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BOLAJI TENIOLA
'MY CHAIR' ASSEMBLY INSTRUCTIONS

DO IT OURSELVES

THE DESIGN BRIEF

Each 'Do It Ourselves' project has been crafted by local designers using materials sourced entirely from their local hardware store, often from Bunnings. These designs serve as a challenge to inspire the public to get hands-on and create their own furniture pieces.

Each project has been designed to require only basic hand tools, making them accessible for anyone with a basic skill level. Additionally, all projects have been developed with a cost cap of \$150, ensuring they remain affordable and achievable for everyone



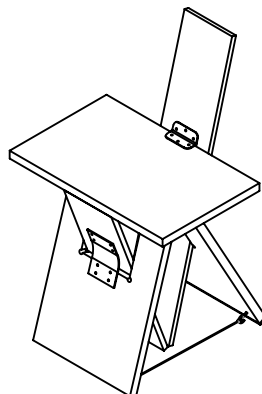
ABOUT THE DESIGNER

Bolaji Teniola is an emerging interdisciplinary designer who blends his furniture and industrial design training from RMIT University to create innovative pieces. He enjoys allowing the process to dictate the outcome, driven by curiosity about materiality and manufacturing.

ABOUT THE DESIGN

Inspired by the straightforward design and complex structure of Gerrit Rietveld's Zig Zag chair, 'My Chair' by Bolaji Teniola is a simple DIY chair made from two pine planks and minimal components for aspiring and intermediate makers.

With specific plank lengths selected to minimise waste when cut down at your local hardware store, the remaining drilling, cutting and assembly are done by the maker in their home, garage, shed, or other making space of choice. Makers are encouraged to customise their 'My Chair' and truly make it their own.



COMPONENTS

140 x 12mm 1.2m DAR Rectangle General Purpose Pine
285 x 19mm 1.8m DAR Pine Premium - 1.8m
Lane 70mm Primecoat Fixed Pin Durasmooth Butt Hinge x3
Zenith 6G x 16mm Zinc Plated Screws
Zenith 8G x 13mm White Button Head Screw
Moroday Grey Econo Weather Seal Tape
GRUNT 75m Jute Twine
Everhang 14mm Black Cup Hook x4
Pryda Nail-On Connector Plate 75 x 190mm x2

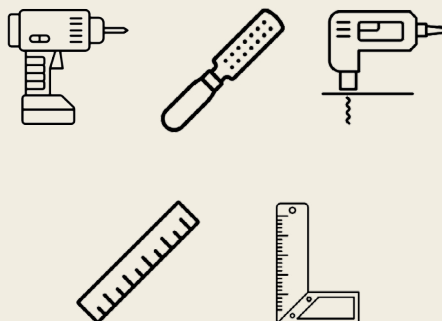
SERVICES

BUNNINGS CUT SHOP SERVICES STEP 1

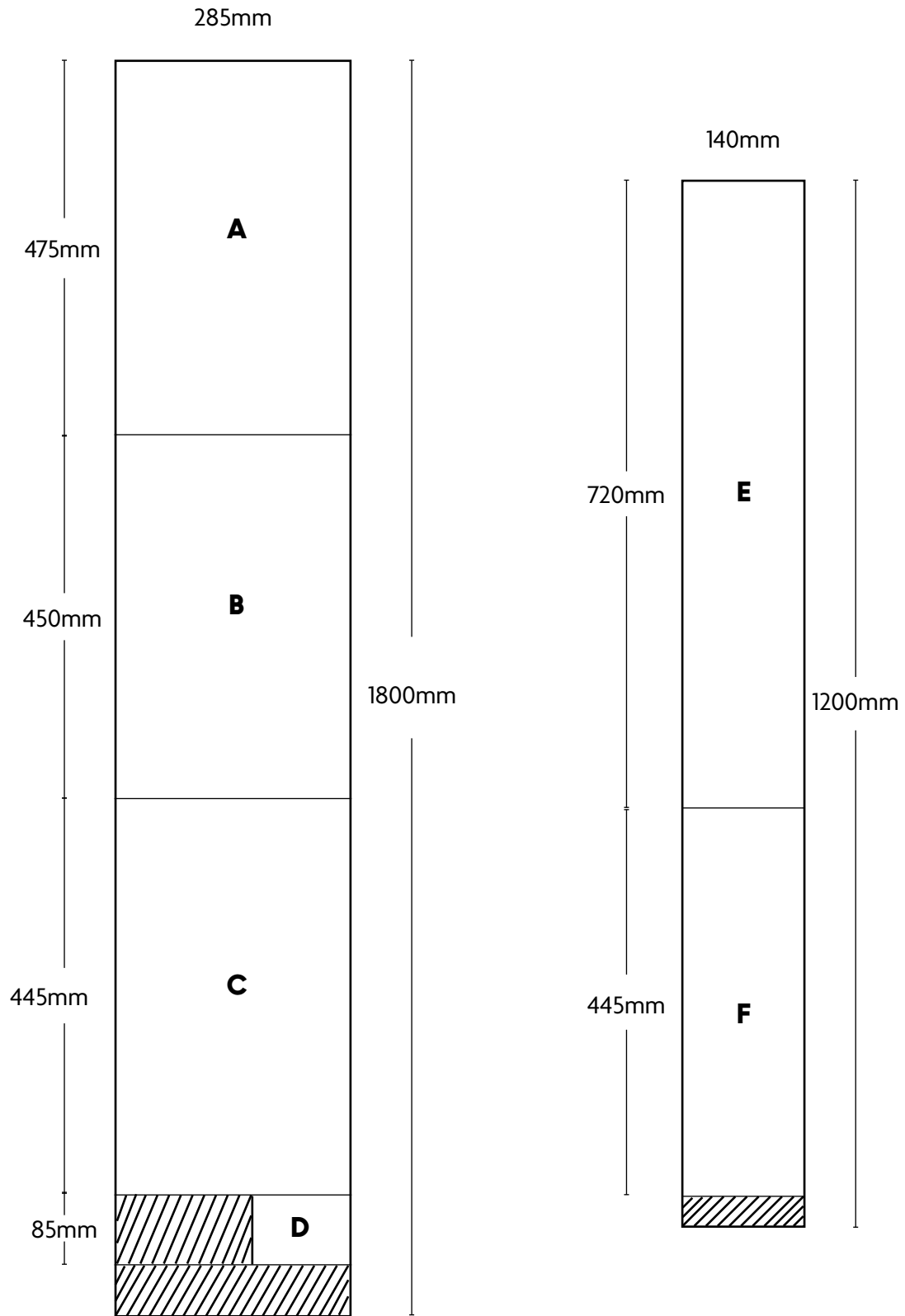
Total Purchase price \$124.05

TOOLS NEEDED

Trojan 140mm Surshape Plane
XU1 350W Jigsaw
Ryobi 18V ONE+ Drill Driver Starter Kit
Empire 200mm Polysteel Try Square



BUNNINGS CUT SHOP LIST



STEP 1

(A) USING A RULER AND A SET SQUARE DRAW A RECTANGLE AND MARK THE TWO CORNERS OF **PART C**

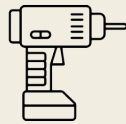
(B) DRILL TWO HOLES WITH AN M10 DRILL BIT ALL THE WAY THROUGH

(C) USING A JIGSAW CUT ALONG THE MARKED LINES TO REMOVE CENTRAL RECTANGLE AND USE A RASP TO SMOOTH OUT THE CUTS

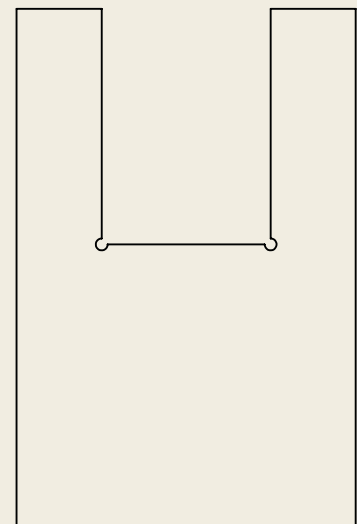
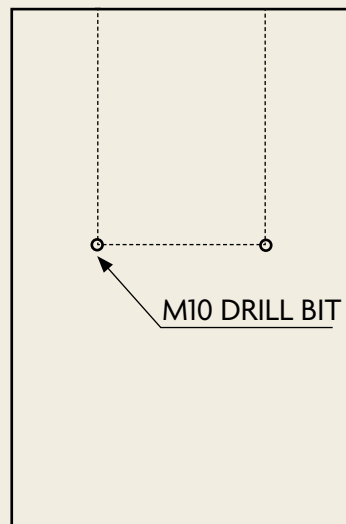
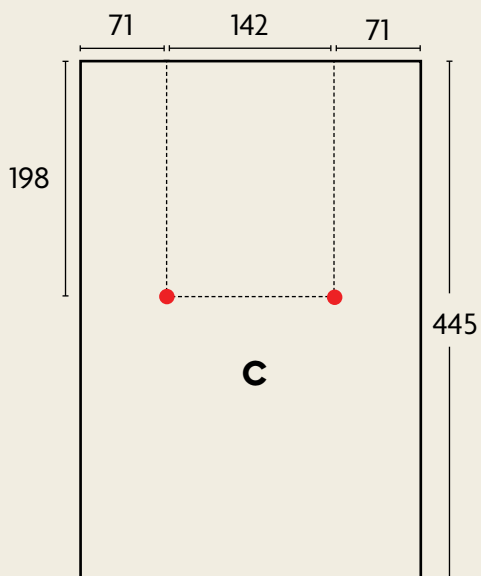
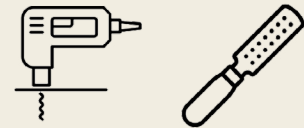
(A)



(B)



(C)



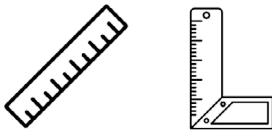
STEP 2

(D) USING A RULER AND A SET SQUARE DRAW A RECTANGLE AND MARK THE TWO CORNERS OF **PART A**

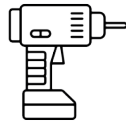
(E) DRILL TWO HOLES WITH AN M10 DRILL BIT ALL THE WAY THROUGH

(F) USING A JIGSAW CUT ALONG THE MARKED LINES TO REMOVE CENTRAL RECTANGLE AND USE A RASP TO SMOOTH OUT THE CUTS AND FINALLY CREATE A 5 X 10MM CHAMFER ON EDGE DETAIL CIRCLED IN RED

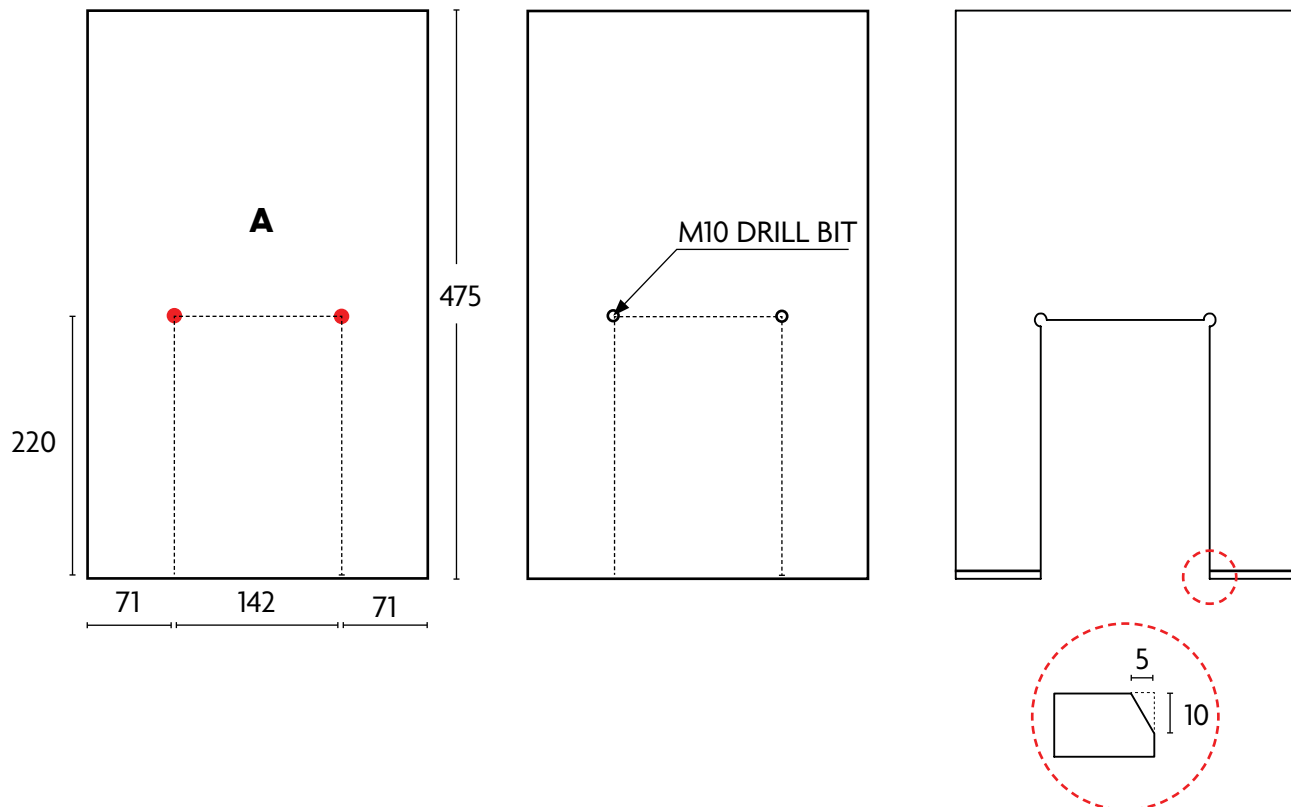
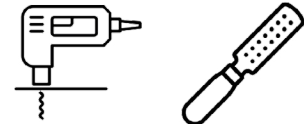
(D)



(E)



(F)



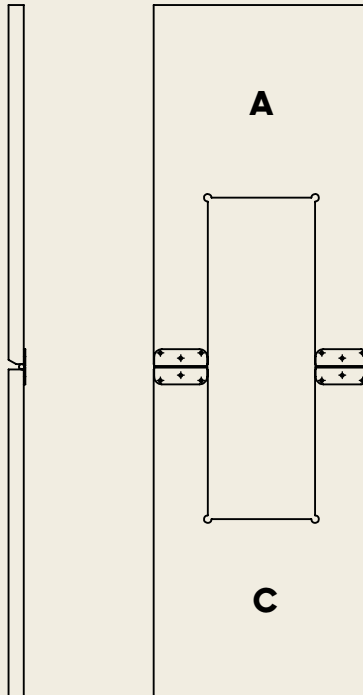
STEP 3 - LEG BASE ASSEMBLY

(G) USING 2 OF THE Lane 70mm Primecoat Fixed Pin Durasmooth Butt Hinge JOIN PART B & C TOGETHER USING 12 OF THE Zenith 6G x 16mm Zinc Plated Screws

TIP: FOR SOME REASON BUNNINGS DONT SELL G6 SCREWS SMALLER THAN 16MM. TO AVOID THE SCREWS POPPING OUT TO THE OTHER SIDE OF THE TIMBER DRILL EACH SCREW IN 5MM, TAKE THEM OUT AND FILE OFF THE VERY ENDS. ONCE FILED DRILL THEM ALL THE WAY IN AND THIS SHOULD AVOID THIS ISSUE.

NOTE: ENSURE CHAMFERED DETAIL IS FACING AWAY FROM HINGES AND THAT THE TIMBER BOARDS ARE ALIGNED CORRECTLY

(G)



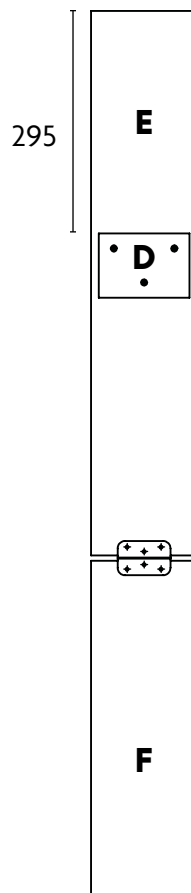
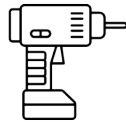
STEP 4 - BACKREST ASSEMBLY

(H) USING 1 OF THE Lane 70mm Primecoat Fixed Pin Durasmooth Butt Hinge JOIN **PART E** & **F** TOGETHER USING 6 OF THE Zenith 6G x 16mm Zinc Plated Screws

(I) ONCE **PART E & F** HAS BEEN HINGED TOGETHER SCREW PART D 295MM FROM THE TOP EDGE AND CENTRED TO BOARD E. THIS COMPONENT WILL ACT AS A WEDGE TO HOLD UP THE SEAT REST ONCE ASSEMBLED

NOTE: ENSURE THAT THE TIMBER BOARDS ARE ALIGNED CORRECTLY BEFORE ATTACHING THE HINGE

(H) / (I)

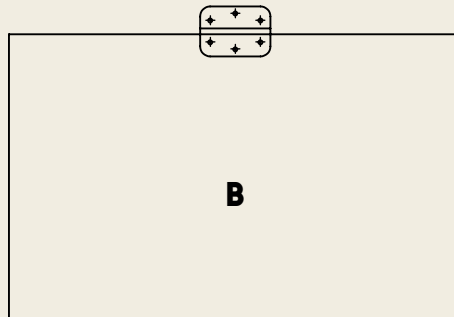


STEP 5

(J) SCREW 1 Lane 70mm Primecoat Fixed Pin Durasmooth Butt Hinge TO **PART B** USING 3 OF THE Zenith 6G x 16mm Zinc Plated Screws

NOTE: THIS WILL BE THE SEAT PANEL OF THE CHAIR AND WILL BE SCREWED INTO POSITION ON THE BACK REST IN STEP 7

(J)

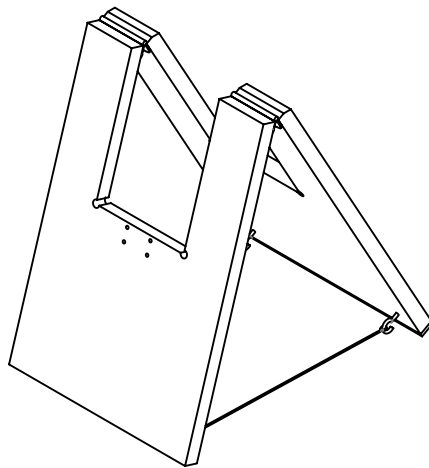


STEP 6

(N) ADD THE Everhang 14mm Black Cup Hooks IN EACH CORNER OF THE LEG BASE ASSEMBLY. MARK OUT A POSITION 27MM IN AND 65MM UP FROM EACH CORNER AND PRE-DRILL A PILOT HOLE SLIGHTLY SMALLER THAN THE HOOK THREAD (NO NEED TO DRILL ALL THE WAY THROUGH).

BY HAND SCREW THESE HOOKS INTO POSITION AND CUT AND TIE THE GRUNT 75m Jute Twine ONTO THE HOOKS AT THE SPAN 350MM. THIS IS TO STOP THE LEGS FROM OPENING PAST THE DESIRED ANGLE.

(N)



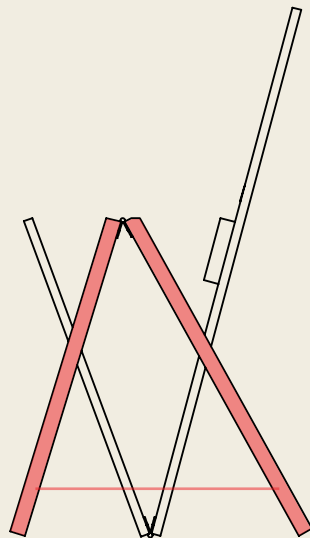
STEP 7

(K) NOW THAT THE LEG BASE CAN FORM A STABLE TRIANGLE (SHOWN IN RED) WE CAN NOW FOLD THE BACKREST ASSEMBLY INTO THIS CUTOUT AREA

(L) POSITION THE SEAT BASE ON TOP OF THE LEG BASE AND BACKREST ASSEMBLY AND ENSURE THE SEAT SITS FLAT. ONCE SEAT BASE IS IN POSITION ATTACH THE HINGE ON THE SEAT BASE TO THE BACKREST USING 3 SCREWS.

NOTE: ENSURE THE SEAT BASE IS FLAT ON THE LEG BASE - CHAMFER MAY NEED TO BE INCREASED ON LEG BASE FOR SEAT TO SIT FLAT

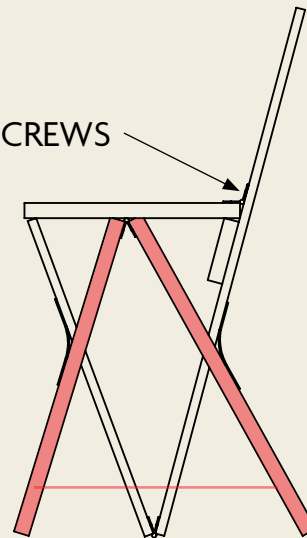
(K)



(L)



3X SCREWS

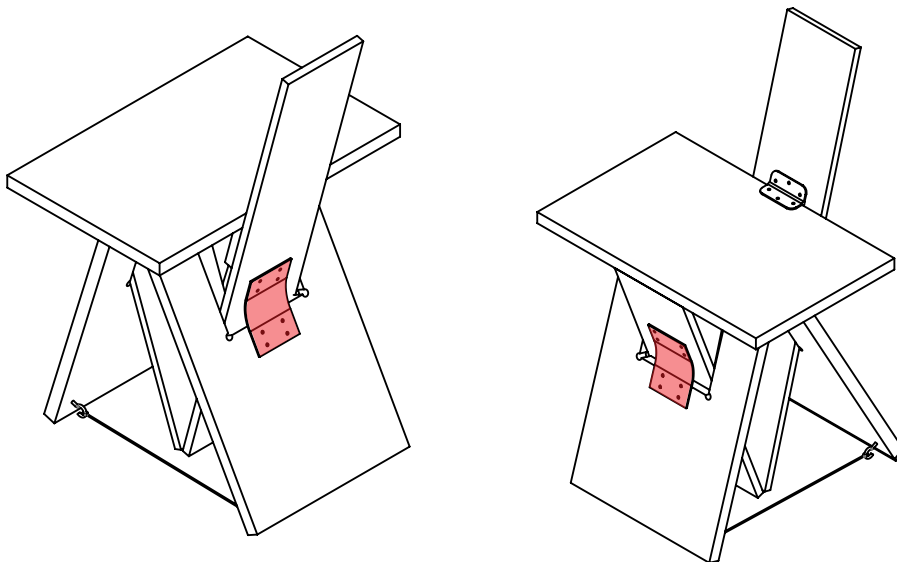


STEP 8

(M) ONCE THE SEAT IS LEVEL ATTACH THE TWO Pryda Nail-On Connector Plate 75 x 190mm USING THE Zenith 8G x 13mm White Button Head Screw ON BOTH FRONT AND BACK OF THE CHAIR AS SHOWN IN THE DRAWING BELOW.

NOTE: THESE CONNECTOR PLATES ARE TO PROVIDE RIGIDITY TO THE STRUCTURE AND SHOULD BE ATTACHED ONCE ALL COMPONENTS FEEL LEVEL AND IN POSITION.

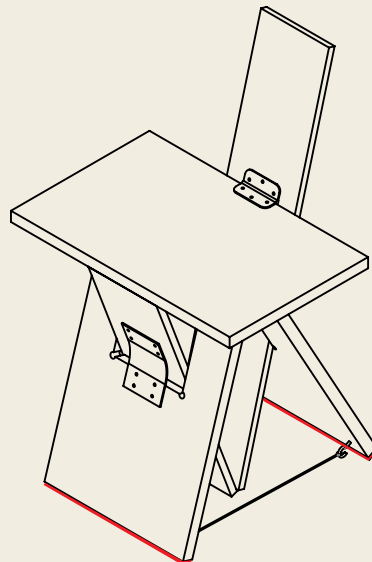
(M)



STEP 9

(O) LASTLY, WE WILL CUT AND ATTACH THE Moroday Grey Econo Weather Seal Tape TO THE ENDS OF THE LEGS SO THAT WE HAVE A SOFT LEG BASE TO SIT ON ALL KINDS OF SURFACES

(O)



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