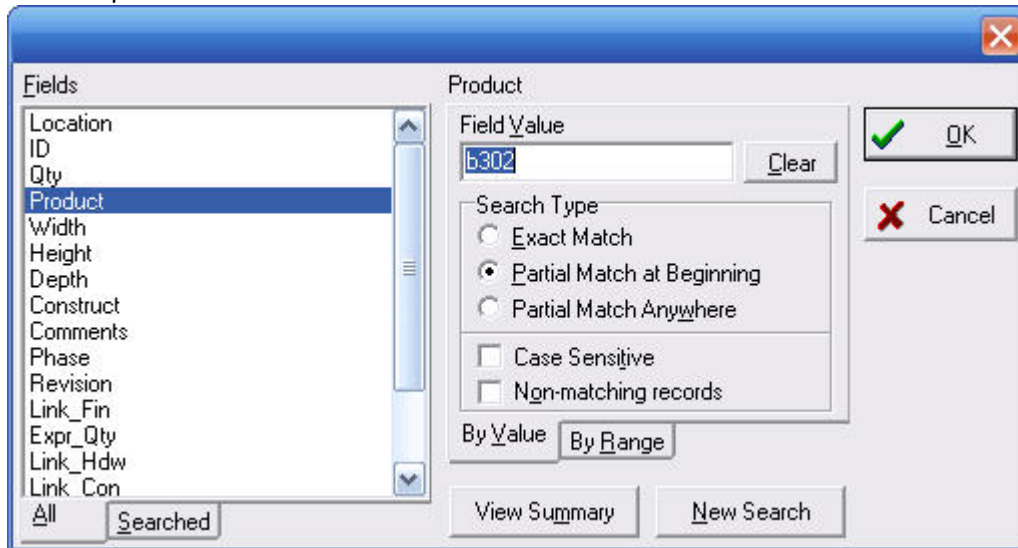
Since grouping doesn't actually sort and only redraws the grid, the user will need to provide their own sorting by clicking on the header column title.

Filter by

- 1) Often with large data grids too many rows are shown. Filtering will reduce the number of rows shown by selectively showing certain rows, thus "Filtering". Lets say we wish to do a common operation on all 2 Drawer units {B302}.
- 2) Start with right click menu. Select Filter Apply.



- 3) Filter expression:



- a) Select column from left.
- b) Simple expression – By value: type a filter value. This returns all products beginning with "b302".

- c) More complex expression – By Range: provide a start and end value. Thus all Width between 24 and 36 inclusive.
- d) Power user – Multiple columns may be used for filtering.
- 4) Click OK.
- 5) Result:

FILTERED: Office 2											
Drawing:		Section:									
Scope:											
Location	ID	Qty	Product	Width	Height	Depth	Construction	Comments	Phase	Revision	
Office 2	10	1	B 302	30	30	18	Cab-Birch		Phase 1	Original	
Office 2	11	2	B 302	30	30	18	Cab-Birch		Phase 1	Original	
Office 2	12	1	B 302	30	30	18	Cab-Birch		Phase 1	Original	
				Direct		[Indirect]		Markup	Profit	Total Sell	
Material				\$556.64				\$111.33	\$333.99	\$1,001.96	
Labor(12.8)				\$255.14				\$76.54	\$165.84	\$497.53	
										\$1,499.49	

Note that only products like B302 are shown. The other records still exist but are hidden for now. Also note that the footer totals have been updated to reflect current filter.

- 6) Other nodes:

FILTERED: All locations											
Drawing:		Section:									
Scope:											
Location	ID	Qty	Product	Width	Height	Depth	Construction	Comments	Phase	Revision	
Office 1	3	1	B 302	30	30	18	Cab-Birch		Phase 1		
Office 1	4	2	B 302	30	30	18	Cab-Birch				
Office 1	5	1	B 302	30	30	18	Cab-Birch				
Office 2	10	1	B 302	30	30	18	Cab-Birch				
Office 2	11	2	B 302	30	30	18	Cab-Birch				
Office 2	12	1	B 302	30	30	18	Cab-Birch				
Reception	17	2	B 302	18	42	24	Cab-Birch		Phase 3		
				Direct		[Indirect]		Markup	Profit	Total Sell	
Material				\$1,466.97				\$293.39	\$880.18	\$2,640.55	
Labor(32.6)				\$651.92				\$195.58	\$423.75	\$1,271.24	
										\$3,911.79	

The current filter will remain in effect for all future nodes selected during this session. In fact if sub-locations are also showing then the filter will act on that too.

CLEAR

- 1) To reset filter use "Filter Clear" right click mene.

Statusbar

- 1) Group by and Filtering text are shown in statusbar at bottom.

3 Line Items. Grouped by: Phase. Filtered by: [STARTING_WITH Product=b302] .

Takeoff Material page

- 1) A new column "Classification", which is the material library has been added. Grouping is automatically applied.

Takeoff	Material	Labor	Summary	
<ul style="list-style-type: none"> Tutorial - Starlight Jewelers <ul style="list-style-type: none"> 1st Floor 2nd Floor <ul style="list-style-type: none"> Office 1 Office 2 Reception Staff Room 	Qty	UOM	Classification	Name
	69	Linft.	Edging	15/16 x .018 PVC Birch
	110	Linft.		15/16 x 1/8 PVC Birch
	144	Each	Hardware	8mm Beech Dowell
	14	Pair		Blum bs230 20
	14	Each		Chrome 4 inch wire D pull
	14	Each		Kenstin cabinet lock
	100	Linft.	Mouldings	Crown 1x4 birch
	69	Sqft.	Sheet Goods	1/2 Baltic beech
	74	Sqft.		1/2 Birch G1S
	22	Sqft.		3/4 Beech G1S
	38	Sqft.		3/4 Beech G2S
	79.667	Sqft.		3/4 Birch G1S
	30.083	Sqft.		3/4 Sheathing
	15.417	Sqft.		Brown backer
	22.208	Sqft.		PL1 GP

Takeoff Labor page

- 1) Similar to Material

Takeoff	Material	Labor	Summary	
<ul style="list-style-type: none"> Tutorial - Starlight Jewelers <ul style="list-style-type: none"> 1st Floor 2nd Floor <ul style="list-style-type: none"> Office 1 Office 2 Reception Staff Room 	Qty	UOM	Classification	Name
	2.55	Hours	Manufacturing	Assemble case
	5.25	Hours		Assemble drawer
	0.518	Hours		Assemble top
	2.24	Hours		Attach hardware
	0.605	Hours		Edge band
	1.205	Hours		End bore
	4.363	Hours		Handling parts
	0.157	Hours		Line bore
	0.301	Hours		Panel layup
	1.599	Hours		Panel saw
	0.612	Hours		Router
	3	Hours	Site	Install cabinet
	0.25	Hours		Install counter
	10	Hours		Install moulding

Any comments are welcome for future enhancements.

Thank you

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