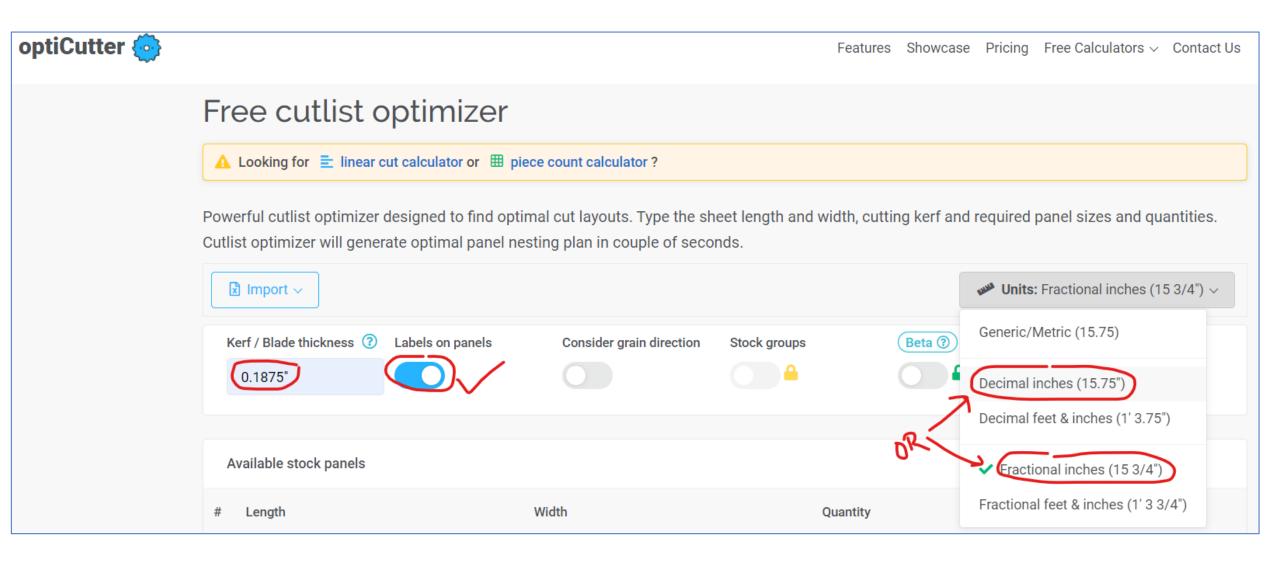## Opticutter:

➢ Going forward we have to create the nesting BOM for all floor parts that have a **1/4" thickness.**

➢ For that, we can use "Opticutter" which is a free tool & you can use the below link.

➢ Link: **https://www.opticutter.com/cut-list-optimizer#form**
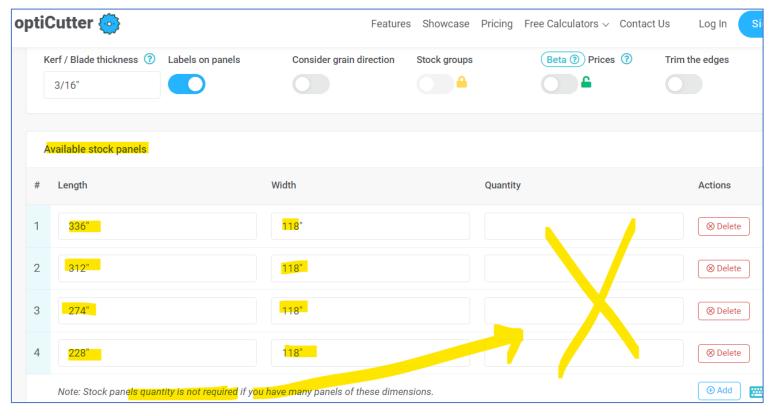
➢ Refer to the next slide for the setting.

- Kerf thickness should be 0.1875" (3/16").
- Select the "Labels on panels" option.
- Select the unit Decimal inches or Fractional inches.

➢ All four sizes of raw materials (given in the below snap) should be used for the calculation.

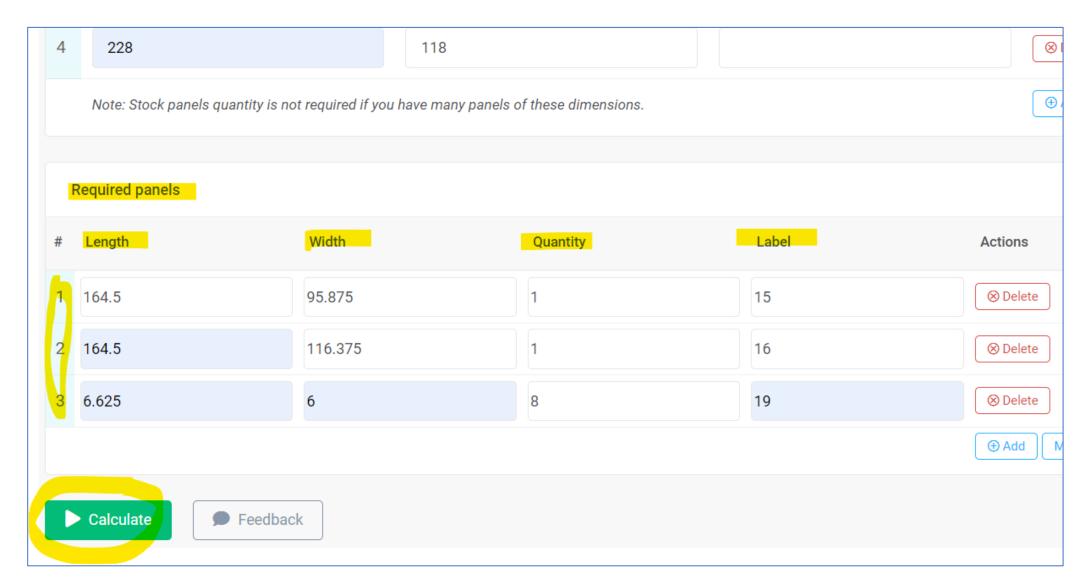| Part	Description
804-05139	Plate 1/4" x 120" x 338" Long
804-05140	Plate 1/4" x 120" x 314" Long
804-05141	Plate 1/4" x 120" x 276" (23' 0") Long
804-05142	Plate 1/4" x 120" x 230" Long

➢ Actual size of raw materials should not be used, reduce 1" per side in length & width, and the remaining size only needs to be used in the tool as shown below.

➢ No need to provide the QTY details for raw materials.

- ➤ All parts that are 1/4" thick listed in the metal fab BOM need to be entered in the tool.
- ➤ We should refer to the part drawing for sizes.
- ➤ Refer below snap and the next slide for a sample.

ITEM#	PART#	LEGEND	ITEM NO	DESCRIPTION	QTY.	THICKNESS
				STRUCTURAL STEEL		
1	1253147	A	1	W12x30	1	
				PLATE		
15	1253148			FLOOR PLATE	1	1/4"
16	1253150			FLOOR PLATE	1	1/4"
17	1001601			GROUNDING PAD,FOR #4/0 AWG	3	1"
18	1015168			CONNECTING PLATE	8	3/8"
19	1015166			CONNECTING PLATE	8	1/4"
20	1006294			FLOOR STIFFENER PLATE	32	1/2"
21	1057763			LIFTING LUG WELDMENT	12	-
22	1076991			LIFTING BRACKET ASSEMBLY	8	-
23	1272806			MOUNTING CLIP	4	3/8"
24	1293819			TIE PLATE	2	1/2"
				HARDWARE		
25	853-00522			BOLT, 3/4"-10 X 2 1/4" HEAVY HEX A490 PLAIN FINISH	40	-
26	855 00084			LOCKWASHER, 3/4" GRADE 8 PLAIN FINISH (USE WITH A490 BOLTS)	40	

- ➢ Provide the **Length, Width,** and **Qty** of all parts in the respective columns.
- ➢ Provide the **Item#** in the **Label** column.
- ➢ Extra rows need to be deleted and should have only the required rows.
- ➢ Run the calculation after filling in all required inputs.

4	228	118		⊗

Note: Stock panels quantity is not required if you have many panels of these dimensions.

⊕

Required panels

#	Length	Width	Quantity	Label	Actions
1	164.5	95.875	1	15	⊗ Delete
2	164.5	116.375	1	16	⊗ Delete
3	6.625	6	8	19	⊗ Delete

⊕ Add   M

▶ Calculate   💬 Feedback

- After running the tool, it will give the **required raw material qty with size**.
- Take the print and submit it to QC while submitting the nesting BOM for review. As all are manual entries, we need to verify all details while reviewing the nesting BOM. So print is a must.
- From the output, we need to create the nesting BOM in the Nesting summary sheet