

# Pattern Design for T-shirt using REACH CAD



### STEP 001

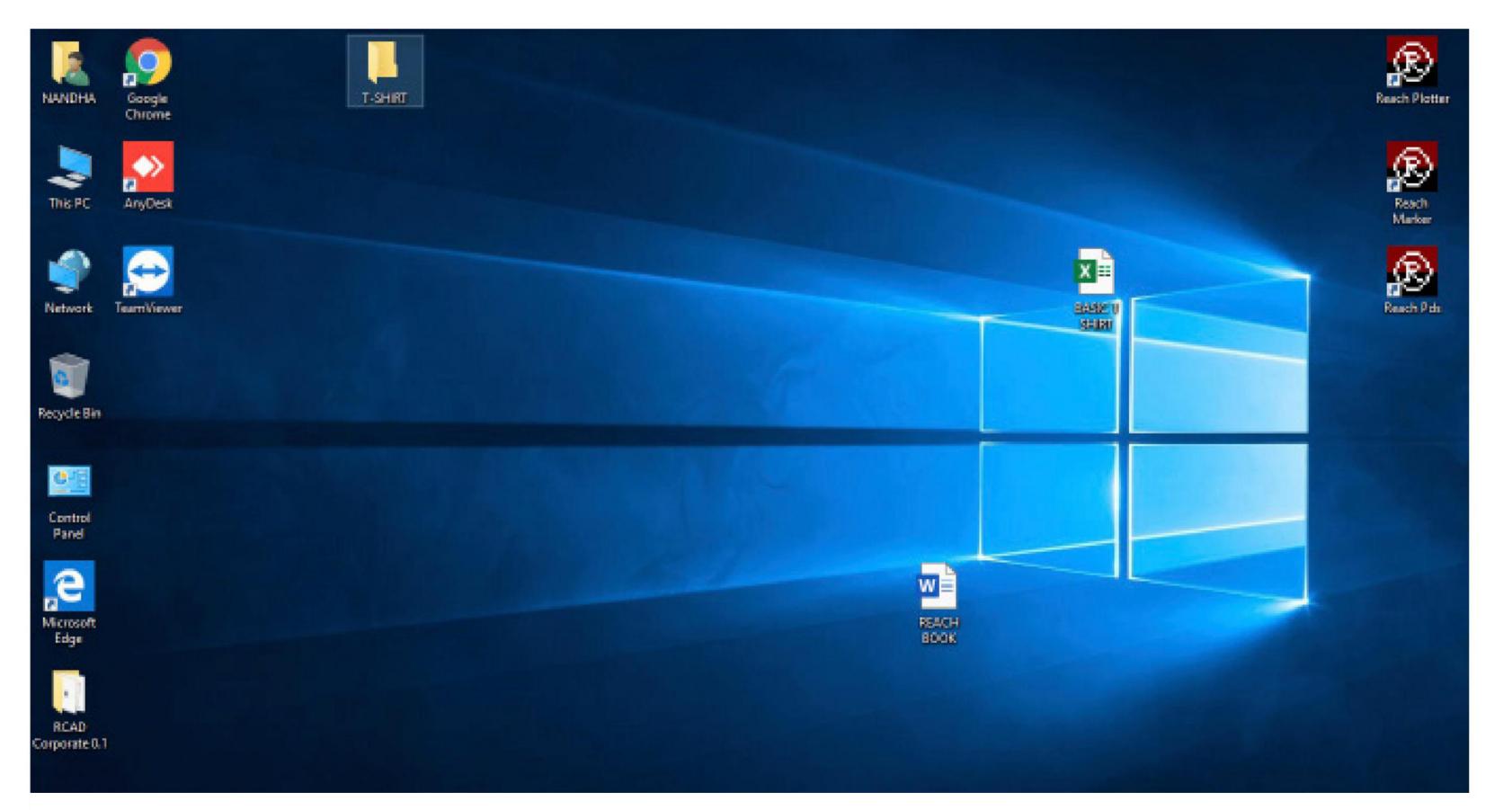
#### MEASUREMENTS OF BASIC ROUND NECK T-SHIRT

Fi	e	Home Insert Page Layout Formula	as De	rta Re	view 1	View H	elp	Q	Tell me	what yo	u w	ant to do										: Sha	are
Par	ste 🗳				29 W		er ~	Gen	eral ~ % *	-8	•	Conditiona			Insert	Delete	Format		21 ×	× A			
												Formatting		Styles ~	~	-	~	-	loar ~		y ~ Select	·	
	placard				grvment		9		Number		0		Styles			Celh				Editing			^
110		* 1 × √ ß																					~
- 4	A	8	C	D	E	F	6		н	1	J	ĸ	L	м	N	0		ρ	Q	R	S	T	-
1				ROUND	NECK	T-SHIR1	r																
2					INCHE	s																	
3																							
4		SIZE	S	м	L	XL	XXL																
5	1	1/2 CHEST WIDTH			21																		
6	2	1/2 BOTTOM WIDTH			21																		
7	3	BODY LENGTH FROM HSP			29			-															
8	4	SHOULDER 1/2	0	1	5			-															
9	5	1/2 ARMHOLE			9.5																		
10	6	1/2 SLEEVE OPEN			7																		
11	7	SLEEVE LENGTH			9								_										
12	8	NECK OPENING			6.5																		
13	9	DROP NECK FRONT			4																		
14	10	DROP NECK BACK			1																		
15	11	SHOULDER DROP			1																		
16																							
	<	Sheet1 ()											4										Þ
Read	dy.																Ē		町			- +	87%

### **REACH** Technologies



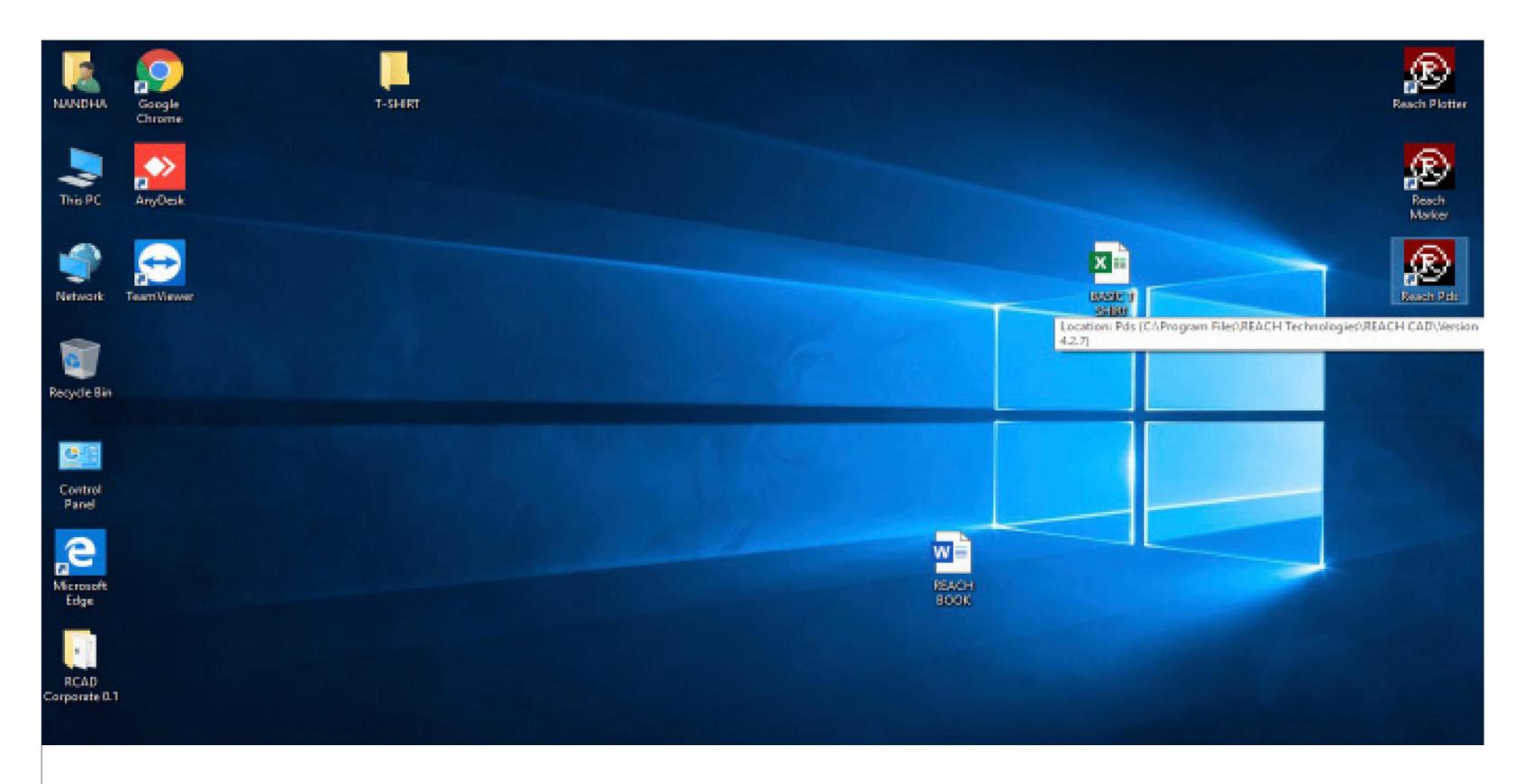
### STEP-002 CREATE A NEW FOLDER AND NAME IT 'T-SHIRT'



### **REACH** Technologies



### STEP-003 DOUBLE CLICK ON THE REACH PDS ICON.



### **REACH** Technologies



### STEP-004 OPEN REACH PDS

REACH PDS		
Piece Edit View Setup Draw Tools Help		
🗅 + 😅 🔛 🗠 က 🐂 🗶 🍽 (ရေ ရ	a, a, i 🗸 🗸 🛎 🐘 🔛 📥 🛆 🕭 🌲 🔛 🕸 🖤 🗰 🗣 🖬 🕾 🖉 🗛 🖗 💆 🔤 🔽 👟	
<		>
		E Breadh 0
		Height 0
Apply		Apply Back.
REACH POS - Release 1.00	L 1281.33, 604 💭 0 L mms	

### **REACH** Technologies



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

New	Ctrl+N	e, e,	9,	11	‡ =	•	4 4	48	8 🛔	<b>B</b> (	6 🤺 M	 be 🚅	¥ 11	0.	2 6	1 m	<b>N</b>						
Add	Ctrl+A																						
Rename																							
Delete																							
Open	Ctrl+0																						
Save	Ctrl+S																						
Save All	Corl+K																						
Open Tracing																							
Save Tracing																							
Import	Ctrl+I																						
Deport	Ctrl+E																						
Tot	Ctrl+P																						
ligitize	Ctrl+D																						
History	Orl+H																						
							 					 					 				34	1.5	
																		and the second se					
1	0																	104	E Bre	nthee	0	_	
	0 5 0																	~	∏ Bre ∏ Hei		0 10		
0 10 10																		~					

### **REACH** Technologies

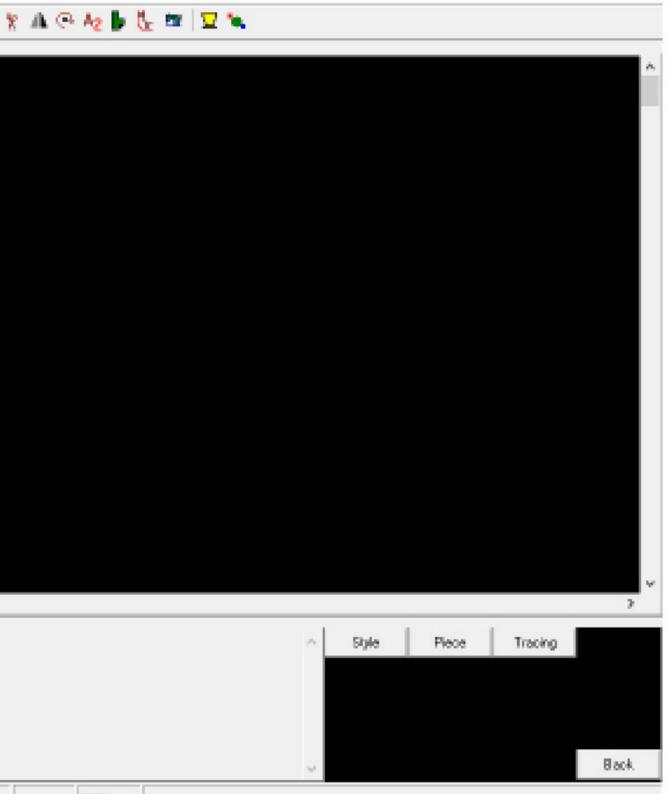


#### STEP-006 CLICK ON 'NEW' UNDER THE PIECE MENU.

New	Ctrl+N	1 Ba	Q, E	101	11	t.	<b>T</b> (	( <b>A</b>	٠	k.	▲ 8		<b>L</b>	•	7	***	•	h
Add	Ctrl+A									_								_
Rename																		
Delete																		
Open	Ctrl+0																	
Seve	Ctrl+S																	
Sever All	Ctrl+K																	
Open Tracing																		
Save Tracing																		
Import	Ctrl+1																	
Export	Ctrl+E																	
Plot	Ctrl+P																	
Digitize	Ctrl+D																	
History	Ctrl+H																	
		2						 				 		-	-	-		-
, D È	D																	
a  0 🖌	D																	
eat 💌 🛛	E Abe																	

### **REACH** Technologies

# **REACH CAD**





mma

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

REACH PDS Diece Edit View Setue Drew Tools Help Ouit	Wab			
Piece Edit View Setup Draw Tools Help Quit		8 🙇   📴 @ 💎 🗰 🗣   be 🚅 🏋 🕰	L 👁 Az 🖢 📞 💷  🔽 🛰	
				~
		New X		
		-		
		Create Style?		
		Yes No		
¢				>
			^	
Repeat 💌 🔽 🗆 🗆 Abs				
Apply				
Create New Pattern	1385.33, 606. 📑 0, 0 🔨 0	<b>L</b>	mms	

### **REACH** Technologies



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

REACH PDS																
Piece Edit View Setup Draw Tools He		1 T	AN	× <b>A</b>						-		-	0 1			A
	dalic	+	O IL		C. 8	<b>b</b>	0	•			•				A	-
						<b>@</b>	Create	New	Style							×
						Sty	ie Nam	e	-						7	
						e.,	lect	Fold								
						-	SPECE I	i one	) <b>F</b>	Picts	res	_			~	al
									•]	Save	ed Gar	nes				
									> 2	Sear Vide						
								>	PU	blc						
									Windo xal Disk							
						>			Corpora		1				1	
								1-5+0	RT							
													-			-
												OK		Cano	el	
<																
Repeat 💌 🔽 🗆 🗆 Abs																
Apply																
Create New Pattern	L,	1385.33,	606.	0, 0	)		0		ь.	-					1	

### **REACH** Technologies



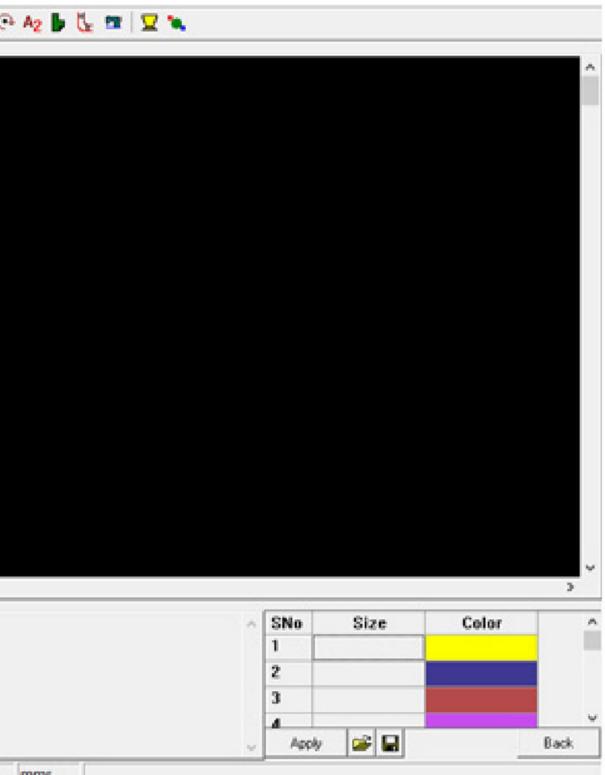


### STEP-009 CLICK ON SETUP MENU AND THEN SELECT 'SIZE'.

0 + 🛩 🖬 🗖	Size	Ctrl+1	1	1	<b>I</b>	X	6	N B	8		B	0 1	7 #	6.	-	8 1	
	Insert Size							-	 	 							_
	Unit	>															
	Material	Ctrl+2															
	Style	Ctrl=3															
	Piece	Ctrl=4															
	Snap	Ctrl+5															
	Others	Ctrl+6															
	Blocks	Ctrl+7															
	Fix Piece	Context															
	Export to WORD	)															
€																	
<	0 0 IT Ab: Apply																

### **REACH** Technologies

# **REACH CAD**



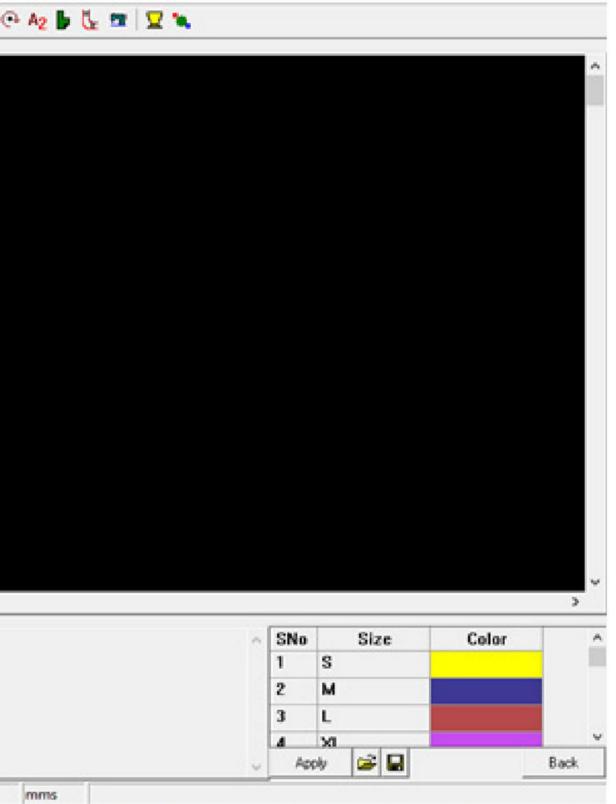


mms

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

			Setup									-		-	1.00					_	-	-	1.0	-			-	1		-		-
0	+ 🖻		0 0		X	•••	9	19	9	1	. (	. 1	T		K	6	6	A	4	9	•	•	B			-		Ь	1	X	A	C
<																																
T.		- 1	0																													
	-	_ 1																														
2	0		50		-																											
Repe	* •	0	ſ	- Ab	-																											
			A	oply																												
Ready											L.	300	, 14	67	Γ.	0, 0	)		1	0		L			-				-			

### **REACH** Technologies





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

REACH PDS Piece Edit View	Setup Draw Tools	Help Quit V	Veb												
0 + 📽 🖬	Size Insert Size	Ctrl+1			⊾ ▲ ð	8 🛔 🕒	@ 🍞 👭 🕻	)   ba 🚅 🦹	r / <b>A</b> (⊖ A <sub>2</sub>	🖞 📾 🛛 🗶 👟					
	Unit	>	Mms												^
S M TL XL XL	Material Style Piece	Ctrl+2 Ctrl+3 Ctrl+4	Cms Inches Inches (8)												
	Snap	Ctrl+5	Inches (16) Inches (32)												
	Others Blocks	Ctrl+6 Ctrl+7	Inches (54)												
	Fix Piece Export to WORD	Context													
<															~
	T Ab:										<	Name Client Order No	T-SHIRT	Base Size Season Unit	L v
REACH PDS - Release 1	Apply		13.91, 0	<b>[</b> ] 0, 0	N 0	<b>L</b>			L inches	1	Ŷ	Apply			Back

### **REACH** Technologies



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

REACH PDS Piece Edit View S	tup Draw Tools	Help Chuit 1	Neb																
	Size Insert Size	Ctrl+1		<b>I</b>	K	<u>}</u> <u>⊾</u> 4 (		6	• • • • •	P   bi g	€ ¥ /I	() A	<b>b</b> 6	2 🔪					
	Unit	>																	
S M "L XL XCL	Material	Ctrl=2																	_
1	Style	Ctrl+3																	
XL XXL	Piece	Ctrl+4																	
	Snap	Ctrl-5																	
	Others	Ctrl+6																	
	Blocks	Ctrl=7																	
	Fix Piece Export to WORD	Context																	
	open to more																		
<																			~
		- 0													~				
	0															Name	T-SHIRT		
205	0															Client		Season	
Repeat • 0	T Abt															Order No		Unit	Inches 💌
-	Apply															Apply			Back
Style Setup			L, 7.56,	0	0,0		0 1		1	[	L	inc	hes						

### **REACH** Technologies



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

REACH PDS		
Piece Edit View Setup Draw Tools Help		
D + ⊯ ∎   ∽ ∾   <b>≽</b> ∦ ∾   Q, 0	a a   \ \ \$ ≠ ⊕   X ≜ & ⊾ ∡ 8 & ≜   b ⊕ ♥ ₩ ♥   b ⊯ ≆ % ル ⊕ A₂ b	G 📼   🔽 🔌
		~
s		
M		
S M "L XL XCL		
AAL .		
٤		~
		Name T-SHIRT Base Size L
0 6		Client Season M ^
Repeat - 0 - Abs		Order No Unit 24. X4L V
Apply		U Apply Back
Ready	L 7.56, 0 L inches	

### **REACH** Technologies

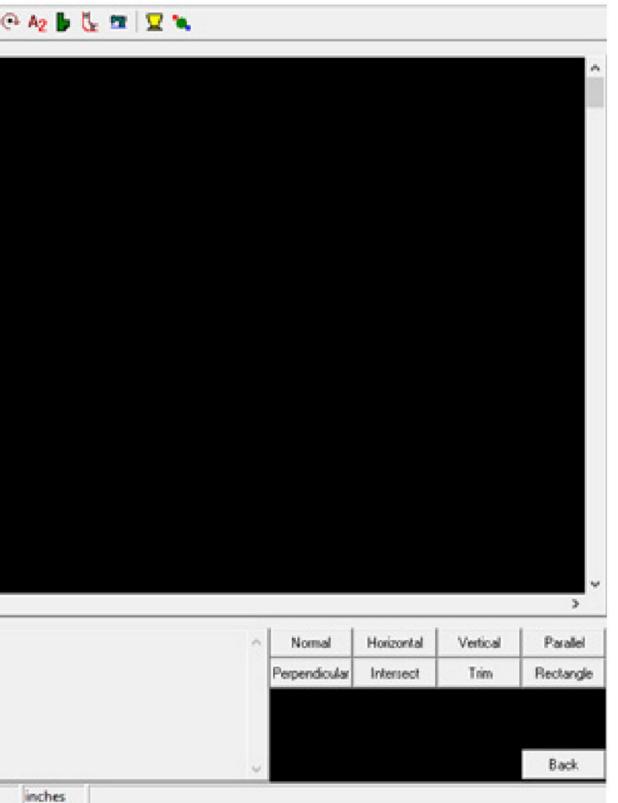


# STEP-014

CLICK ON DRAW LINES IN THE OPEN RECTANGLE IN THE RIGHT CORNER.

D + ⊯	Draw Lines	9 <u> </u> <u> </u> <u> </u>			0 7 M	9   bi 🚅 🦹 A
S M "L XL XXCL	Uraw Lines					
S M "L XL XOCL						
M "L XL XXL						
XL XXL						
(						
Repeat 💌 🔽 🗆 🗆 Abt						
Apply	L, 17.27, 0	0,0	N 0	<b>L.</b>		L

### **REACH** Technologies





### STEP-015 CHEST 1/2 MESUREMENT AND LENGTH MEASUREMENT APPLY

REACH PDS		
Piece Edit View Setup Draw Tools Help		
D + ∰ ₩   ∽ ≈   <b>*</b> % •   @ @ '	Q \ \ \ 1 ≠ ⊕   \ 1 ⊕ \ 2 ⊕ \ 2 ⊕ 0 ⊕ 0 ⊕ 0 ♥ # ♥   H \$\$ ¥ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$	
S		
S M "L XL XOL		
XXL		
<		· · · · · · · · · · · · · · · · · · ·
		Breadth 10.5
🖉 🔽 🔽 🔍		F Height 29
Repeat - 0 F Abs		
Apply		- Apply Back
Zoom All	L 248.67, 43.72 🗔 0, 0 🔪 0 L inches	

### **REACH** Technologies



### STEP-016 CLICK ON TRACING LINE ON REACH PDS OPEN

		View		_				_			_		_	_			_							_			_		_				_			_	
0	+ 6		-	0		-	¥	-	0	9,	Q,	9		1	5	1	T	0	N		9	-	. 🔺	0	1			6	0	1	-			6.	2	X	A
																								G							-	-					
	e																							T								T					
	S M																																				
	'L XL																																				
	XOCL.																																				
																								4							_						
<														_											_		_										
r.		_	t	0		-																															
	-	_	L			_																															
2	0		5	0																																	
Repe	et 💌	0		ſ	- A	bs																															
				A	ooly		1																														
eady			-	_		-	-	-	-	-	-	-	-	-	+	41	-	15 31	T.	0	0	-	IN.	0		8	5.	-	-	-	-	-	-	-	1	L	

### **REACH** Technologies

# **REACH CAD**

A2 🖡 🔓 🕿	2 🔪		
			^
			÷
		P Breadth 10.5 P Height 29	>
		Apply	Back
5 . I			10 10 10 1 1



inches

### STEP-017 ZOOM ON TO THE TOP NECK CORNER POINT

REACH PDS				
Piece Edit View Setup Draw Tools Help Quit				
D + 😂 🖬   🕫 ra   🕨 🕺 💌   Q Q Q   1	/(;=0  <u>K</u>   % F 49	💩 🔮   📴 🔍 🦓 🗰 🖉   bi 😂	🦹 🕰 🕂 A2 🖡 🖫 🔤 🔽 🔌	
M				
S M *L XL XCL				
XXI.				
				↓
C				>
				Breadth 10.5
				F Height 10.5
Repeat 💌 🔲 🥅 Abs				-
Apply				Apply Back
Ready	L 37.32, 16.12 1 0, 0	<b>L</b> .	L inches	- Apply Dack
and a second sec	H Strong Torne 1 4 V V	- And	a and the	

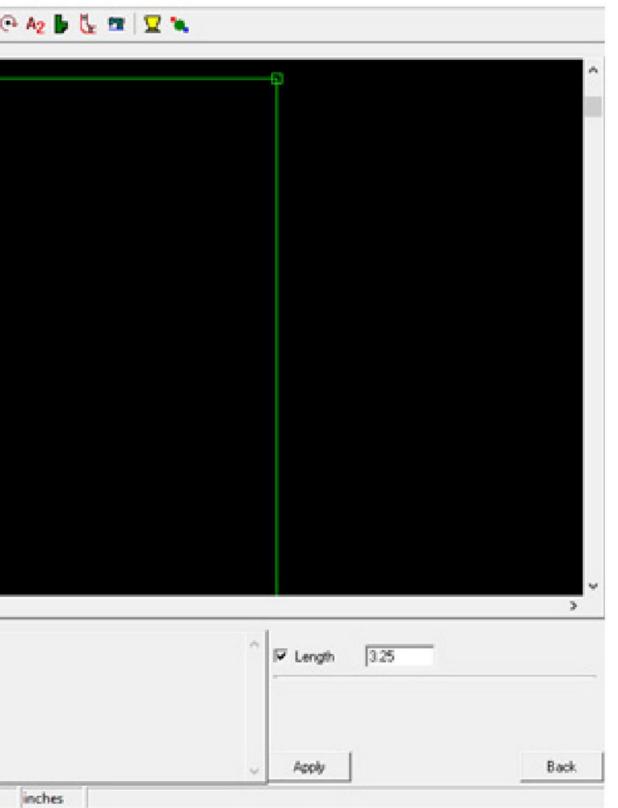
### **REACH** Technologies



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

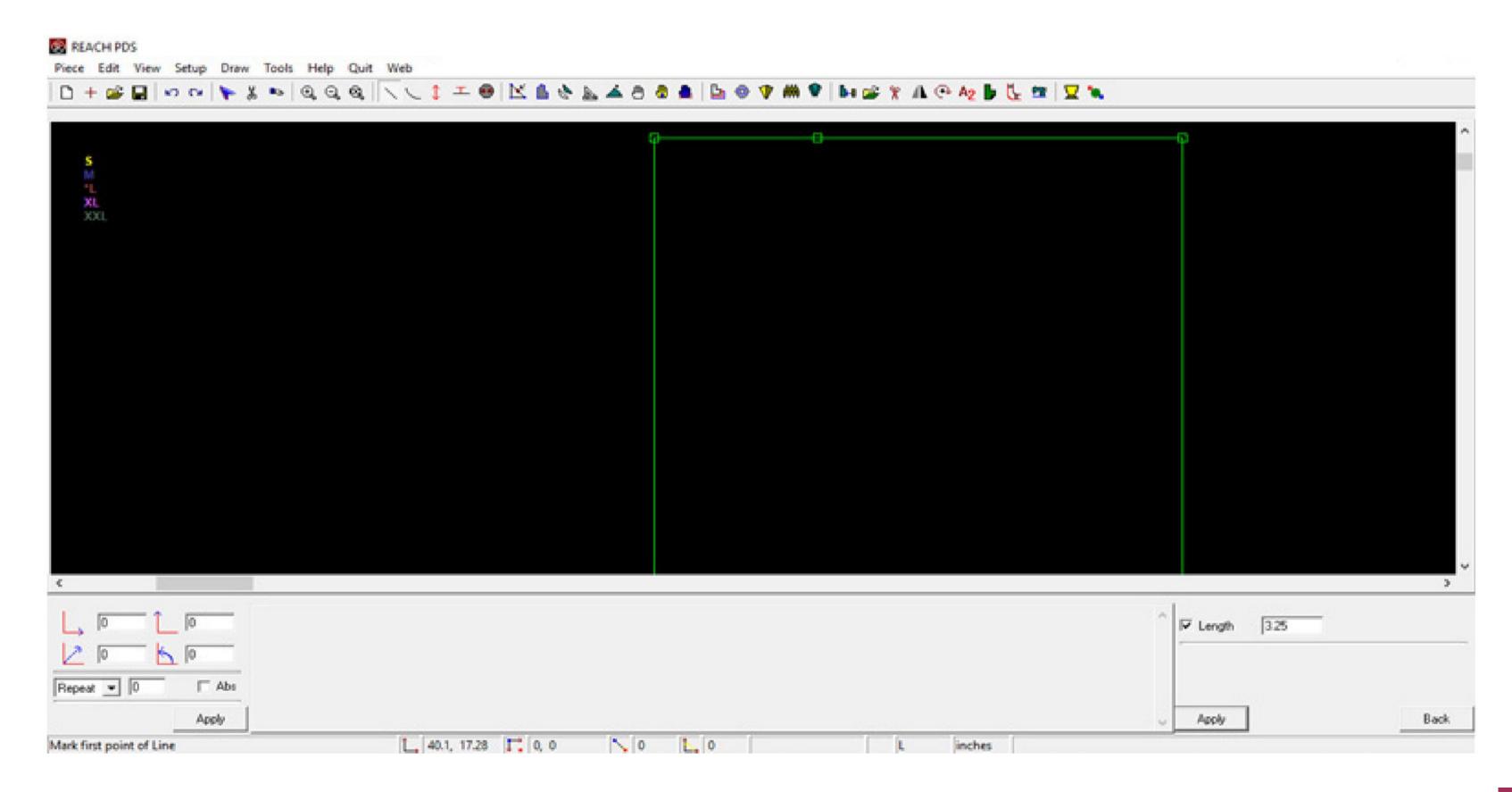
Piece Edit View Setup						1.	- 0	IN I	4	B. 4	. A			B			he	<b>1</b>		16
			4 4	1 - 4		*	-			- 49	- 0	-	-	1 60	~		1	-	~ ~	• •
												φ-								
S M																				
"L XL																				
XXL																				
¢																				
	_																			
20 60																				
Repeat 💌 🛛	Abs																			
A	why																			
	_	_	_	_	-	51, 2	-	<b>[</b> ]			0	-	-	25.	_	 _	_	-	-	

### **REACH** Technologies





### STEP-019 APPLY ON POINT NECK WIDTH OF MEASUREMENT



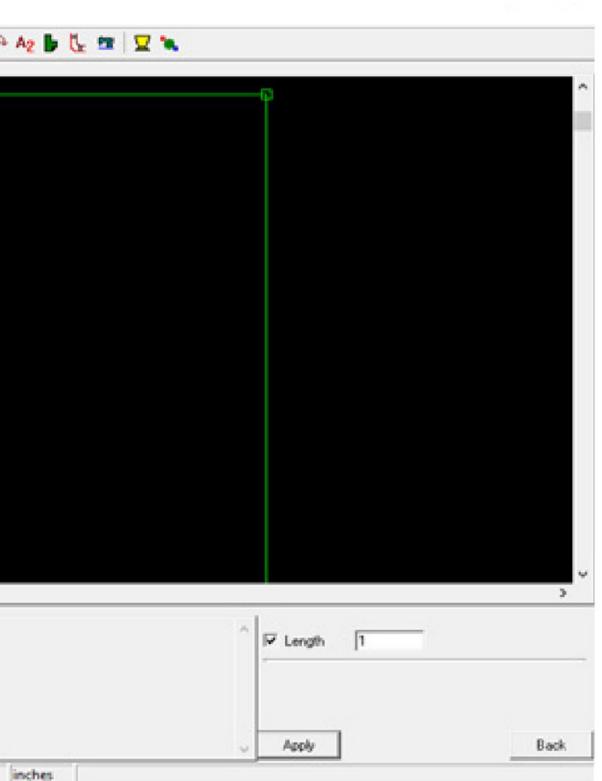
### **REACH** Technologies



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

Piece Edit		ap Dra	w Too	dis 1	Help	Qui	t W	/eb																					
0 + 📽									1	I	•		6	4	A	*	8	٥		6	0		***	•	bi	-	¥	А	¢
																		φ-						0					
S M																													
S M YL XL XOL																		f											
XXL																													
<																													_
L 10																													
20	<u> </u>																												
Repeat 💌	0	T Abs																											
		Apply				_	_		_	_						1.		_				_			_				
Mark first poir	it of Line							L	41,	01, 1	9.04	Γ.	0, 0			1	0		L	90							L		

### **REACH** Technologies

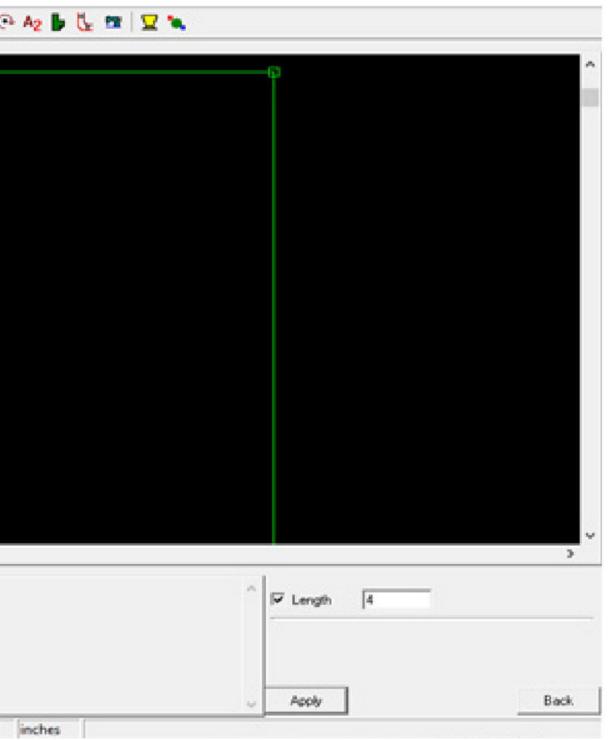




### STEP-021 NEXT, TO MAKE THE FRONT NECK DROP, CLICK ON THE VERTICAL LINE AND APPLY MEASUREMENTS

REACH PDS Piece Edit Vie	an Cature	Denne	Tech	 ala	0.0	- 16	lab.																			
								1	I	•	K	6	4	k.	*	9	٩		6	0	7	**	۲	b	¥	A
																	φ						0			
S M																										
S M M XL XL XC																	٩									
XXI.																										
																	ф.									
¢																	÷									
L 10	1 0																									
	50	_																								
Repeat 💌 🛛	- r	Abs																								
	Ap	oly																								
Mark first point of	Line						L,	40.	93, 2	1.45	Γ.	0, 0	)		1	0		ь,	90						L	

### **REACH** Technologies

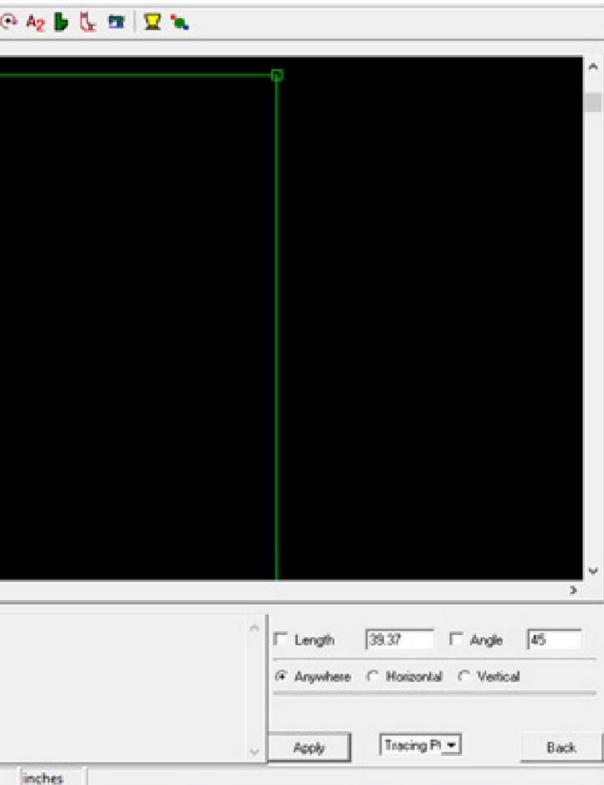




# STEP-022 SELECT THE CURVE LINES DRAWN AND THEN SELECT 4 BEZIER POINTS AND DRAW BACK NECK.

REACH PDS Piece Edit View Setup Draw Tools He	n Ouit Web		
		1 & L 4 0 4	b ▲   📴 @ 🖤 🗰 🗣   be 🚅 🏋 J
		f	<i>p</i>
S M "L XL XCL			××
XL XXL			
		<b>6</b>	
د		- 20	
Repeat • 0 F Abs			
Zoom Out	1, 39.44, 20.7	0,0 0	L. 25.02

### **REACH** Technologies





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

REACH PDS Piece Edit View Setup Draw Tools He	elo Quit Web	
	Q Q \ \ \ \$ # @   \ <b>A</b> @ & <b>A</b> @ & <b>A</b>   <b>D</b> @ ♥ # ♥   <b>H</b> @ ♥ A @ A₂ <b>b</b>	🖞 🚾 🛛 🔽 🛰
S M L XL XXL		
<		>
Move	L 42.51, 17.63 C 0, 0 0 L 136.55 L inches	

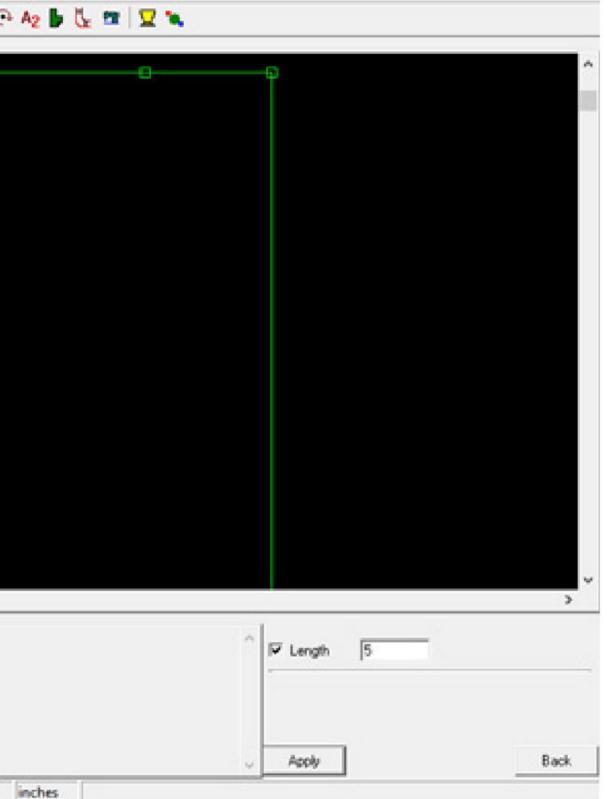
### **REACH** Technologies



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

	Edi														0	3.4					-	-		1.0							0	
U	+ 🖬						Å	0	đ	q	eđ	1	-	-		21	-	0	2.	-	0	-	-			9 1		• •	<b>D</b>	<b>\$</b>	X	A.
																						Q-						-0				
	S																										1	1				
	"L. XL																					+	-		-	X		1				
	XXCL.																										1	1				
																											1					
																											1					
																								_	1/2		×					
																						÷										
¢																																
r.	0		+	F	0																											
2	_		· L																													
<u>×</u>	0	1.07		1	-		-																									
Repe	w _	0			Г	Abt																										
					Apt	ply																										

### **REACH** Technologies





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

REACH PDS		
Piece Edit View Setup Draw Tools Help		
D + 🗟 🖪 🗠 🗠 🕨 🖉 🗇	( Q   < < 1 = ⊕   ≤ ≜ ⊗ ⊾ ∡ ∂ ∂ ≜   ⊑ ⊕ ♥ M ♥   ⊨ ⊯ ¥ ル ⊕ № ₽	E 💷 🔽 🔌
		· · · · · · · · · · · · · · · · · · ·
s	та и Палана и П	
M		
S M 1L XL 200L		
AAL.		
	× ×	
¢		×
1		
		E Length
Repeat 💌 🔽 🗆 🗆 Abs		
Apply		. Apply Back
Mark first point of Line	L 41.22, 19.08 C 0, 0 0 90 L inches	

### **REACH** Technologies

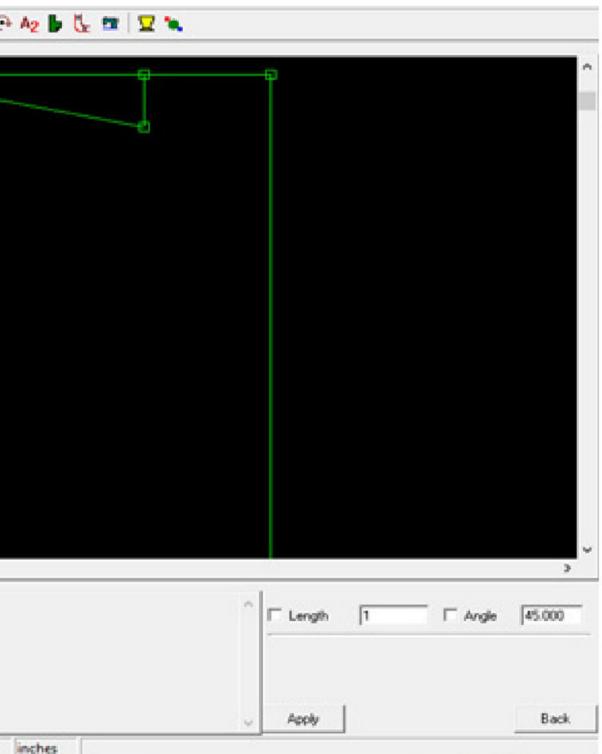


### STEP-026

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

REACH PDS Piece Edit View Setup Draw Tools Help	Ouit Web			
D + 📽 🖬 🗠 റ ര 🌾 🗶 🍬 🍳 🤆		1 A 8 8	🛓 🕒 🛛 💎 👭 🎙	
		ф		
S M			1	
S M *L XL XCL		1	× /	
		-	X X	
		a a		
<				
Repeat  0  Ab:				
Apply Draw Lines	L 42.32, 20.52 L 0, 0	N 0	11.29	1

### **REACH** Technologies





### STEP-027

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

REACH PDS				
Piece Edit View Setup Draw Tools Hel				
0 + 🗟 🖥   🗠 🗠   🖗 🖇   🎯 י	QQ /(\$ = 0 K 1 & k	▲ ð ð ≜   🔄 🛛 🗘 🗰 🗸	▶ 🚔 ¥ /L (↔ A₂ 🕨 🔓 🖬 🔽 '	•
				~
S M TL XL XXL				
د				>
				^ I Length 33.37 □ Angle 45
🖉 lo 🖌 lo				C Anywhere @ Horizontal C Vertical
Repeat 💌 🔽 🗂 🖓				
Apply				. Apply Tracing Pl_ Back
Move	L 46.17, 26.98 L 0, 0	0 110	L inches	

### **REACH** Technologies



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

REACH PDS		
Piece Edit View Setup Draw Tools Help Q	luit Web 3.   ∖ ∖ ‡ ≖ ⊕   ⊠ ≜ & L ▲ ि & L   ⊡ © ♥ M ♥   bi ⊯ ∦ /L @ Ag	🖡 🖏 🕿 🕱
		C Anywhere C Horizontal C Vertical
Apply	L 36.39, 22.41 -22.51, 0 0 L 180 L inch	Apply Tracing Pi  Back Back

### **REACH** Technologies



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

REACH PDS		
Piece Edit View Setup Draw Tools H	Help Quit Web Q. Q. Q.   \ \ 1 = @   \ 6 & & & A A A A A A A A A A A A A A A A	
<		~
Image: Contract of the second sec		Back
Mark Starting Point of Area	L 48.38, 16.88 T 0, 0 L 180 L inches	

### **REACH** Technologies

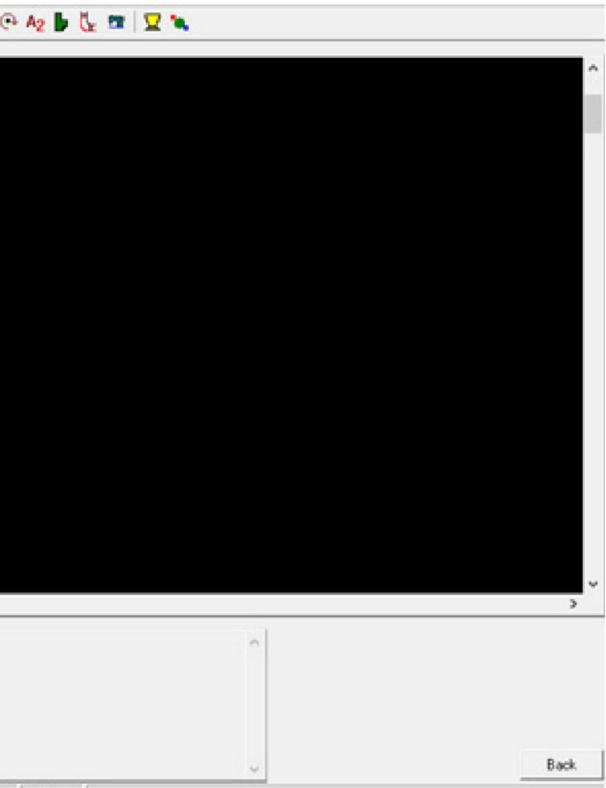


### STEP-030 Delete the selection tool and cut all the yellow lines.

REACH PDS Piece Edit View Setup Draw Tools H	lelp Quit Web		
0 + 🗃 🖬 🗠 🗠 🖡 🐒 🍳	QQ\\\\$ = 0 <u>K</u> 6 &	A 8 8 A B	1 🖇 🐨 🖬 🗣 🖬 🕸 🕺 👖
		and the	
S M			Ĭ
S M "L XL XOCL		G-*××	
XXL			
			X
			××
		G	
٢			
Repeat - 0 - Abs			
Apply			
Delete Selection	1, 32.98, 26.57 1, 0, 0	0 18	0 [ L

### **REACH** Technologies

# **REACH CAD**





inches

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

REACH PDS					
Piece Edit View Setup Draw Tools Help Quit					
🗅 + 😂 🖬 🗠 ଦ 🕨 🔭 ୫ ାର୍ର୍ର୍	🔨 🤇 💲 🍽 🗹 🛔 🔌 🖕 🔺 8	5 @ 🌲   📴 @ 💎 👭 🗣   🖬 🚅 🏌	🗛 🕂 A2 🖡 🕵 🚾 🔽 🛰		
<		9			~
L 0 1 0 2 0 k 0 Repeat ■ 0 □ Ab:				Length 95 C Angle	
Apply				Apply	Back
Mark first point of Line	L, 60.43, 21.91 T. 0, 0	0 📐 89.85	L inches		

### **REACH** Technologies



### STEP-032

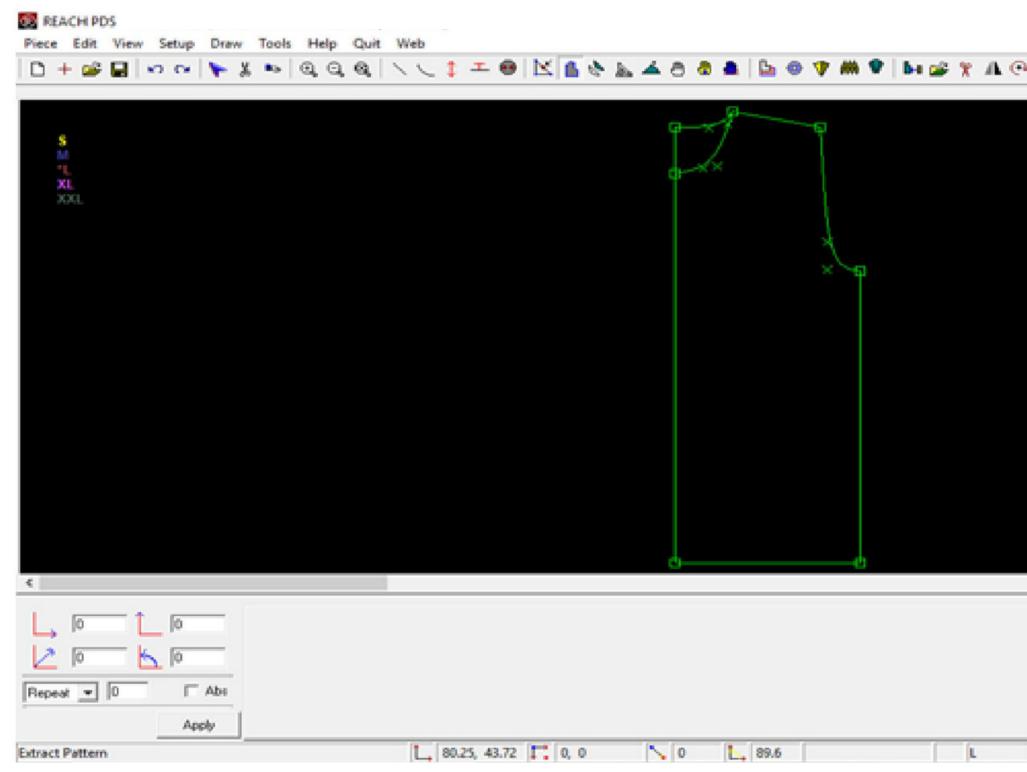
GO TO NORMAL LINE AND JOIN THE LOWER ARMHOLE POINT TO THE BOTTOM POINT.

REACH PDS Piece Edit View Setup Draw Tools Help Quit	Web	
	\[         \lambda \]     \[	P A2 🖡 📞 🕿 🖾 🛰
S M U X X X X X X X X		
٤		>
		C Length 95 □ Angle 45.000
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.



### **REACH** Technologies

- A;	Þ	6	-	<b>N</b>				
								~
								_
								>
				~	Smallest	Largest	Replace	Cut-Out
					Avea			
				~				Back
line	hes	1						



# STEP-034

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

REACH PDS		
Piece Edit View Setup Draw Tools Help Quit		
] + ∰   N ∪   <b>k</b> % ∞   d d d	│ヽ <b>└┆</b> ≖⊜ ⊻ <mark>≧</mark> è⊾∡∂∂ <b>≜</b>   <b>Ъ</b> ⊚♥₩♥  <b>ы</b> ⊯∦∧ <b>∩</b> ₂ <b>b</b> <u>⊾</u> ¤ ⊻×	
S M TL XL XXL		
<		>
		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



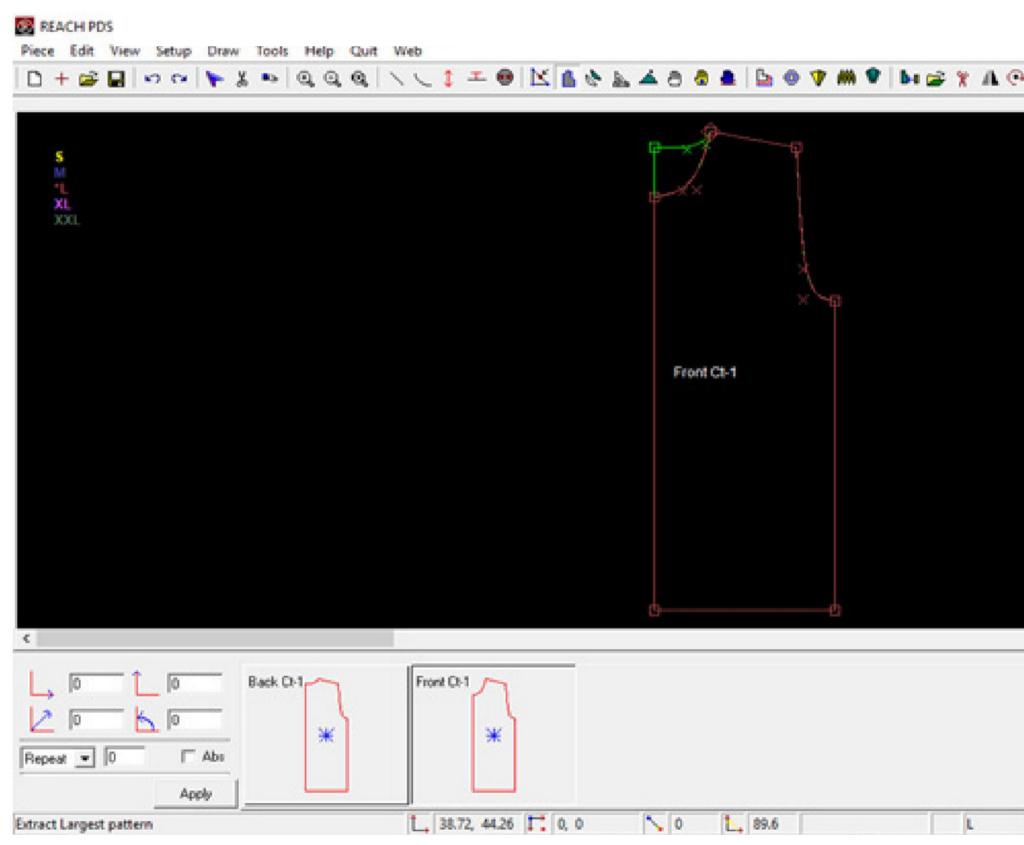
### STEP-035 WITH ONE CLICK PATTERN IS CREATED ON THE BACK

REACH PDS		
Piece Edit View Setup Draw Tools Help Quit	Web N C 1	2 🛰
	Back Ct-1	
Image: Character of the sector of the sec		Apply Back
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

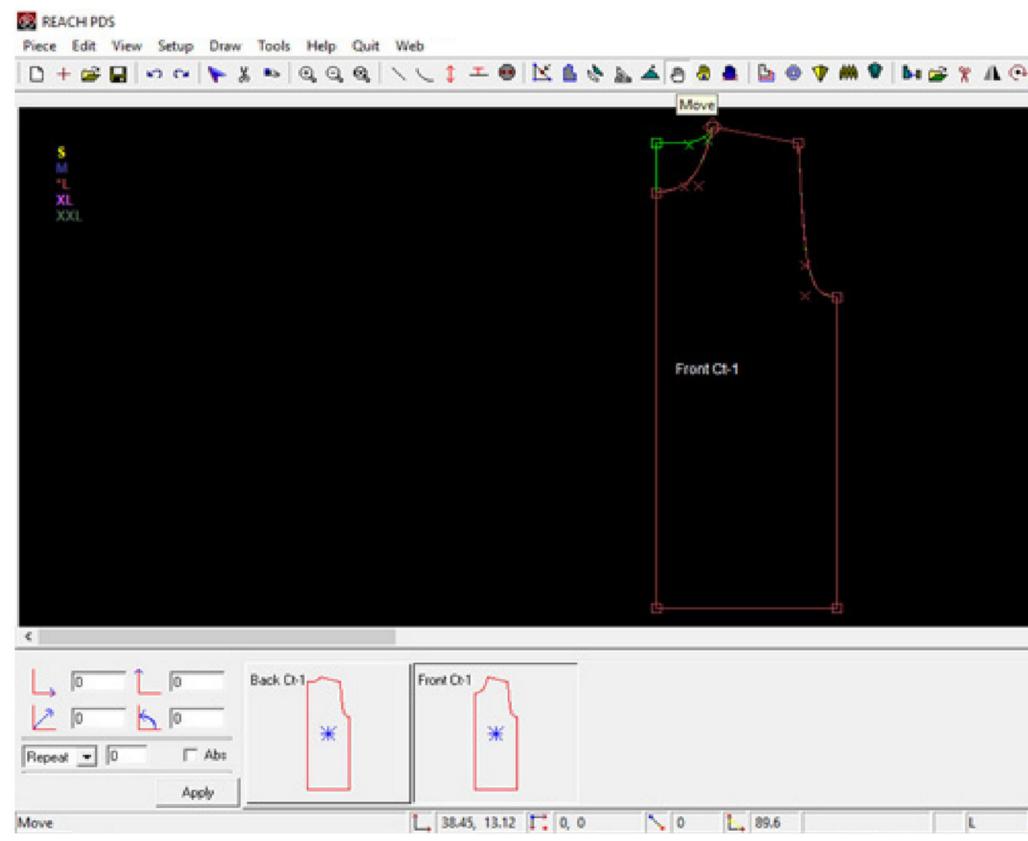


#### **REACH** Technologies

A2 🖡 📞 🕿 🛛 🔽	×			
				>
	^	Name	FRONT CT-1	
		Extract	All Sizes	
		Apply	1	Back



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

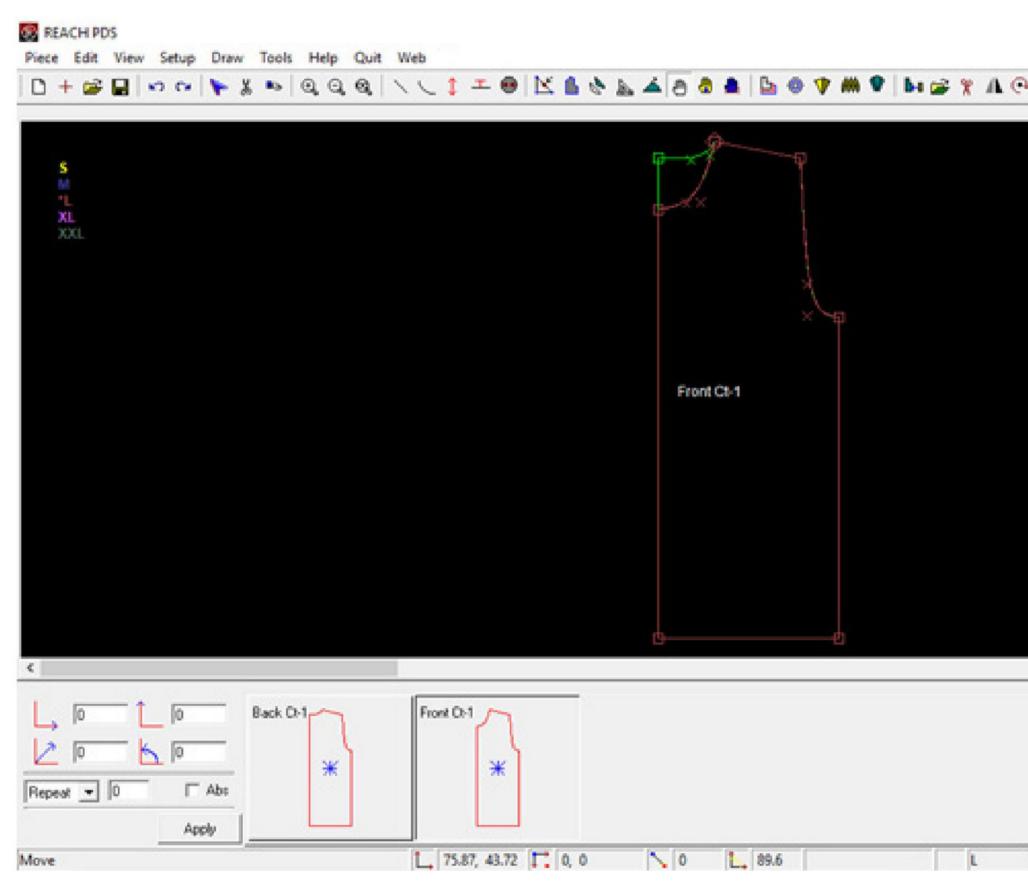


### **REACH** Technologies

A2 🖡 🕵 📼 🖾	<b>N</b> (1997)				
					^
					>
	~	E Length	[39.37 Г	Angle A	15
		and the second s	(* Horizontal		
inches	Y	Apply	Tracing Pl -	_	Back



#### STEP-038 CLICK AND APPLY PATTERN ANYWHERE.

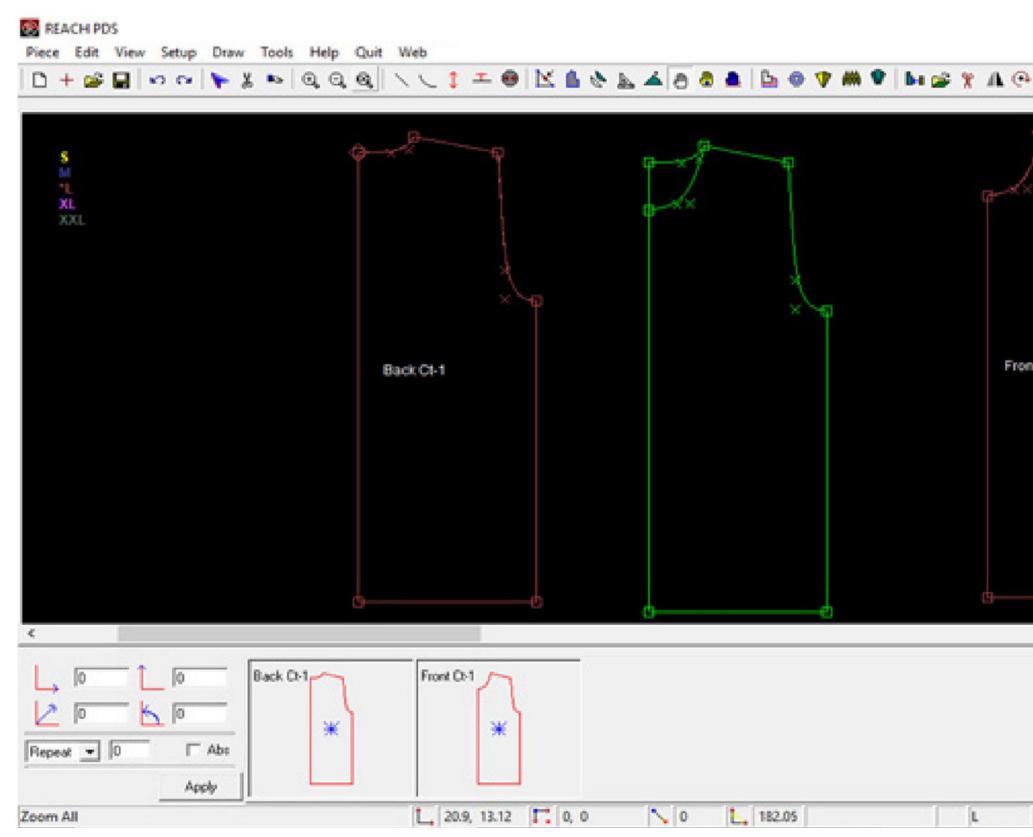


## **REACH** Technologies

A2 🖡	<b>L n</b>	21	•				
							>
			^	IT Length	39.37	□ Angle	45
				(* Anywhere	C Horizontal	C Vertica	
				Ande	Pallers	-	Paul
nches			v	Apply	Pattern	•	Back



### STEP-039 MOVE TO FRONT AND BACK PATTERN SAVE

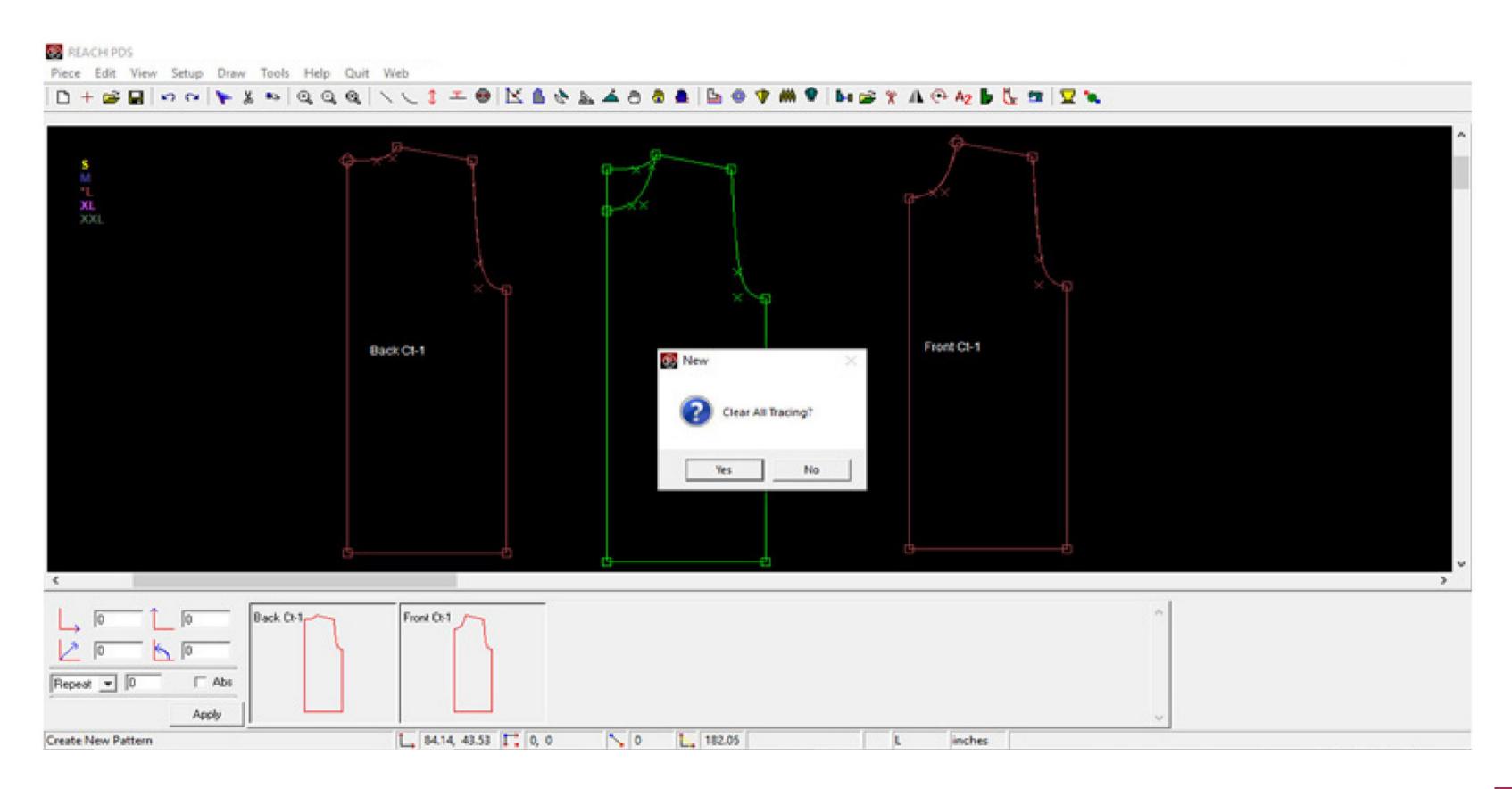


## **REACH** Technologies

7.1		😼 🖥 📞 🕿  🔽 👟			
3-1 3-1	► Length 39.37 F Angle 45				
	>	×-1			
	>				



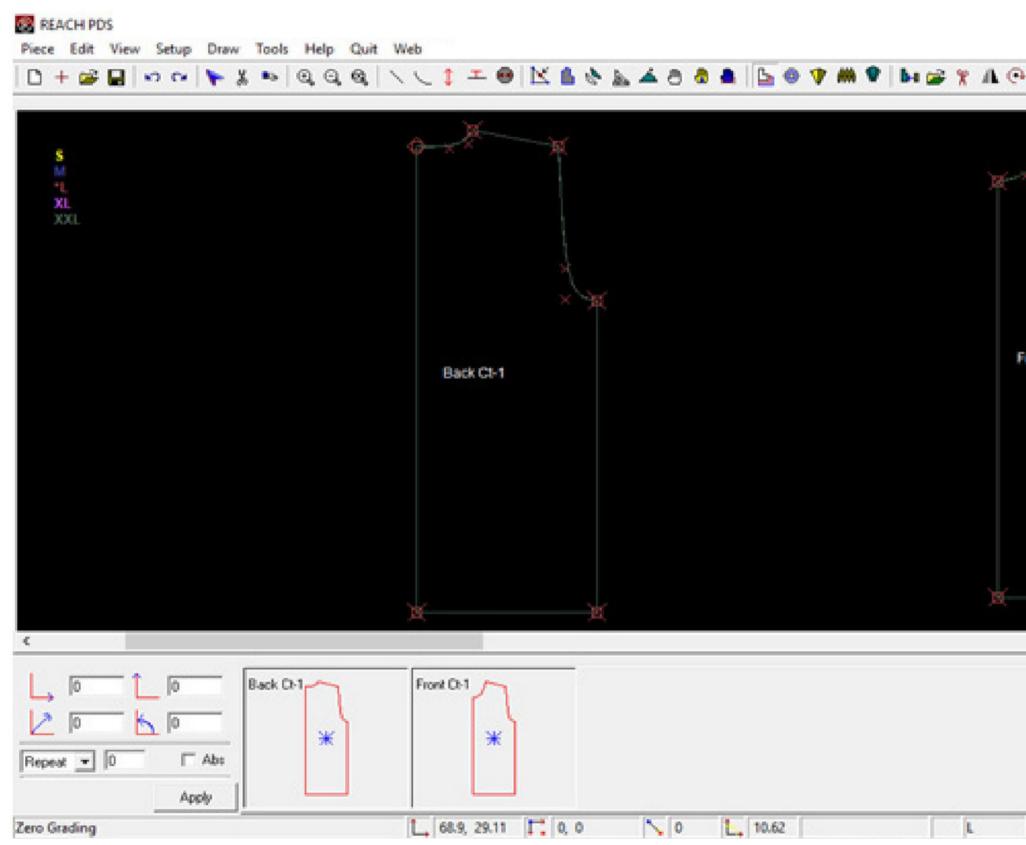
GO TO PIECE TOOL AND NEW CLICK RIGHT SIDE TRACING CLICK TRACING ALL CLEAR YES APPLY



### **REACH** Technologies



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

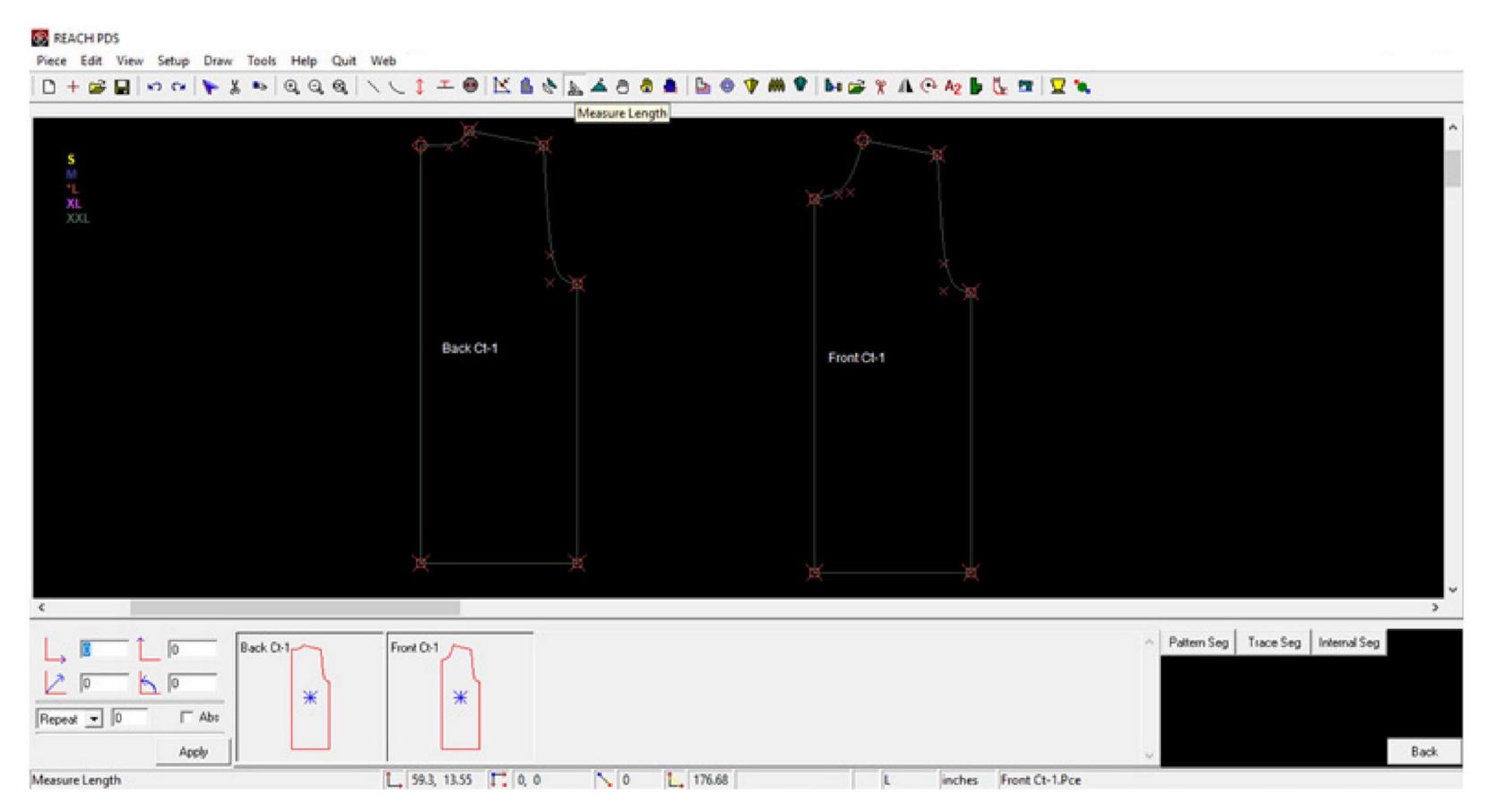


### **REACH** Technologies

A2 🖢 💺 🕿  🔽 👟		
X		
ont CI-1		
X		~
	Grade Auto •	
inches	, Apply	Back



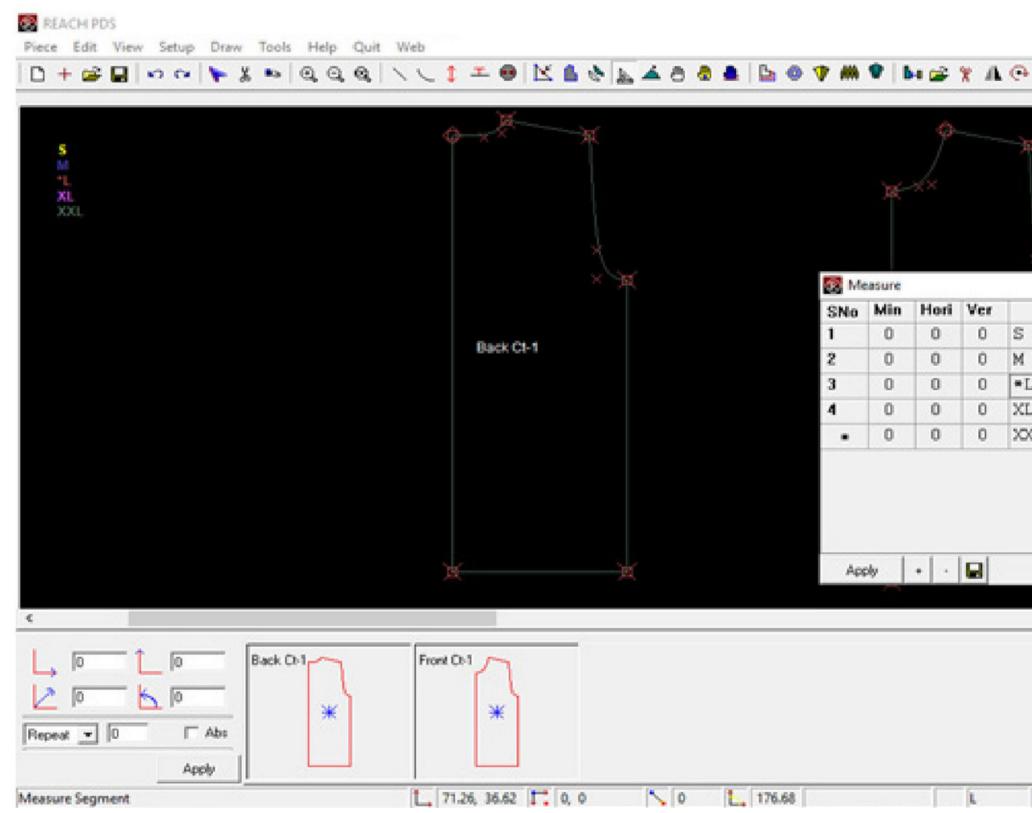
#### STEP-042 ON NEXT SLEEVE PATTERN CLICK ON MEASURE TOOL.



## **REACH** Technologies



#### IN THE BOTTOM RIGHT CORNER, SELECT 'PATTERN SEG'

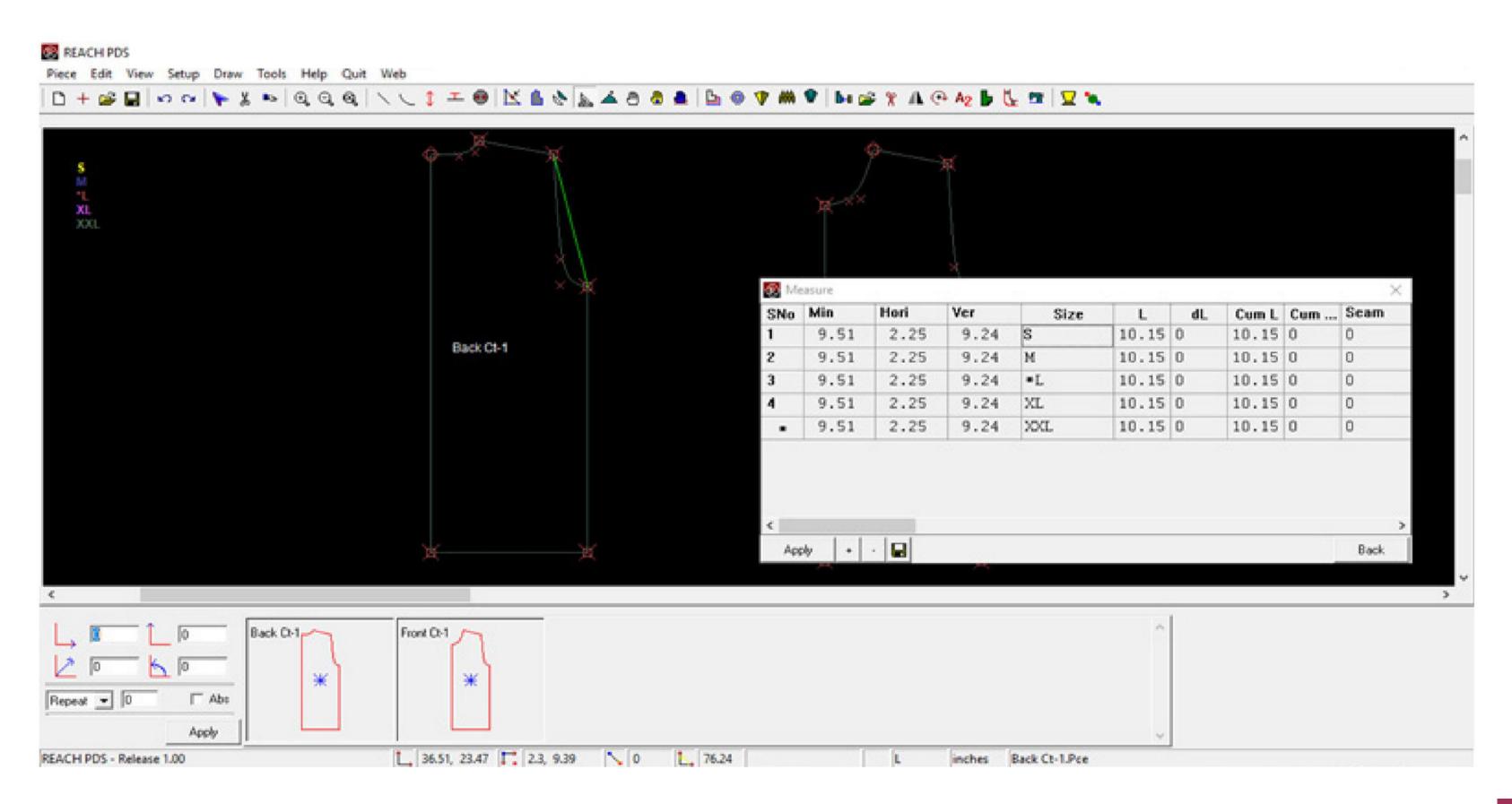


## **REACH** Technologies

ł						×
Size	L	dL	Cum L	Cum	Seam	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
L	0	0	0	0	0	
						Back



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



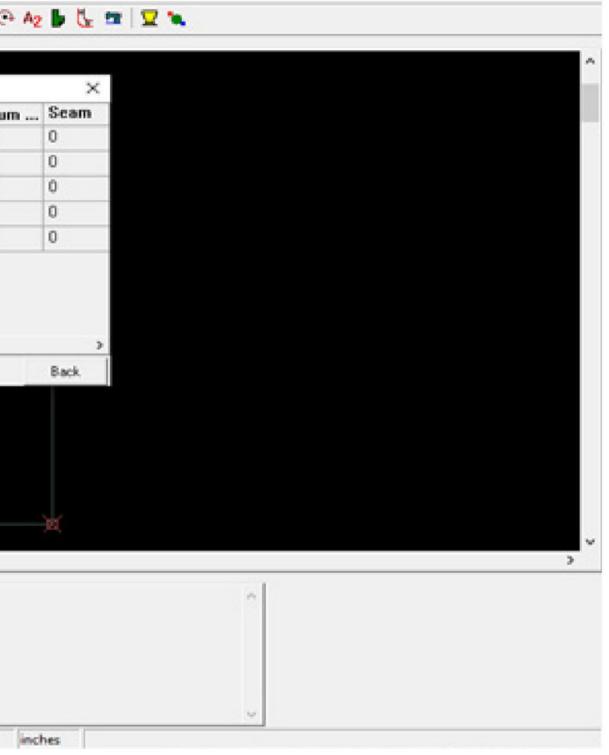
## **REACH** Technologies



#### ARMHOLE MEASUREMENT IS 10.15 INCHES. NOTE THIS MEASUREMENT.

D + ⊯ ₩   ∽ ~   <b>&gt;</b> ×   Q Q Q		• •			0 💩 📥 🕒	•••		H 📽 🦹 /	
	50 M.	easure						æ.	
S M TL XL XCL	SNo		Hori	Ver	Size	L	dL	Cum L	Cun
*L XI	1	9.51	2.25	9.24	S	10.15		10.15	0
XOL.	2	9.51	2.25	9.24	м	10.15	and the second se	10.15	0
	3	9.51	2.25	9.24	*L	10.15	0	10.15	0
	4	9.51	2.25	9.24	XL	10.15		10.15	0
		9.51	2.25	9.24	XXL	10.15		10.15	0
	Ap	ply +							
		oly   •	·	X			×		
<	Ap	ely   •		*			×		

## **REACH** Technologies





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

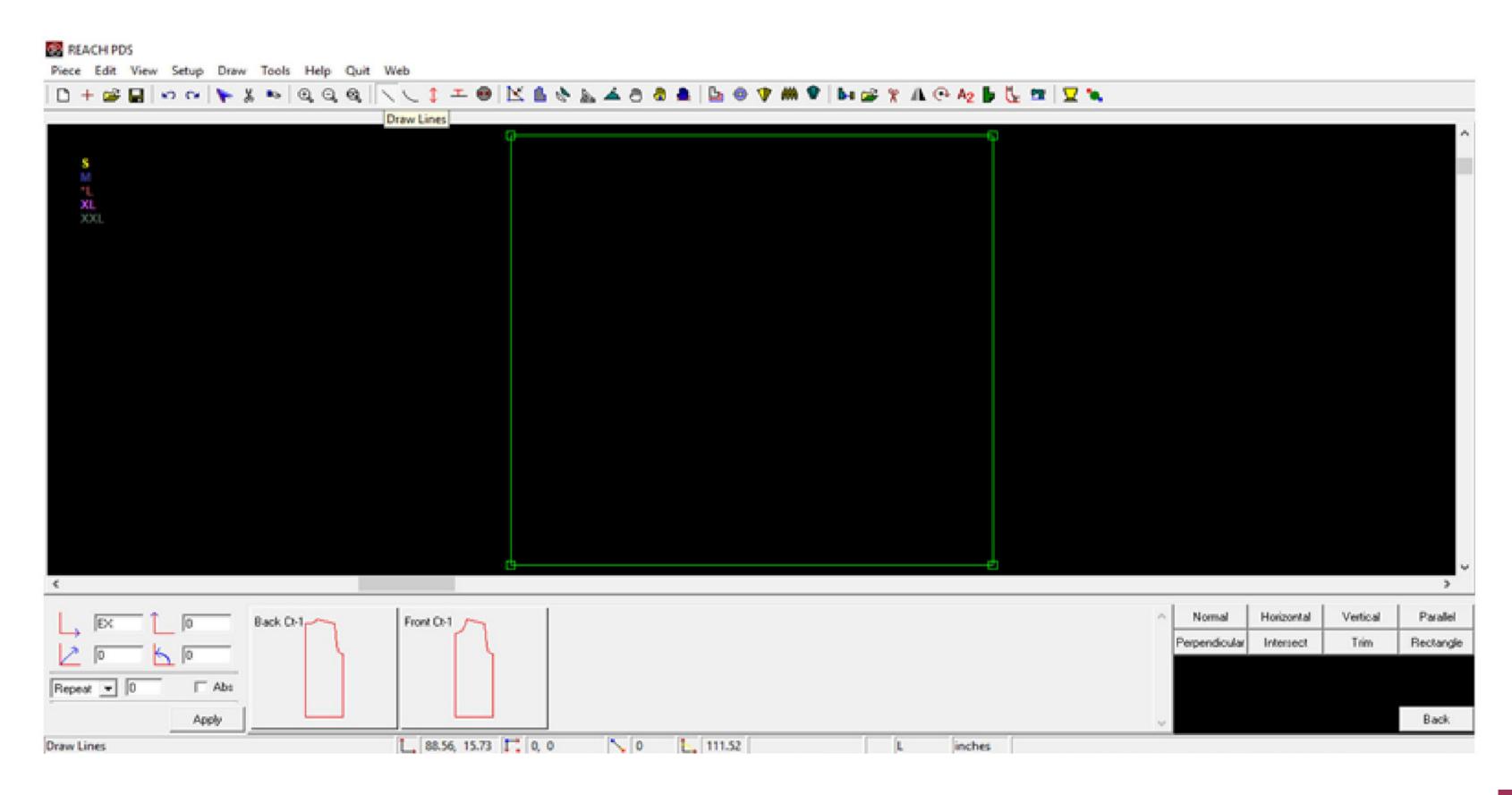
Piece Edit View Setup Draw Tools	-	± ⊕   ⊻ I	6 & 1	h 🔺	8	٠	<b>b</b>	0 7	<i>i</i> 1	P   bi	<b>\$</b>	¥ /	n e
Repeat  0  Apply Coom All		23.1			0							L	

## **REACH** Technologies

	^
	•
∩ I⊽ Breadth [9.5 I⊽ Height [9	
- Apply Back	_



### 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.

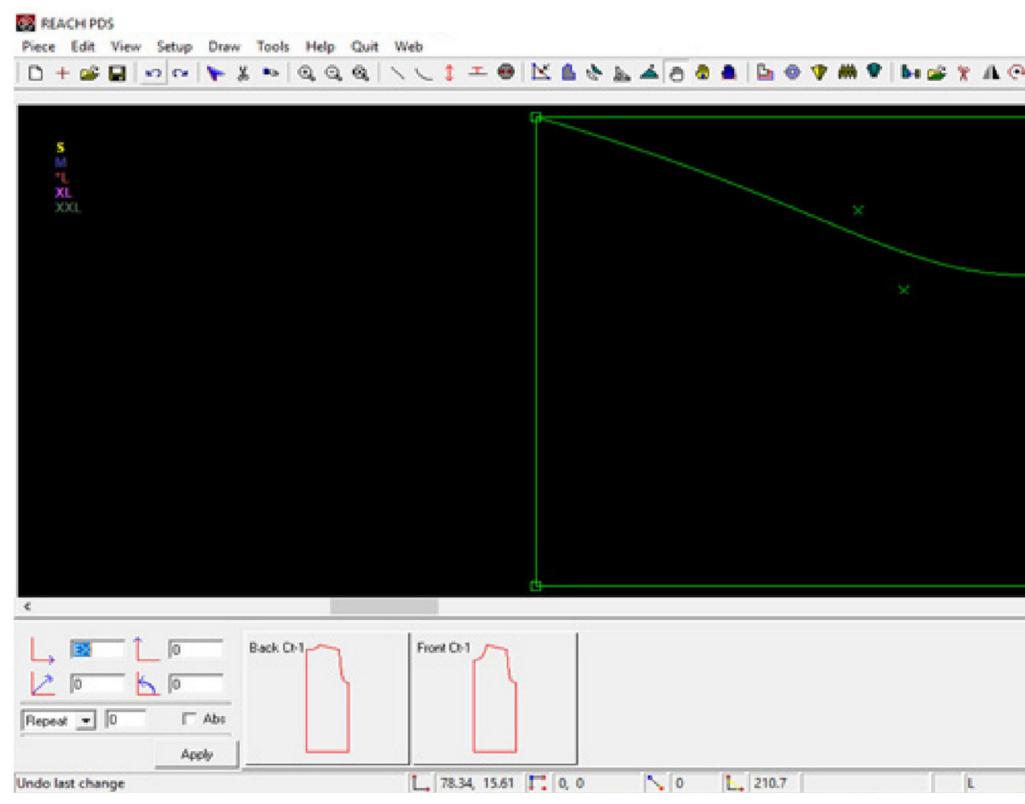
Piece Edit View Setup Draw Tools Help O	Web \[   \]   \[	10
S M *L XL XXL		
C	Front Or 1	

## **REACH** Technologies

▶ <u>८</u> ¤   ⊻ '			
-0			>
	∩ I⊽ Length	3	
		1	
	. Apply	Ba	ack.



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

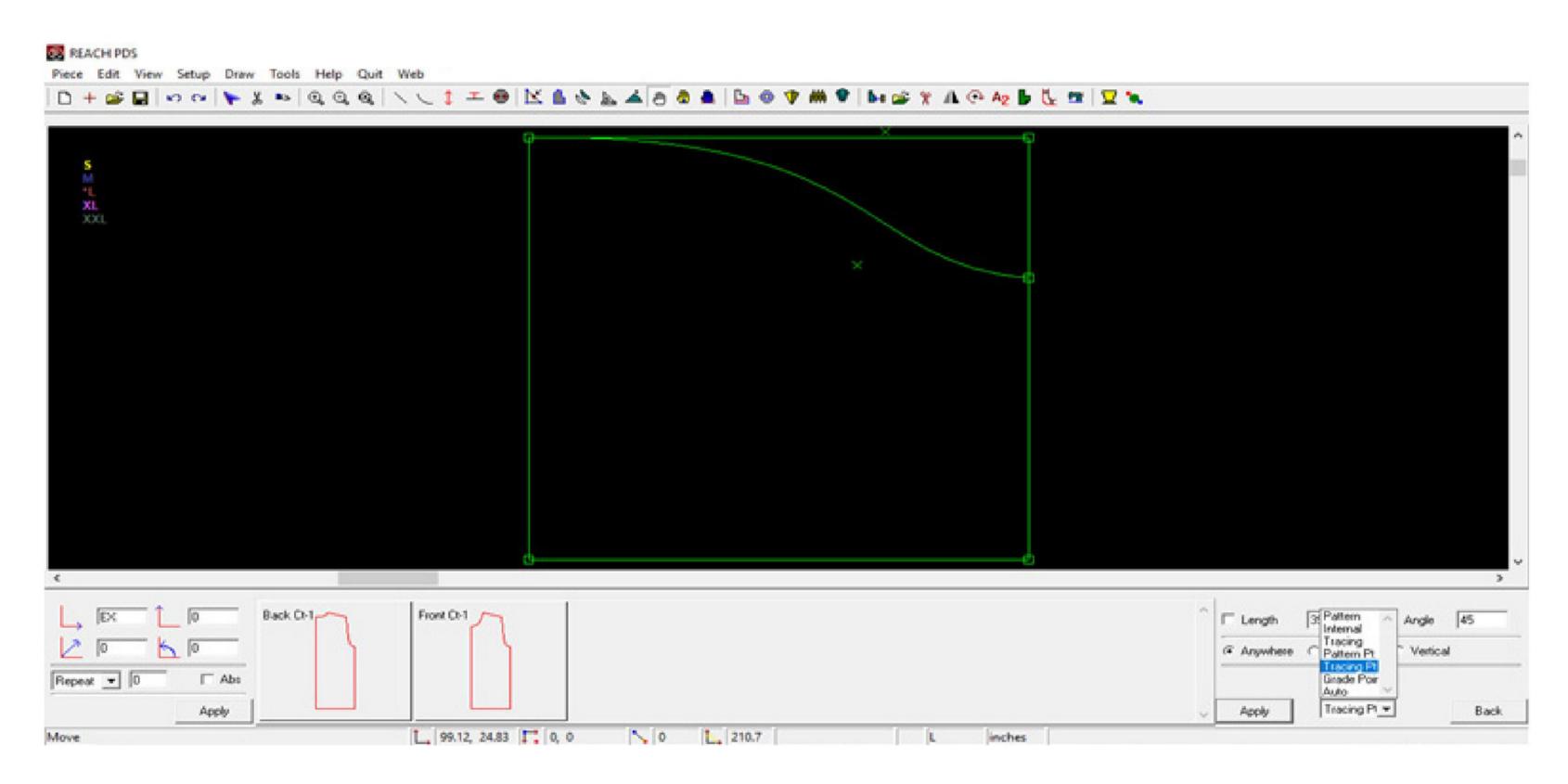


### **REACH** Technologies

2 10 12	<b>m</b>   <b>V</b>	*					
-9							
e							
							>
			^   r	Length	39.37		gie 45
			G	Anywhere	C Horiz	ontal C V	ertical
			_	Apply	-	vg Pi ▼	Back



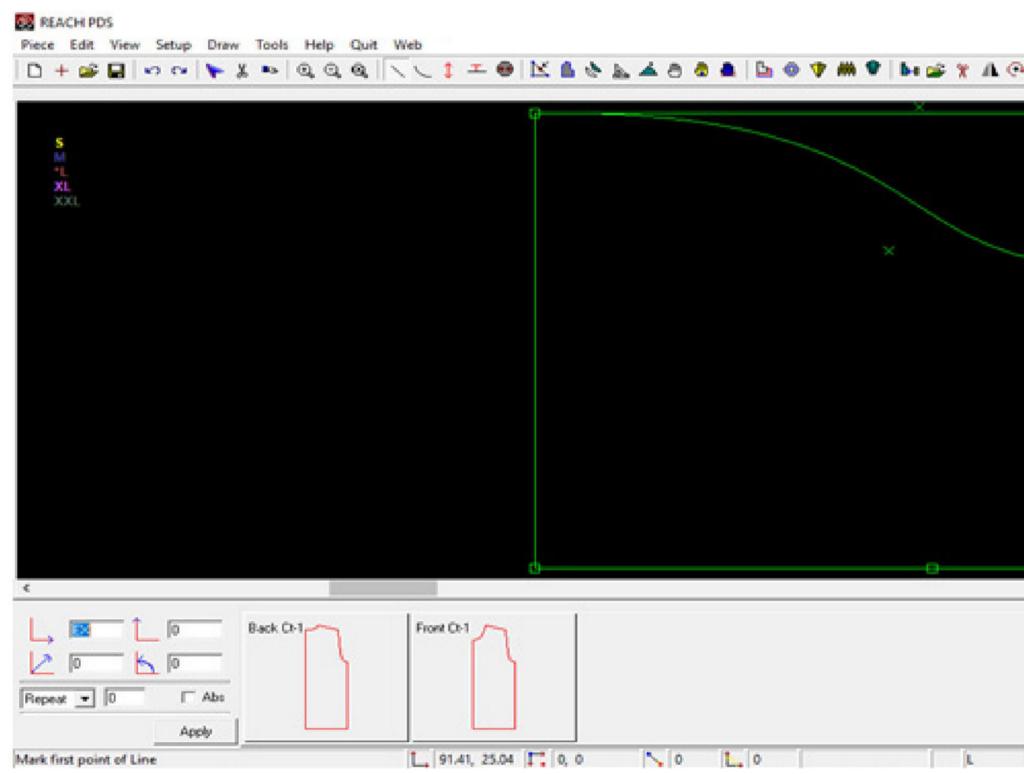
IN THE RIGHT-SIDE BOX, CLICK ON THE MOVE TOOL AND CHANGE TO 'TRACING POINT' AND CLICK ON APPLY.



#### **REACH** Technologies



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



### **REACH** Technologies

A2 🖥 🗓 💷 🛛	Z 🛰	
		^
		>
	C Length 7	
	Apply	Back
nches		



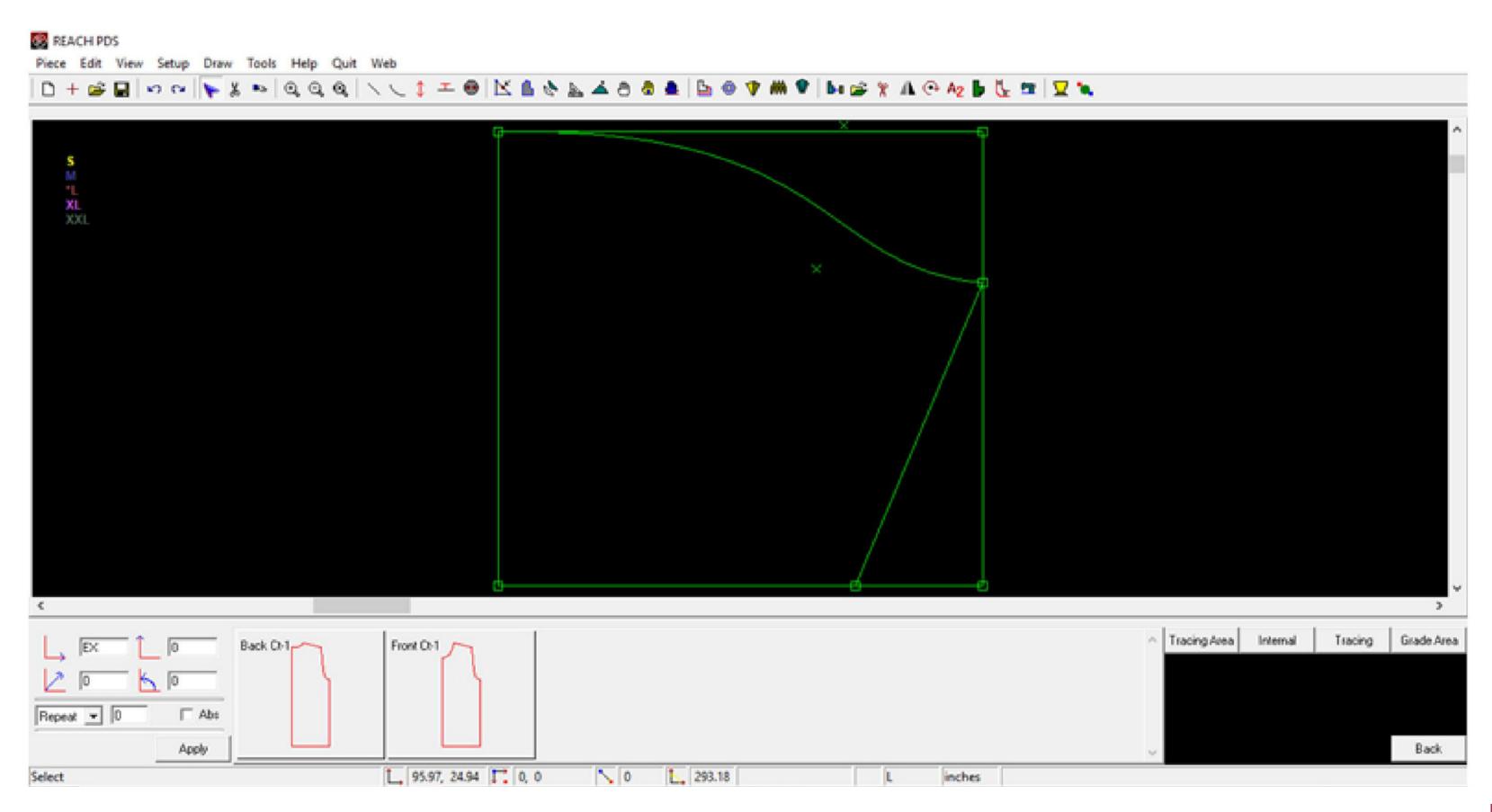
#### STEP-052 GO TO NORMAL LINE AND JOIN THE ARMHOLE POINT TO SLEEVE OPEN POINT.

REACH PDS					
Piece Edit View Setup Draw Tools Help Qui					
D + 📽 🖬 🗠 က 🕨 🎽 🍺 ဩ ဩ ဩ	1/(1+0 K P & F	A 0 0 A   b 0 V A	M V   D4 😅 X /L (+ A2 D (- M   )	2 <b>%</b>	
	P		×		^
S M					
S M TL XL DOCL					
XXL					
			×		
			7		
			/		
			/		
6	<u>d</u>		ė		~ ~
· · · · · · · · · · · · · · · · · · ·	1				
EX 0 Back D-1	Front Ct-1			Length 0 F Ang	e 45.000
Repeat • 0 F Abs					
Apply				U Apply	Back.
Mark first point of Line	1, 93.43, 24.94 1, 0, 0	0 293.18	L inches		

## **REACH** Technologies



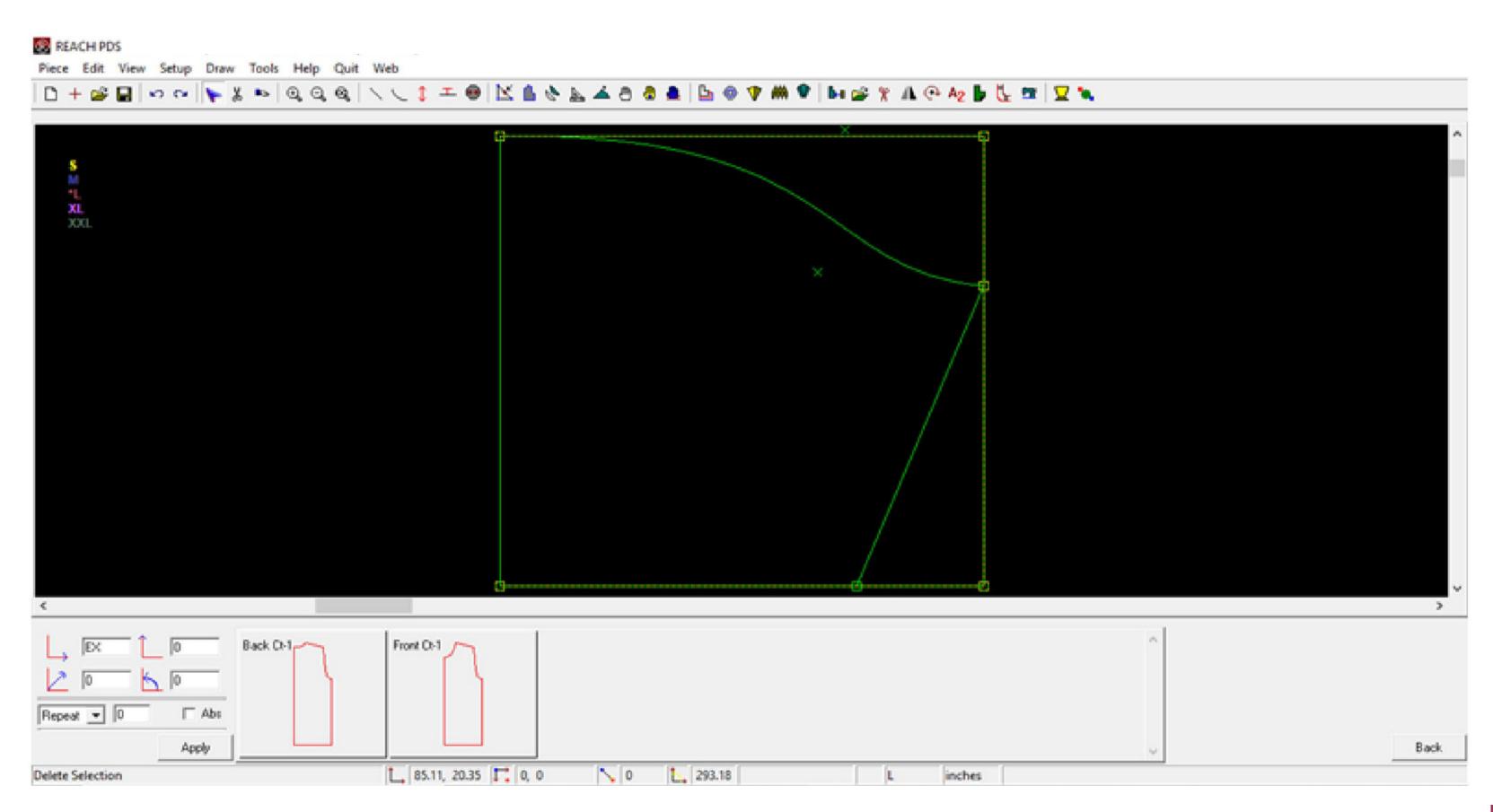
#### STEP-054 GO TO SELECTION TOOL AND CLICK ON TRACING AREA



## **REACH** Technologies



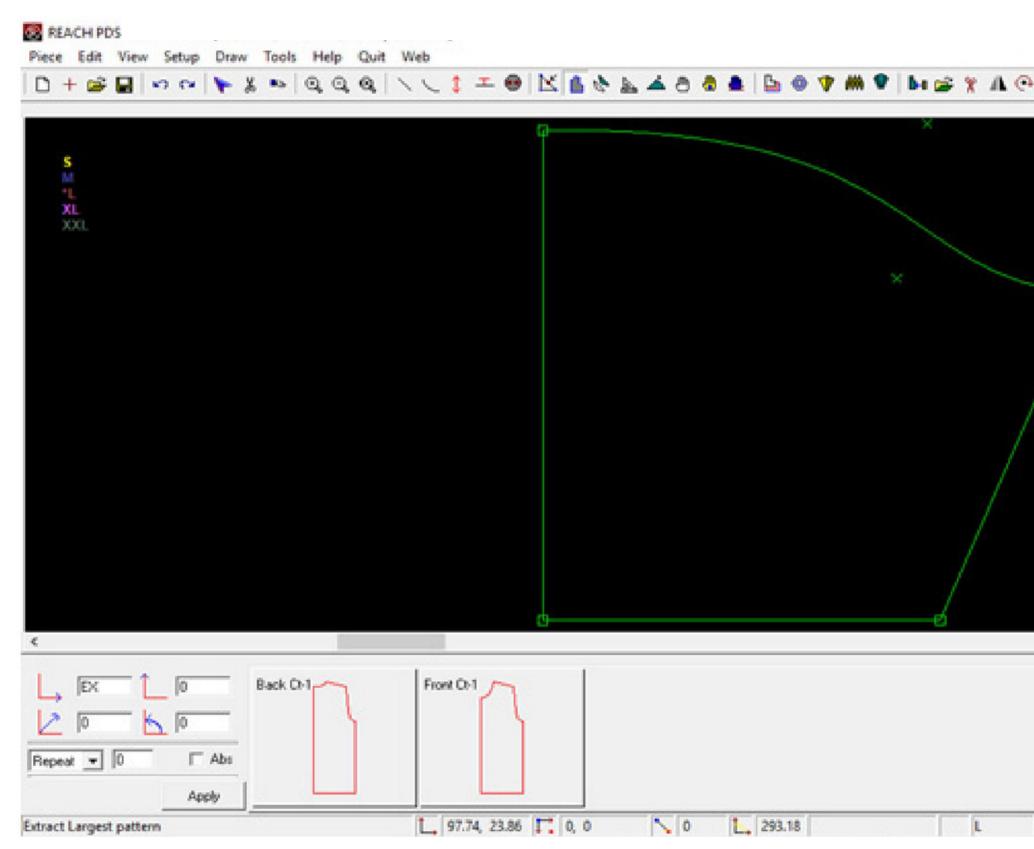
#### STEP-055 SELECT THE YELLOW TRACING LINES



### **REACH** Technologies



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

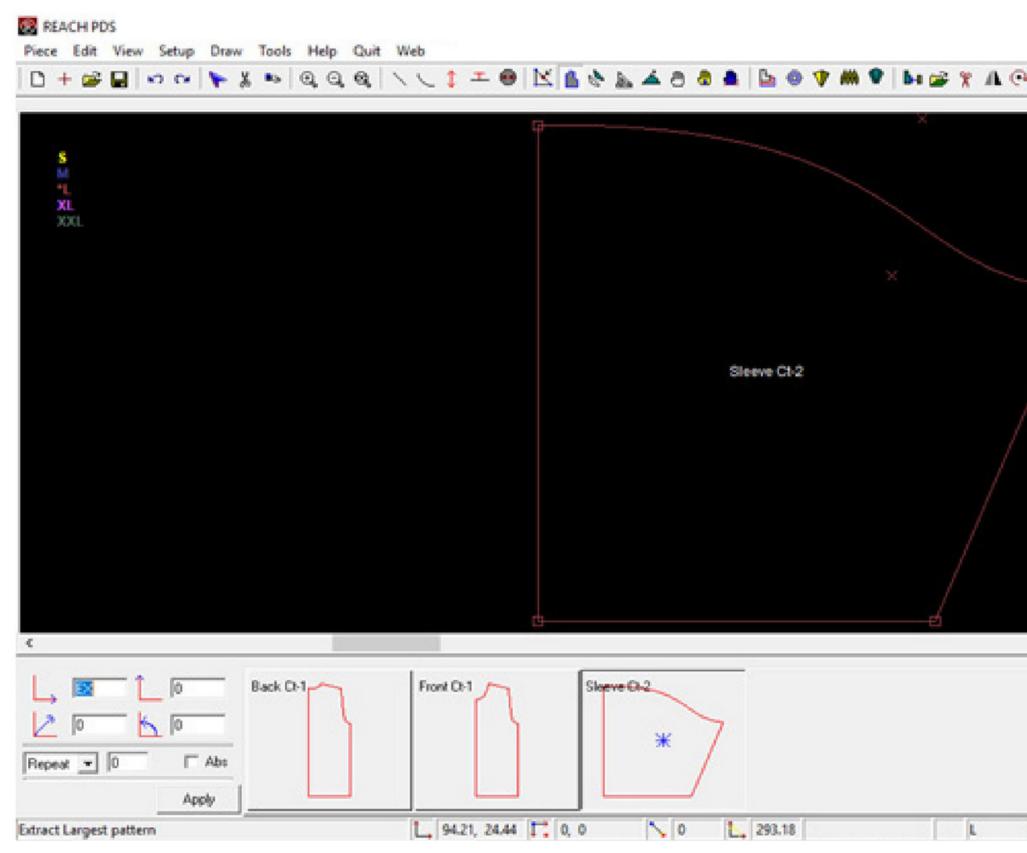


### **REACH** Technologies

2 🖢 📞 🕿 🛛 🔽					
-					
	-	Name	SLEEVE CT	2	>
		I⊽ Extea	ct All Sizes		



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



### **REACH** Technologies

A2 🕨 🕵 🕿 🔽 🛰	
~	Name SLEEVE CT-2
	Extract All Sizes
when Sleeve Ct-2.Pce	Apply Back



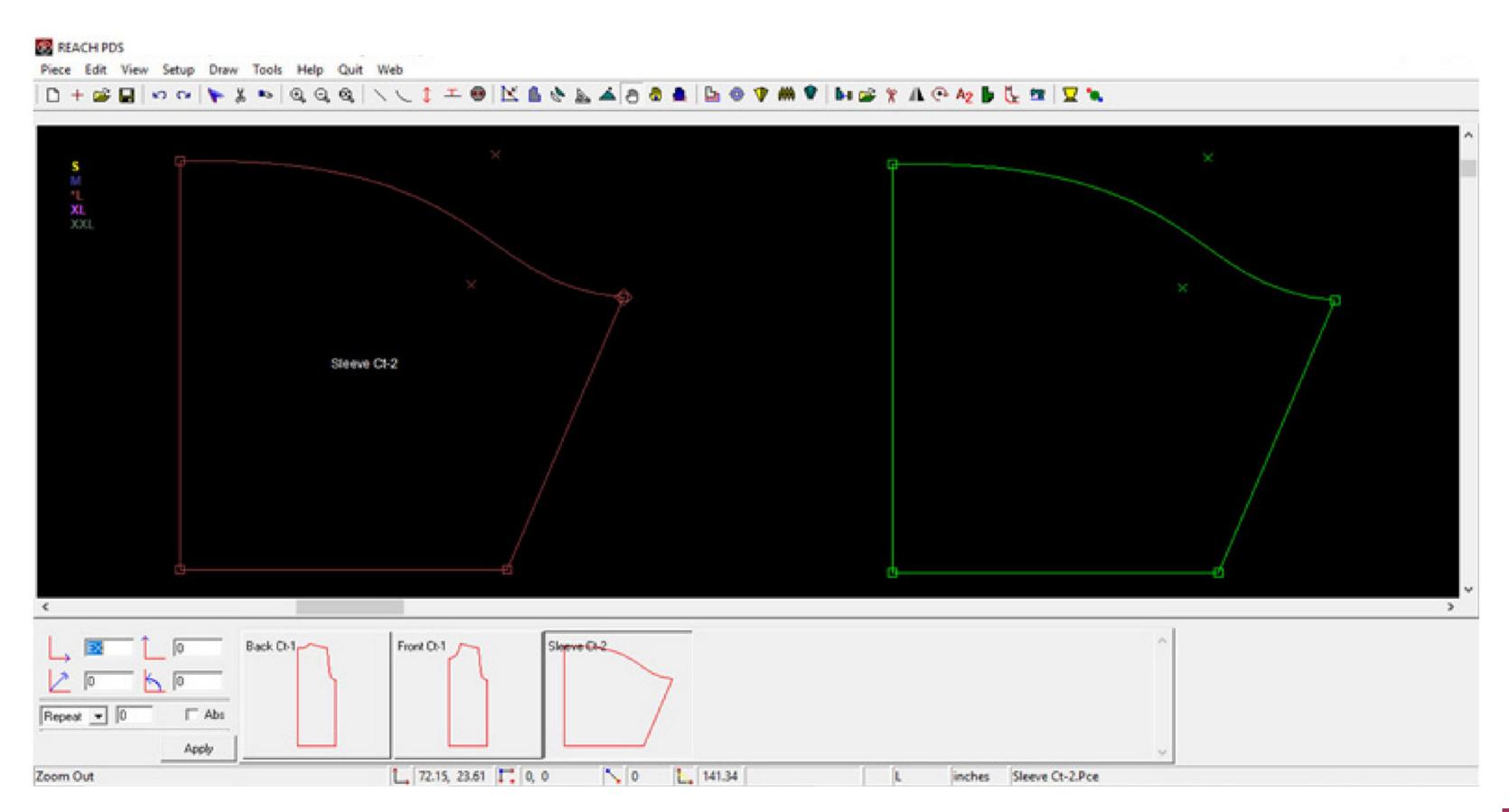
#### STEP-060 GO TO MOVE TOOL AND SELECT THE PATTERN AND CLICK ON APPLY.

REACH PDS			
Piece Edit View Setup Draw Tools Help Q			
10 + 🖻 🕅 🗤 🗤 🖕 🖇 🖉 of of ø		× ₩ ▼   Þ1 ∰ X 1L (+ A2 D) (½ ¤1   ¥ 1	•
S M "L XL XCL	Sieeve Ct-2	×	
↓     ↓ </th <th>Front Cr-1</th> <th></th> <th>C Length 3 Pattern Angle 45 C Anywhere C Pattern Pt Grade Poir Auto Back</th>	Front Cr-1		C Length 3 Pattern Angle 45 C Anywhere C Pattern Pt Grade Poir Auto Back
Move	L. 96.94, 24.87 L. 0, 0 L. 293.18	L inches	

## **REACH** Technologies



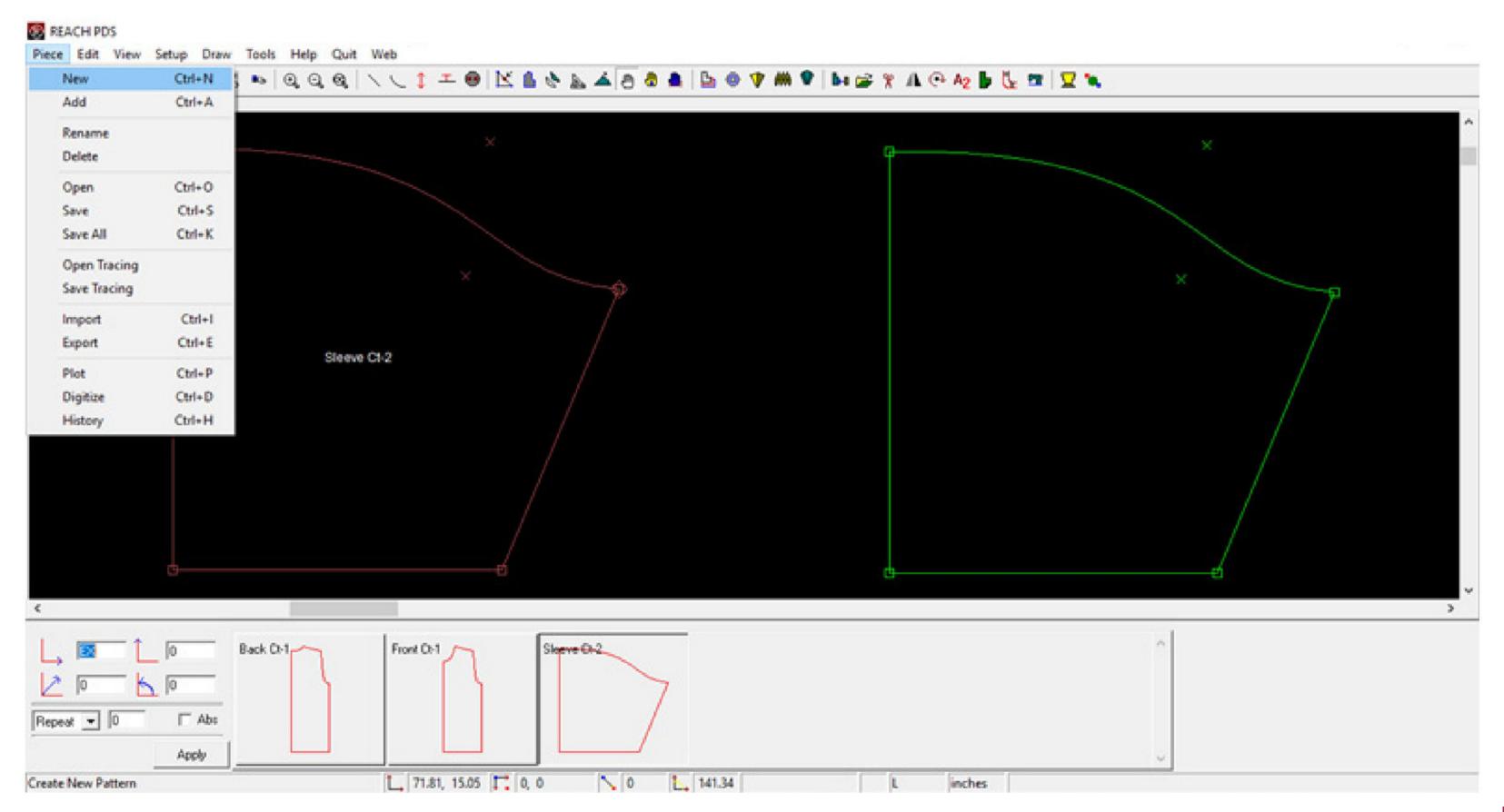
#### STEP-061 MOVE THE PATTERN



## **REACH** Technologies



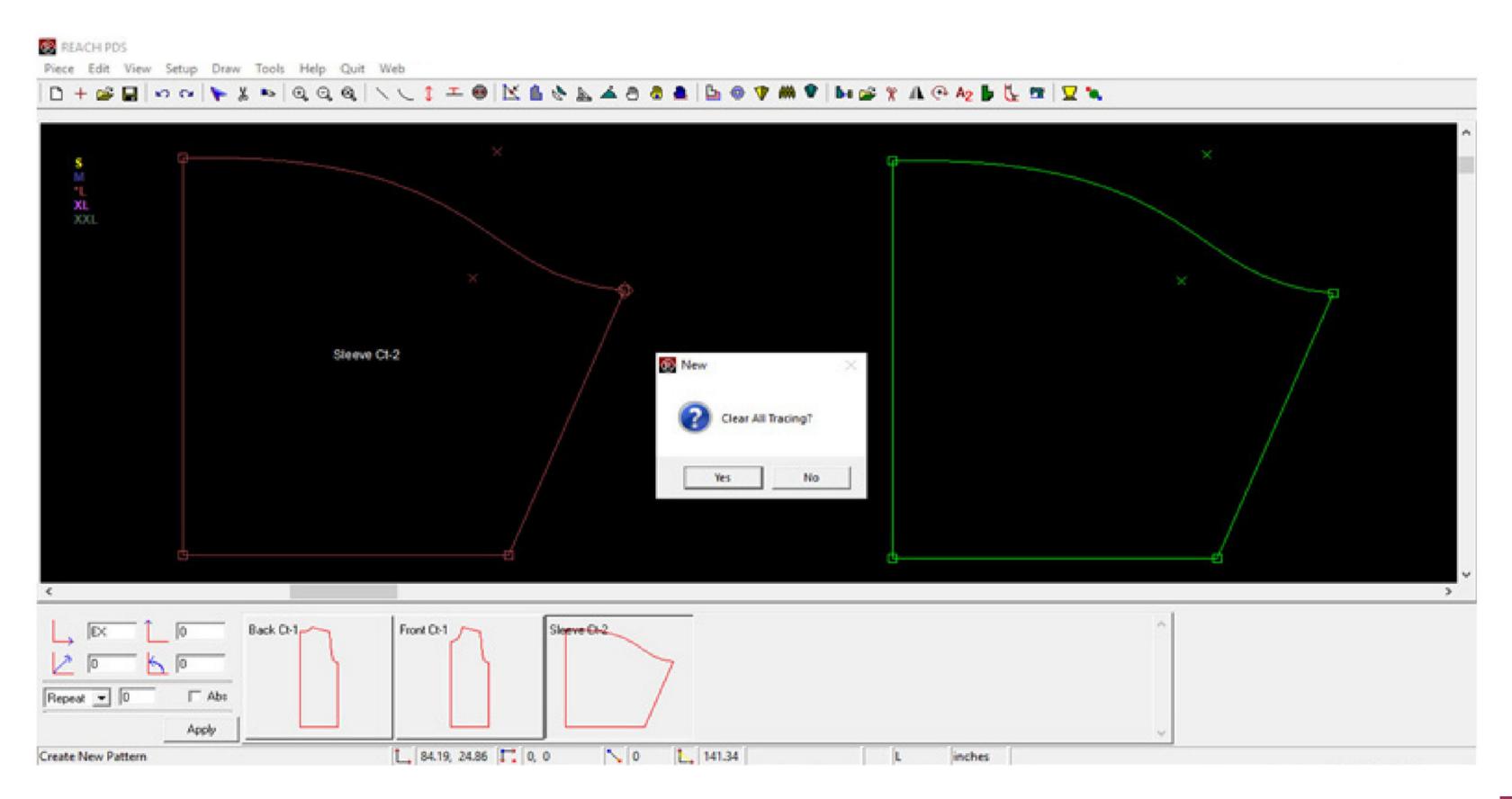
#### STEP-062 GO TO PIECE AND CLICK ON NEW.



### **REACH** Technologies



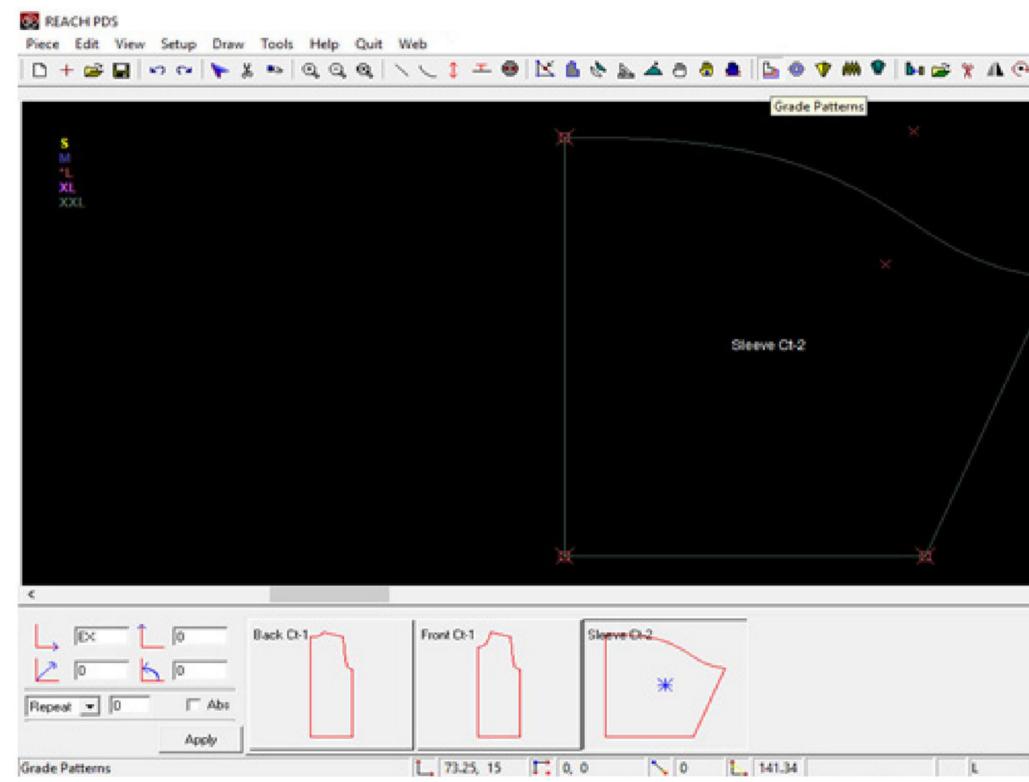
CLICK ON NEW THEN CLICK ON TRACING AND SELECT CLEAR ALL TRACING LINES. SELECT YES AND APPLY.



### **REACH** Technologies



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

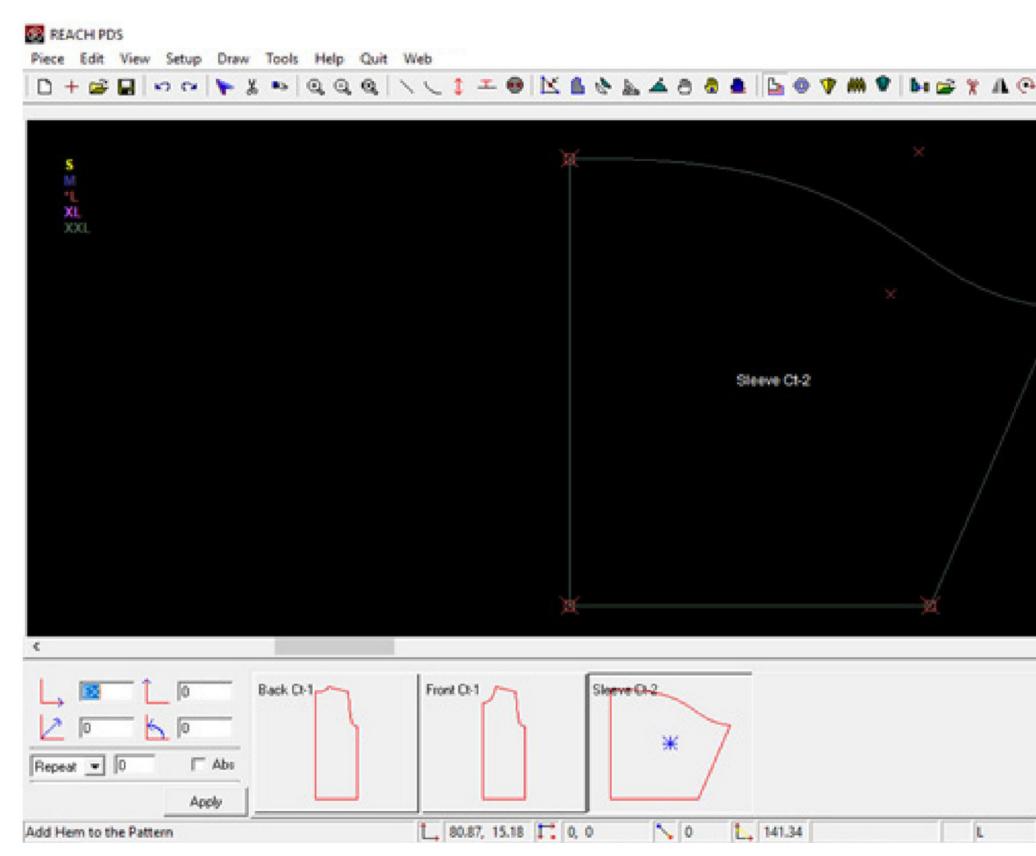


## **REACH** Technologies

6	•	<b>V</b>	•									
											^	
					1	_		- 10			>	
				^	Grade		Auto	•				
_				U	Αρς	*					Back	
						Grade	Grade	Grade Auto	Grade Auto	Grade Auto •	Grade Auzo	Grade Auto  Back



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

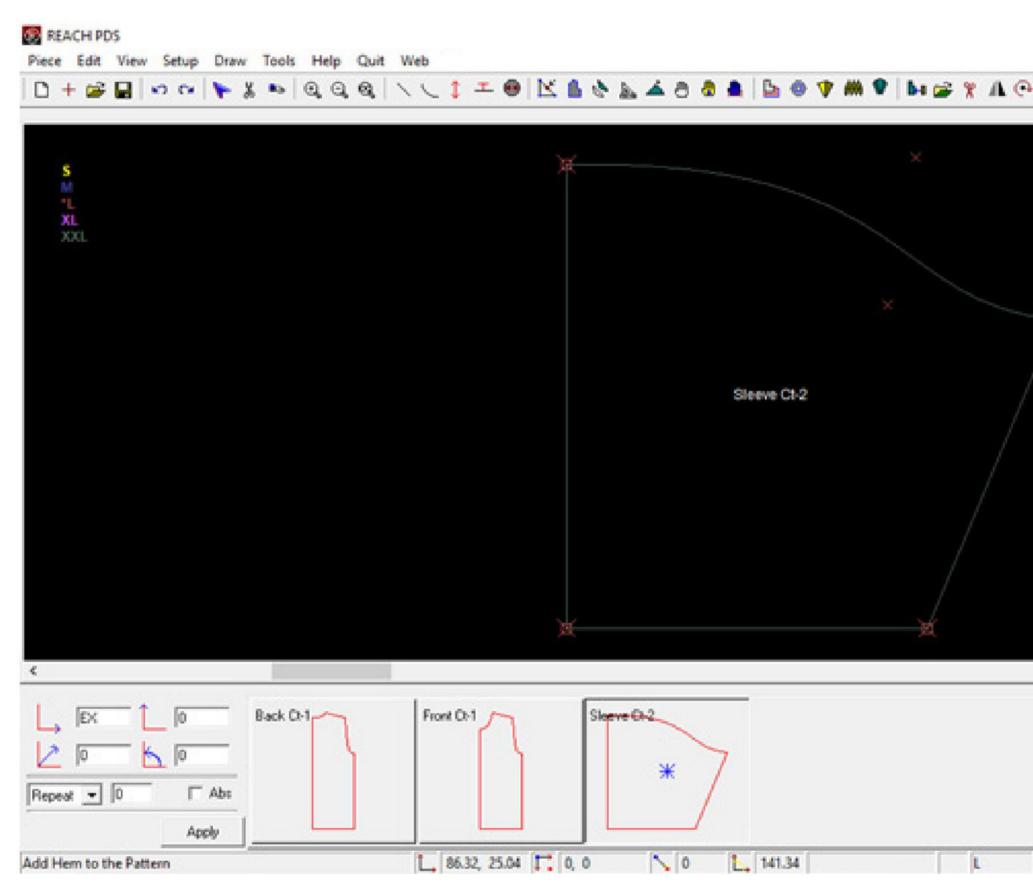


## **REACH** Technologies

A2 🖡	Ľ,	-		<b>N</b>				
			A	id Hern to the Pa	ttern			~
0								
								U.
								,
				^	Grade	Auto	•	
				~	Apply			Back
inches								



#### STEP-066 APPLY HEM VALUE OF I INCH.

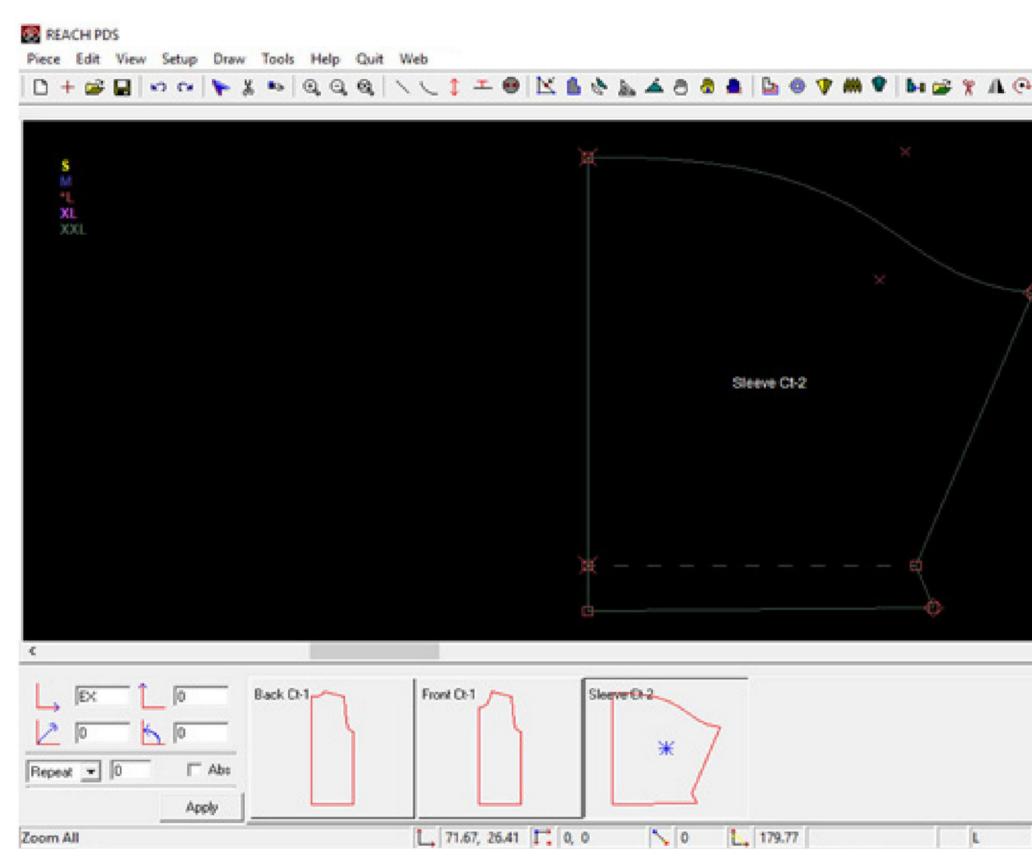


## **REACH** Technologies

A2 🖢 💺 🕿 🔽	×			~
- A				
				~ >
	^		-	
		Hem Value	1	
inches	~ [	Apply		Back



#### STEP-067 ADD TO SLEEVE OPEN POINT.

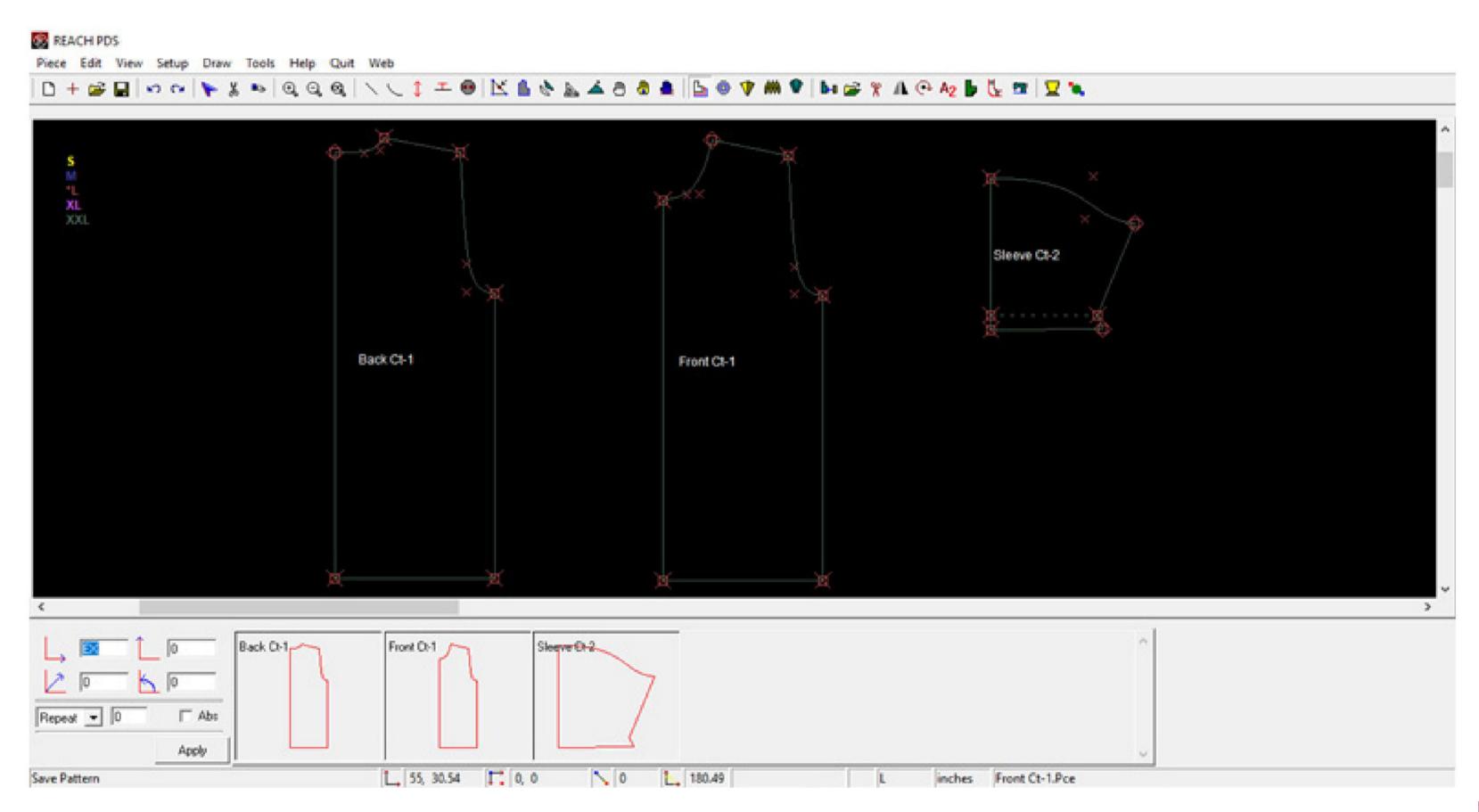


## **REACH** Technologies

A2 🖢 🕵 🕿 🔽 🛰		
		~
		,
~		
	Hem Value 1	
	1	
inches	Apply	Back



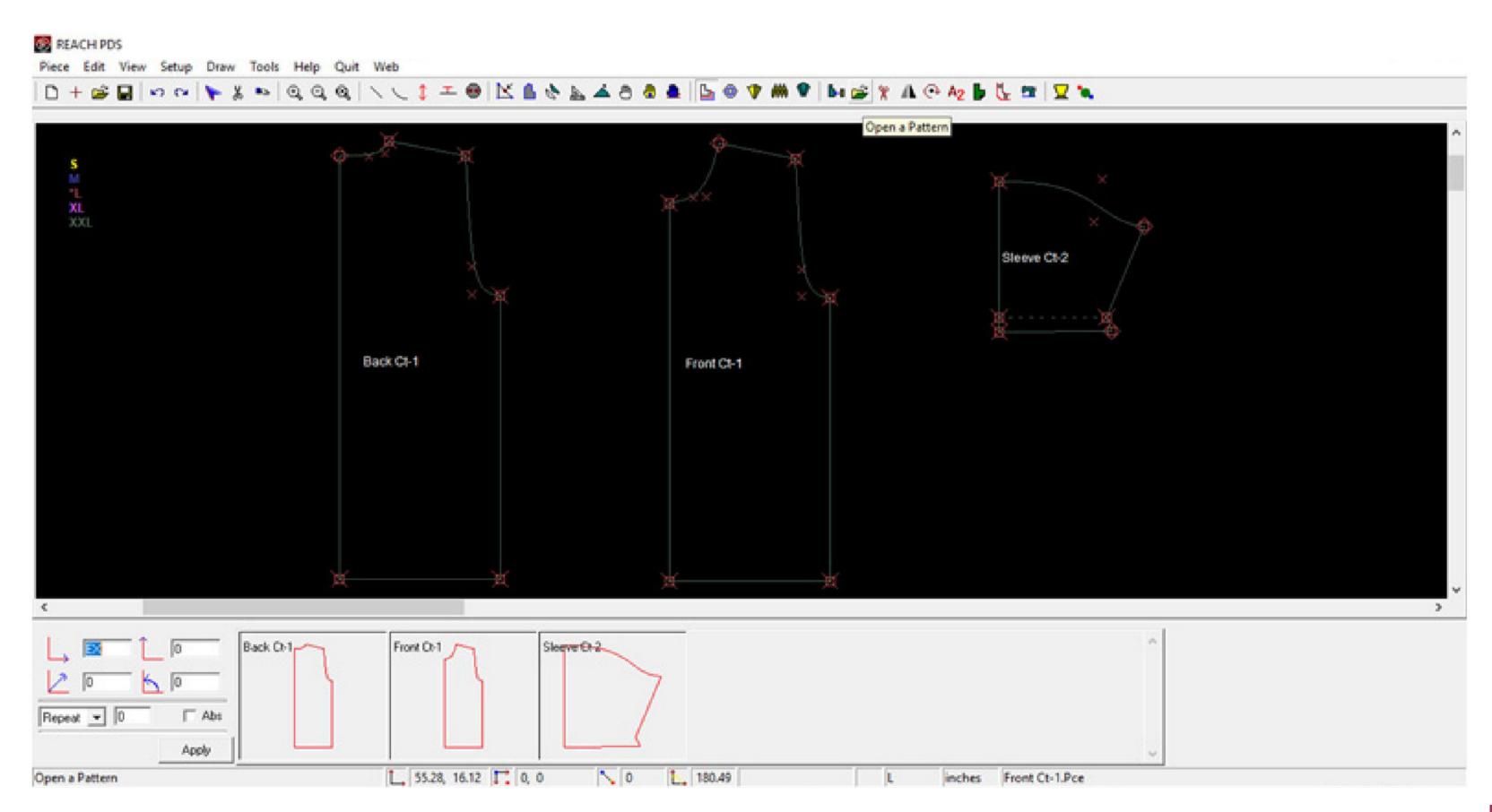
#### STEP-068 CLICK ON 'ALL PATTERN SHOW' IN THE WORKING AREA.



## **REACH** Technologies



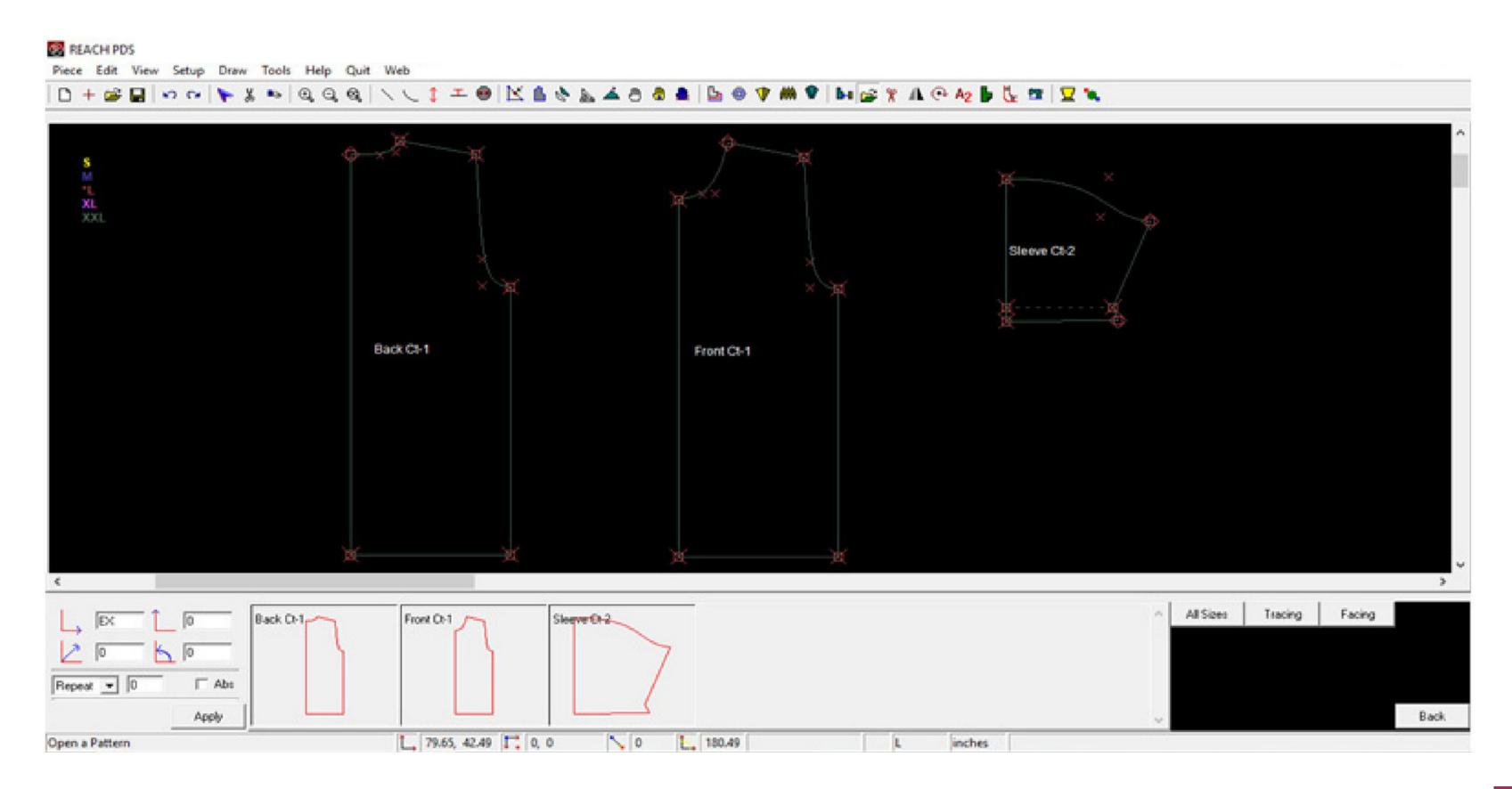
#### STEP-069 CLICK ON OPEN TOOL.



## **REACH** Technologies



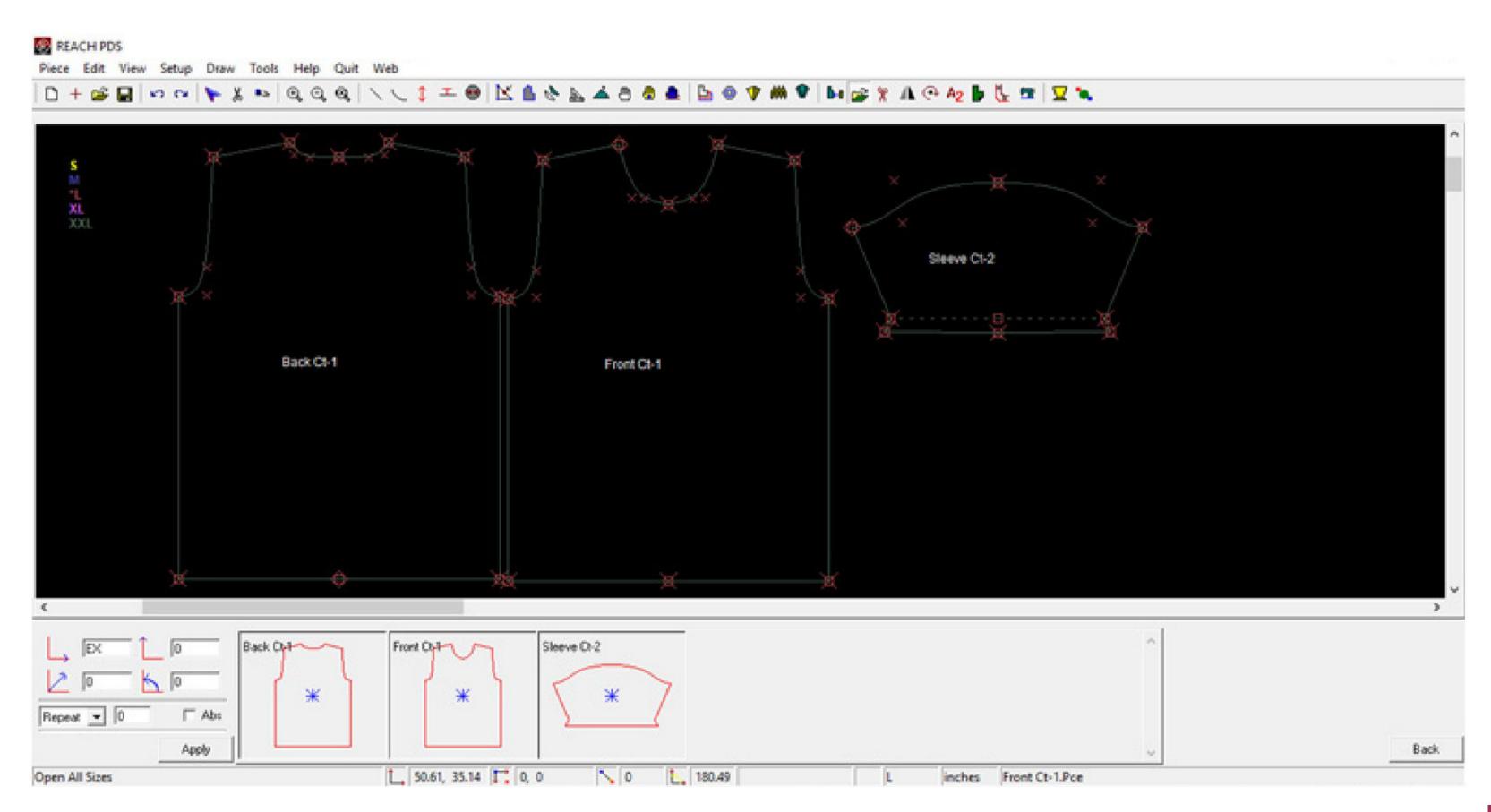
# STEP-070 CLICK ON 'ALL SIZE'.



## **REACH** Technologies



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



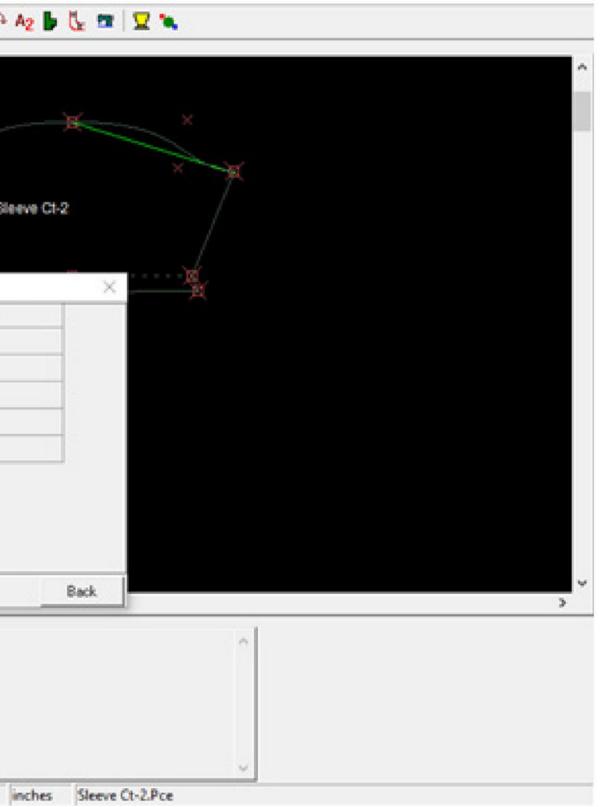
### **REACH** Technologies



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

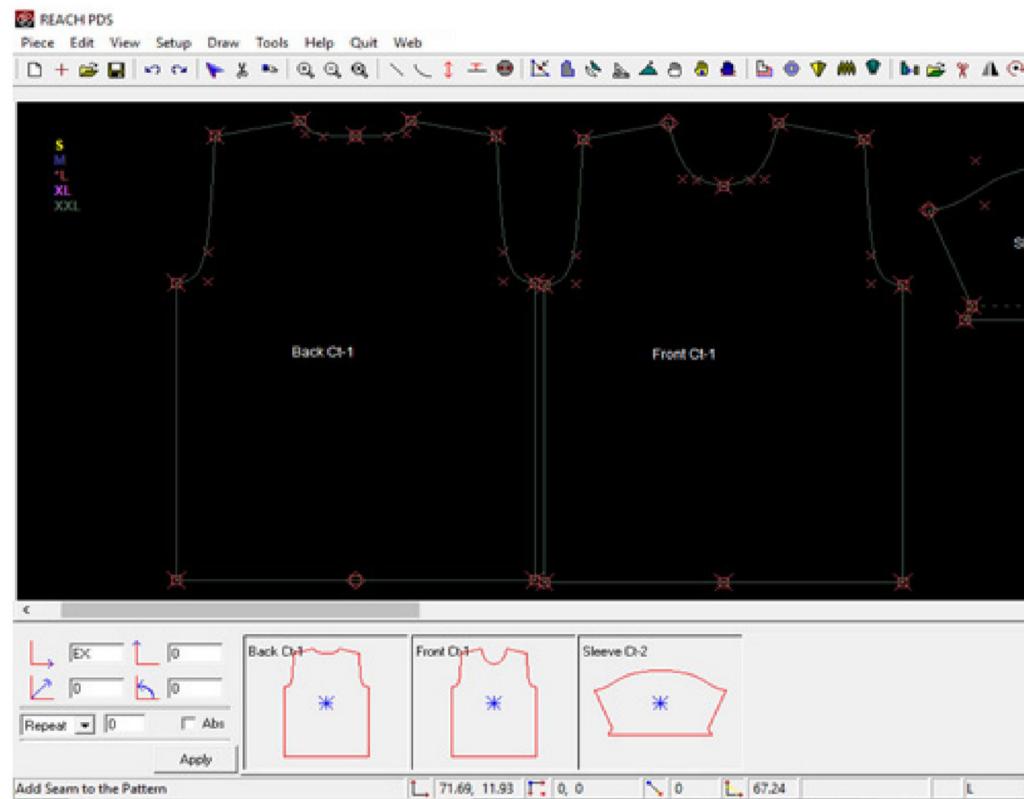
						<b>⊾</b> ▲ ∂ 4		• •		ы 📽 🤋	r n e
S M "L XL XXL	x ××××	×	X		×	- ¢ 		<b>z</b>	×		×
XXL				凝	-xx				××	*	
		<b>1</b> .5	And in case of the local data								
	Back CI-1	SNo	-	Hori		Size	L	dL		Cum	
		1	9.9				10.15		10.15		0
		2	9.9	-		and the second se	10.15		10.15		0
		3	9.9				10.15		10.15		0
		4	9.9				10.15		10.15		0
			9.9	9.4	2.1	XXIL	10.15	U	10.15	0	0
) <u>R</u> (	Ó	Ap	phy	•							
	Back Cyt	Front Or	~	ζ	Slee	rve D-2	~				
lepeat 💌 🛛 🗆 🗆 Apply			*			<u>*</u>	1				

## **REACH** Technologies





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



## **REACH** Technologies

Add Seam to the Pattern			
× ×			
A.			
× ¥			
• C1-2			
<u> </u>			
			)
~			
<u></u>	Corner - Start	Normal - End	Normal -
	Seam Value	0	
	-		
	Apply		Back



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

	Web VVeb	1 · A · A2
EX 0 Back Out	Front Out	Correr - Start Normal  End Normal Seam Value 25
Apply	L, 49.56, 17.66 T. 0, 0 L, 3.81	Apply Back L inches Front Ct-1.Pce

## **REACH** Technologies



# STEP-075 ADD NECK SEAM

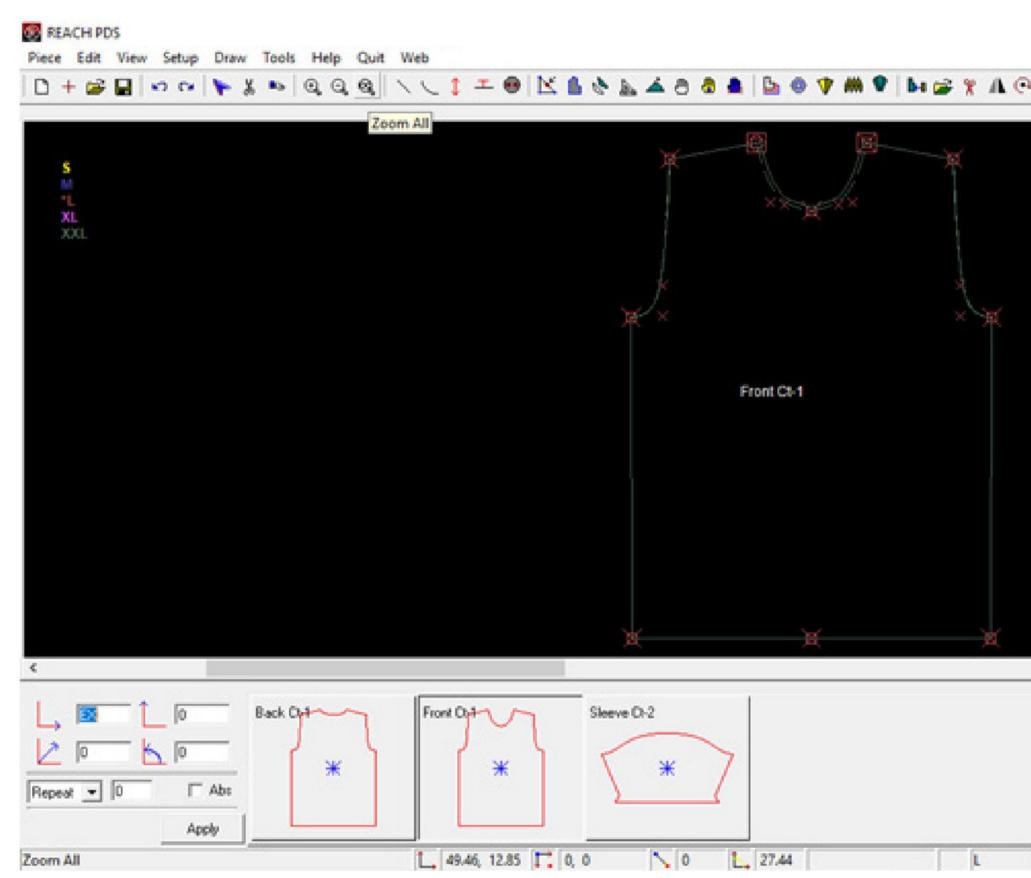
#### REACH PDS Piece Edit View Setup Draw Tools Help Quit Web D + 😅 🖬 👓 🕶 🐂 🗶 ® Q Q Q 🛝 🔨 🛨 📵 🔀 🐁 🖄 8 🕭 8 🕭 🔮 🖤 🗰 📽 👔 🗛 1 \*L XL 300L - `# €. Back Cht Front Ch-1 Sleeve Ch-2 10 20 0 \* \* ж Repeat • 0 T Ab: Apply L, 55.96, 13.42 L. 6.48, .04 🔨 0 L. .39 REACH PDS - Release 1.00

### **REACH** Technologies

×		
		>
	Corner - Start Normal	End Normal
	Seam Value .25	



#### STEP-076 CLICK ON ZOOM ALL TOOL

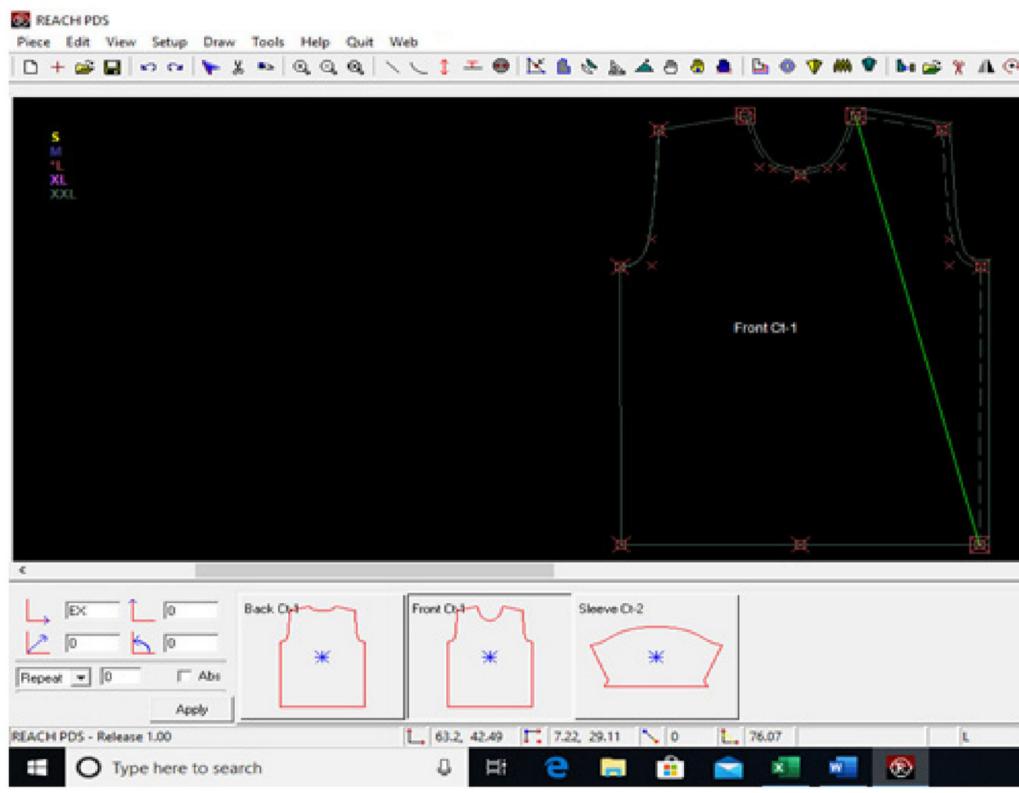


### **REACH** Technologies

A2 🖢 🗓 🔤 🔽 1	•			
	~	Corner - Start	Nomal • End	
		Seam Value		- Internal -
		Apply		Back



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

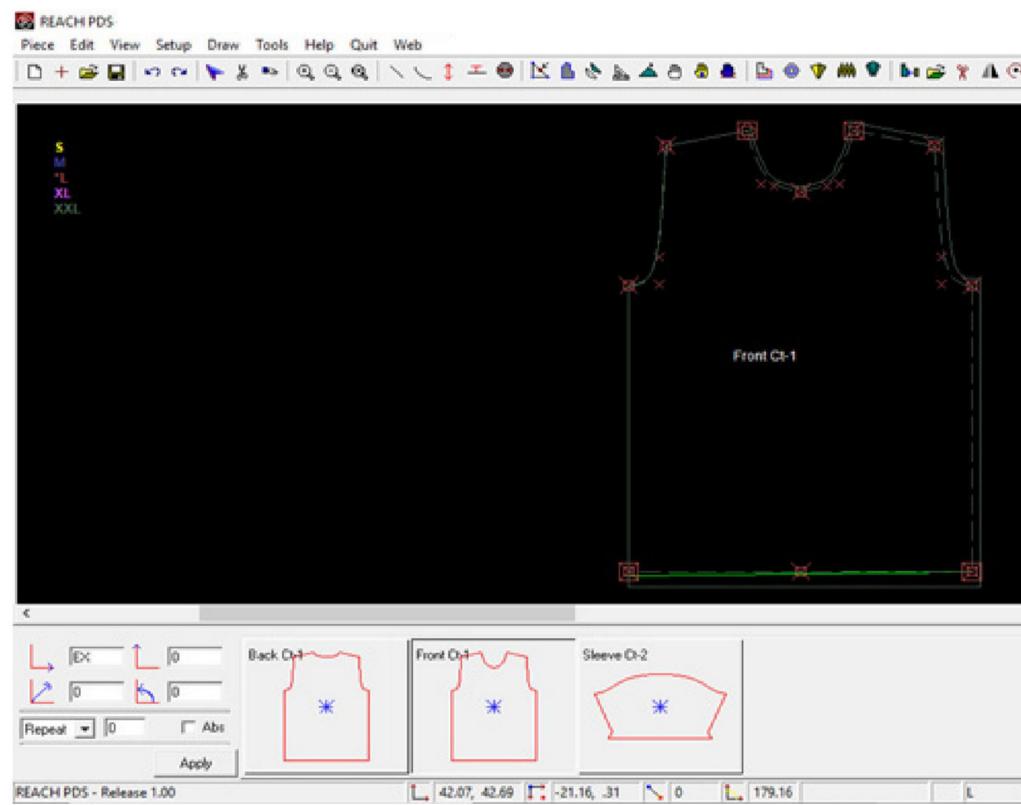


#### **REACH** Technologies

× A₂ ₿	C m	¥	×					
								•
							>	~
			~	Comer - Start	Nomal	• End	Normal	-
				Seam Value	0.5			
Instan	-	1.0	~	Apply			Back	
inches	Front Ct	-1.90	*	x <sup>R</sup> ^ •	( de) 🐝		9 PM	
				A		IN 11-	lan-22	



ADD BOTTOM TO BOTTOM MEASUREMENT SEAM VALUE OF 1 INCH

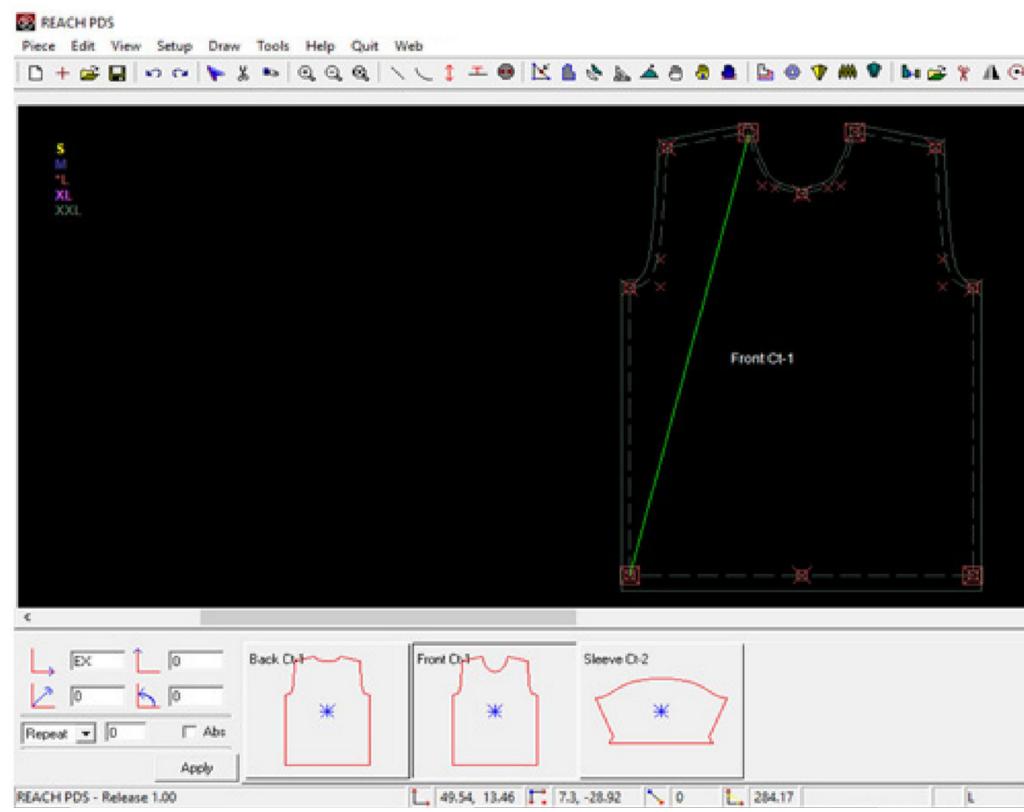


#### **REACH** Technologies

A2 6	P.	<b>m</b>   1	Z 🛰 👘								
											^
										68	>
				~		r - Start Value	Norma 1	-	End	Normal	*
							1.				_
inches	1.0			Ŷ	App	*				Ba	ck.



ADD TO SEAM BOTTOM TO SHOULDER MEASUREMENT 0.5 INCHES ONE CLICK

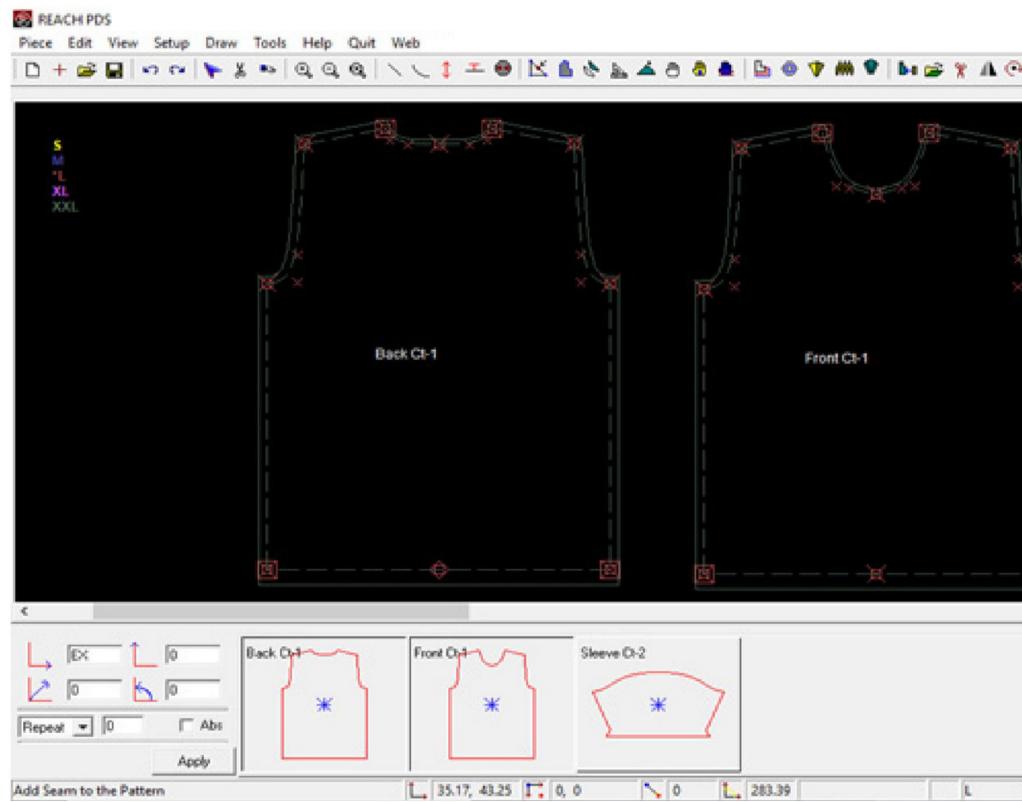


### **REACH** Technologies

A2 🖥 🖔		×				
						^
		~	Comer Stud	[	5 ml	*
			Seam Value	Nomal •	cho j	Normal 💌
			-			
	Front Ct-1.P	~	Apply			Back



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

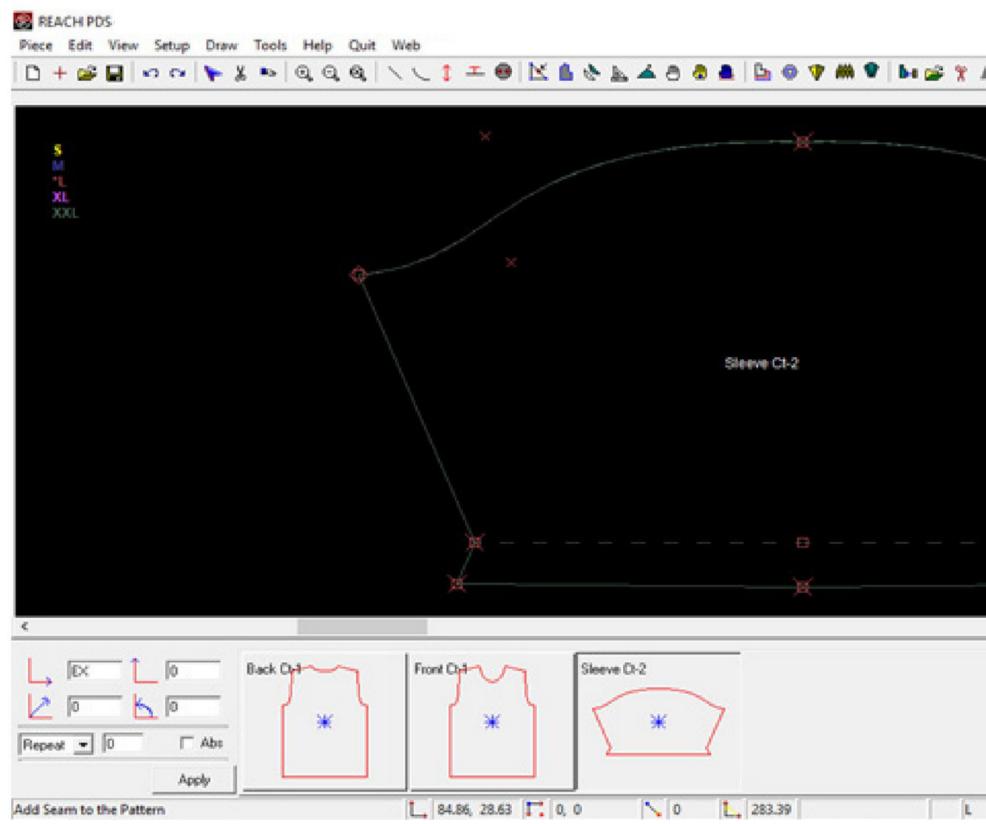


### **REACH** Technologies

	>
Corner - Start No	mal 💌 End 🛛 Normal 💌
Seam Value 5	



#### STEP-081 CLICK ON SLEEVE PATTERN .

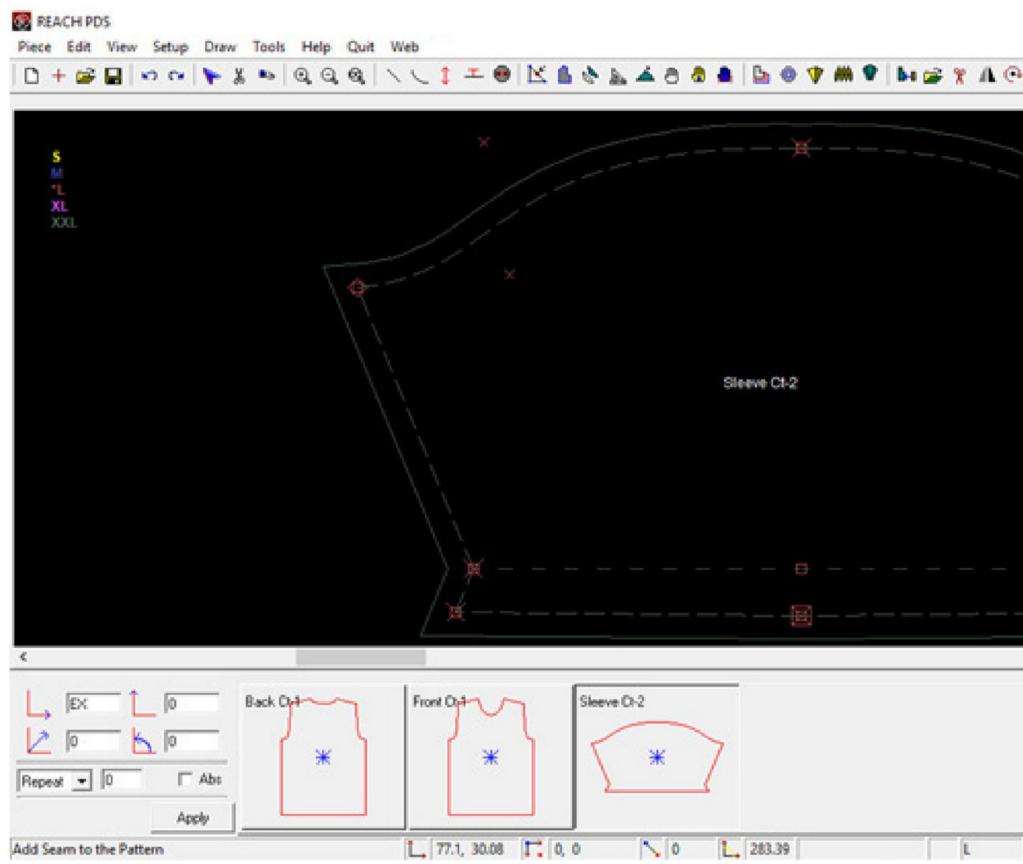


### **REACH** Technologies

0		
	×	
×		
		>
	Comer - Start Normal Seam Value 0.5	End Normal
	- Apply	Back.

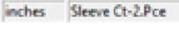


#### STEP-082 TOTAL SINGLE CLICK 0.5 INCHES ANY ONE POINT



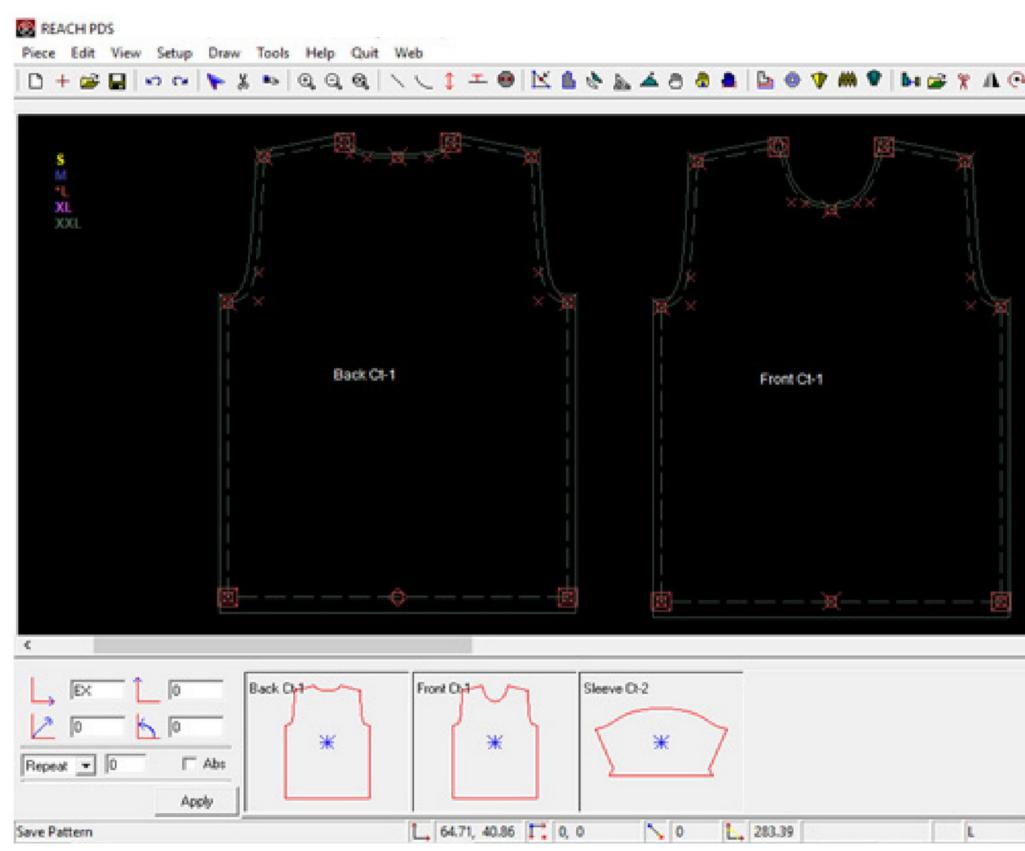
### **REACH** Technologies

A2 🖢 💺 🚾 🔽 🛰			
×			^
* ***			
×			~
	Corner - Start	Nomal 💌 End	Normal 💌
	, Apply		Back





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

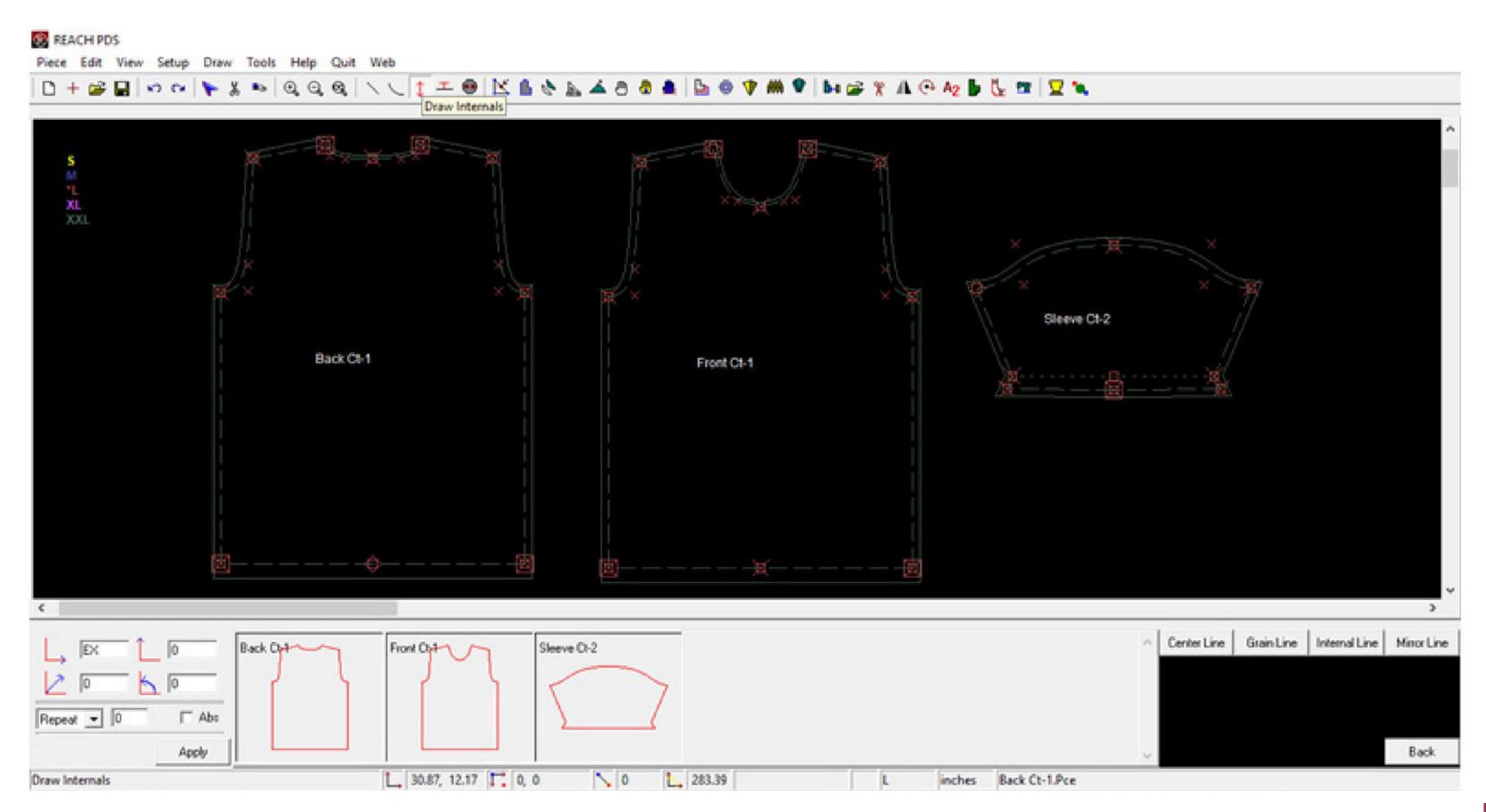


### **REACH** Technologies

2 🖡 🖫	<b>a V N</b>		
0		×	
1	Sieeve CI-2	17	
Vie and Andrew State			
15		<u> </u>	
			>
		Corner - Start Norma Seam Value 0.5	End Normal
		- Toro	
		Apply	Back



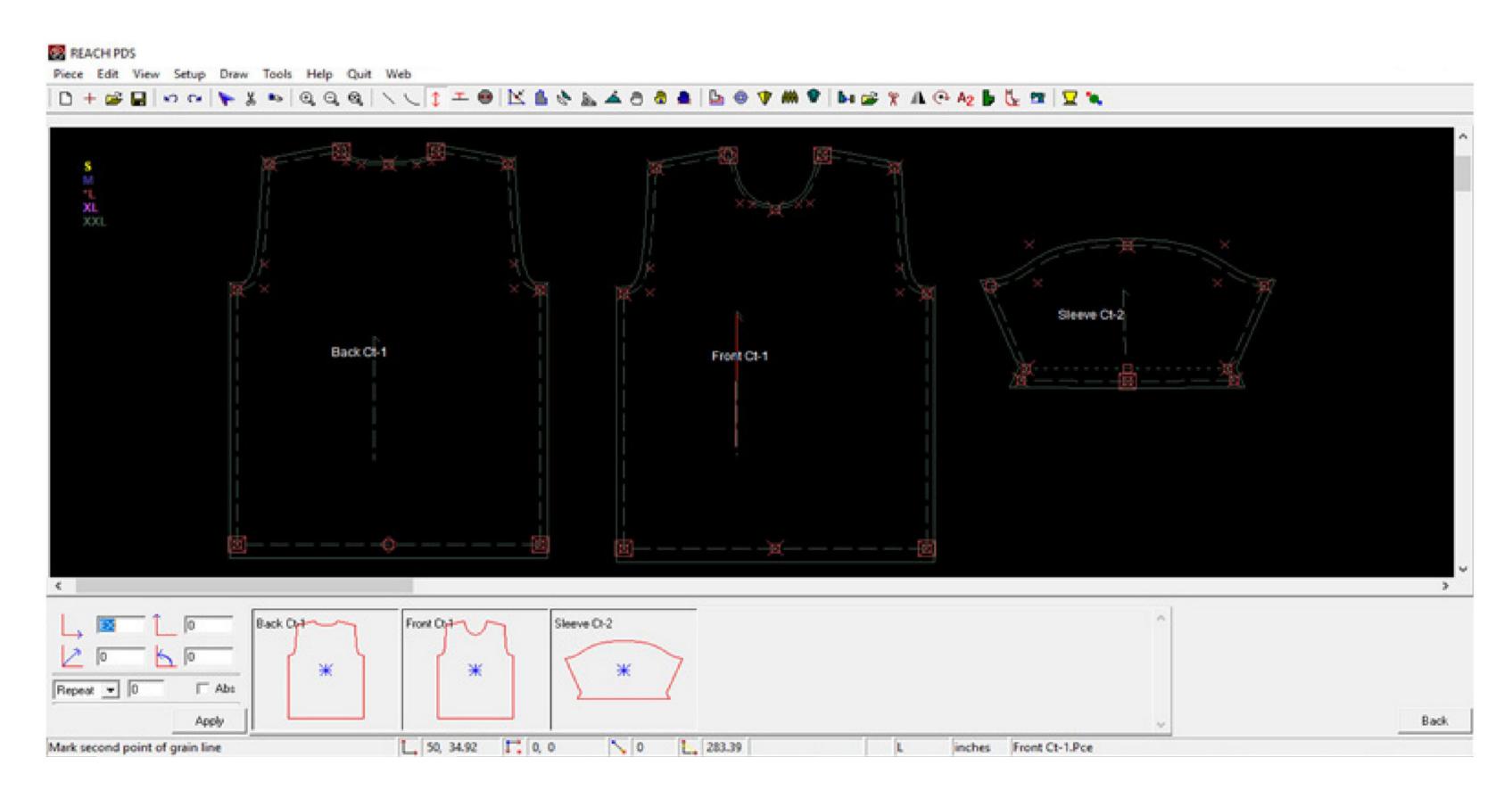
#### STEP-084 CLICK ON 'DRAW INTERNALS' OPTION AND THEN SELECT 'GRAIN LINE'



### **REACH** Technologies



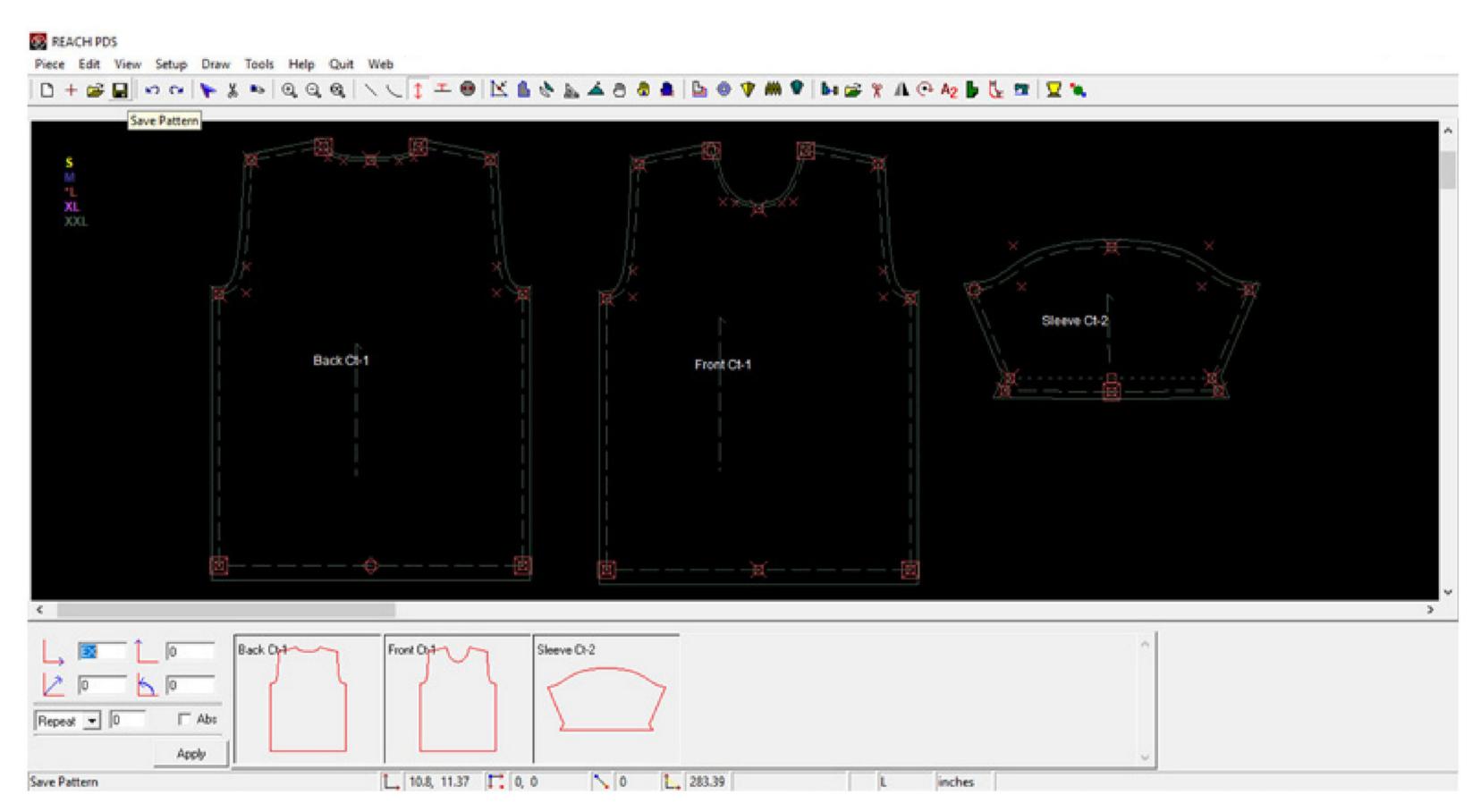
#### STEP-085 ADD FRONT, BACK AND SLEEVE TO GRAIN LINE.



### **REACH** Technologies



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

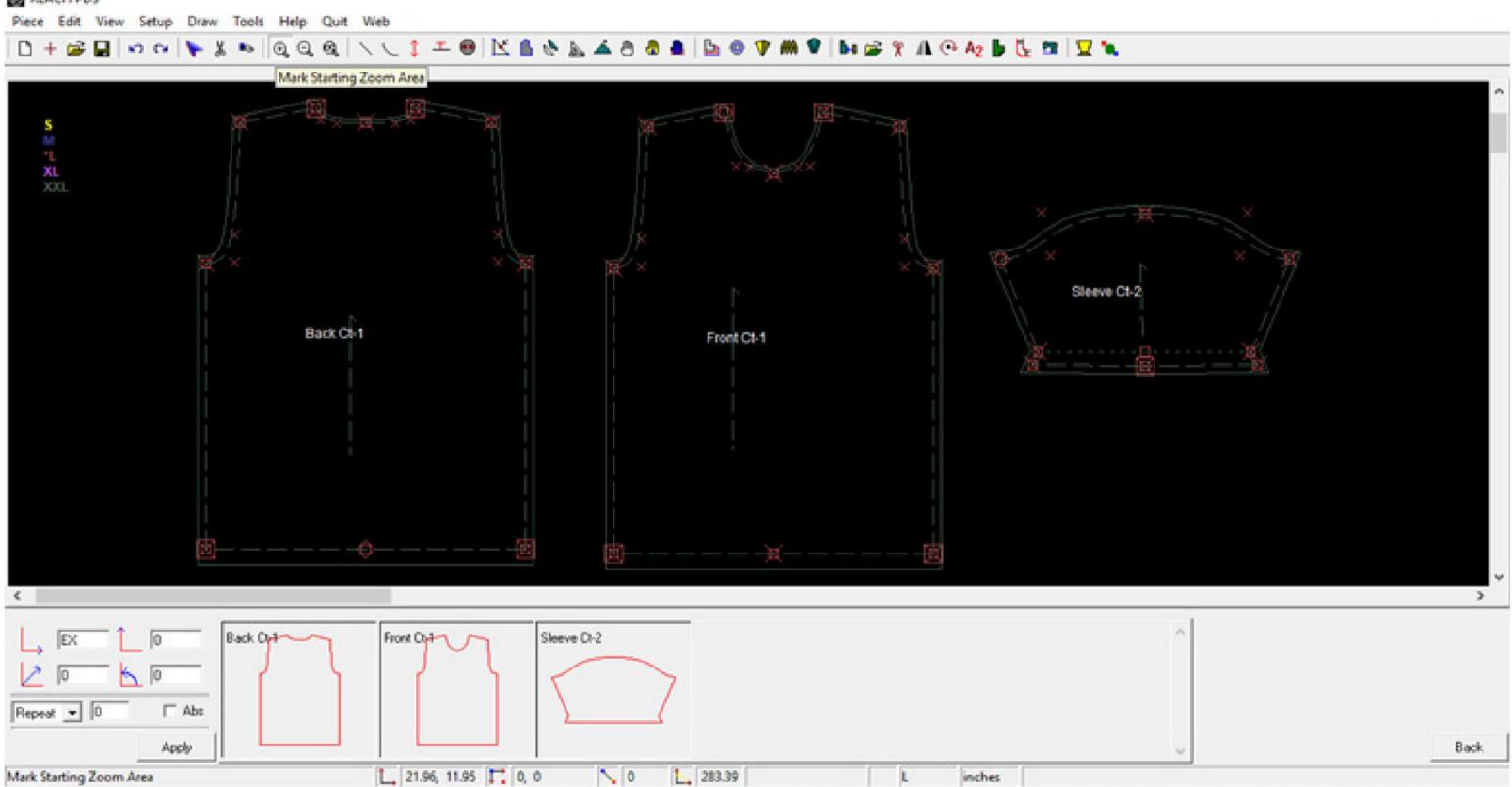


#### **REACH** Technologies



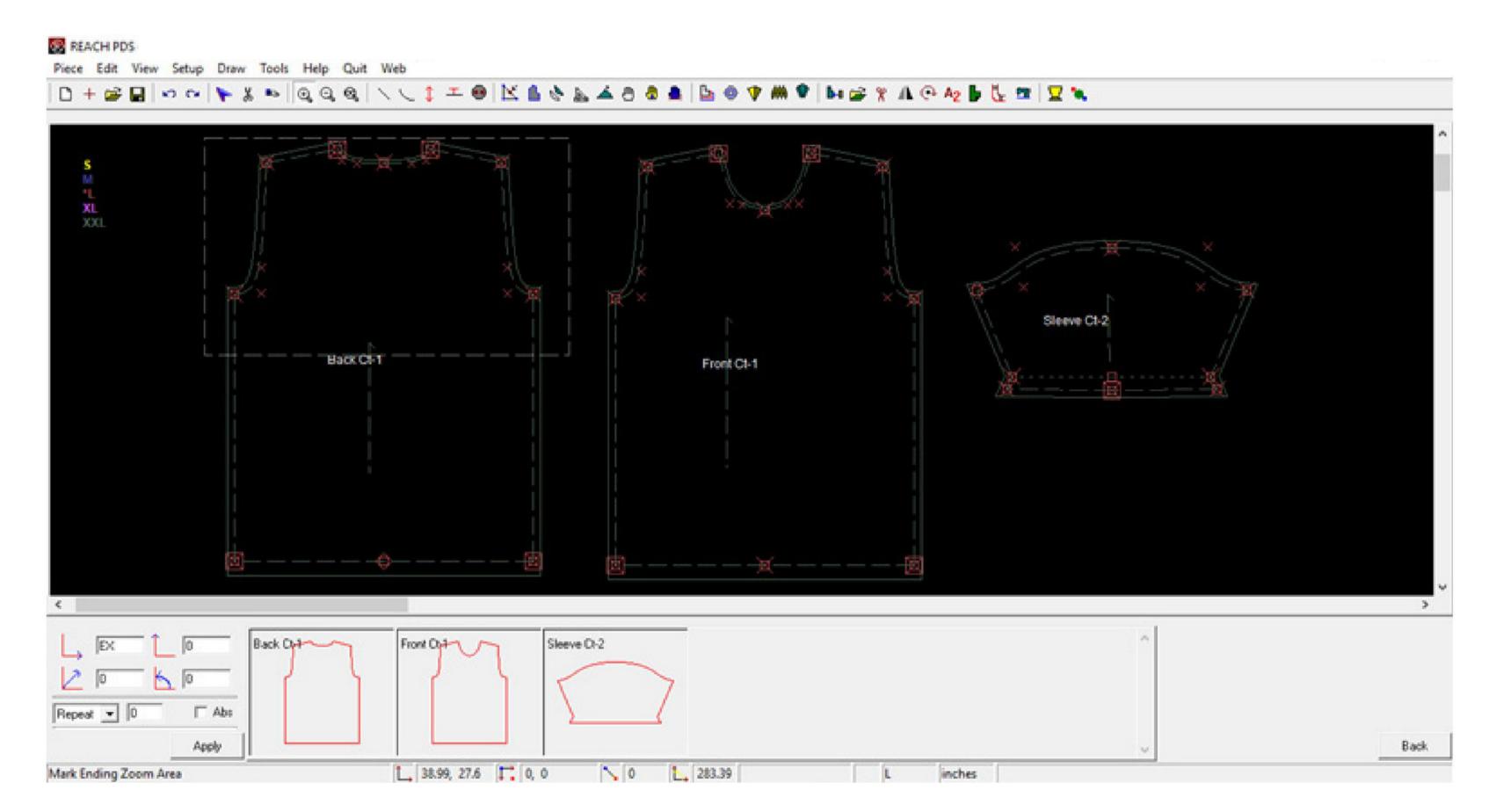
#### STEP-087 ZOOM AREA

#### REACH PDS



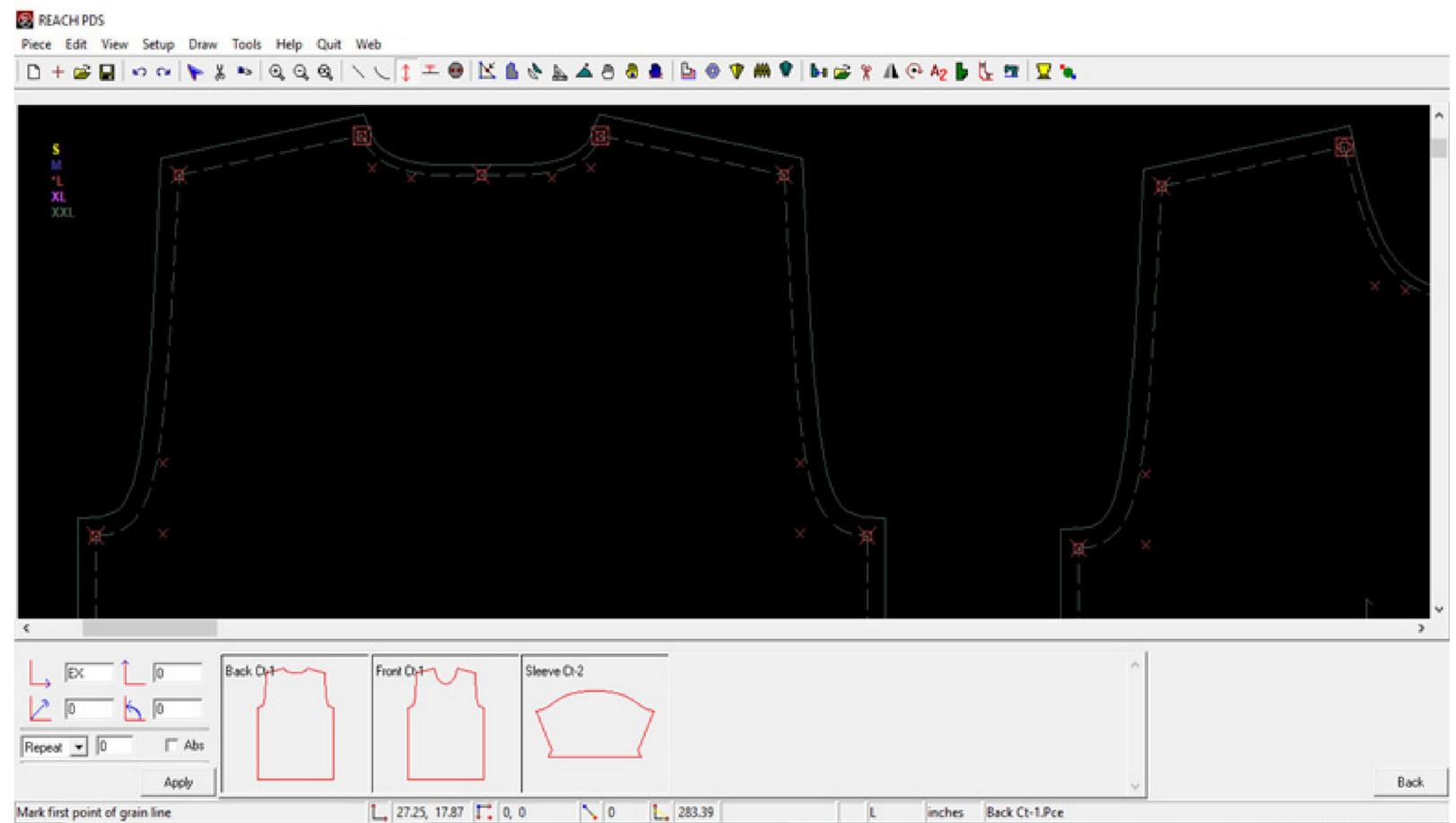
### **REACH** Technologies





### **REACH** Technologies



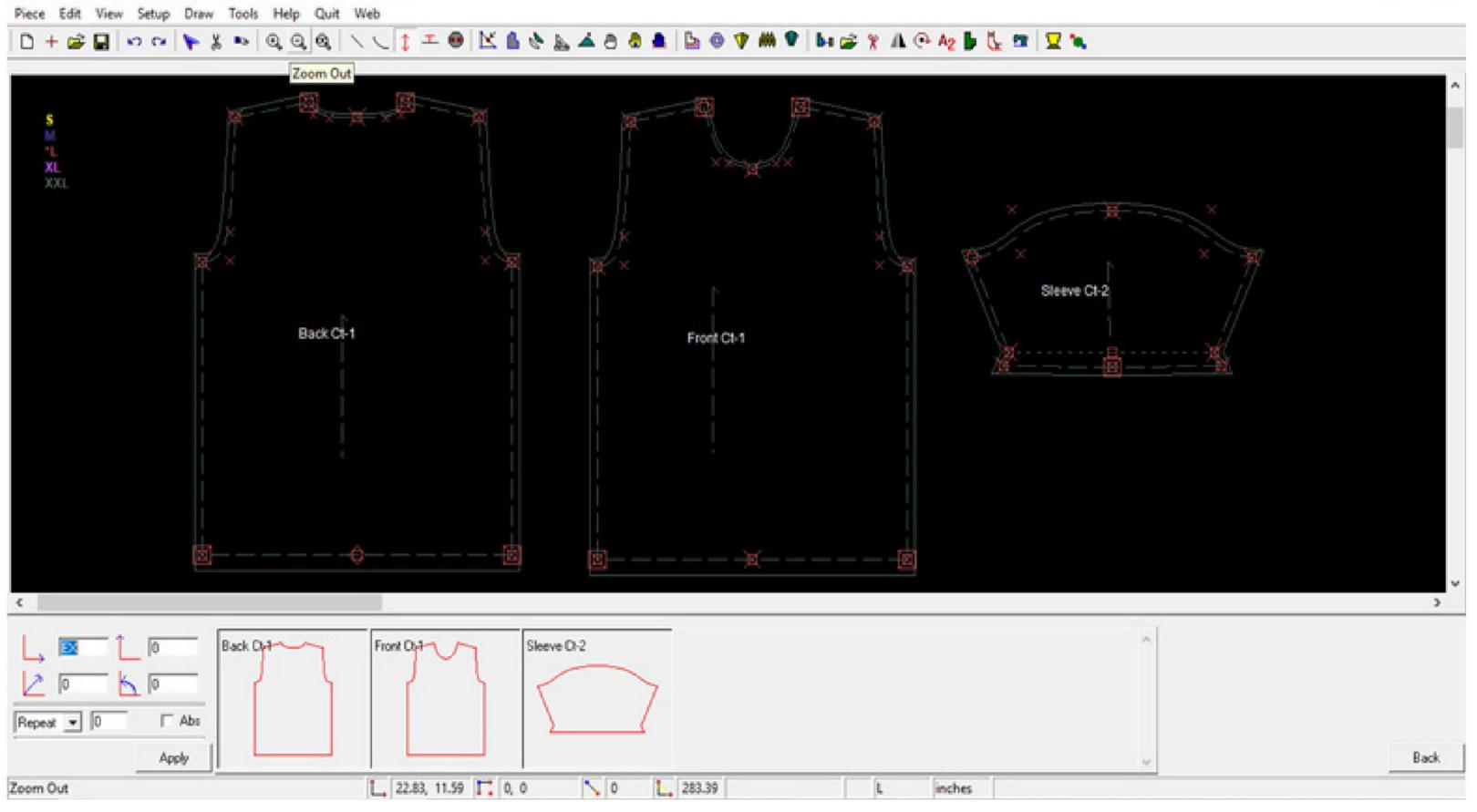


### **REACH** Technologies



#### STEP-088 CLICK ON ZOOM OUT

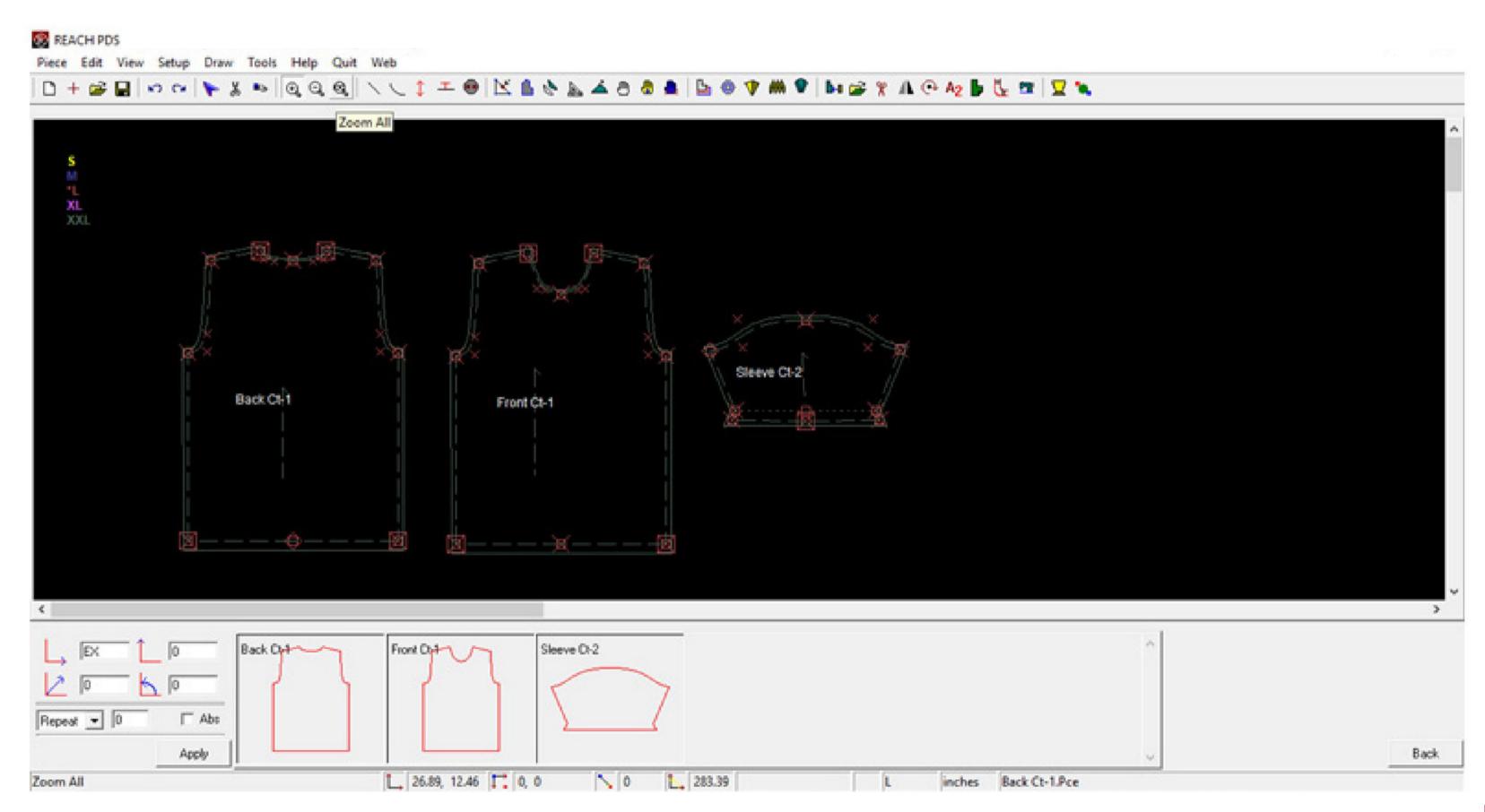
REACH PDS



**REACH** Technologies



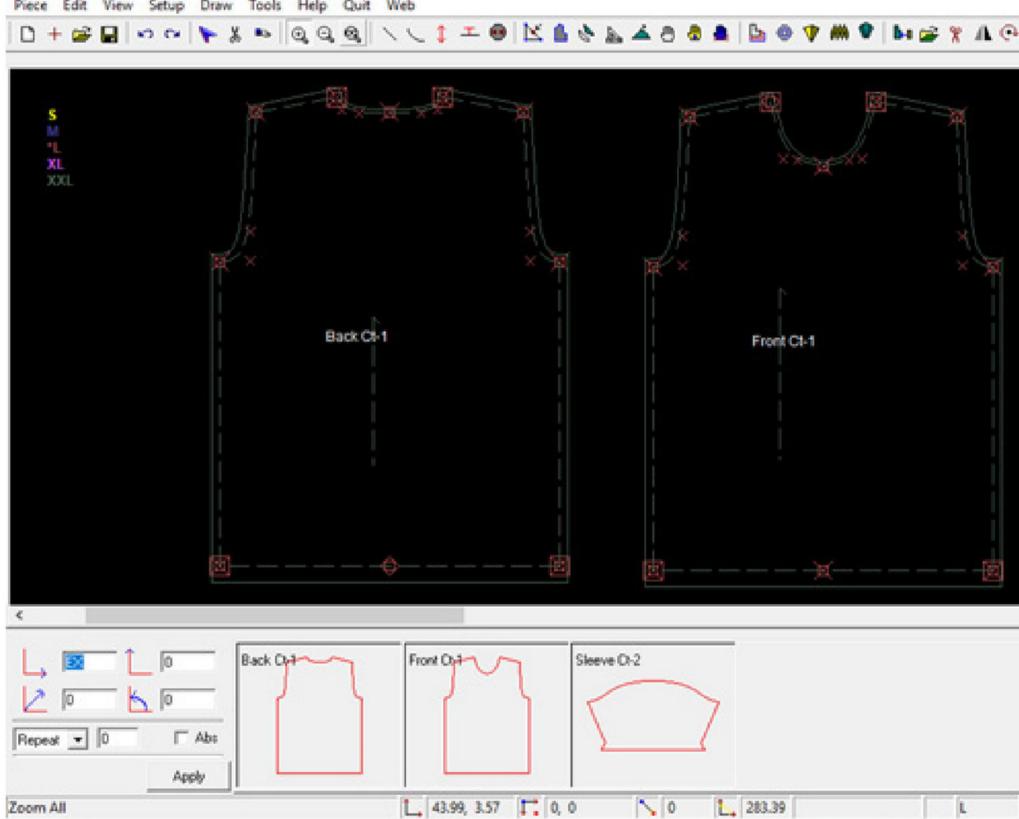
#### STEP-089 CLICK ON ZOOM ALL TO ENLARGE ALL THE PATTERNS.



### **REACH** Technologies



#### REACH PDS



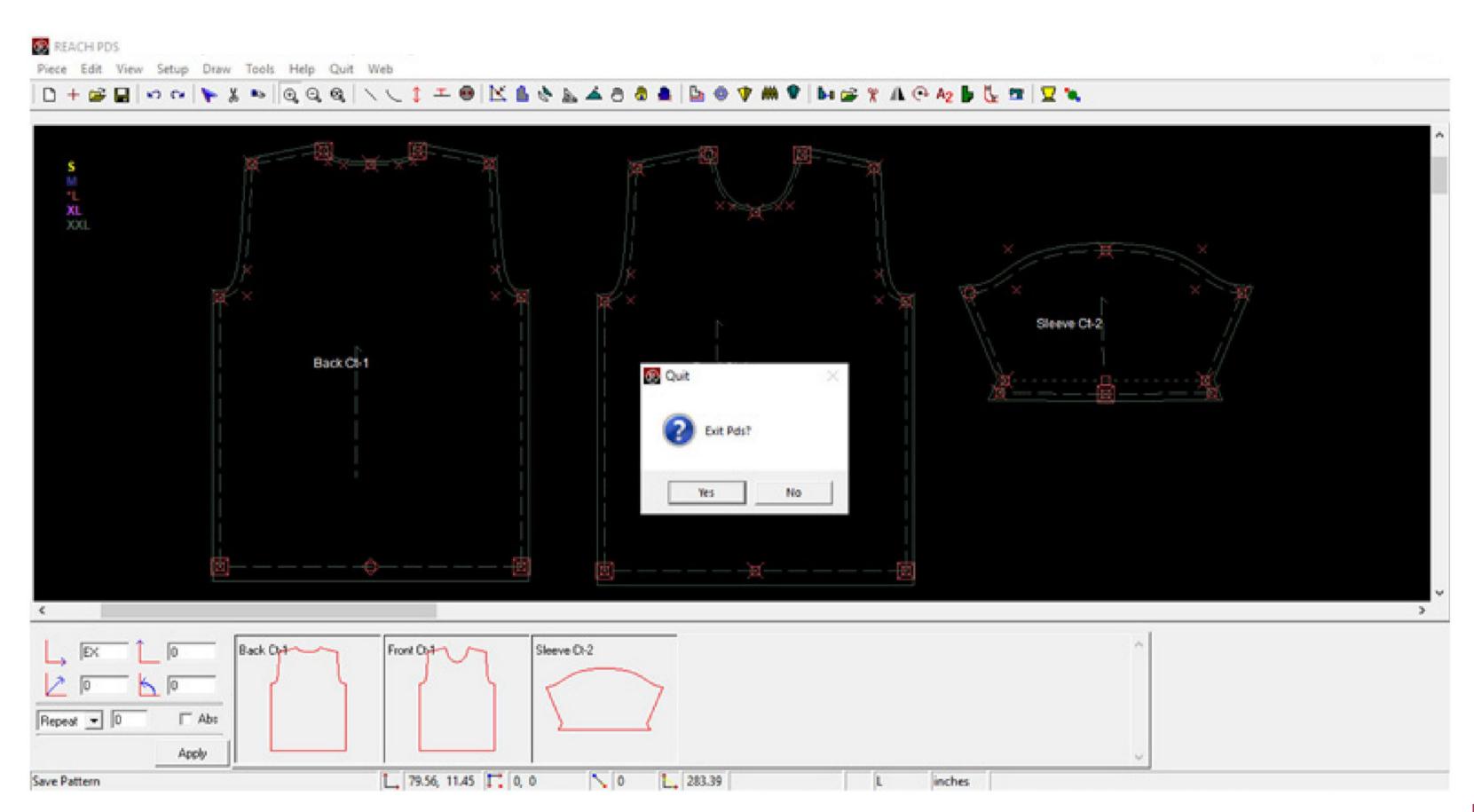
Piece Edit View Setup Draw Tools Help Quit Web

### **REACH** Technologies

×	
×W	
<u> </u>	
	>
^	



# STEP-090 SAVE ALL PATTERNS TO CLOSE.



### **REACH** Technologies





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.

