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Solution Papers

Summary: **Generating Takeoff for Log Walls**

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Overview: The following procedure below will step you through on how to get an accurate takeoff for Logs in SolidBuilder™. It is recommended that you go through the tutorial or the tutorial cds to get a better understanding of how SolidBuilder operates before going through this process.

Solution:

Setting up the Database:

1. Select **Database/Items & Assemblies**. This will open the **Items Database**. Anything you want to get a takeoff on has to be in this table.
2. So for Logs, you can keep them under the Wood Division. Double click on the Wood Division. Click on **Add Subdivision** at the bottom.
3. Type in an ID number (two digits). Type in a “*Description*” name such as “Logs” or you can be more descriptive and input the type of log(whatever you type in for the name will appear on the material list). Select “*nom_lum*” for Options and click okay. If you use three different types of logs, then you want three different subdivisions, each description naming the type of log. Now click on the new subdivision so it is highlighted and then click on **Add Item** from the bottom.
4. Now you can type in the sizes of the logs. For this example, we will use 6x8 logs. First type in an ID using only numbers and/or letters. Type in the “*Width*” (6”) and “*Depth*” (8”) and “*Length*” (1’). Using 1’ will allow you to get a takeoff in Lineal Footage so for “*Takeoff Unit*” select R/L (Random Length) and LF for “*Order Unit*”. If you want to order by piece then you need to input a new item for each different length you stock or order. You can also enter more sizes than just 6x8. After you got the sizes inputted, click on **Apply and then Close**.
5. Click on **Database/Framing Material Assign**. This will open another table where you need to assign a subdivision for your logs. Change the shell type to Wall using the pull down menu. Find the Member Name “*Log*” and click on the drop down to the right under “*Subdiv1*” heading and select “Logs” or whatever you named the new Subdivision in the Items database. Click **Okay**. This is where the program will look for the log material when you create the takeoff.

Drawing the Log Walls:

6. Now you can draw the log walls. Before you do this you might need to change some settings, click on **Options**. The “*Width*” of the wall is going to be the width of the log (7.5”) and the “*Height*” is the overall height of the log wall, so if you have 20 rows then you would type 110” or 9’2” (20x5.5”=110”). Click on Settings button. There are log settings that you may need to change. Click on the Log tab and type in 5.5” for the “*Thickness*” and 5.5” for the “*Center-to-Center*”. You can also start with whole logs at the bottom of the wall by checking that setting. Click OK when finished. You can also click on Reports to assign assemblies to the log walls. Assemblies would include any other material or labor items that you want to include in your takeoff besides the actual logs. (See section on database in your manuals for more information on assemblies)
7. After you have the walls drawn and you want the logs to alternate, then you need to select **Modify/Description**. Select the walls you want to start with half logs and then right click and select Finished. Click on the Logs and uncheck “*Whole log at bottom*” so then it will start with half logs.

8. Then you can frame the walls to see the actual logs.

After you frame the walls, you can run the Quantity Report to get the takeoff. If the Quantity Check Notes say that the log size could not be found then you need to check the database or the size of the actual logs that were drawn.