

Pattern Design for T-shirt using REACH CAD



STEP 001

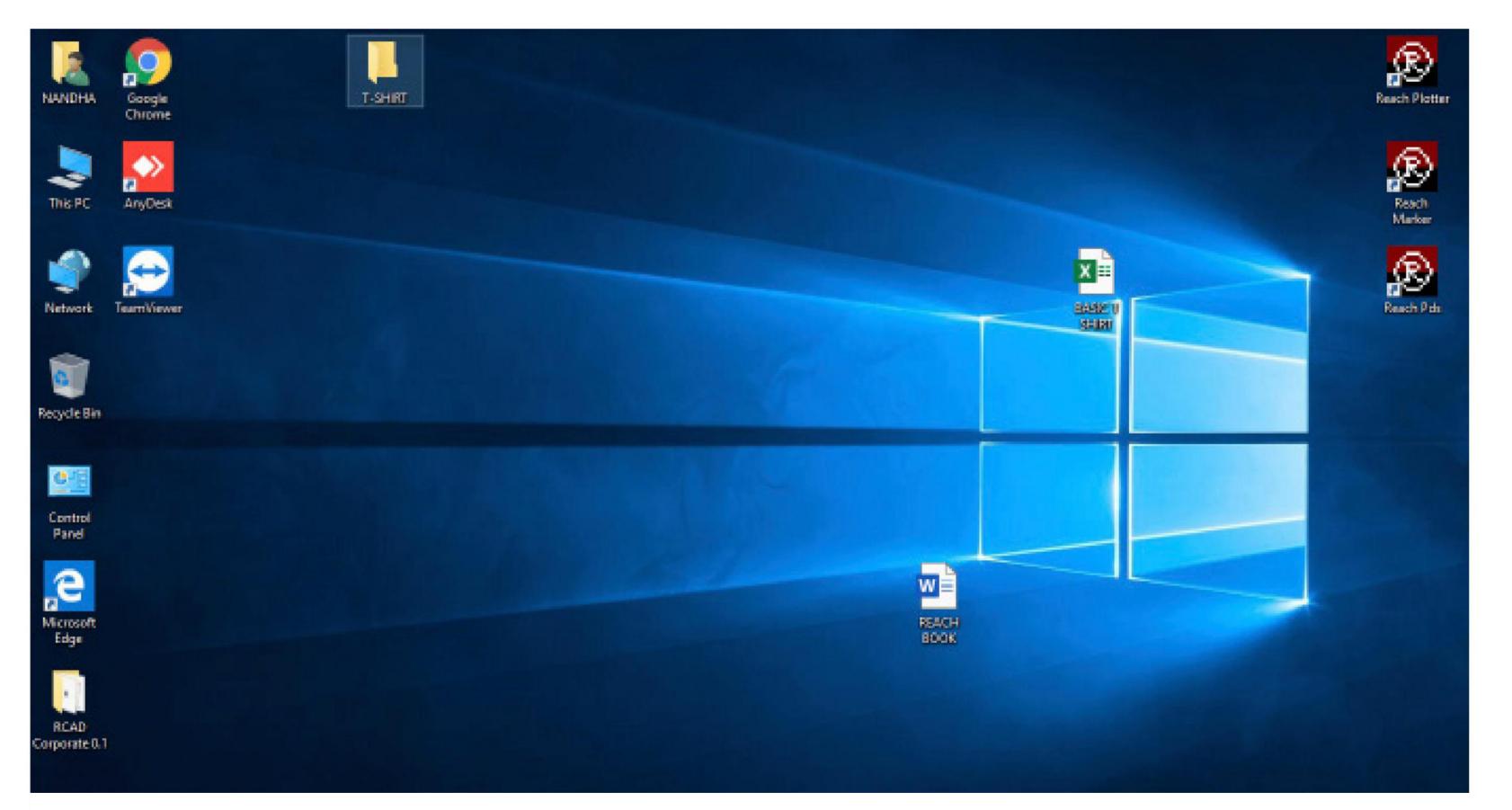
MEASUREMENTS OF BASIC ROUND NECK T-SHIRT

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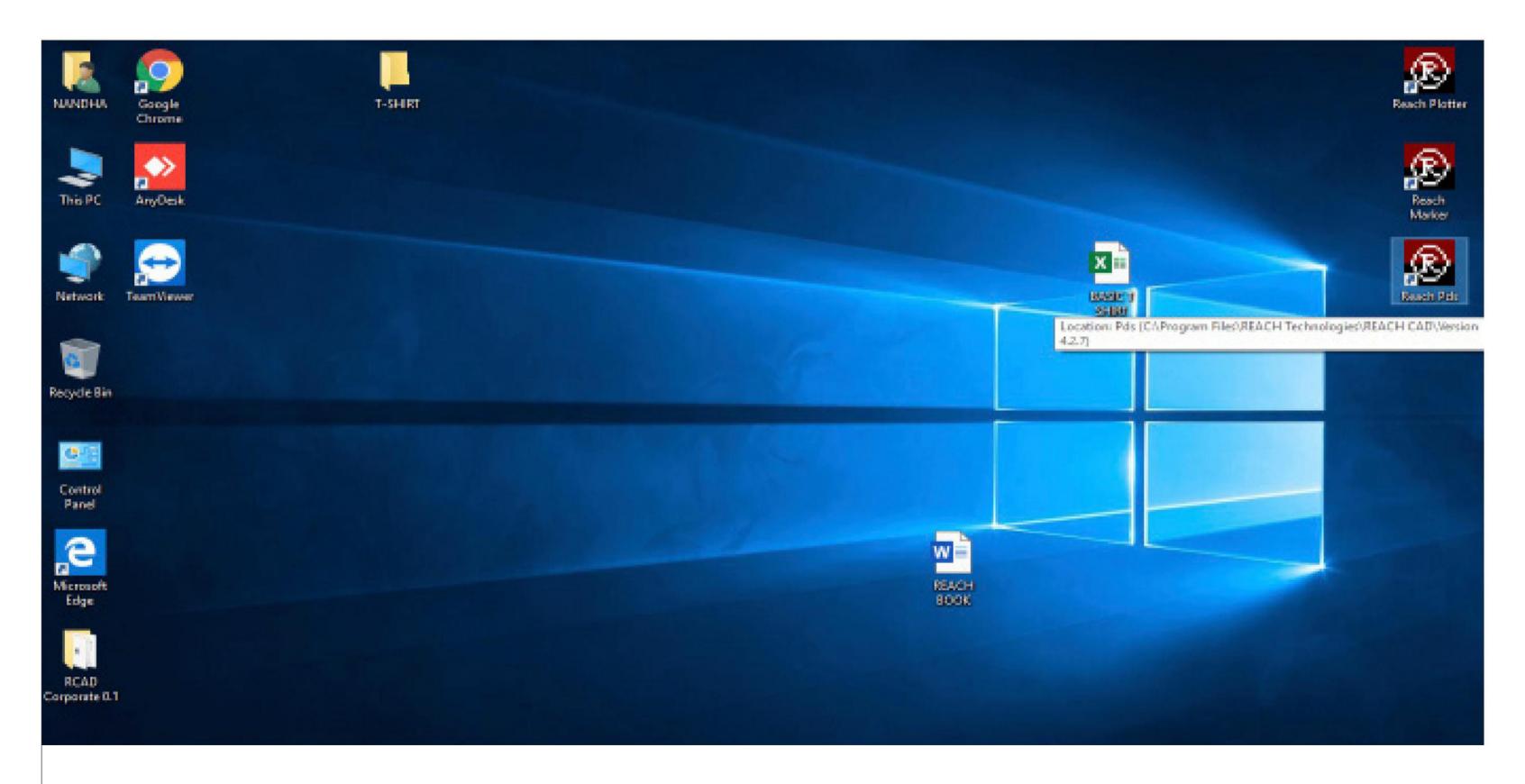
STEP-002 CREATE A NEW FOLDER AND NAME IT 'T-SHIRT'



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STEP-003 DOUBLE CLICK ON THE REACH PDS ICON.



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STEP-004 OPEN REACH PDS

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STEP-005 CLICK ON 'PIECE' MENU IN THE TOP LEFT CORNER.

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STEP-006 CLICK ON 'NEW' UNDER THE PIECE MENU.

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STEP-007 CLICK ON 'STYLE' IN THE BOTTOM RIGHT CORNER. IN THE CREATE STYLE DIALOG BOX CLICK 'YES'.

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STEP-008 SELECT THE T-SHIRT FOLDER FROM DESKTOP.

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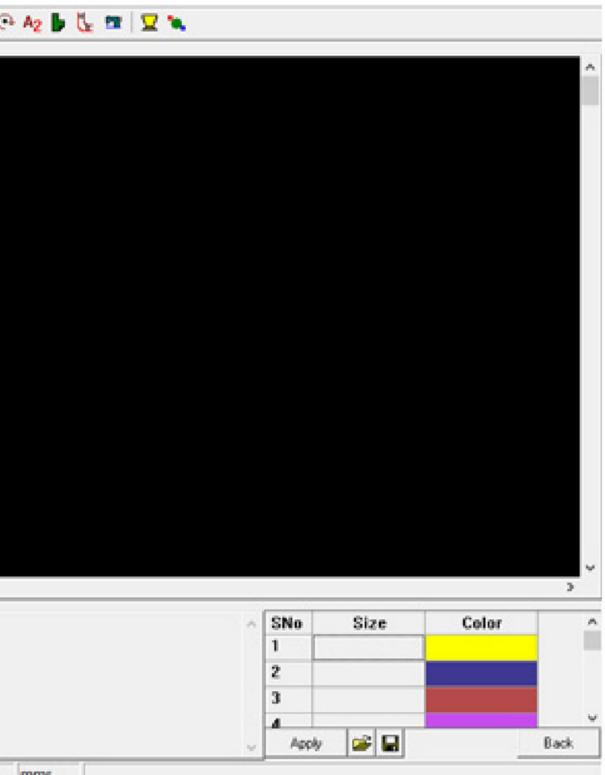


STEP-009 CLICK ON SETUP MENU AND THEN SELECT 'SIZE'.

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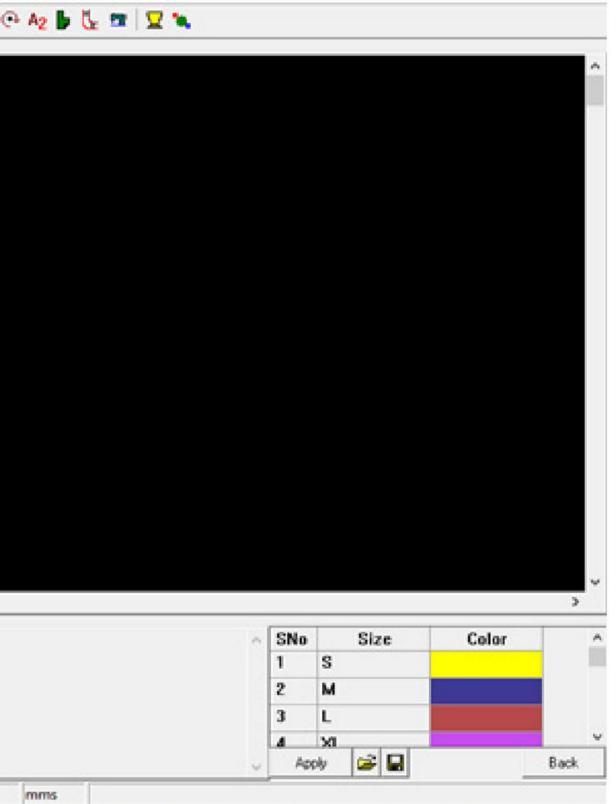


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STEP-010 SIZE TABLE IS CREATED IN THE BOTTOM RIGHT CORNER.

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STEP-011 SELECT 'UNIT' IN THE SETUP MENU AND THEN CLICK ON 'INCHES'.

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STEP-012 CLICK ON SETUP AND THEN SELECT 'STYLE'.

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STEP-013 IN THE BOTTOM RIGHT CORNER CHANGE THE BASE SIZE TO 'L'.

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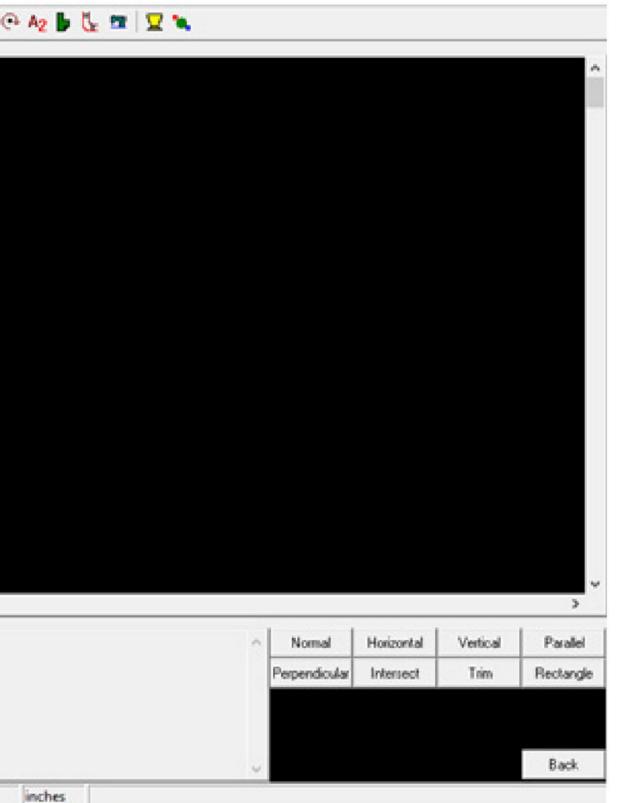


STEP-014

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STEP-016 CLICK ON TRACING LINE ON REACH PDS OPEN

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STEP-017 ZOOM ON TO THE TOP NECK CORNER POINT

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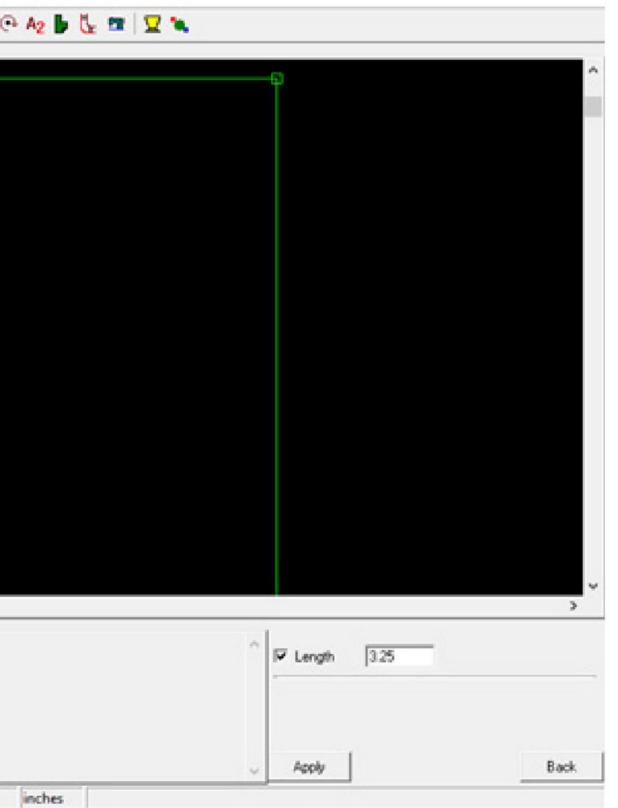
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STEP-018 CLICK ON 'DRAW LINE' AND CLICK ON HORIZONTAL LINE.

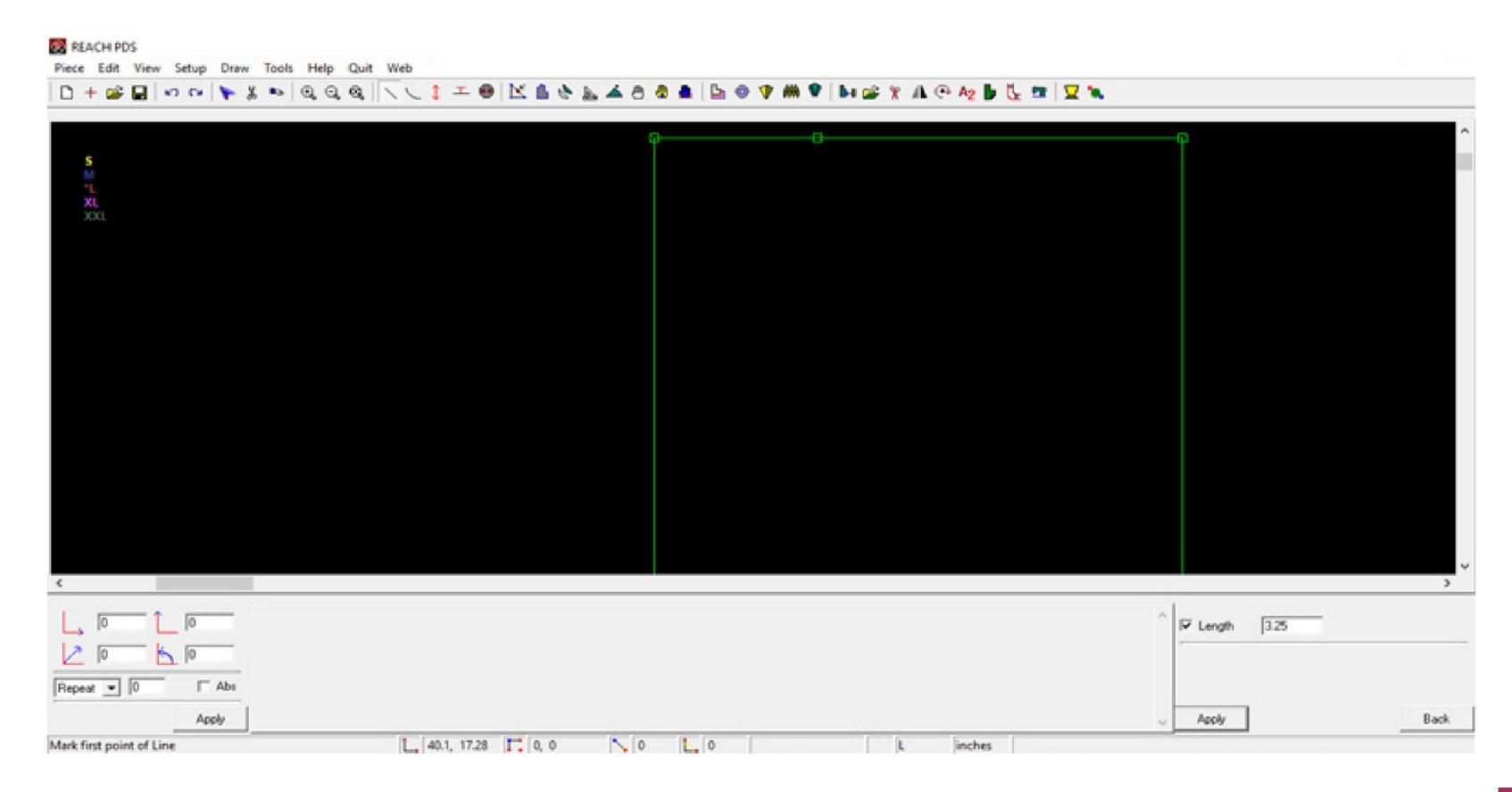
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STEP-019 APPLY ON POINT NECK WIDTH OF MEASUREMENT



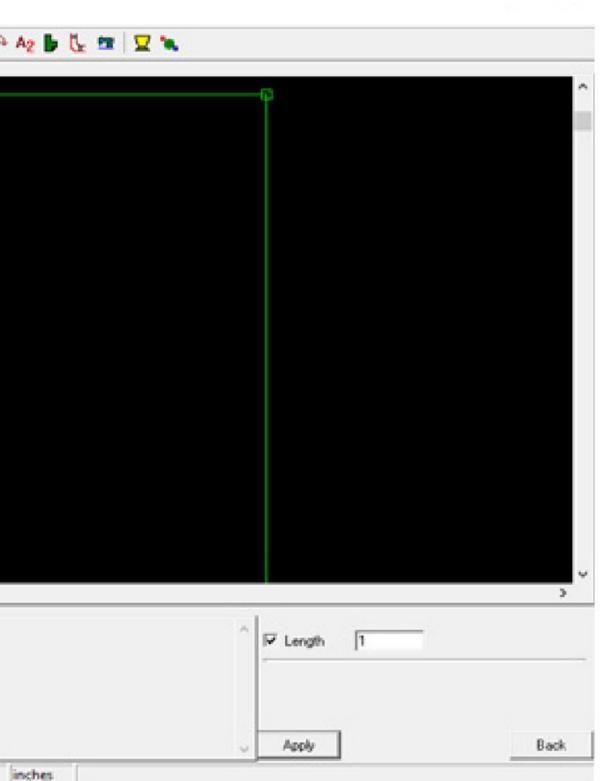
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STEP-020 CLICK ON THE VERTICAL LINE AND APPLY THE BACK NECK MEASUREMENT

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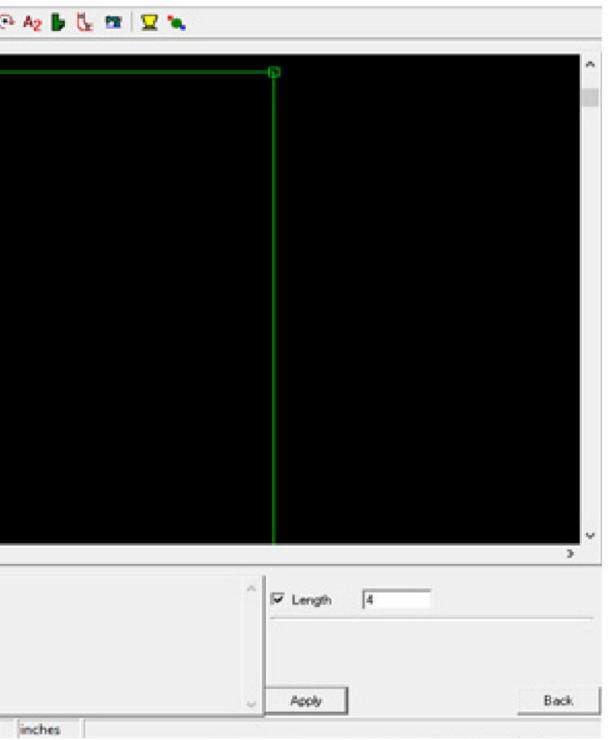




STEP-021 NEXT, TO MAKE THE FRONT NECK DROP, CLICK ON THE VERTICAL LINE AND APPLY MEASUREMENTS

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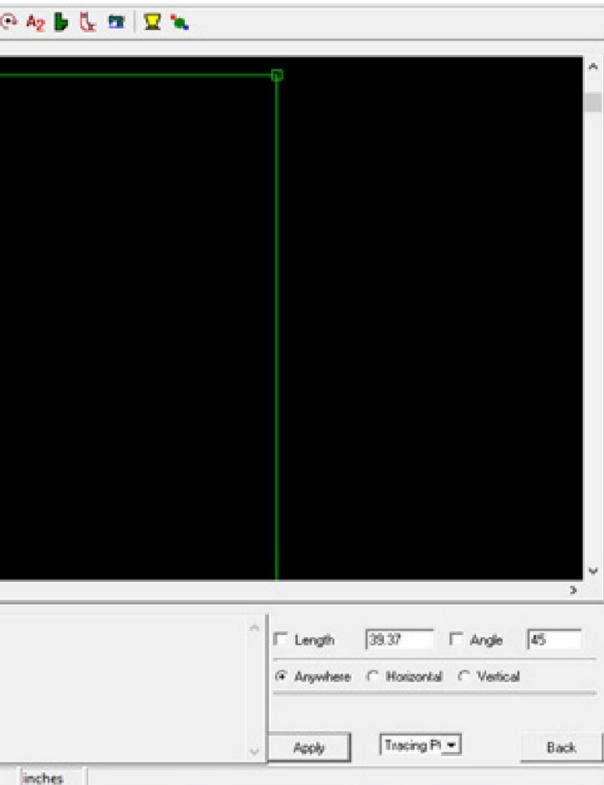




STEP-022 SELECT THE CURVE LINES DRAWN AND THEN SELECT 4 BEZIER POINTS AND DRAW BACK NECK.

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STEP-023 CLICK ON THE SAME 4 BEZIER POINTS AND DRAW THE FRONT NECK DROP.

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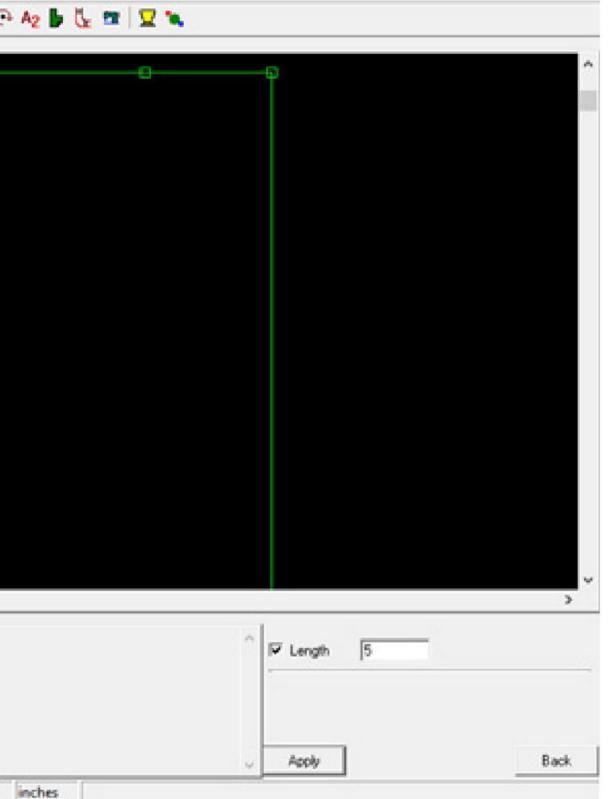
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STEP-024 APPLY THE SHOULDER MEASUREMENTS ON THE HORIZONTAL LINE.

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STEP-025 APPLY THE SHOULDER DROP MEASUREMENT ON THE VERTICAL LINE

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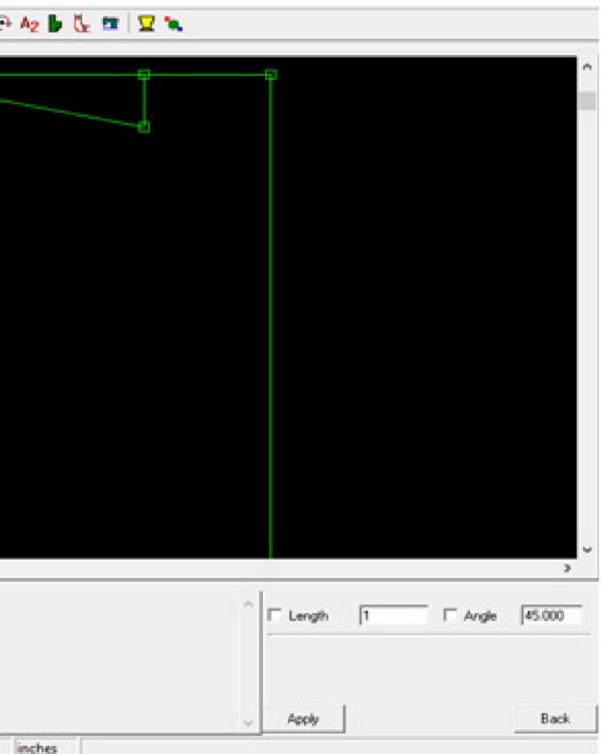


STEP-026

SELECT THE NORMAL LINE AND JOIN NECK POINT TO THE DROPPED SHOULDER POINT

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STEP-027

SELECT THE NORMAL LINE AND APPLY $^{1\!/_{\!2}}$ ARMHOLE MEASUREMENT

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STEP-028 DRAW CURVE LINES AND 4 POINT BEZIER AND OBTAIN THE ARMHOLE SHAPE

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STEP-029 GO TO SELECT TOOL BAR SELECTION TRACING AREA YELLOW LINES

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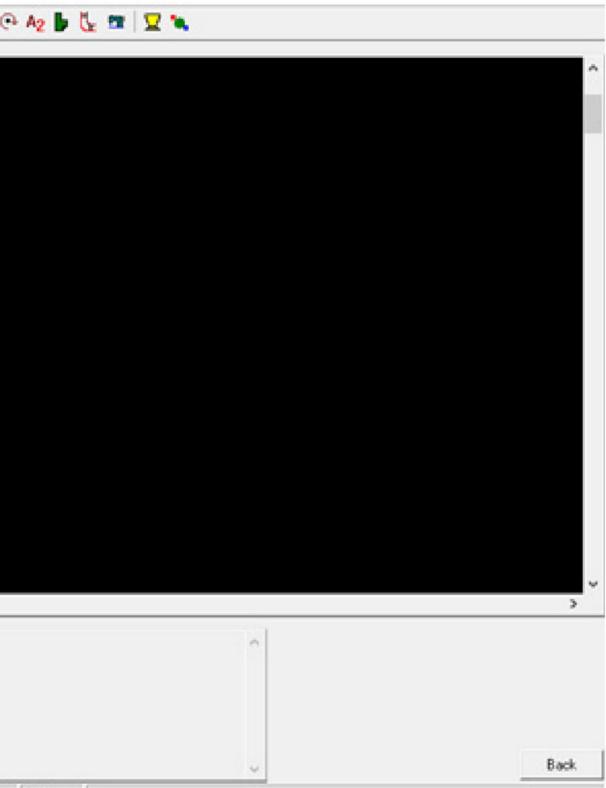


STEP-030 Delete the selection tool and cut all the yellow lines.

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STEP-03 I go to normal line and join front neck, back neck to bottom line

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Mark first point of Line	L, 60.43, 21.91 T. 0, 0	0 📐 89.85	L inches		

REACH Technologies



STEP-032

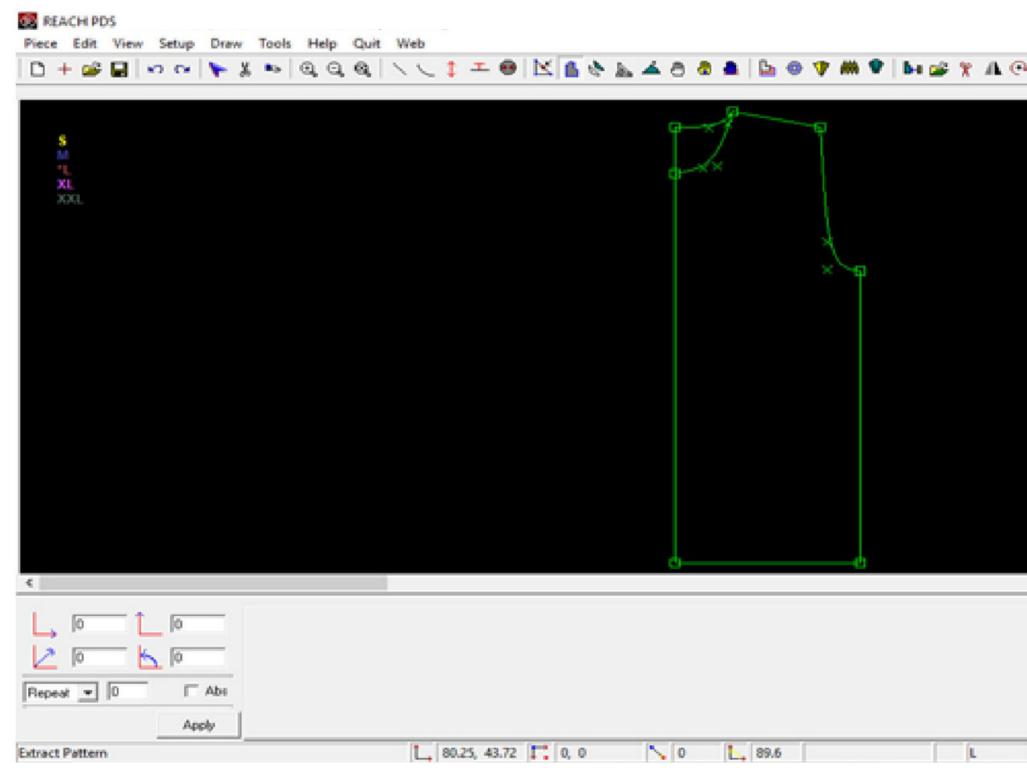
GO TO NORMAL LINE AND JOIN THE LOWER ARMHOLE POINT TO THE BOTTOM POINT.

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Apply	L 58.31, 29.89 C 0, 0 L 89.6	inches Back

REACH Technologies



STEP-033 CLICK ON EXTRACT PATTERN TOOL AND ON RIGHT SIDE SELECT LARGEST AND APPLY.



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STEP-034

WRITE THE NAME 'BACK CT-I' AND CLICK ON APPLY. THE BACK NECK DROP AND SHOW ON YELLOW LINES CREATE THE PATTERN.

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		Name BACK CT-1
Repeat		Extract All Sizes
Repeat 0 F Abs Apply		Apply Back
Ready	L 37.97, 15.24 C 0, 0 L 89.6 L inches	

REACH Technologies



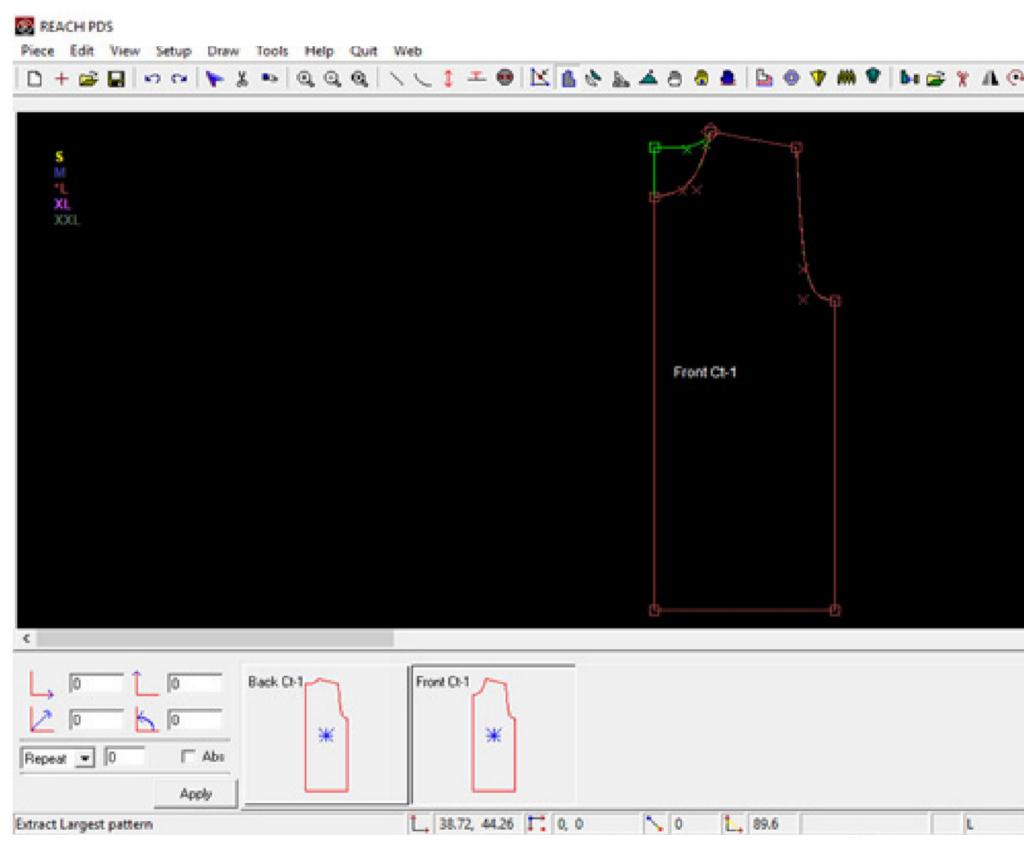
STEP-035 WITH ONE CLICK PATTERN IS CREATED ON THE BACK

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	Back Ct-1	
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Extract Largest pattern	L. 35.78, 36.89 T. 0, 0 L. 89.6 L inches	

REACH Technologies



GO TO SAME BOX IN THE CORNER AND CHANGE THE NAME TO 'FRONT CT-I' START ON FRONT NECK DROP SINGLE CLICK

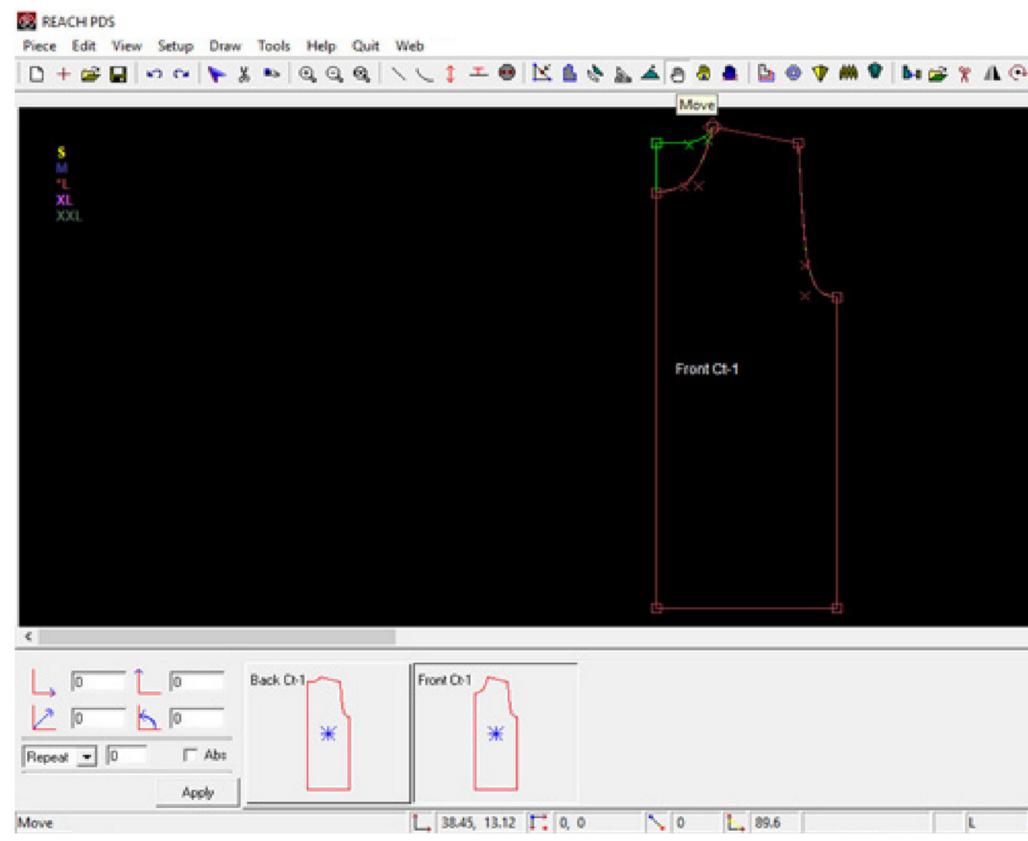


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STEP-037 GO TO MOVE TOOL AND CLICK ON 'SEE RIGHT SIDE'

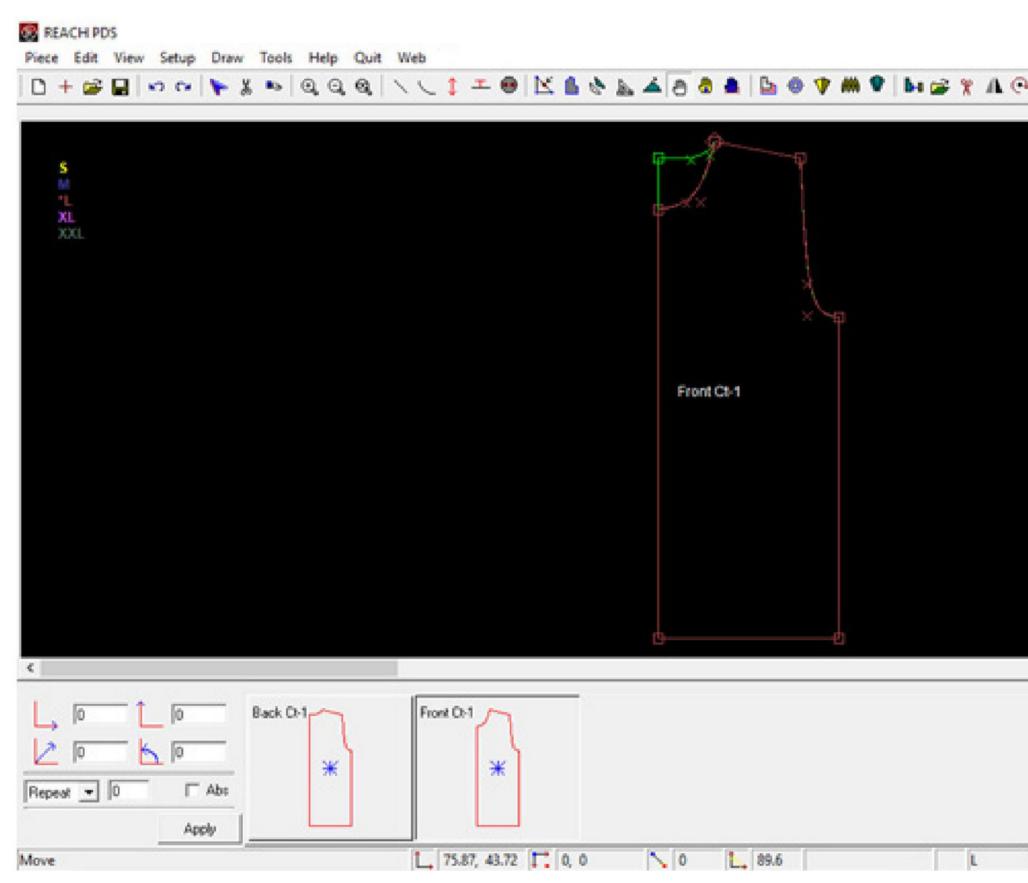


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STEP-038 CLICK AND APPLY PATTERN ANYWHERE.

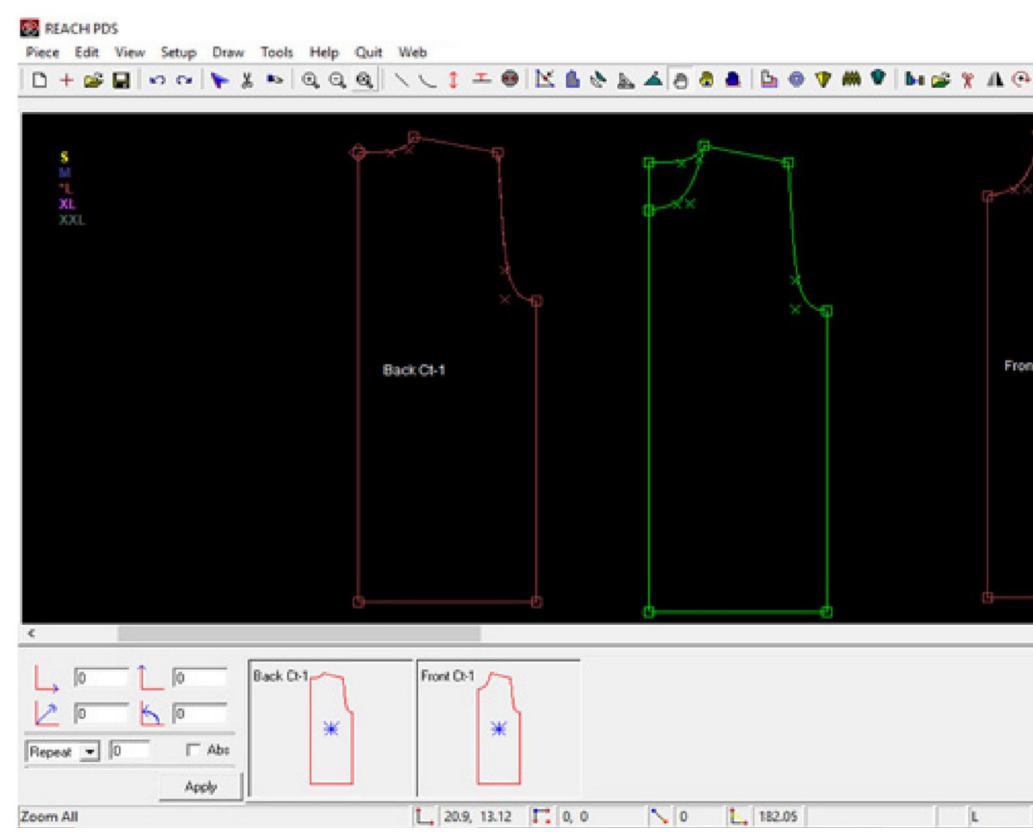


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STEP-039 MOVE TO FRONT AND BACK PATTERN SAVE

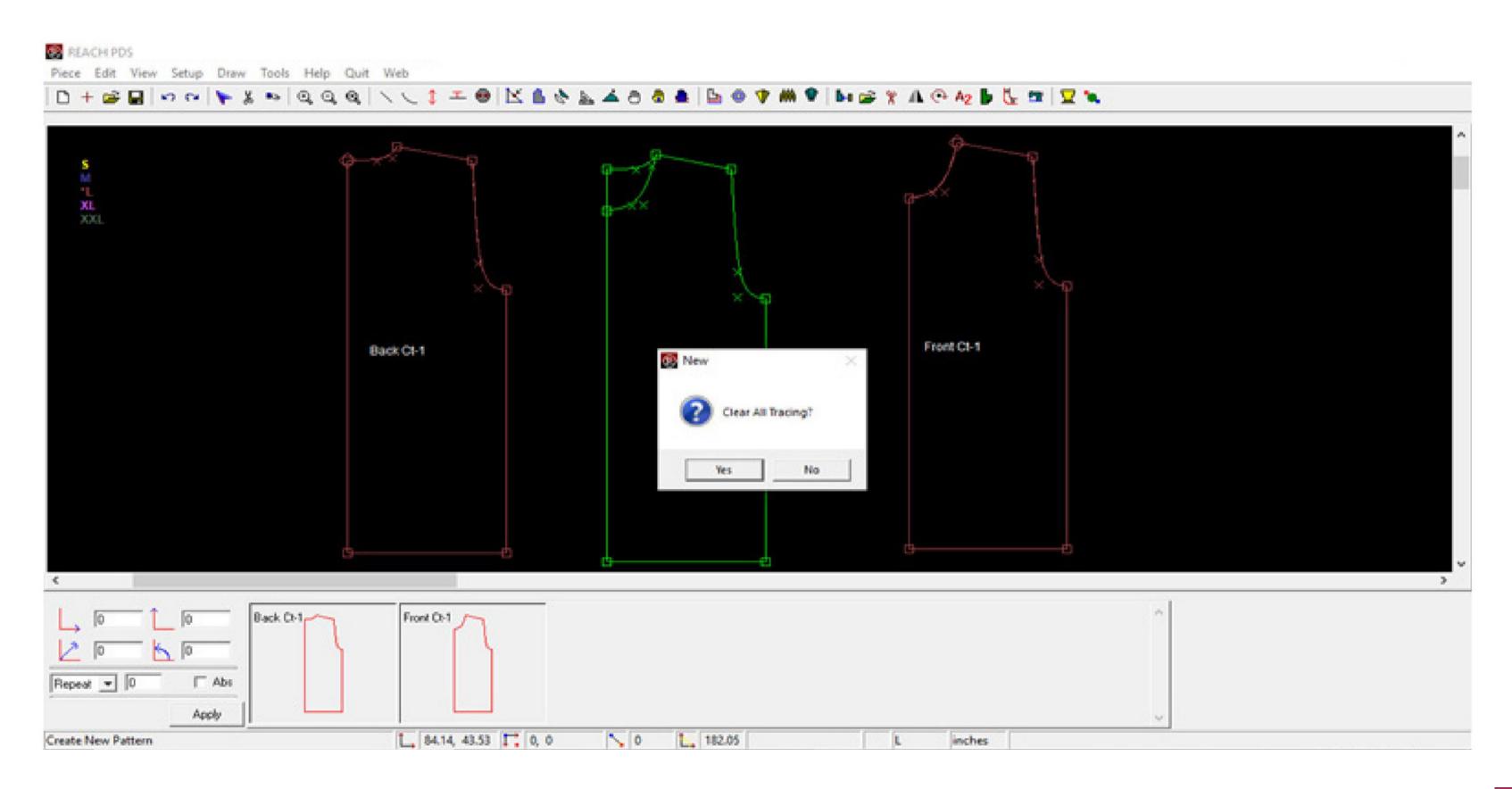


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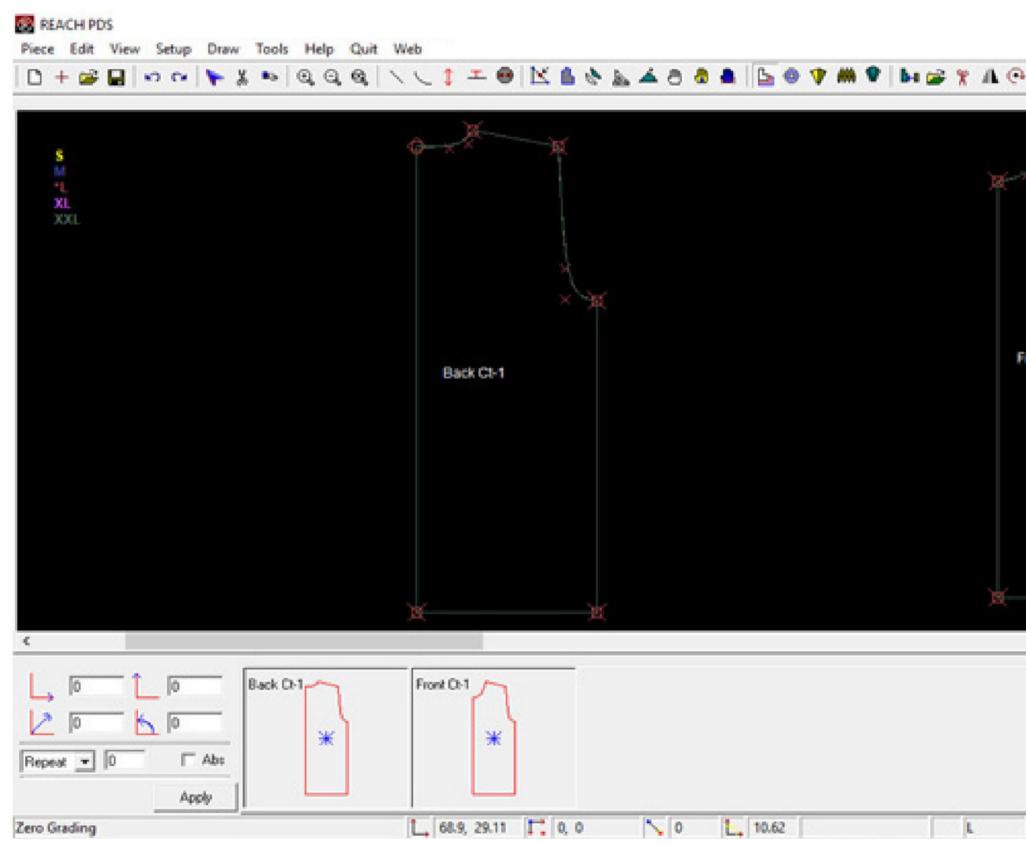
GO TO PIECE TOOL AND NEW CLICK RIGHT SIDE TRACING CLICK TRACING ALL CLEAR YES APPLY



REACH Technologies



STEP-041 NEXT GO TO GRAD PATTERN TOOL AND CANCEL ALL GRADING POINTS.

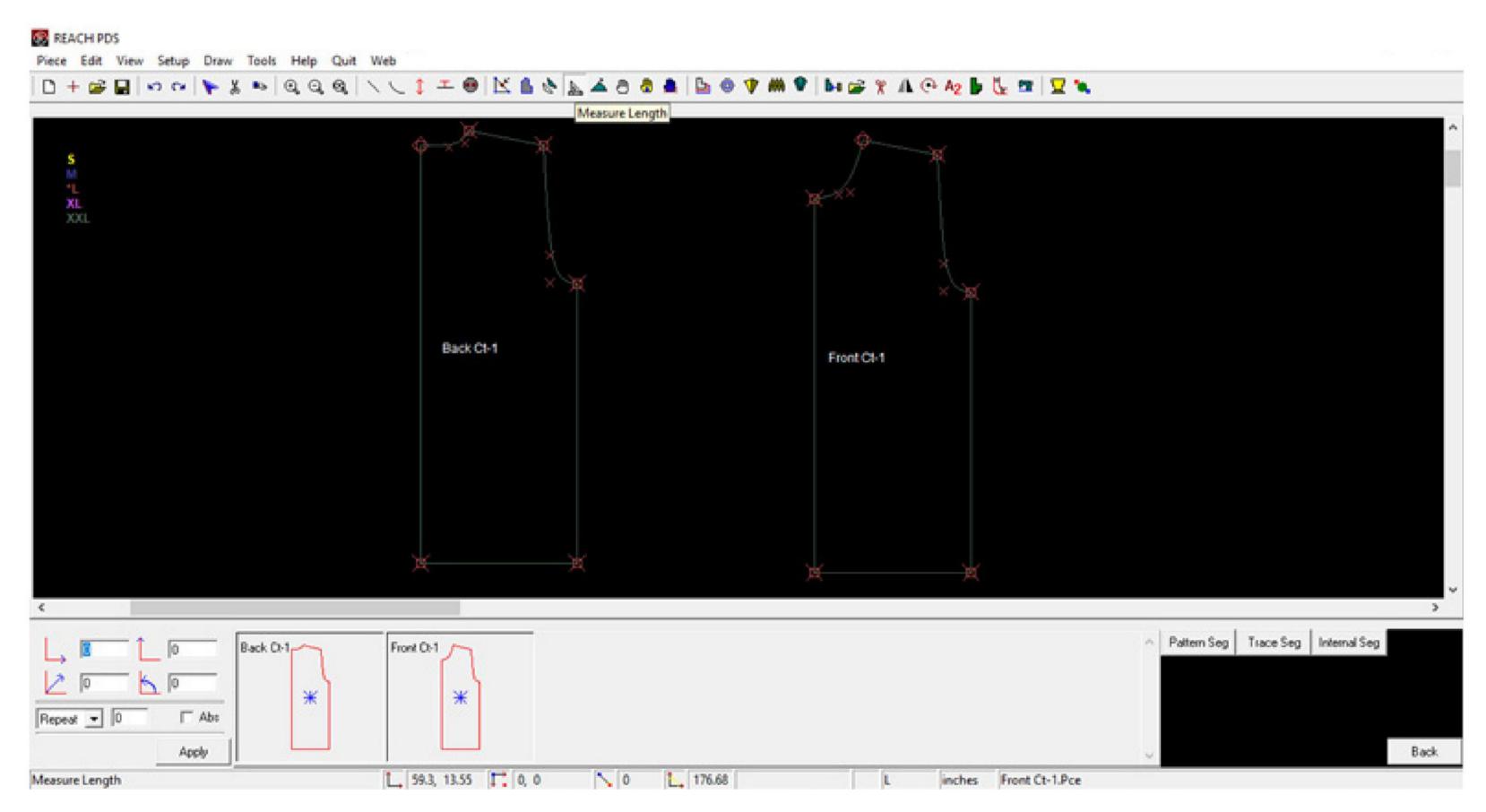


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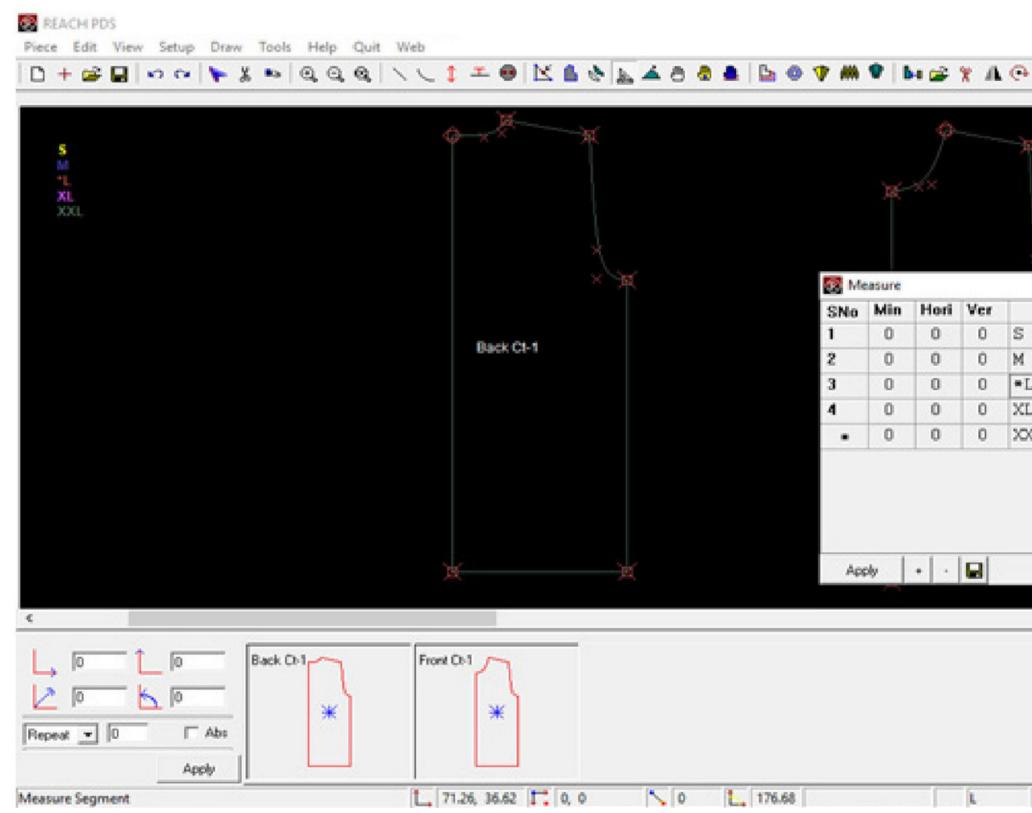
STEP-042 ON NEXT SLEEVE PATTERN CLICK ON MEASURE TOOL.



REACH Technologies



IN THE BOTTOM RIGHT CORNER, SELECT 'PATTERN SEG'

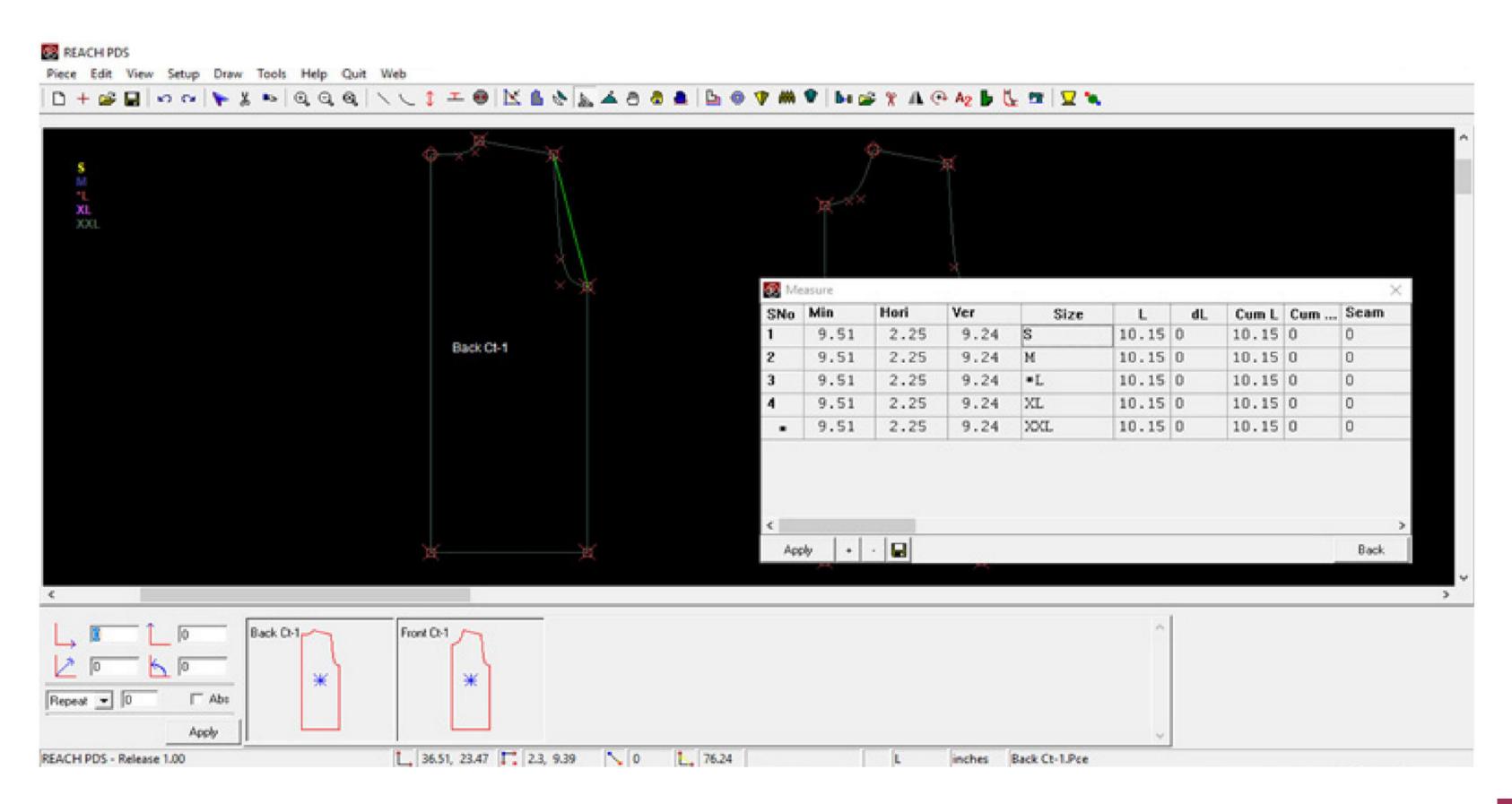


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ON EITHER OF THE PIECES, CLICK ON SHOULDER POINT AND THEN ON ARMHOLE POINT TO MEASURE THE DISTANCE BETWEEN THEM.



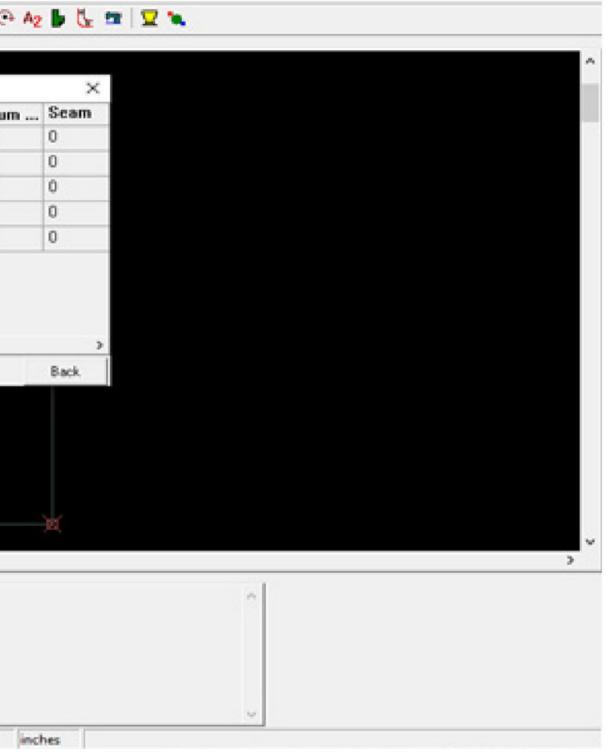
REACH Technologies



ARMHOLE MEASUREMENT IS 10.15 INCHES. NOTE THIS MEASUREMENT.

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REACH Technologies





CLICK ON DRAW LINES AND GO TO RECTANGLE. APPLY THE ARMHOLE MEASUREMENT AND LENGTH MEASURE APPLY OPEN THE BOX

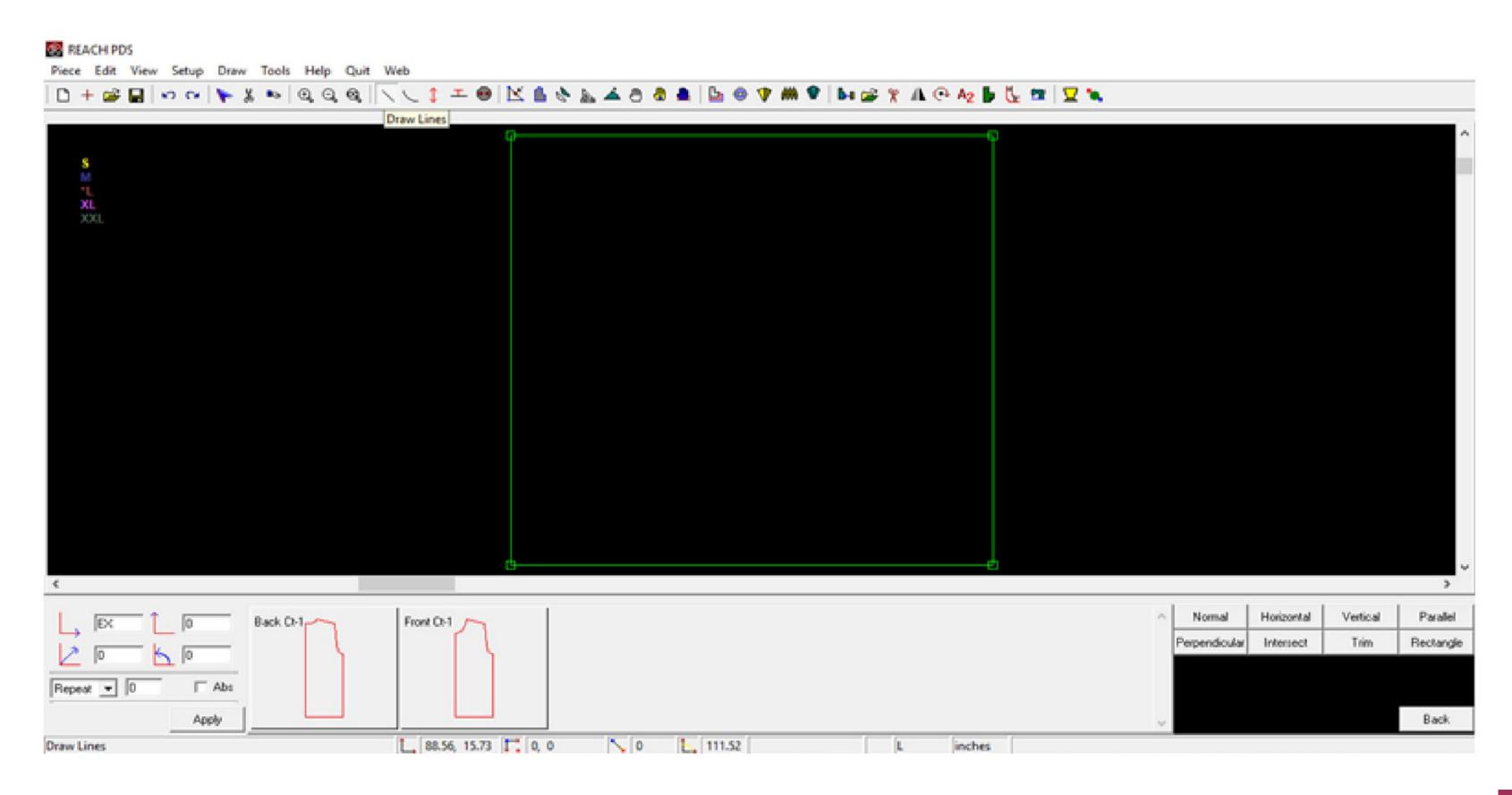
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STEP-047 Next, click on draw line.



REACH Technologies



STEP-048 CLICK ON THE VERTICAL LINE AND APPLY A MEASUREMENT OF 3 INCHES IN THE BOTTOM RIGHT CORNER.

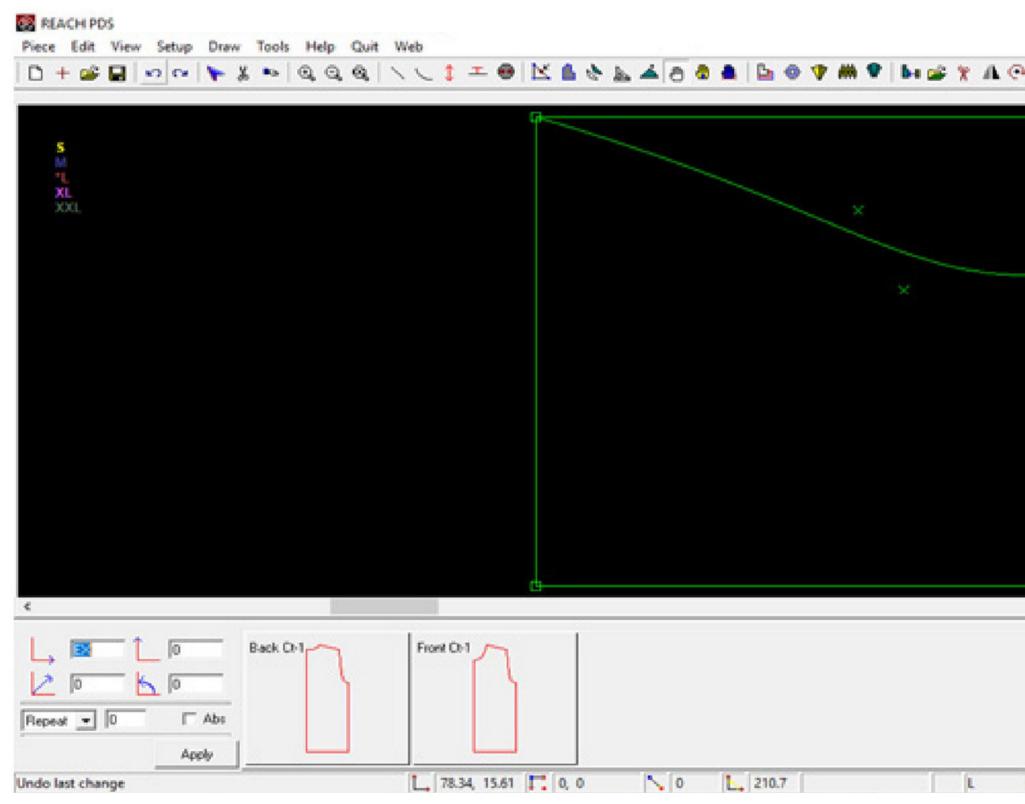
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GO TO DRAW CURVE LINE AND CLICK ON 4 POINT BEZIER. APPLY CENTER POINT TO DROP POINT SHAPE CURVE

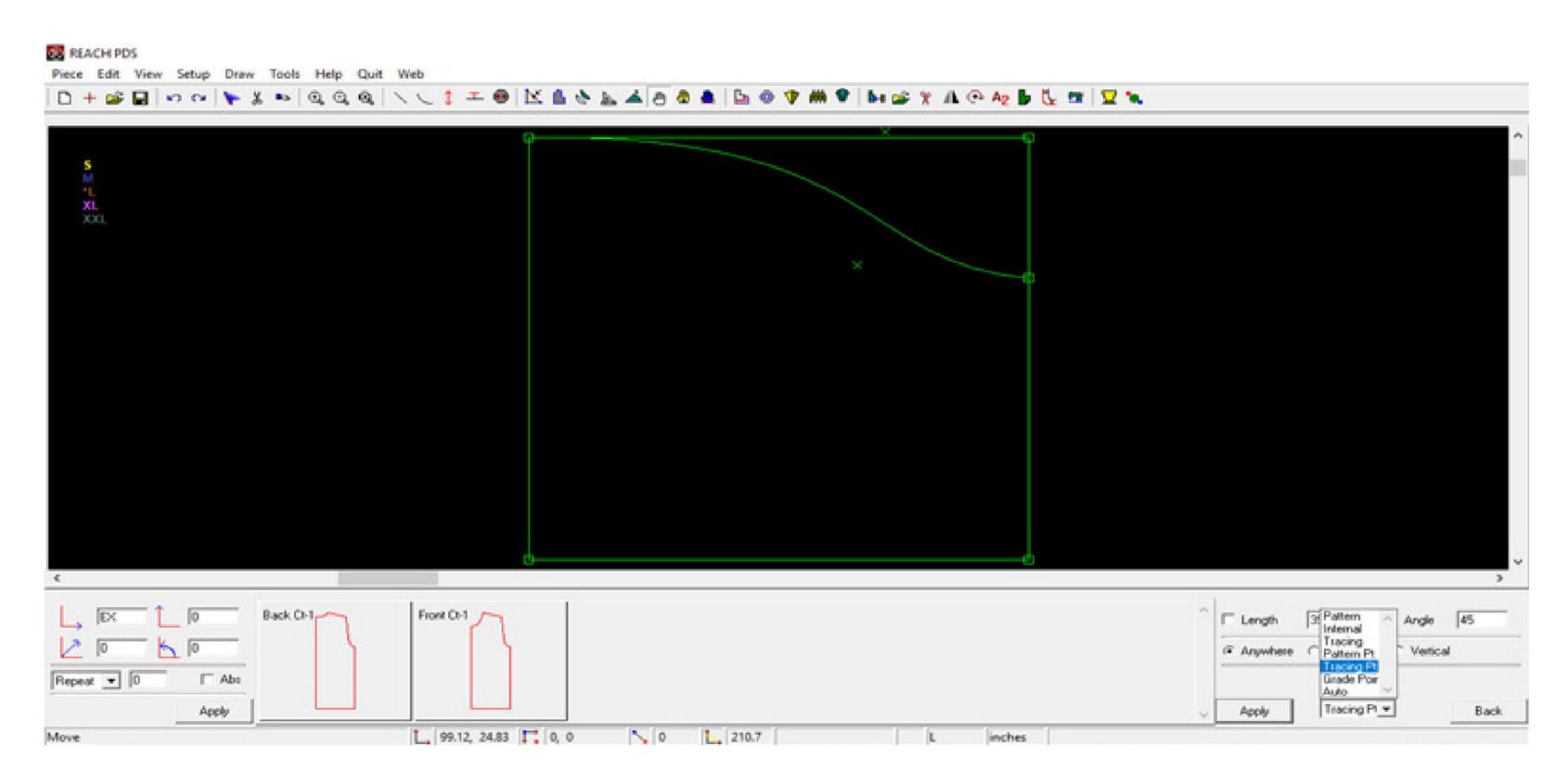


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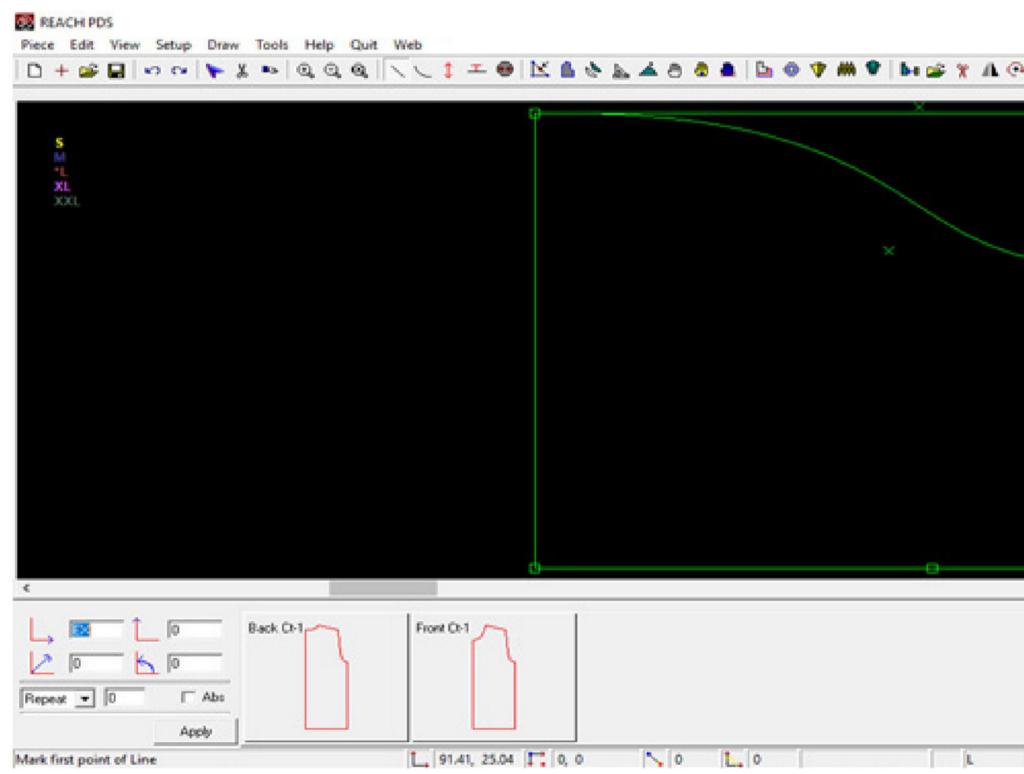
IN THE RIGHT-SIDE BOX, CLICK ON THE MOVE TOOL AND CHANGE TO 'TRACING POINT' AND CLICK ON APPLY.



REACH Technologies



CLICK ON DRAW LINE THEN SELECT HORIZONTAL. APPLY THE MEASURE SLEEVE OPEN MEASUREMENT LEFT SIDE POINT



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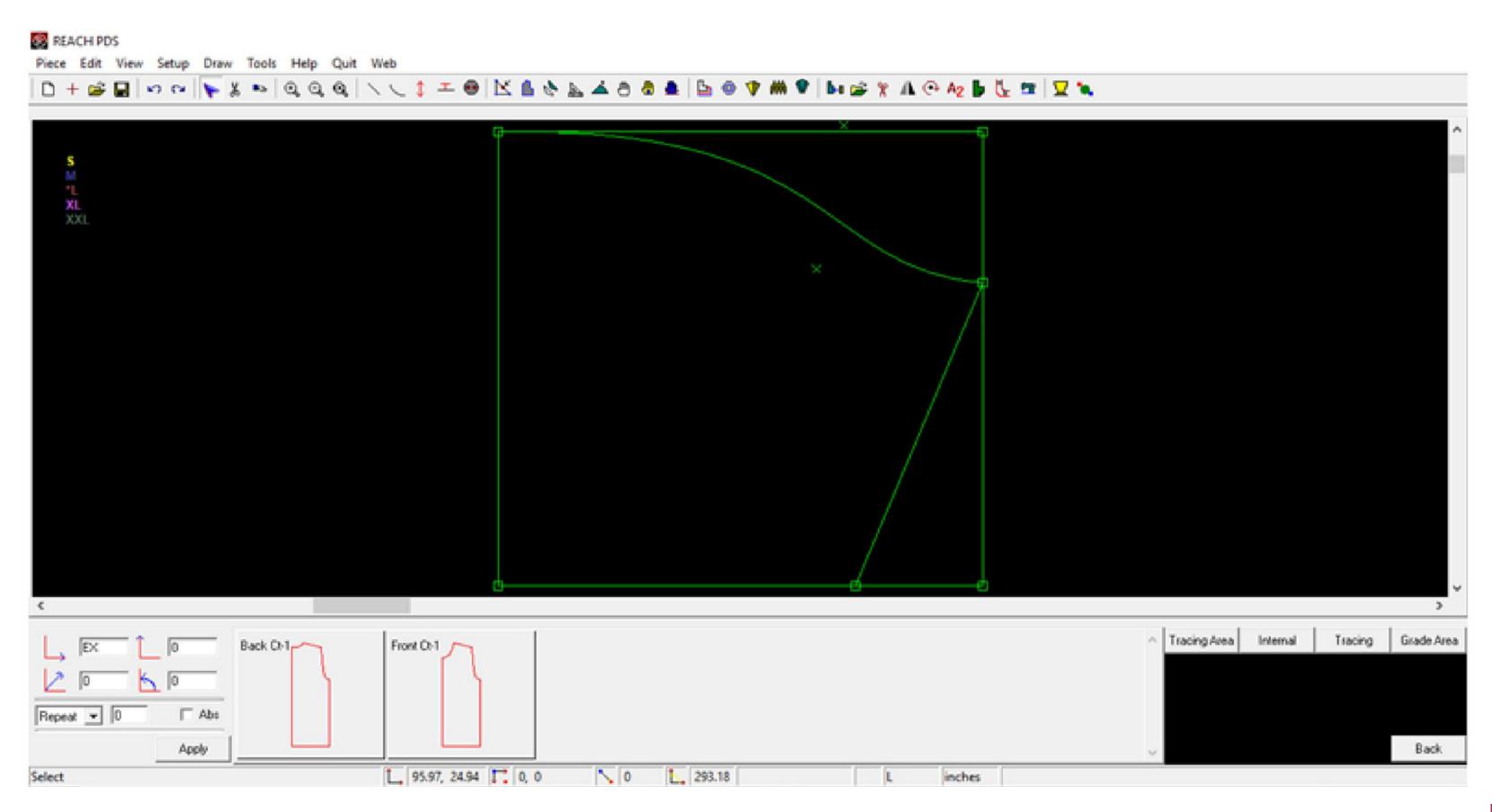
STEP-052 GO TO NORMAL LINE AND JOIN THE ARMHOLE POINT TO SLEEVE OPEN POINT.

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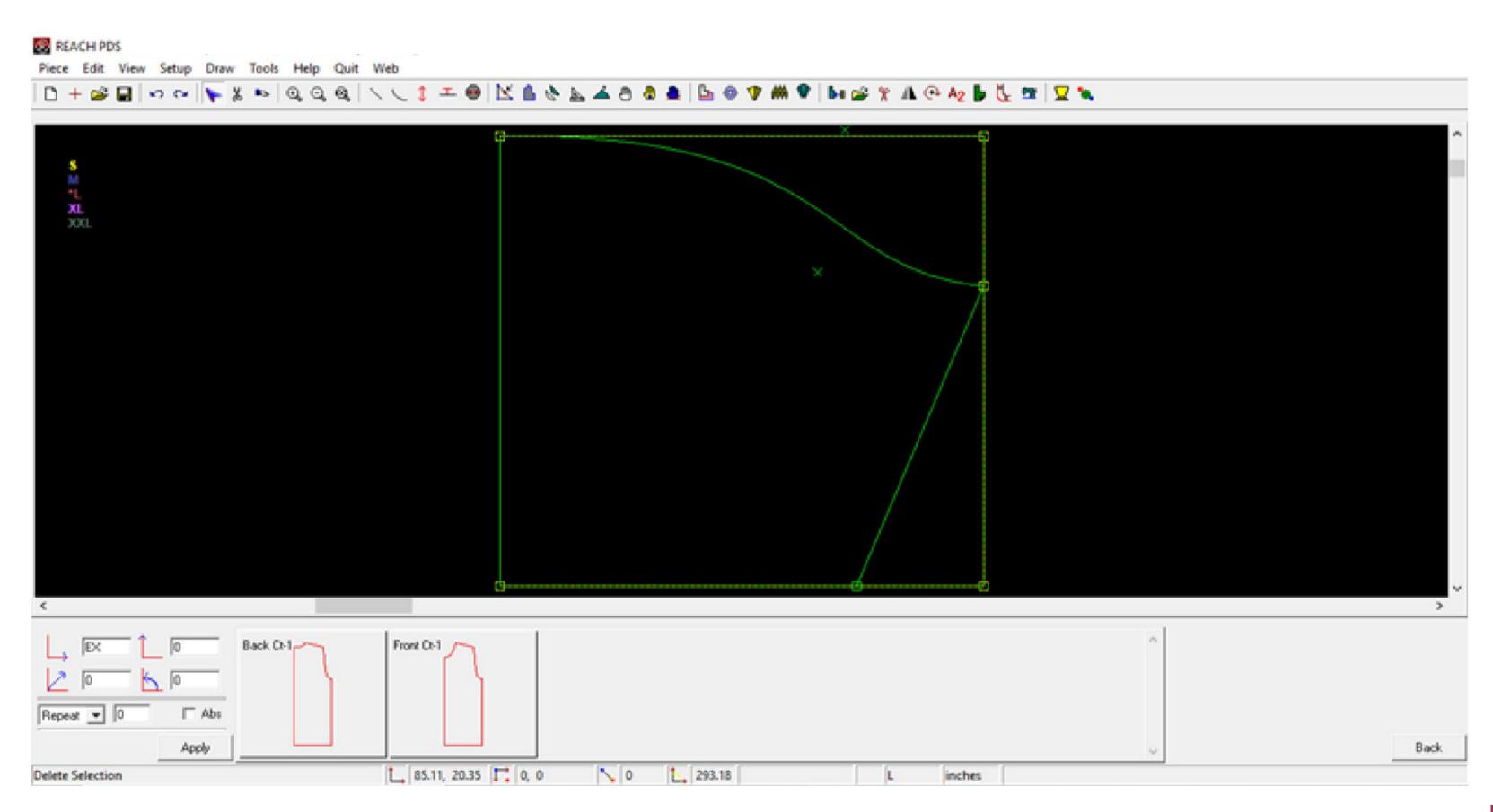
STEP-054 GO TO SELECTION TOOL AND CLICK ON TRACING AREA



REACH Technologies



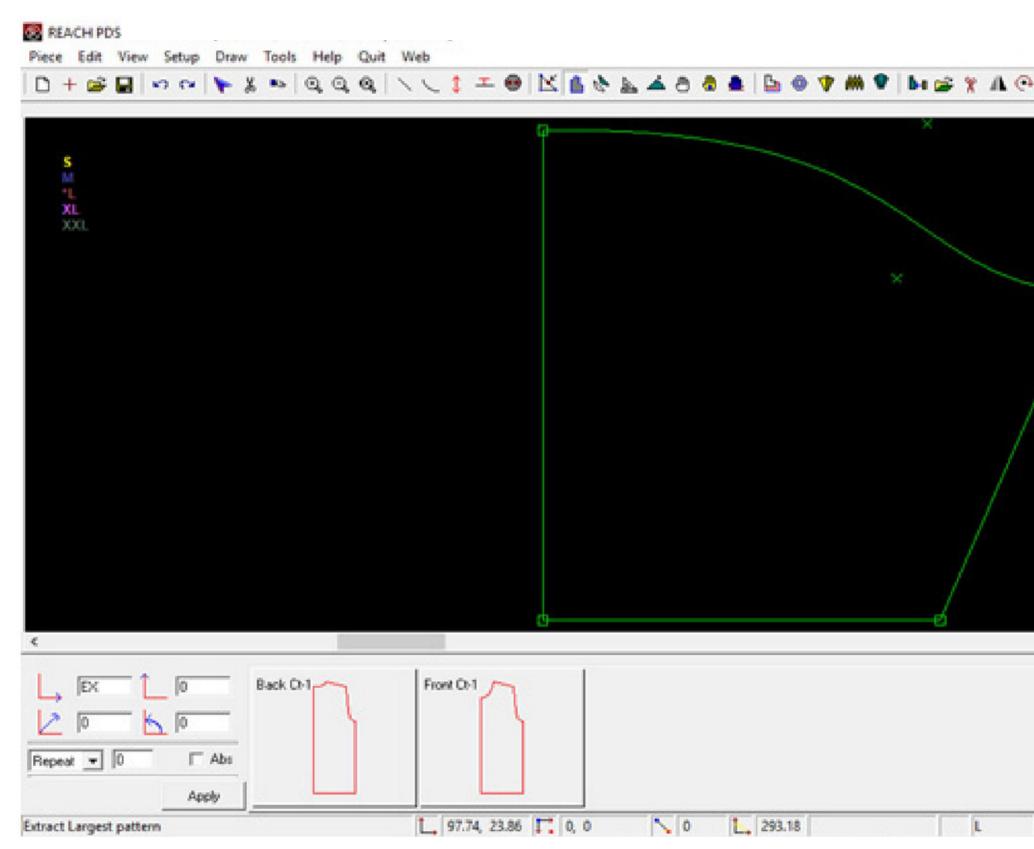
STEP-055 SELECT THE YELLOW TRACING LINES



REACH Technologies



STEP-057 GO TO EXTRACT PATTERN AND CLICK ON 'NEXT LARGEST'. CHANGE THE NAME TO 'SLEEVE CT-2' AND CLICK ON APPLY

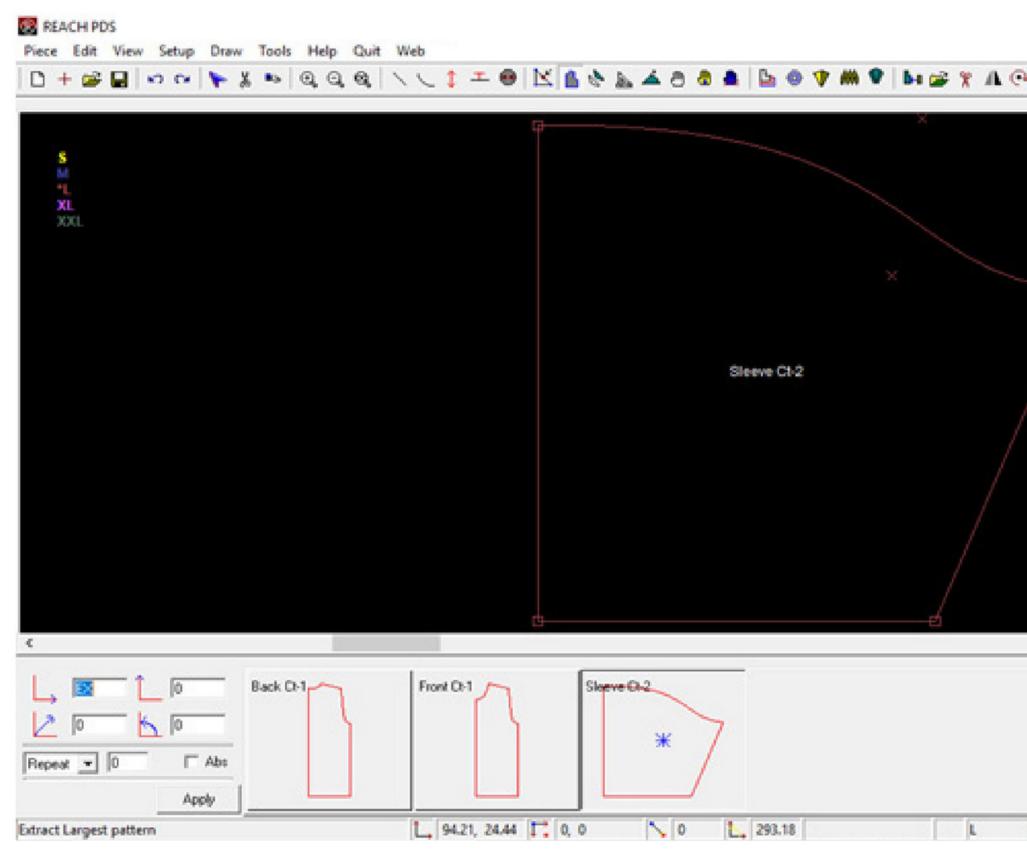


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STEP-058 CLICK ON THE TRACING LINE AND CREATE THE SLEEVE PATTERN



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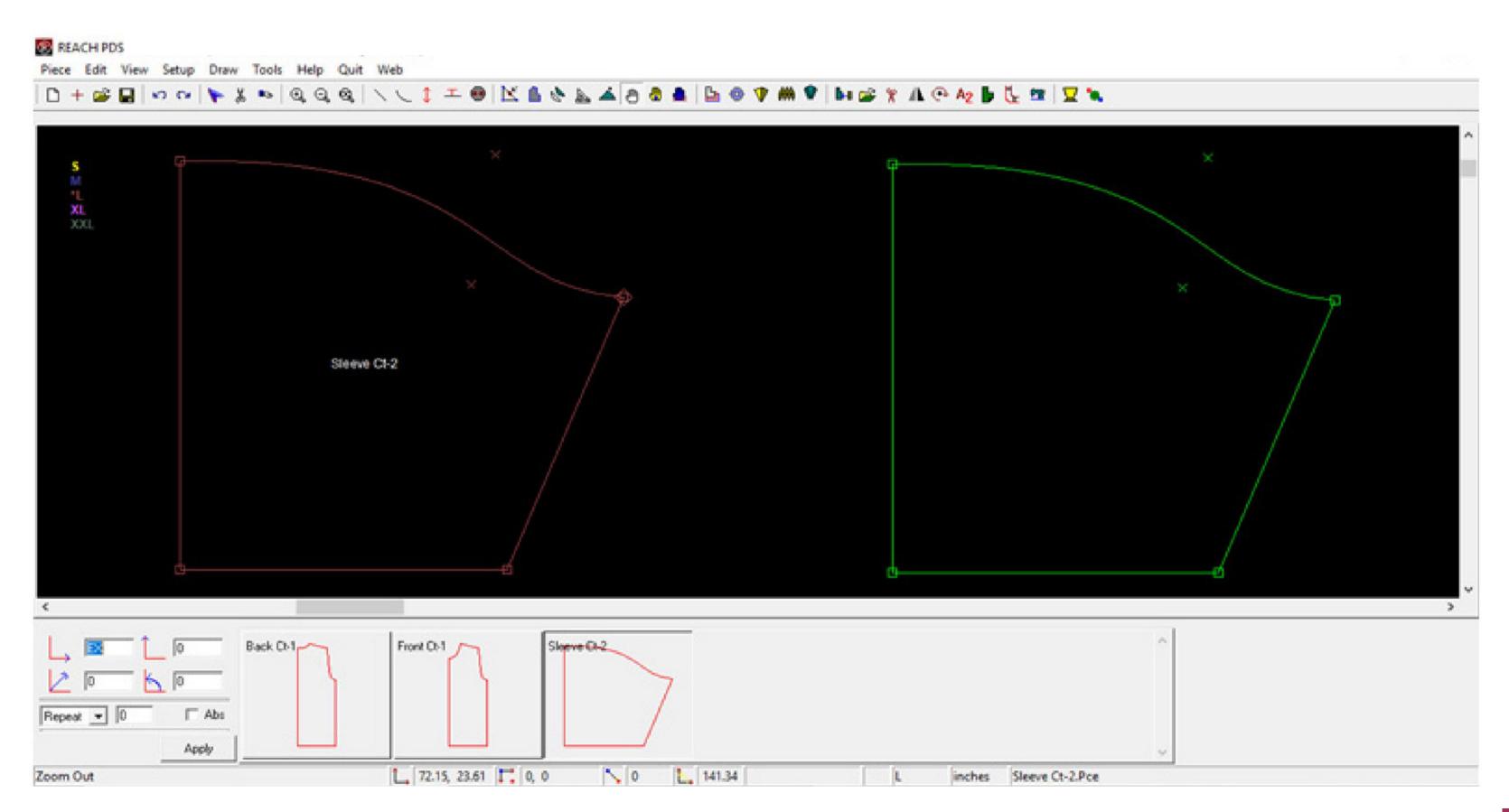
STEP-060 GO TO MOVE TOOL AND SELECT THE PATTERN AND CLICK ON APPLY.

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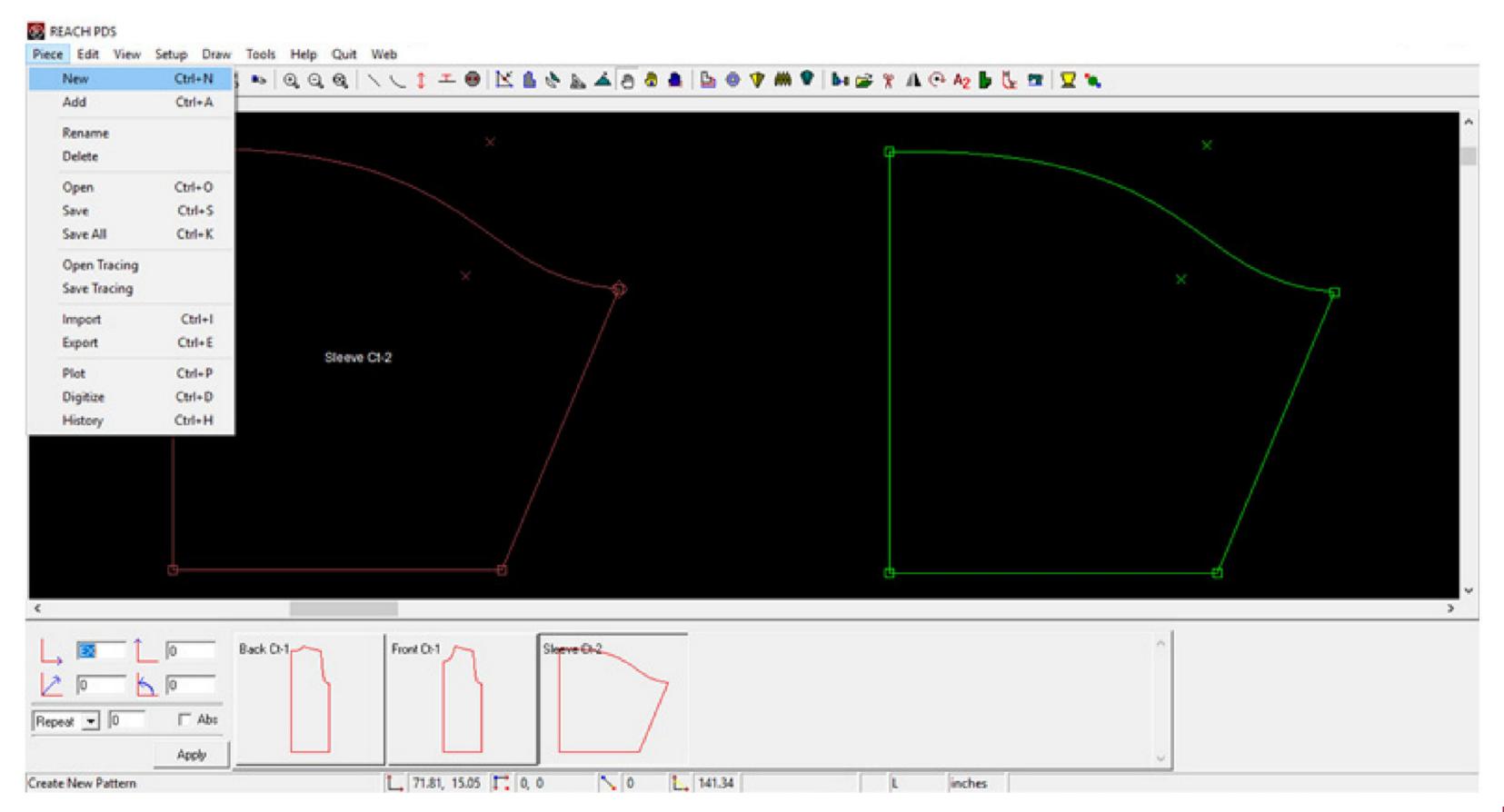
STEP-061 MOVE THE PATTERN



REACH Technologies



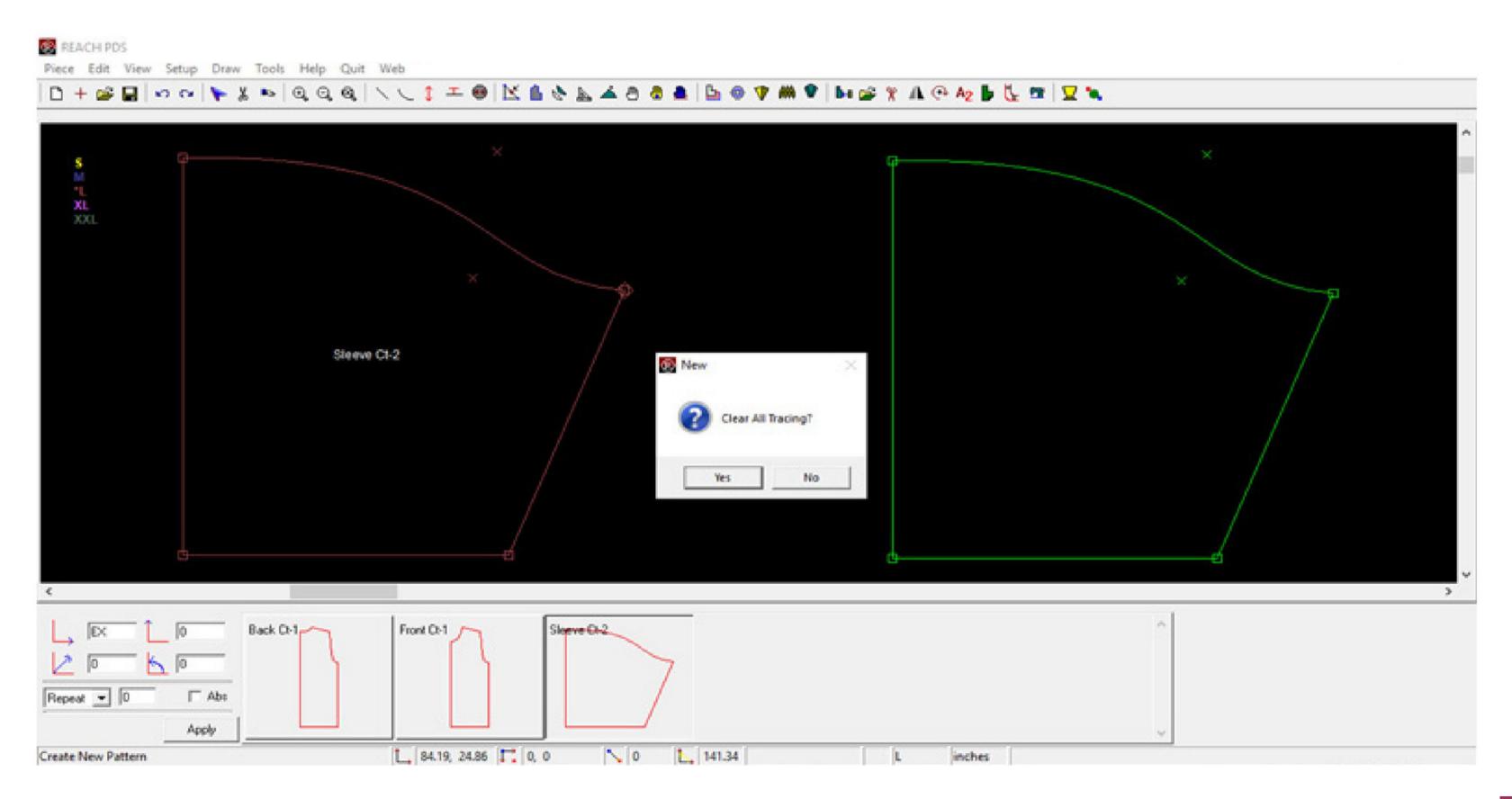
STEP-062 GO TO PIECE AND CLICK ON NEW.



REACH Technologies



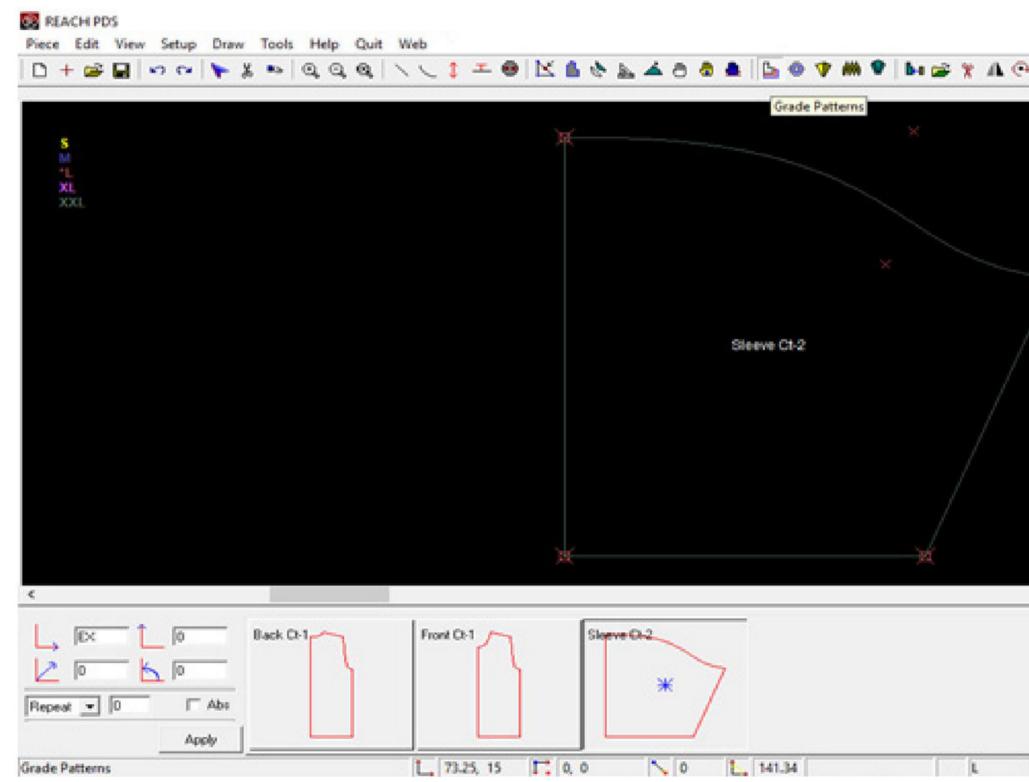
CLICK ON NEW THEN CLICK ON TRACING AND SELECT CLEAR ALL TRACING LINES. SELECT YES AND APPLY.



REACH Technologies



STEP-064 GO TO GRADE PATTERN AND CLICK ON CANCEL ALL THE POINTS

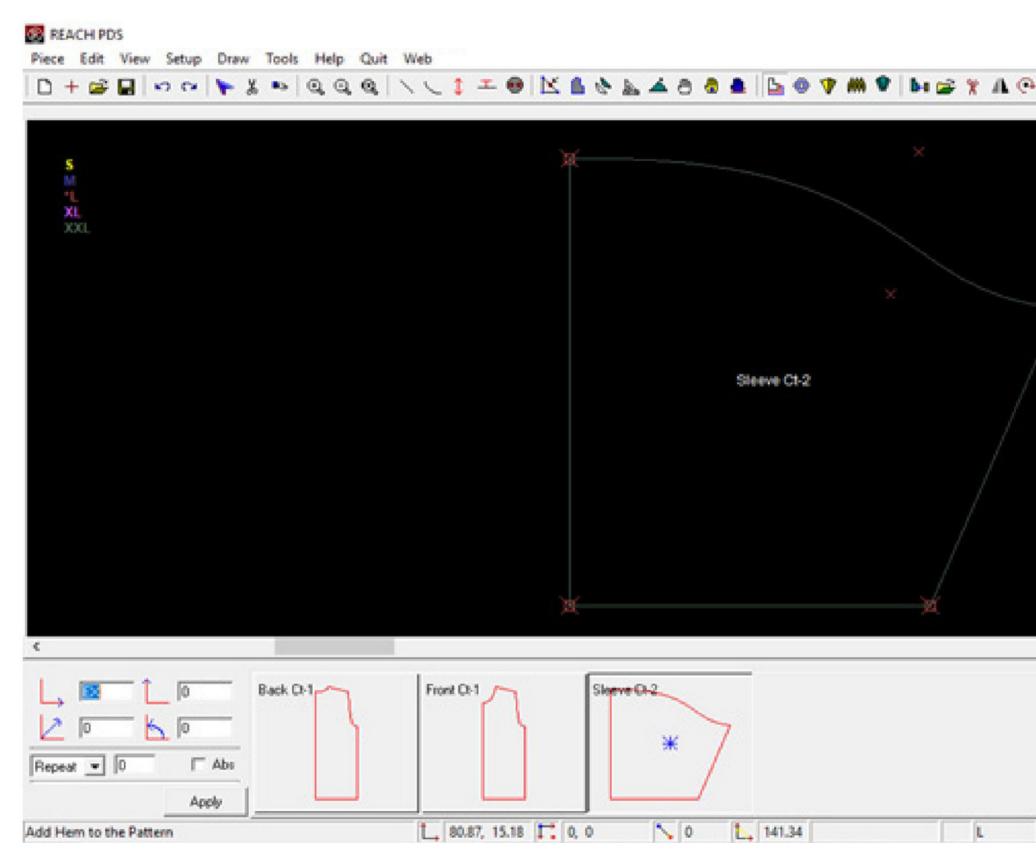


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STEP-065 CLICK ON 'ADD HEM TO THE PATTERN'

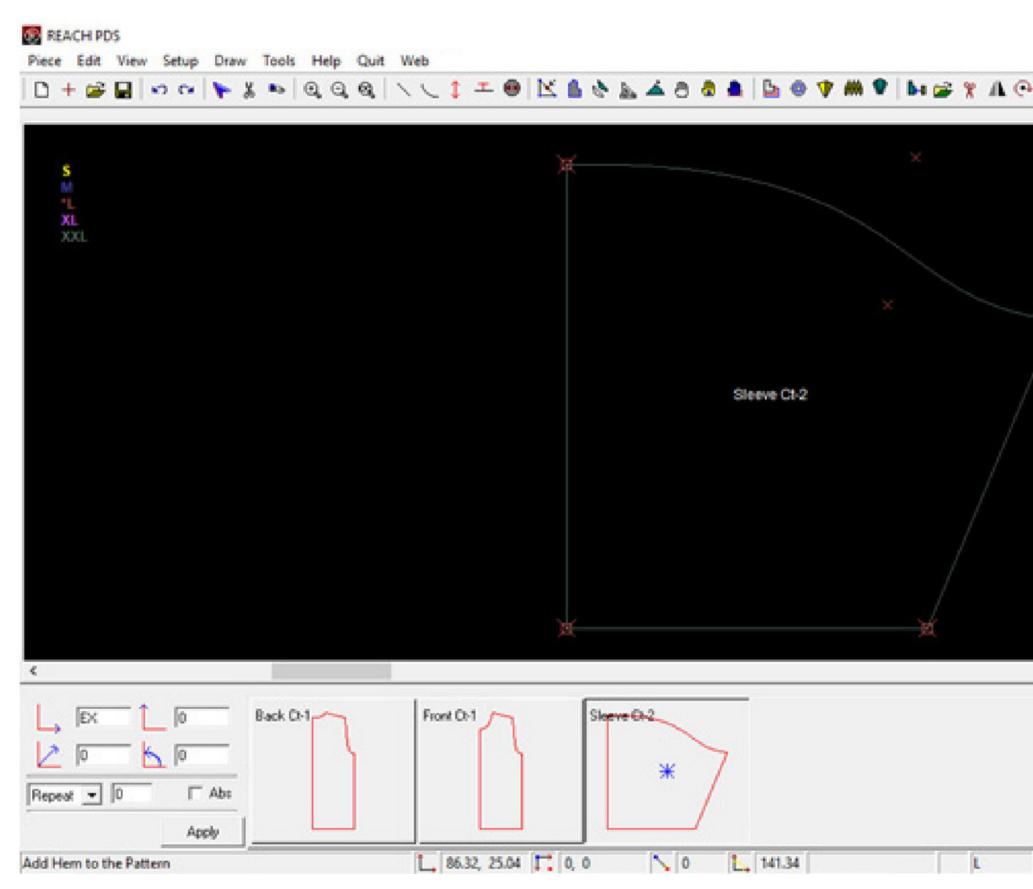


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STEP-066 APPLY HEM VALUE OF I INCH.

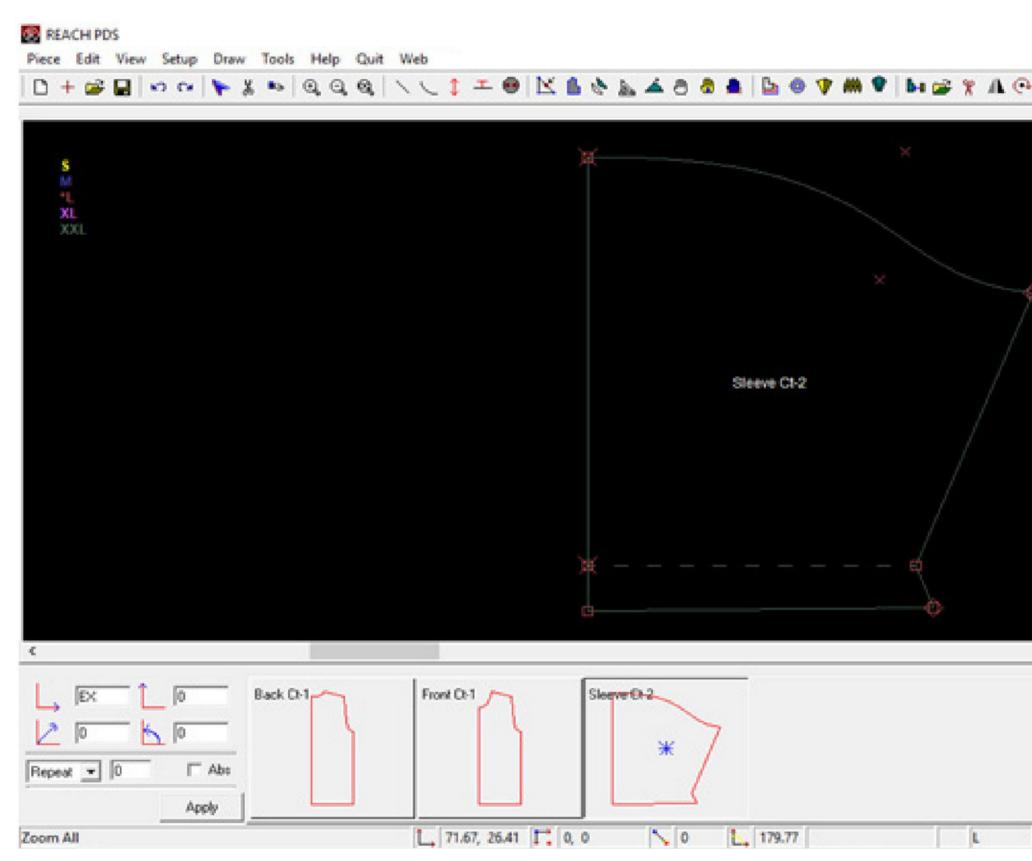


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STEP-067 ADD TO SLEEVE OPEN POINT.

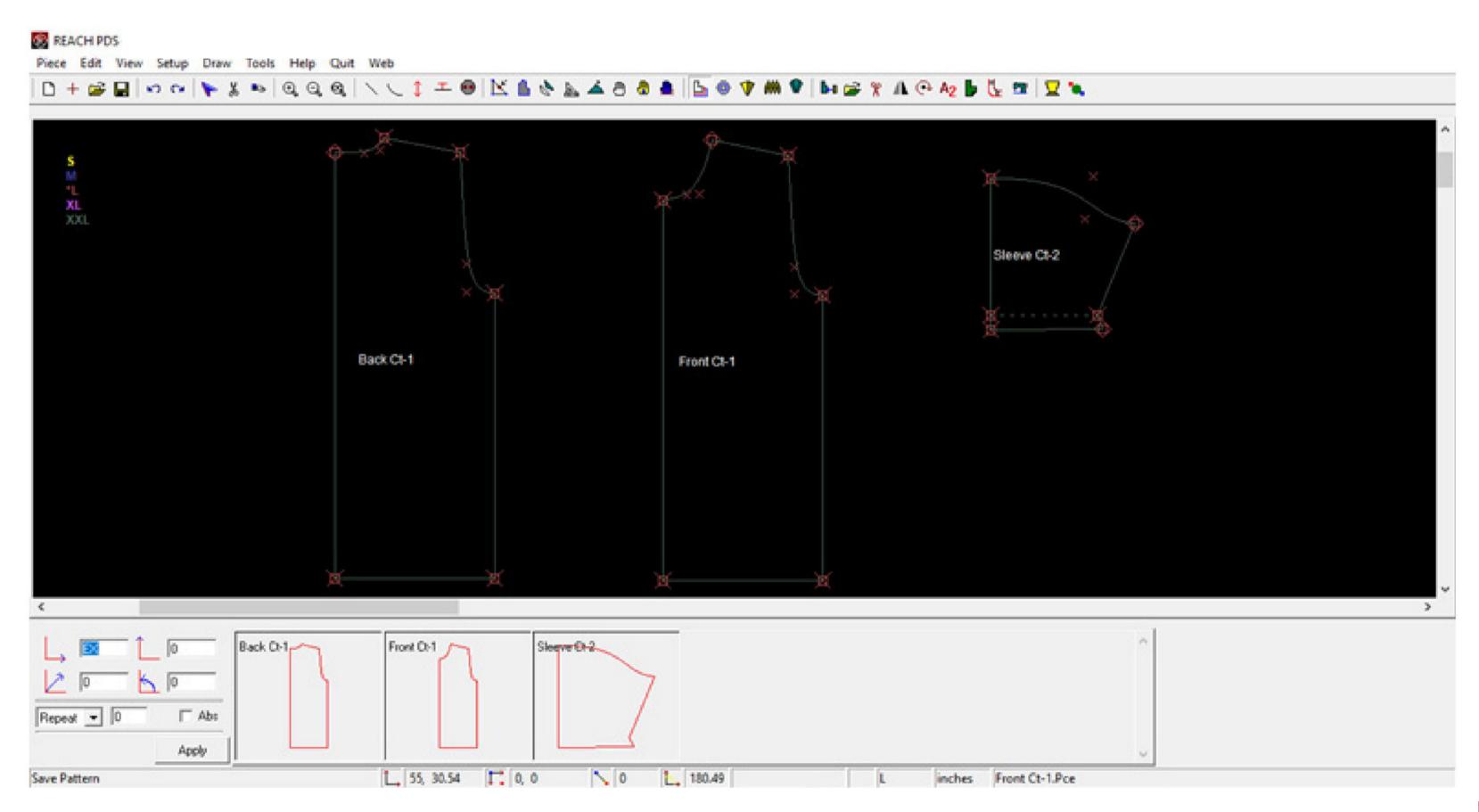


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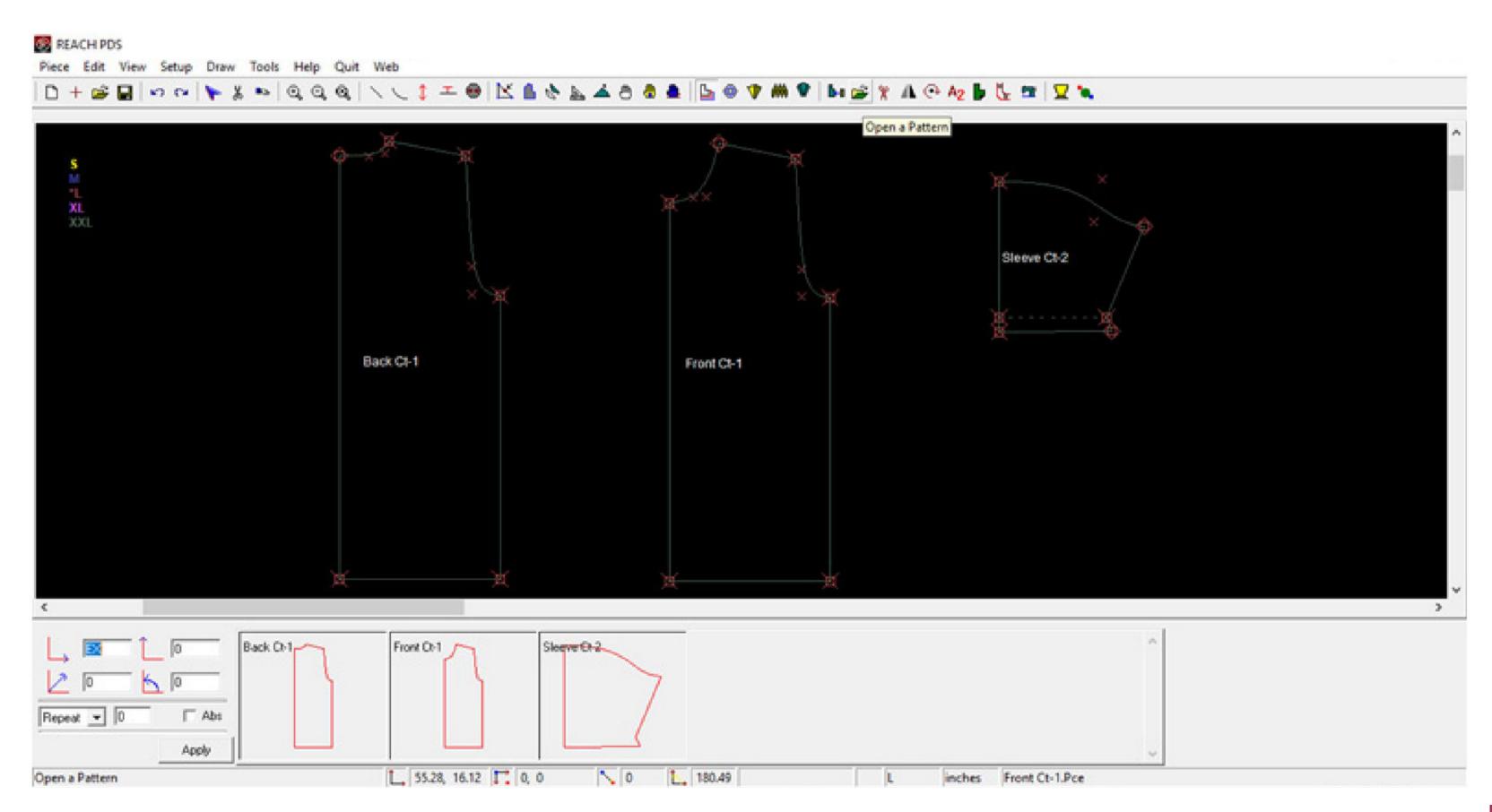
STEP-068 CLICK ON 'ALL PATTERN SHOW' IN THE WORKING AREA.



REACH Technologies



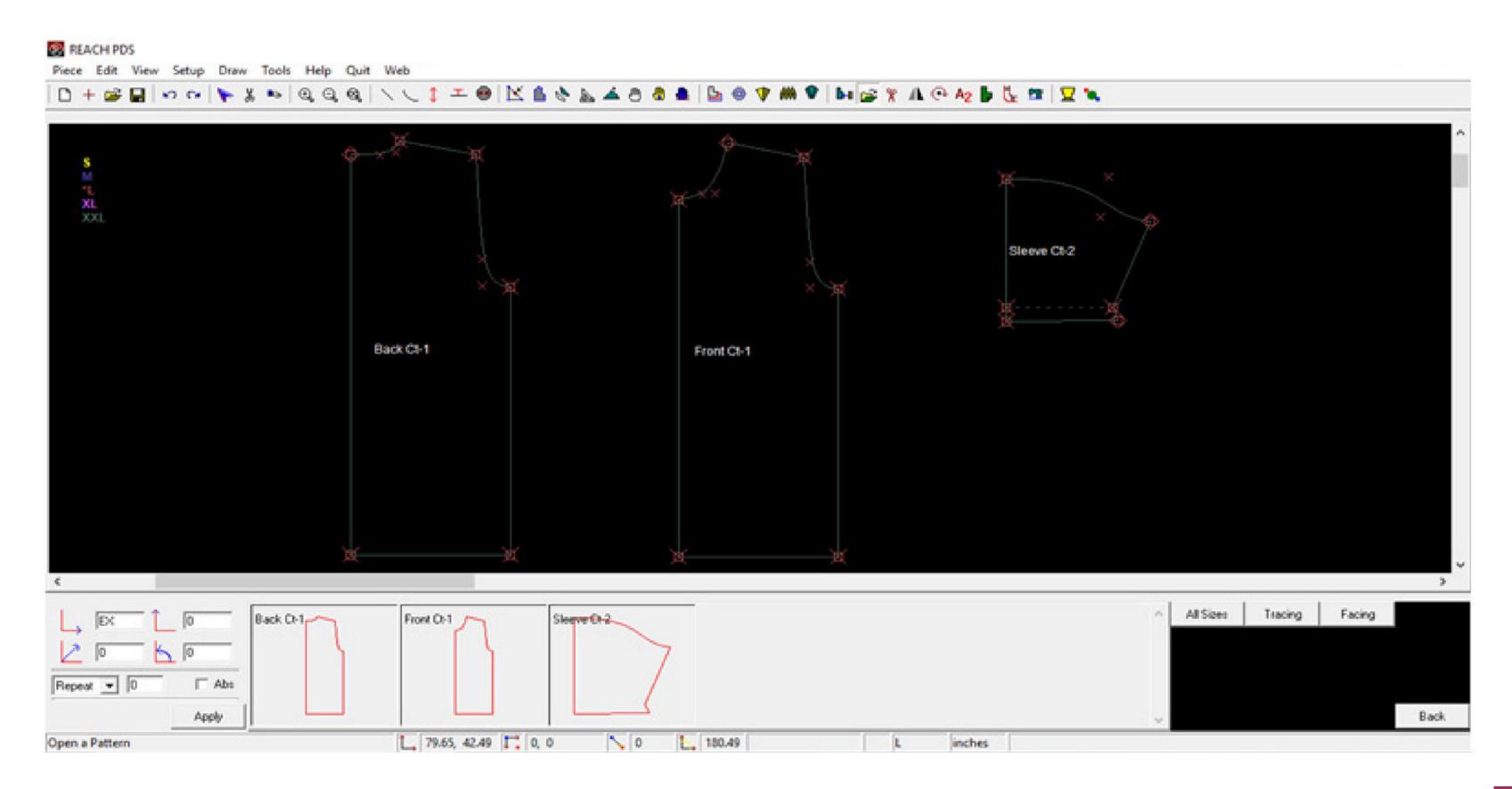
STEP-069 CLICK ON OPEN TOOL.



REACH Technologies



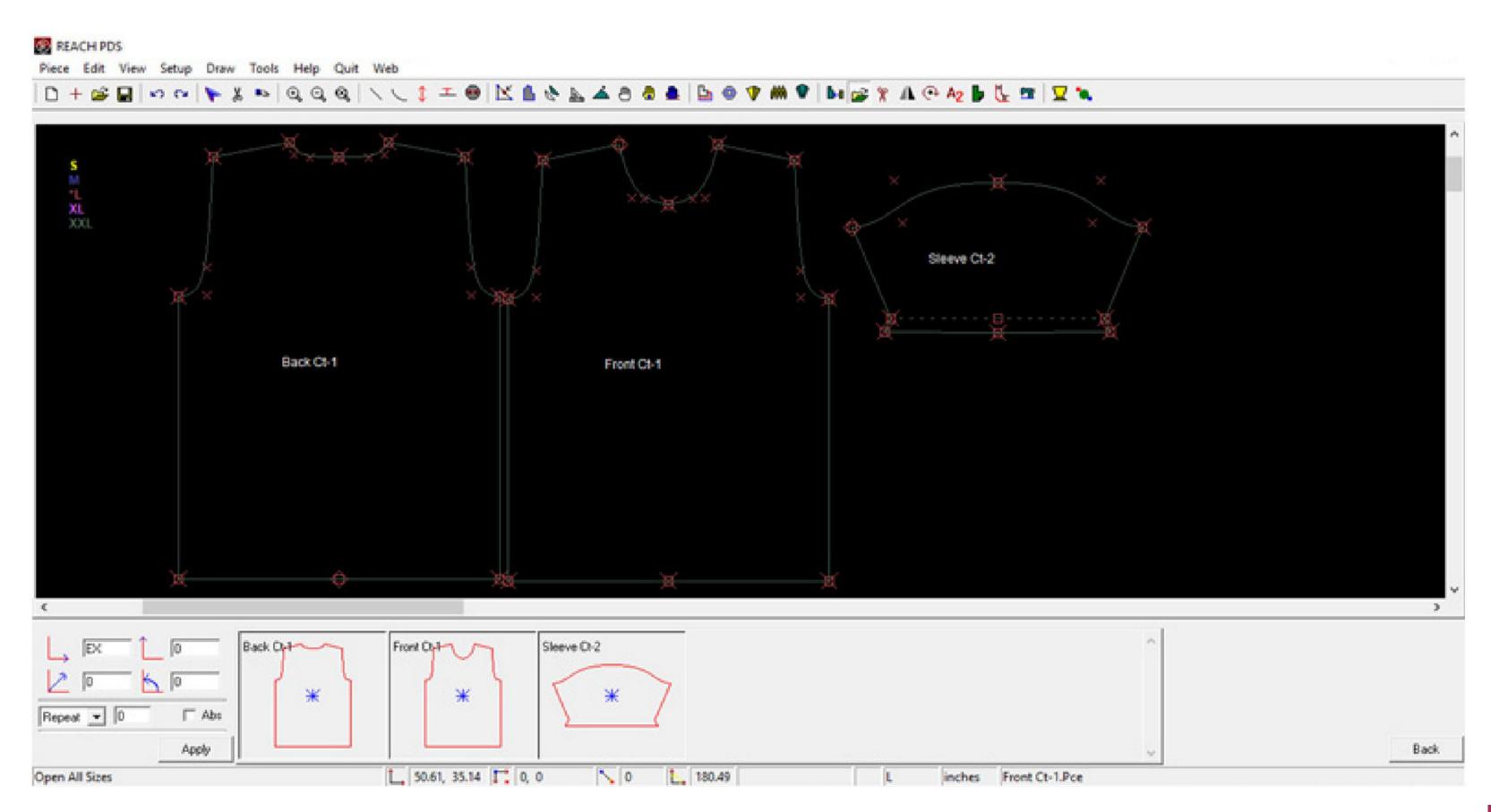
STEP-070 CLICK ON 'ALL SIZE'.



REACH Technologies



STEP-07 I SELECT ALL THE PATTERNS CENTER, FRONT, BACK, SLEEVE AND OPEN THEM.



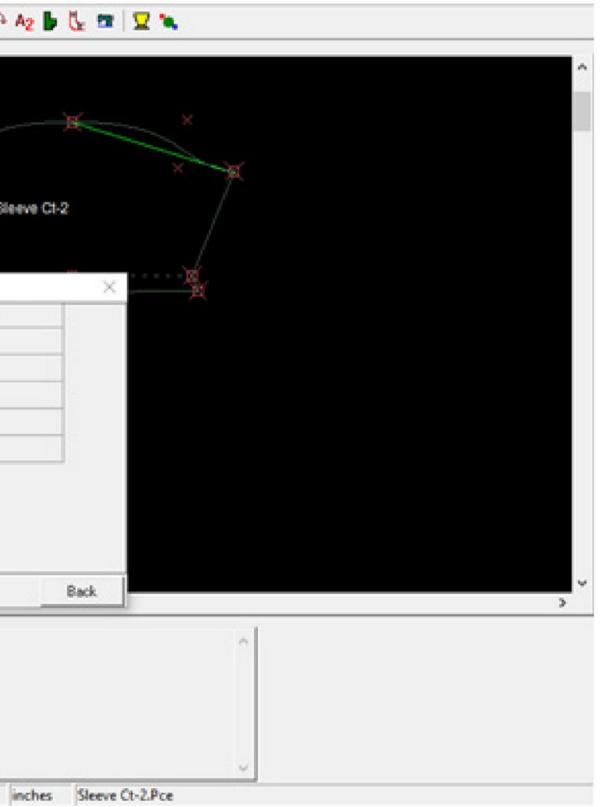
REACH Technologies



STEP-072 GO TO MEASURE TOOL AND CHECK THE ARMHOLE MEASUREMENT

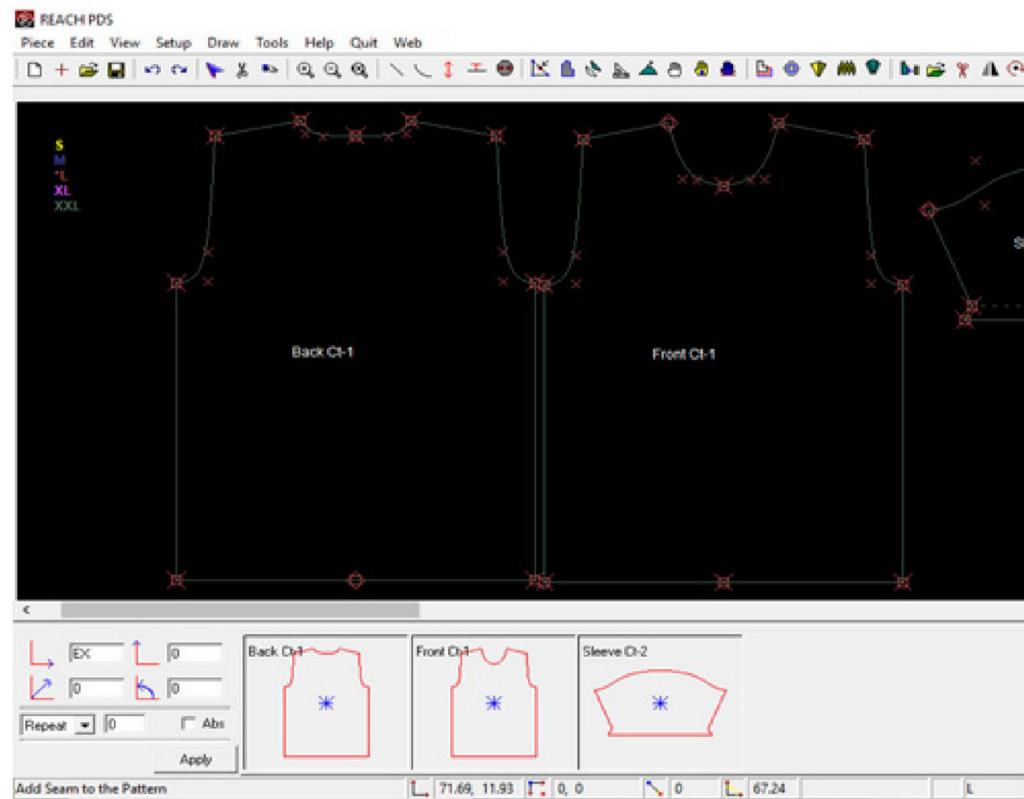
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STEP-073 CLICK ON 'ADD SEAM TO THE PATTERN TOOL'



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STEP-074 CLICK ON FRONT PATTERN AND ADD SEAM VALUE OF 0.25 INCHES. APPLY AND ZOOM TO NECK.

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Apply	L, 49.56, 17.66 T. 0, 0 L, 3.81	Apply Back L inches Front Ct-1.Pce

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STEP-075 ADD NECK SEAM

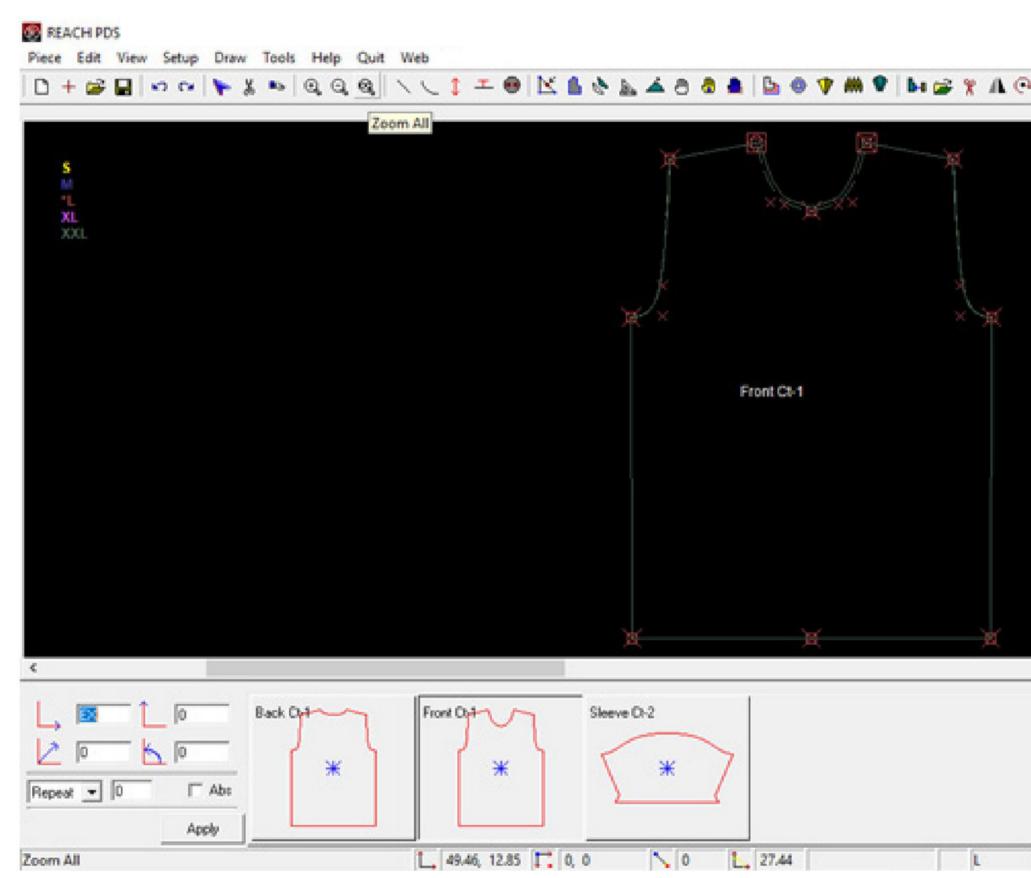
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STEP-076 CLICK ON ZOOM ALL TOOL

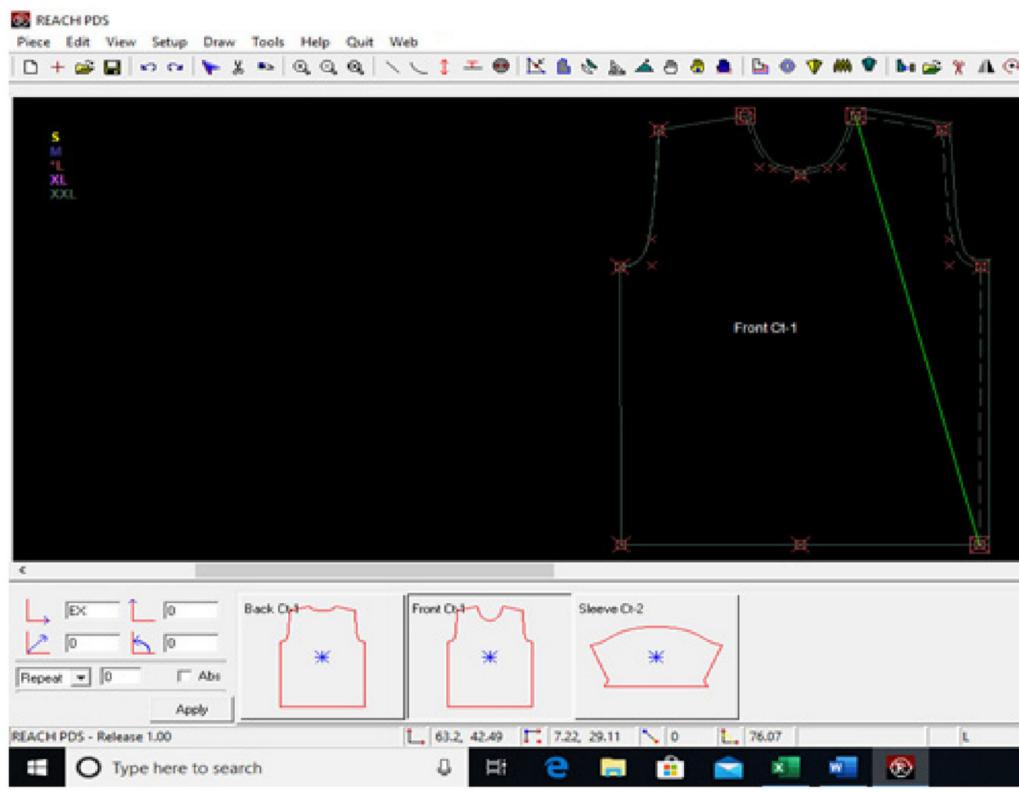


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STEP-077 ADD SHOULDER TO BOTTOM MEASUREMENT SEAM VALUE OF 0.5 INCHES.

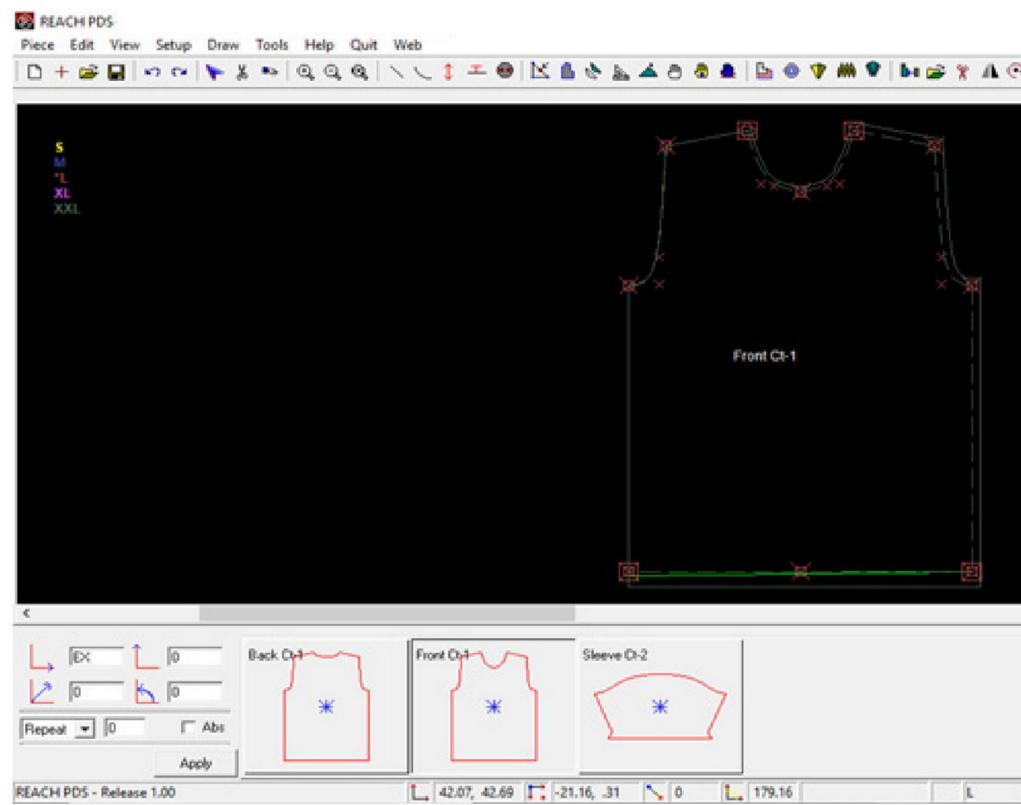


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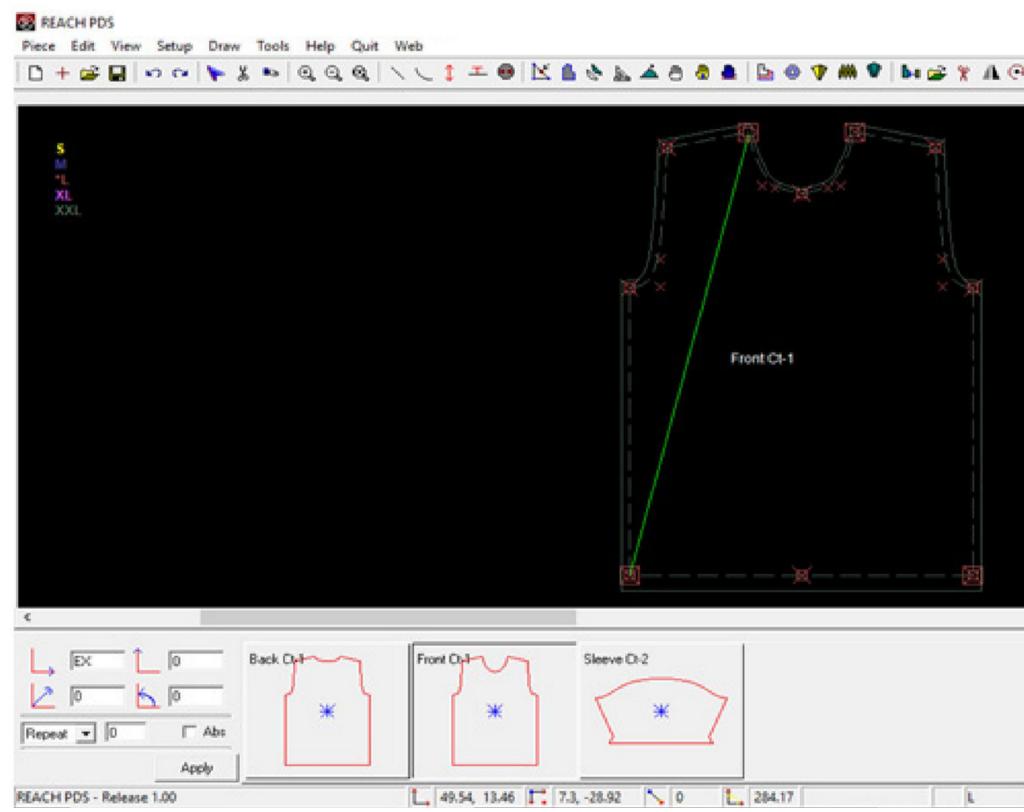


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ADD TO SEAM BOTTOM TO SHOULDER MEASUREMENT 0.5 INCHES ONE CLICK

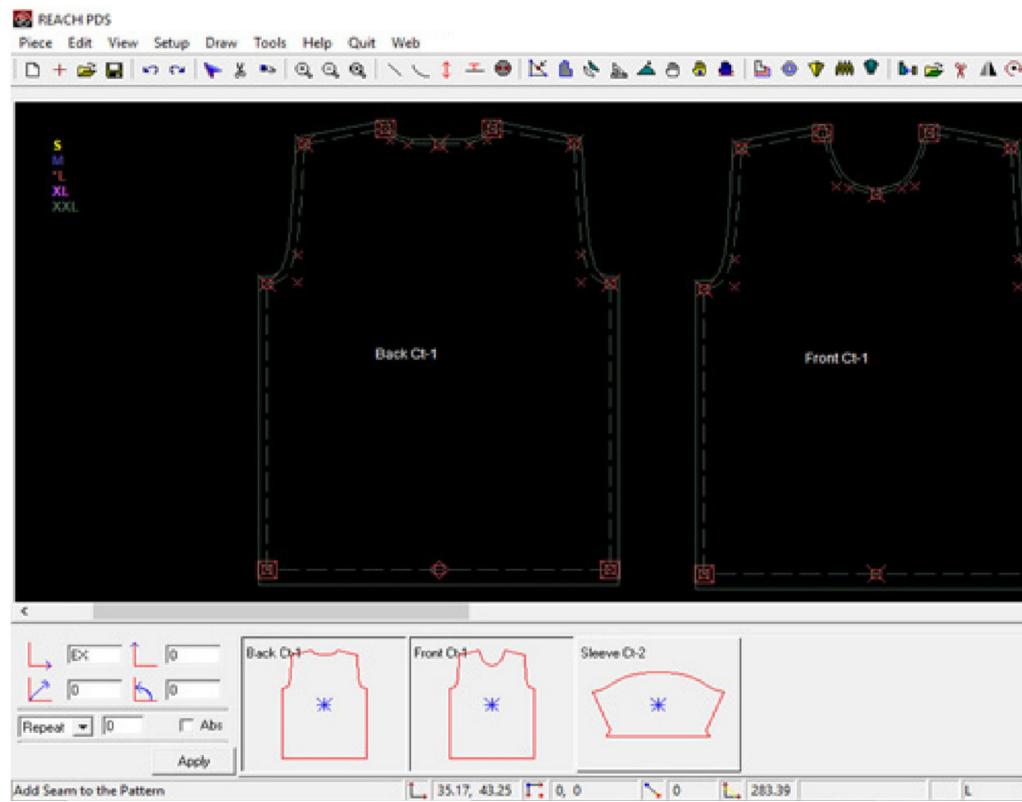


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CLICK ON BACK AND USE THE SAME METHOD ON THE BACK PATTERN

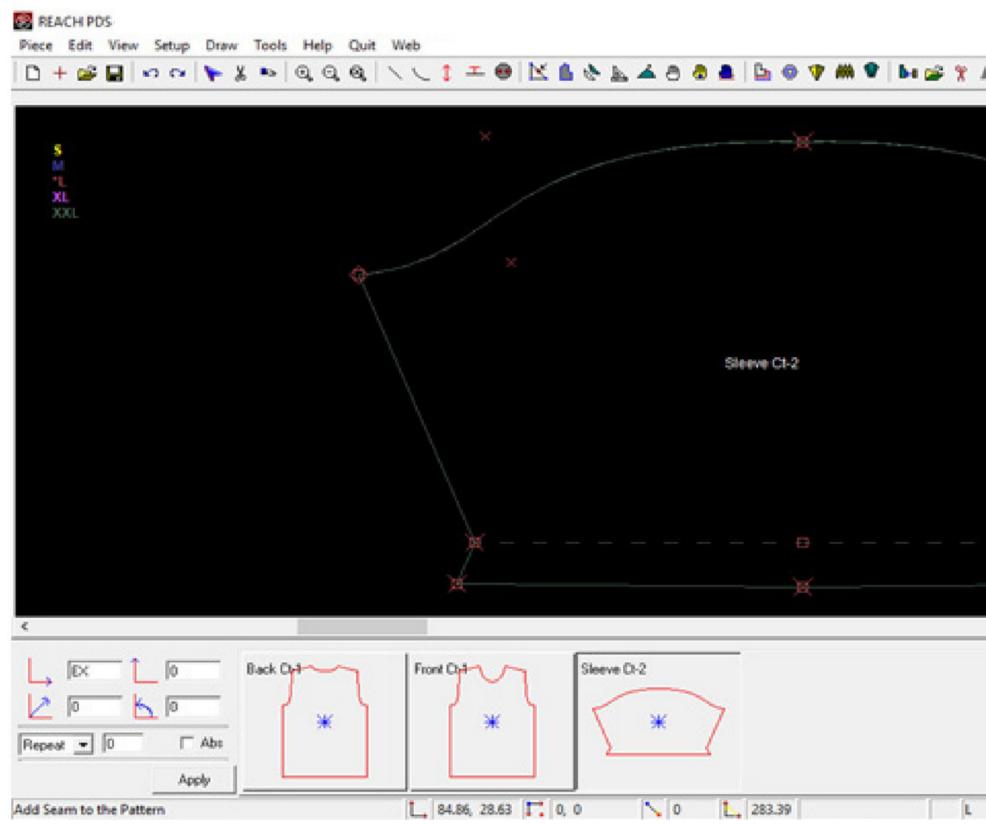


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STEP-081 CLICK ON SLEEVE PATTERN .

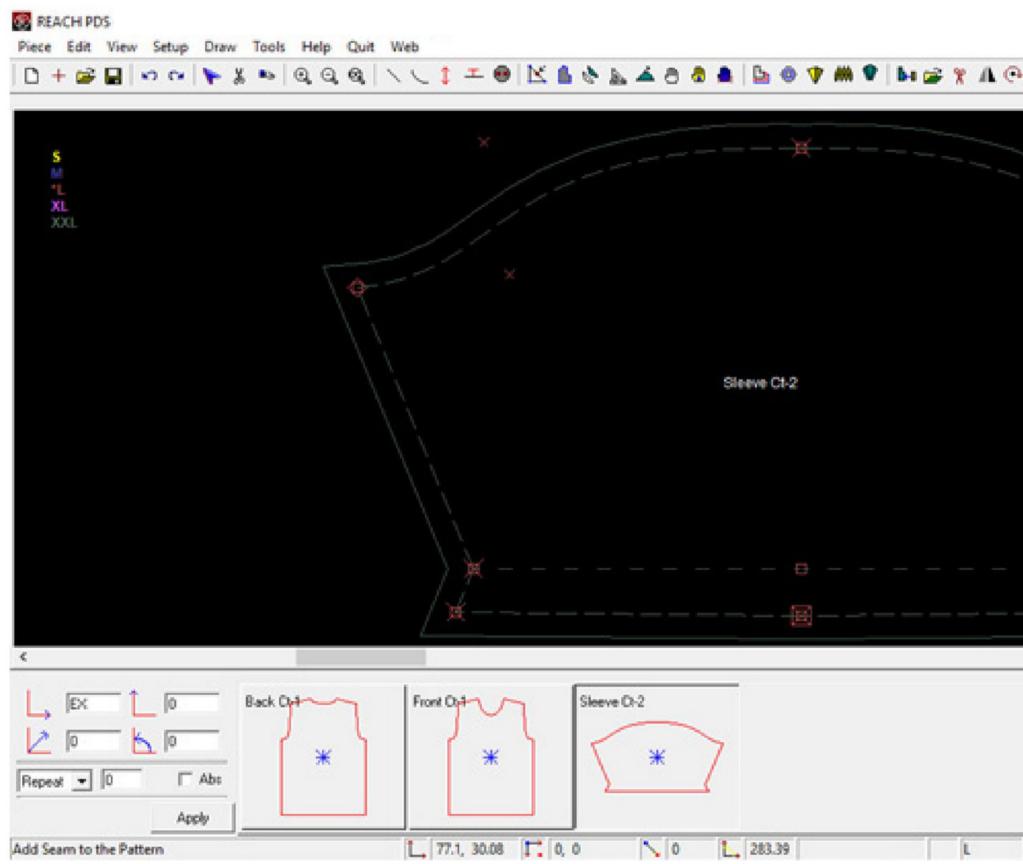


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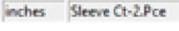


STEP-082 TOTAL SINGLE CLICK 0.5 INCHES ANY ONE POINT



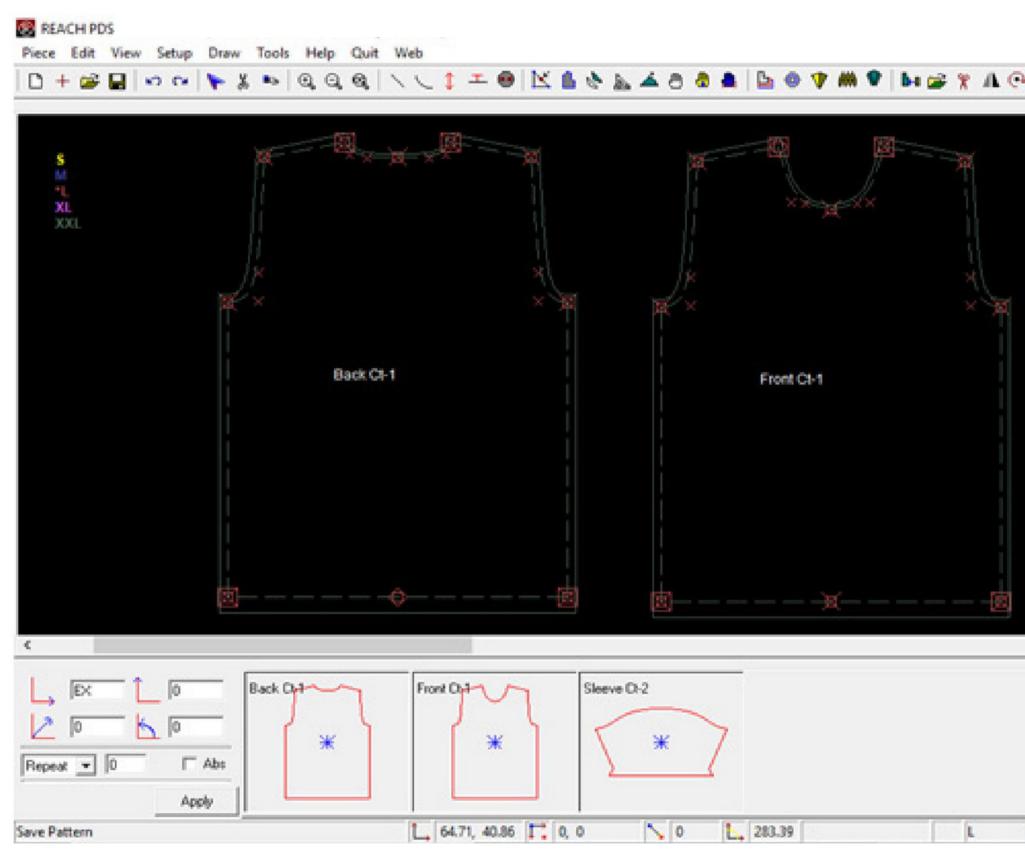
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	, Apply		Back





STEP-083 CLICK ON 'ALL PATTERN' AND SAVE THE FILE.

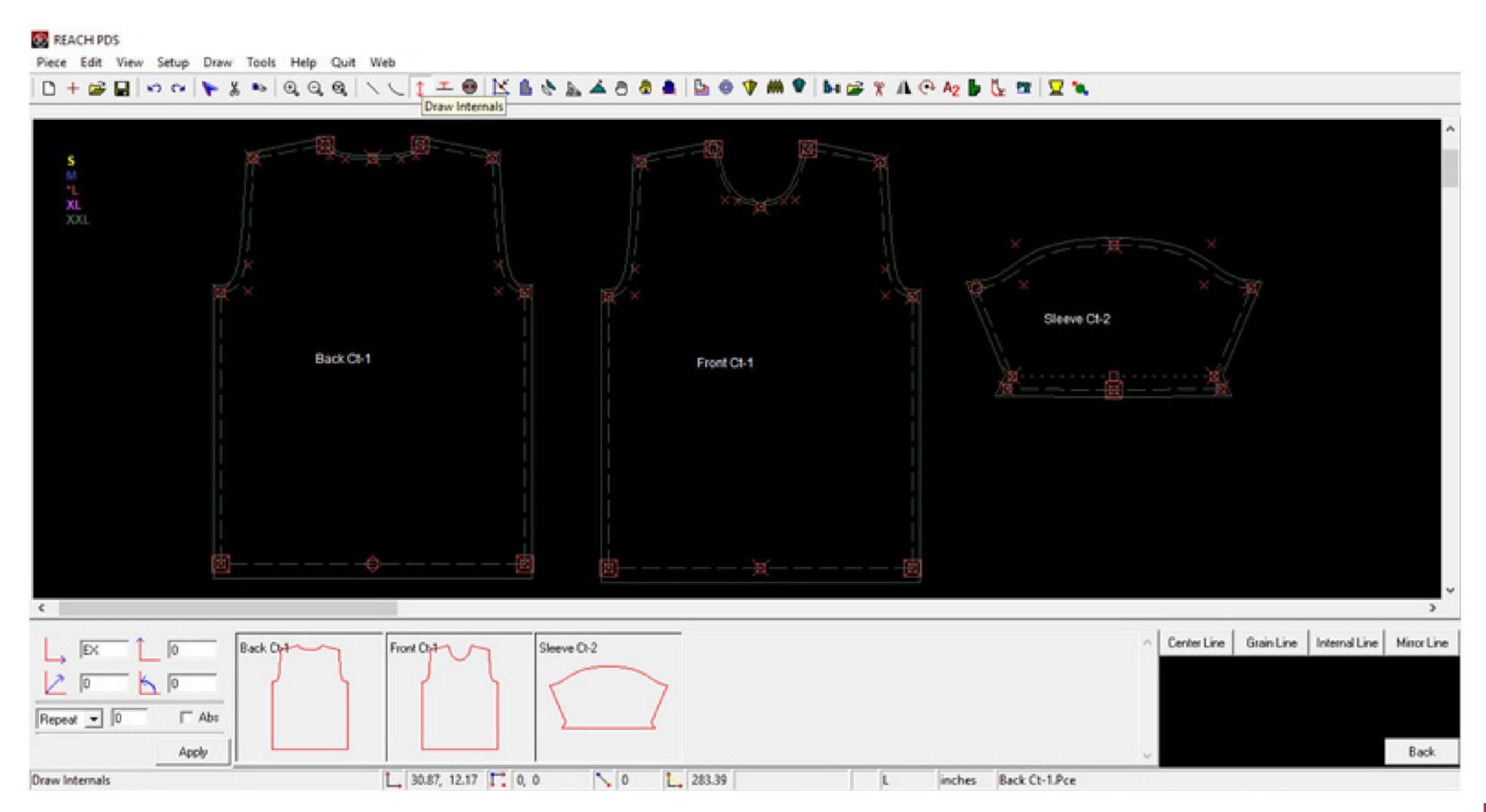


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		Corner - Start Norma Seam Value 0.5	End Normal
		- Toro	
		Apply	Back



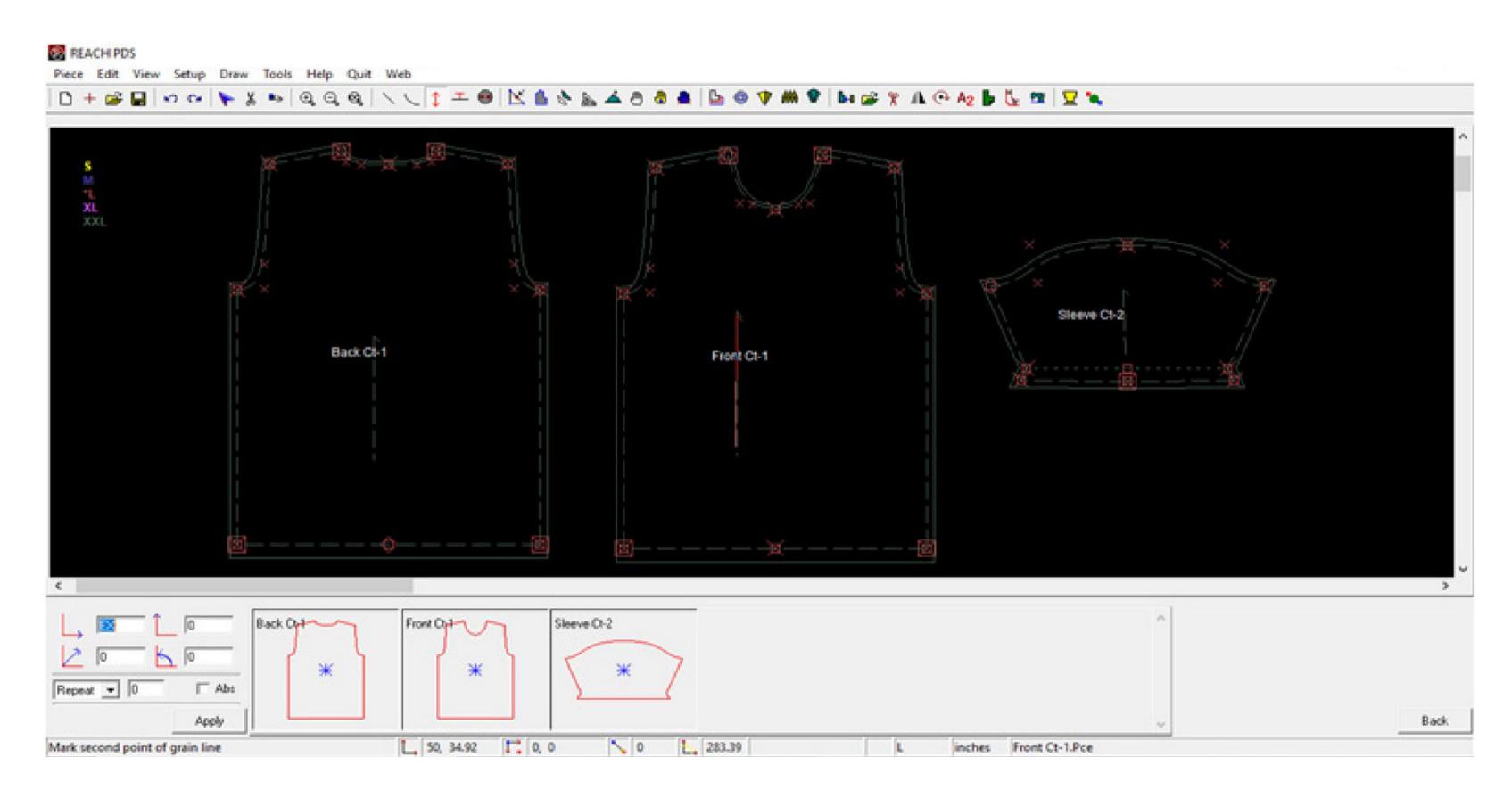
STEP-084 CLICK ON 'DRAW INTERNALS' OPTION AND THEN SELECT 'GRAIN LINE'



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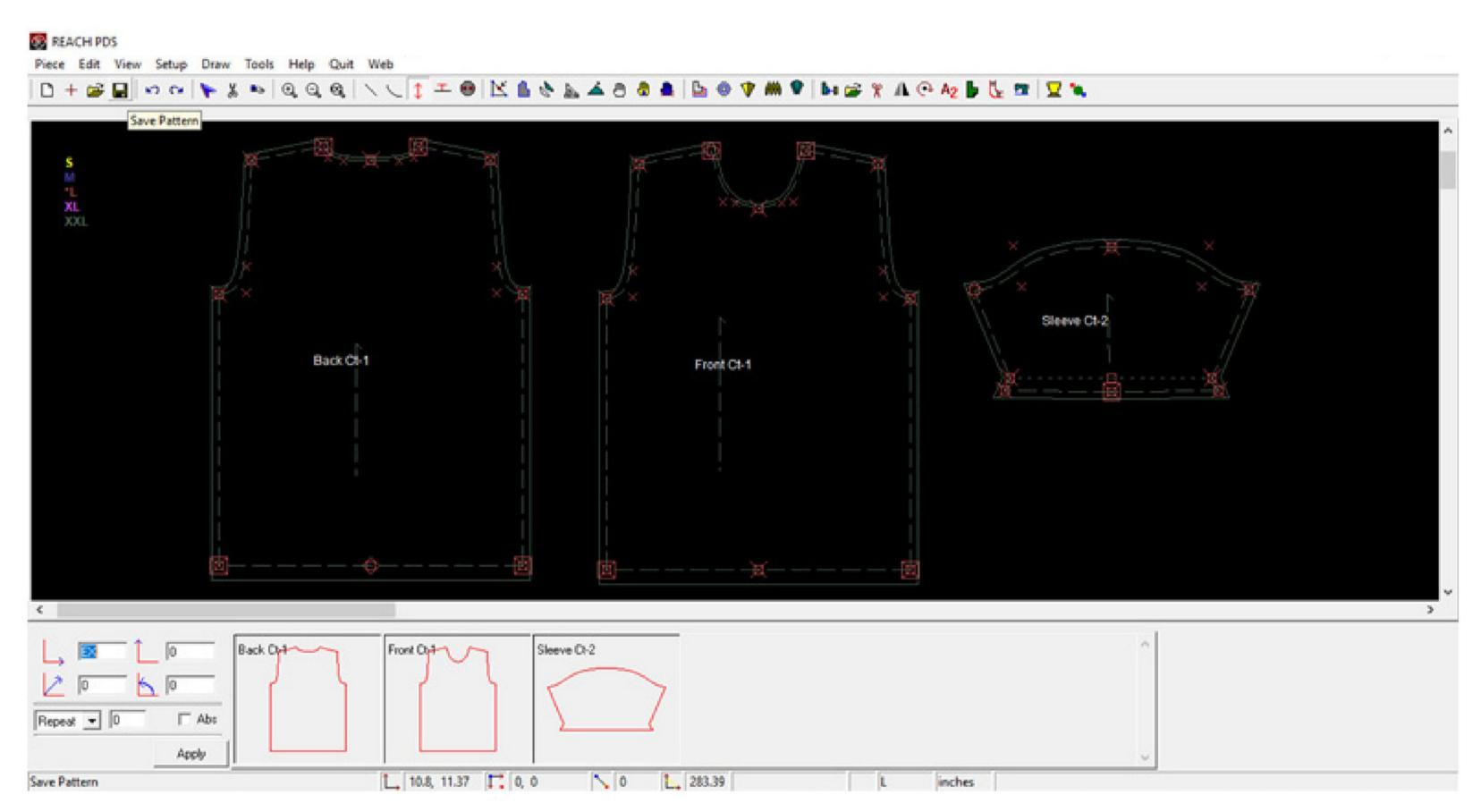
STEP-085 ADD FRONT, BACK AND SLEEVE TO GRAIN LINE.



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SAVING PATTERN REGULARLY IS IMPORTANT SO THAT YOU DON'T LOSE ANY WORK.

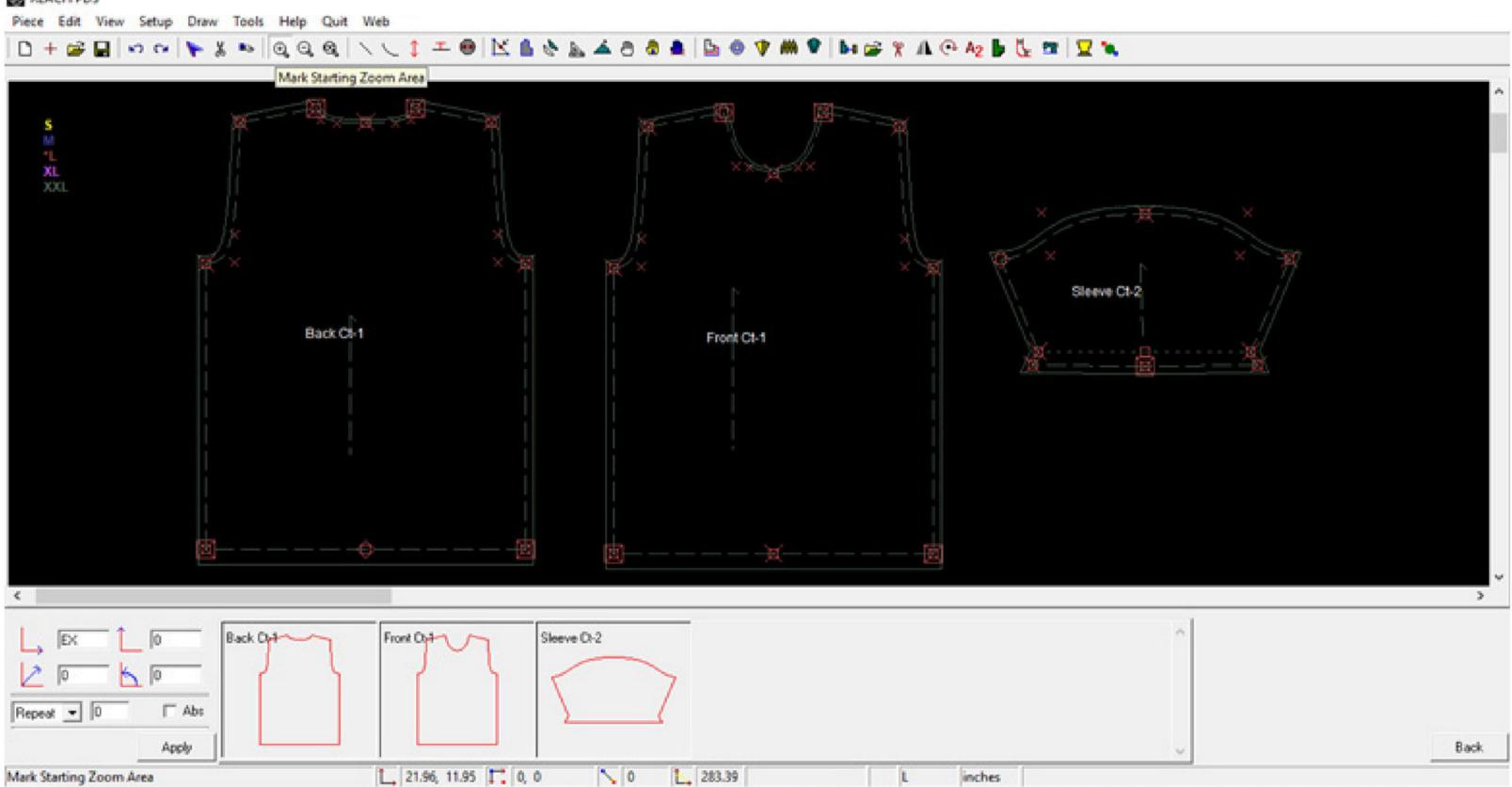


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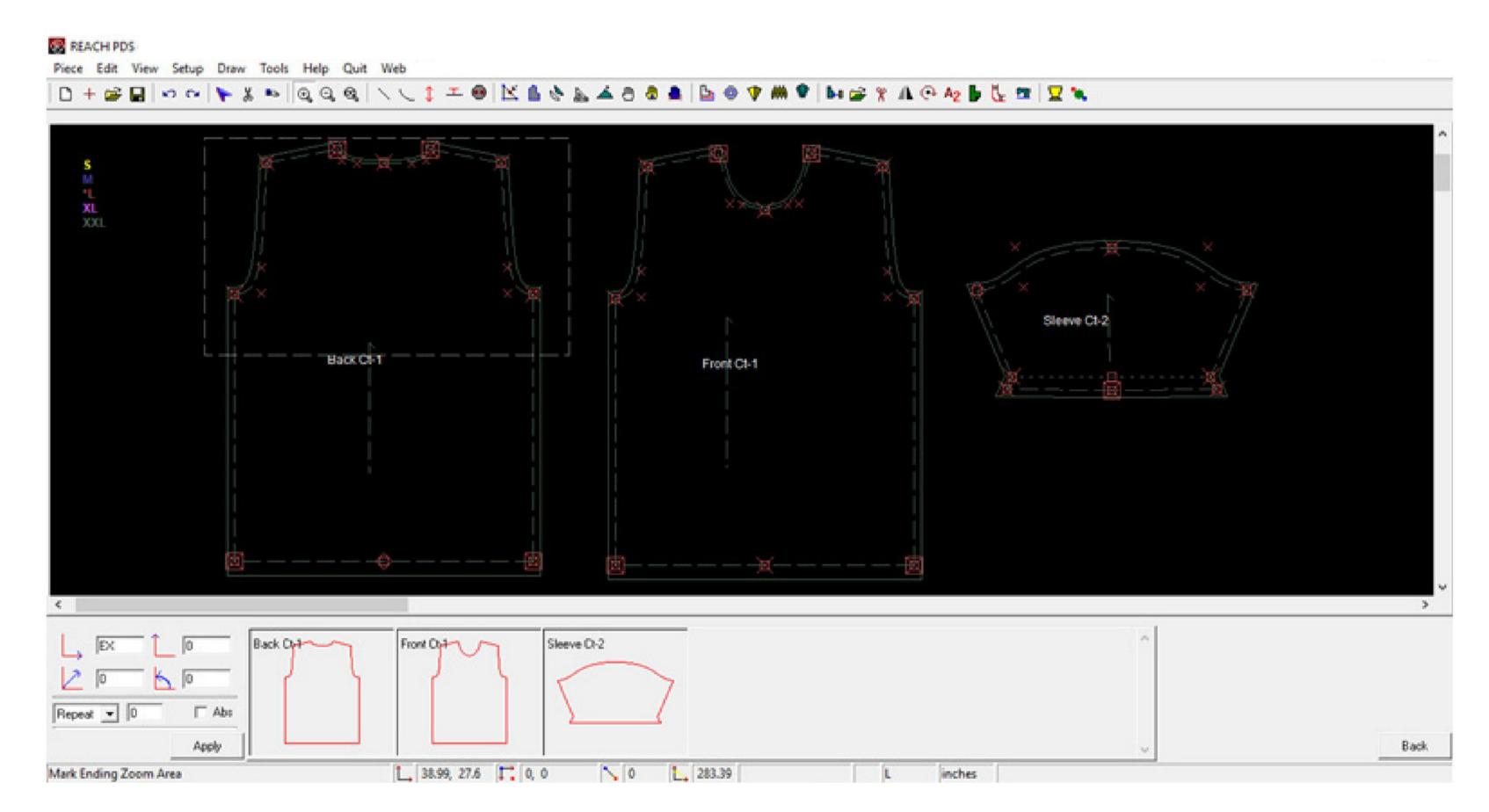
STEP-087 ZOOM AREA

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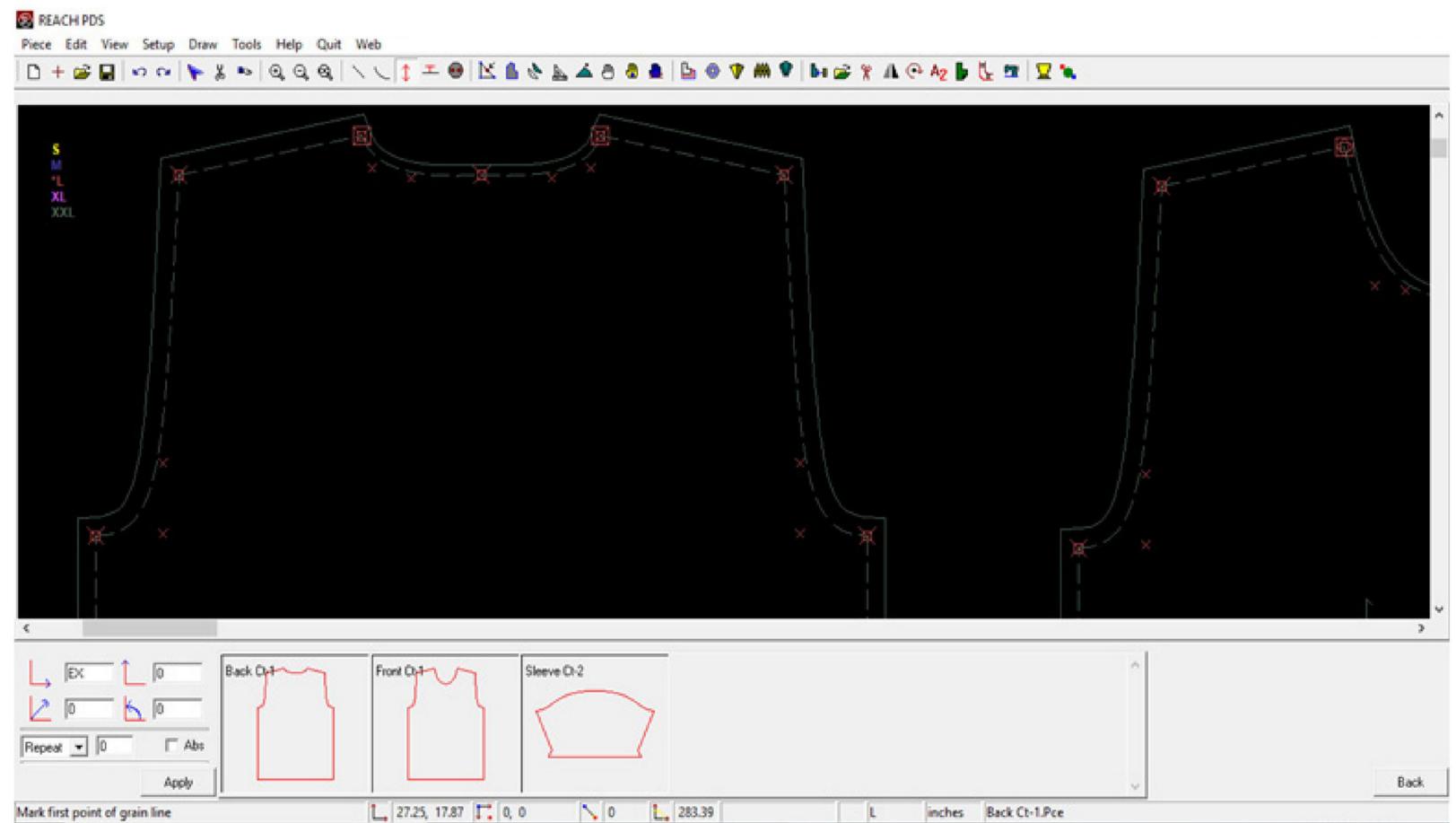
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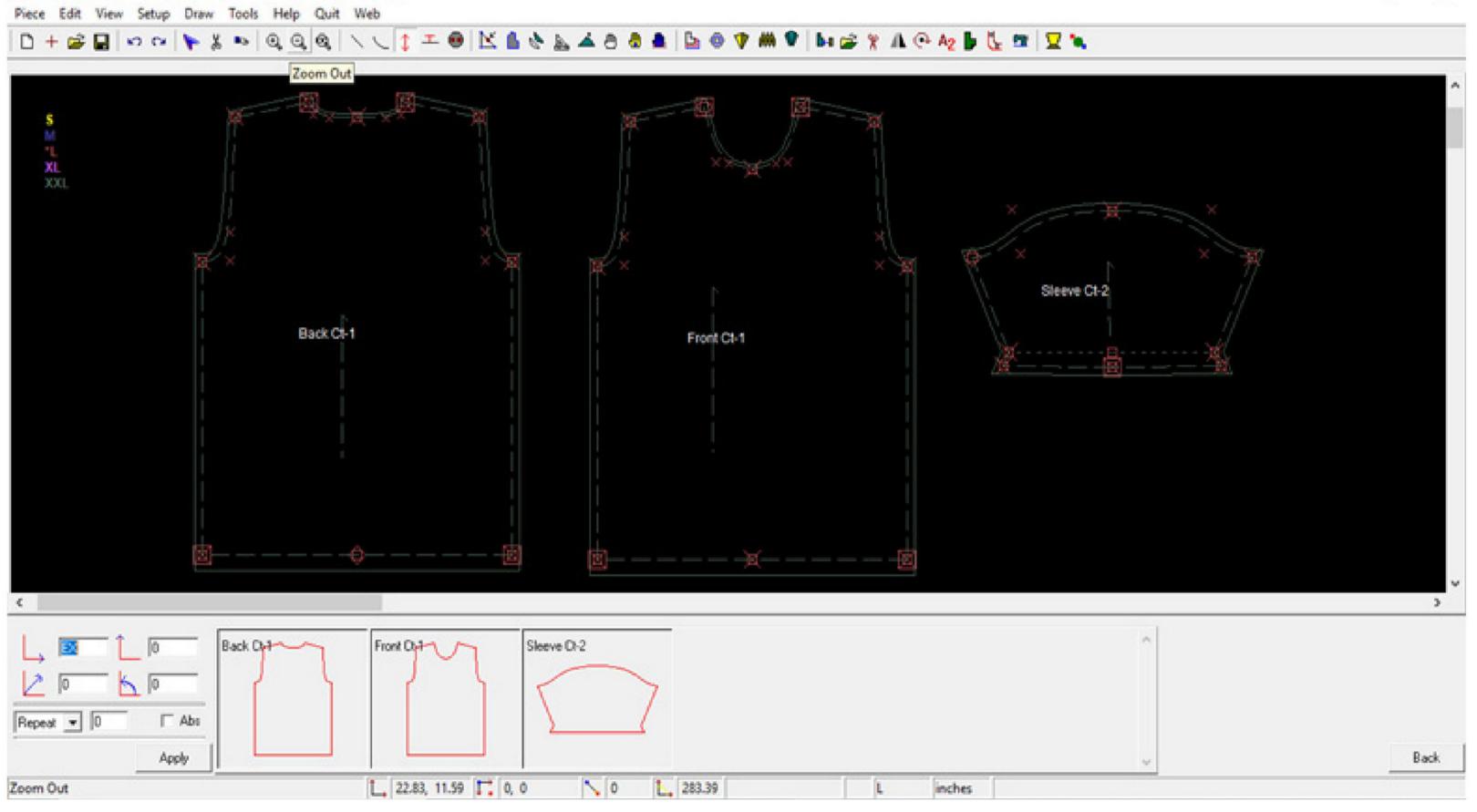


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STEP-088 CLICK ON ZOOM OUT

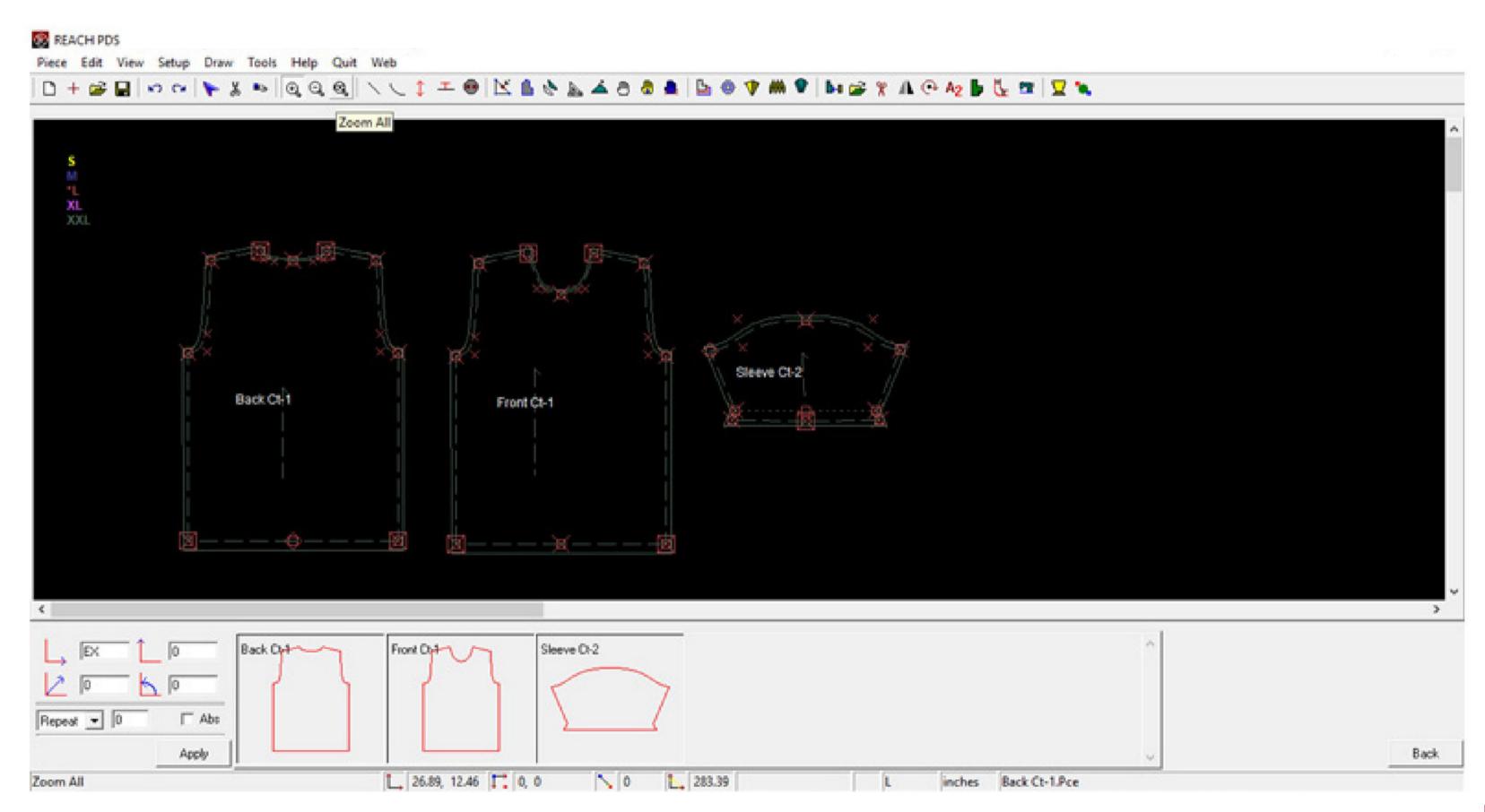
REACH PDS



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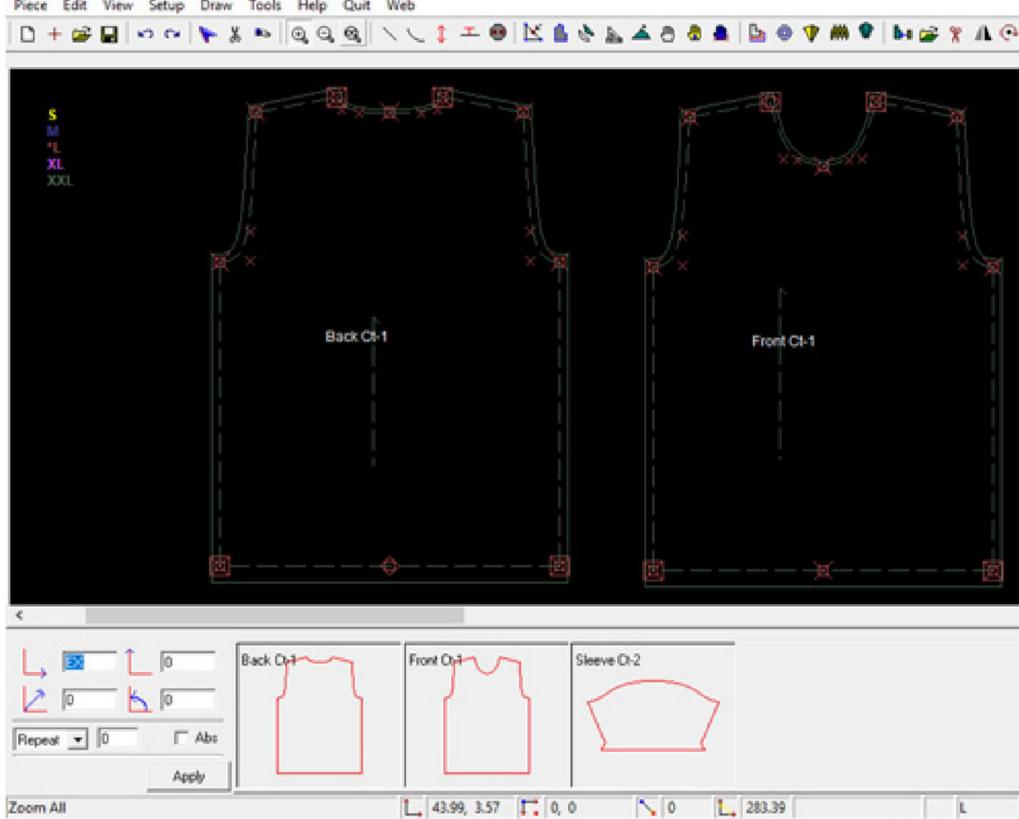
STEP-089 CLICK ON ZOOM ALL TO ENLARGE ALL THE PATTERNS.



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REACH PDS



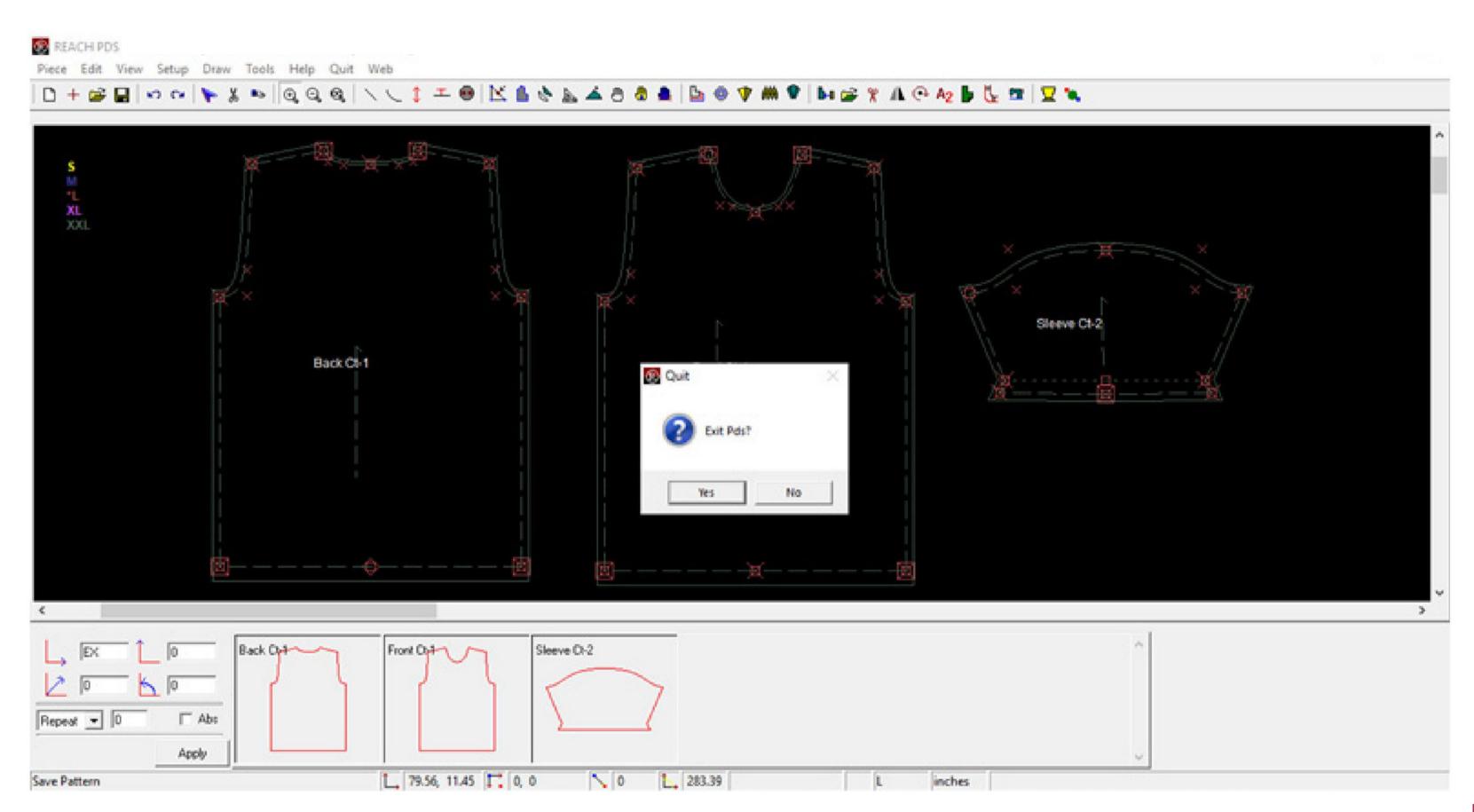
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STEP-090 SAVE ALL PATTERNS TO CLOSE.



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REACH CAD is a best in class apparel pattern design, grading and marker planning software.

REACH CAD enables fabric and time savings in apparel product development and manufacture. About 70% of apparel manufacturing cost is fabric cost. Fabric usage optimization is critical to building competitive apparel ventures.

REACH CAD enables that.

Additionally, by reducing fabric wastage, REACH CAD contributes to a greener environment.

REACH CAD is included in the training programmes of Ministry of Rural Development, Ministry of Skill Development and Entrepreneurship, Ministry of Industries and Commerce, Ministry of Textiles, Ministry of Education etc of Govt. of India and various state govts.

