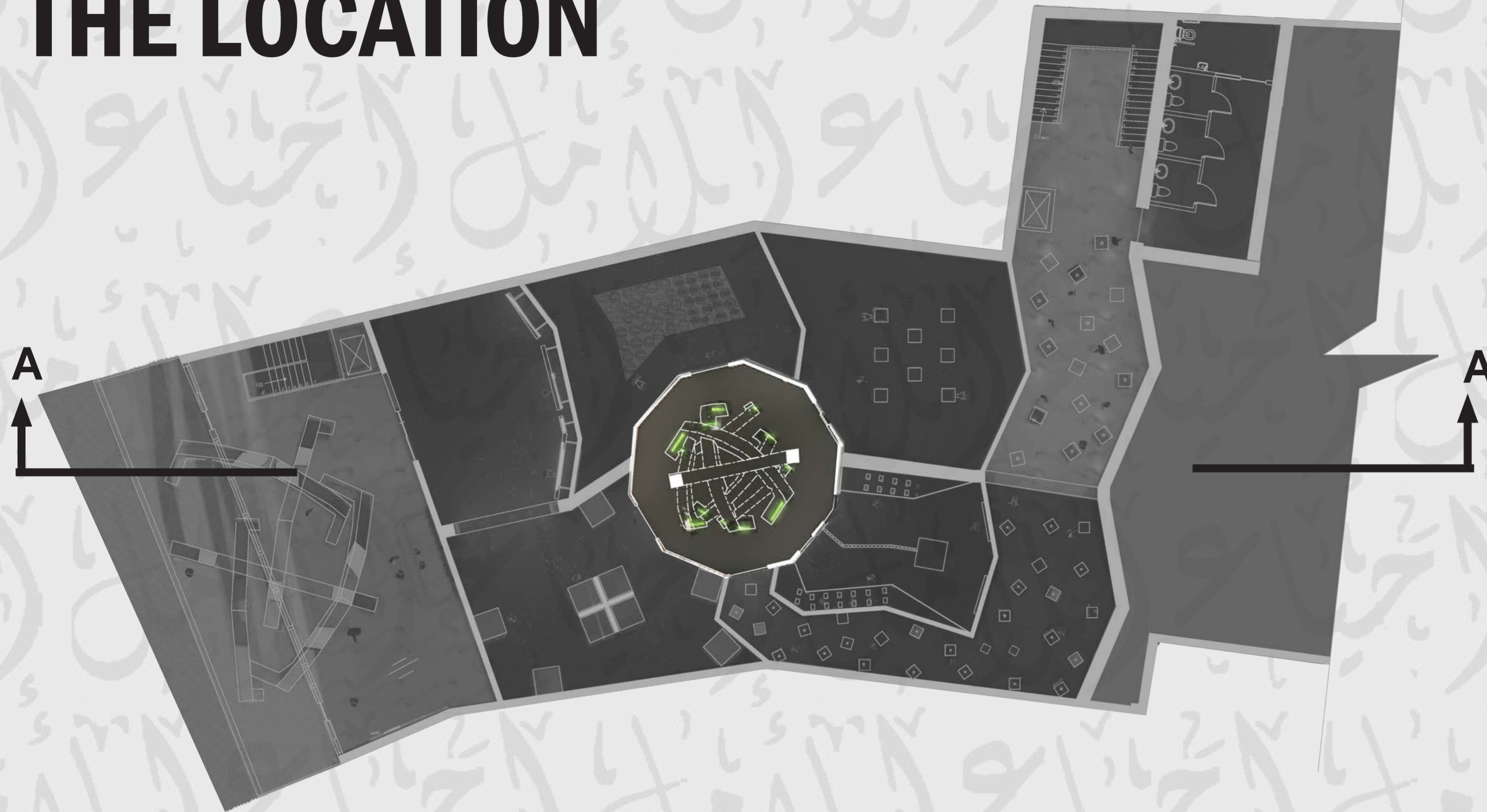


THE DOME

THE DOME IN AN EXHIBITION MADE FROM INTERLOCKING ARCHES. THESE ARCHES REPRESENT THE CULTURAL UNITY OF THE ARAB LEAGUE COUNTRIES. THE DOME IS PART OF AN IMMERSIVE EXHIBITION SPACE AND IS THE CENTRE POINT TO THE ENTIRE EXHIBITION, CONNECTING ALL THE OTHER DIFFERENT EXHIBITIONS TOGETHER.



THE LOCATION



THE PROJECT 'REVIVING HOPE' IS LOCATED WITHIN LEICESTER CITY CENTRE. 'THE DOME' IS POSITIONED IN THE CENTRE OF THE EXHIBITION ON THE FIRST FLOOR.

THE PROJECT CONSISTS OF AN EXHIBITION AND RETAIL SPACE REPRESENTING THE SUFFERING CITIZENS OF THE ARAB LEAGUE EXPERIENCE ON A DAILY BASIS, ALSO HAVING A CHARITABLE ELEMENT TO IT. 'THE DOME' WAS CRAFTED TO EMPHASISE THE DARKNESS IN THOSE PEOPLE'S LIVES BUT ALSO REPRESENT HOPE THROUGH THE USE OF LIGHTING IN THE SPACE.

THE ENGRAVINGS ON THE WALLS TRANSLATE TO 'REVIVING HOPE', WHICH LIGHTS UP. THE REPETITION OF THE ENGRAVING AIMS TO CREATE A FEELING OF CONFUSION BUT, AT THE SAME TIME FAMILIARITY WITH THE TEXT. THE USE OF ARABIC WAS IMPERATIVE AS IT IS THE NATIVE LANGUAGE THAT UNITES ALL THE ARAB LEAGUE COUNTRIES TOGETHER.

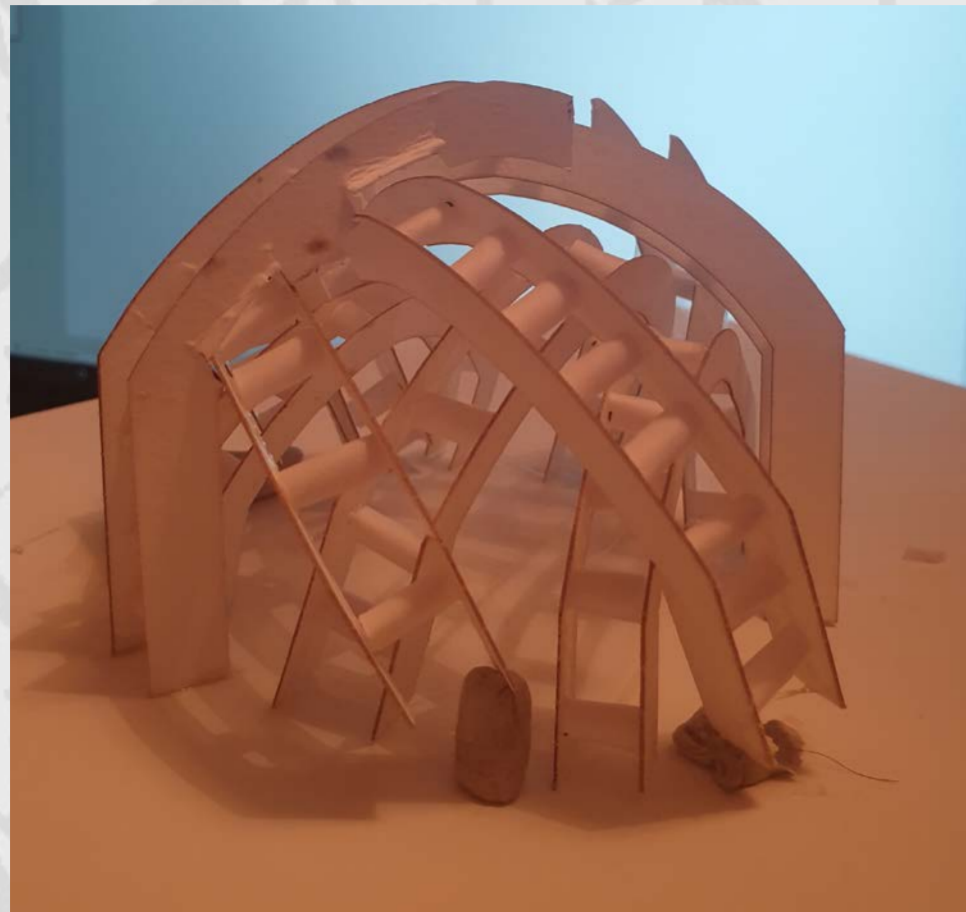
THE ARCHES ARE MADE FROM CLEAR ACRYLIC, INTERSECTING TOGETHER IN A MANNER THAT CREATES A SMALL MAZE FOR THE VISITORS TO EXPLORE. THE CHOICE OF GREEN FOR THE LIGHTING REPRESENTS THE BRAND COLOURS BUT ALSO HOPE. THE LIGHTS ALSO SERVE AS A SAFETY FEATURE, ENSURING NO VISITORS BUMP INTO THE CLEAR ARCHES.

FIRST FLOOR PLAN

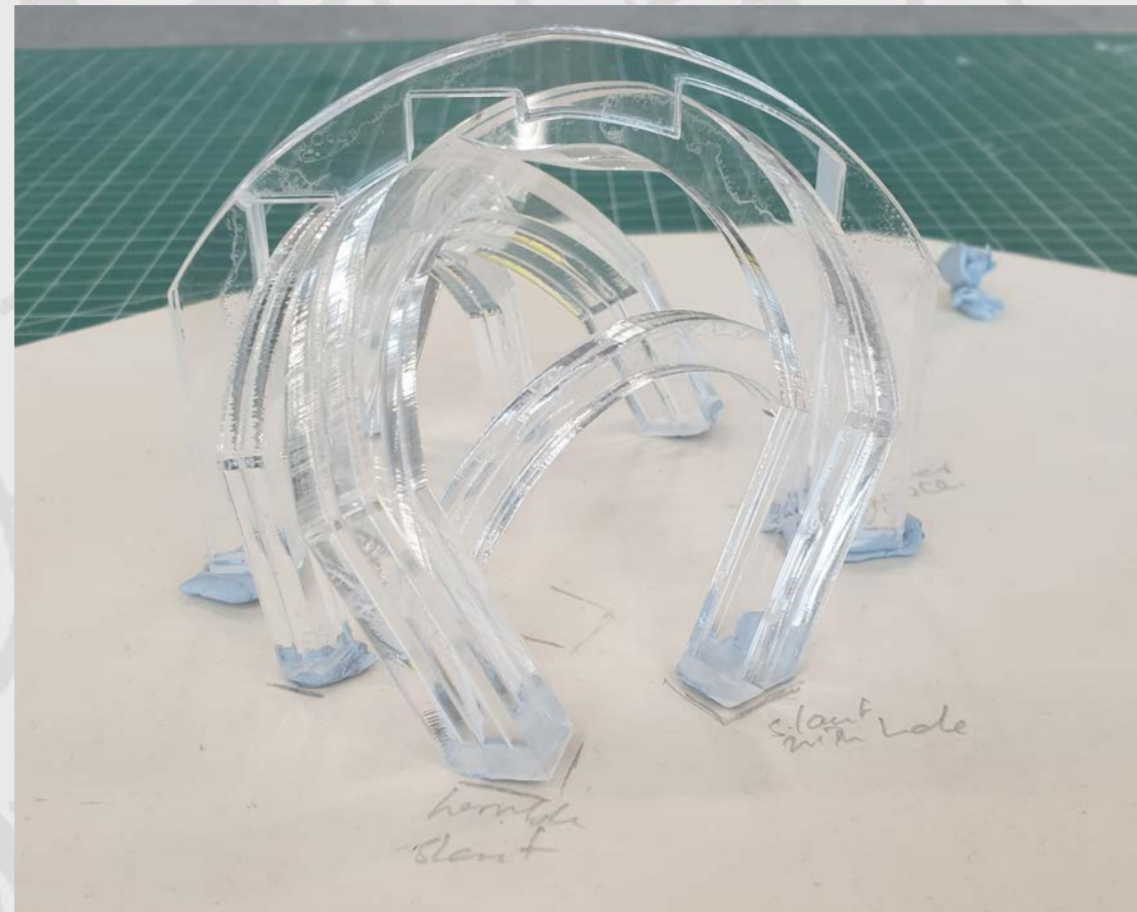


SECTION A-A

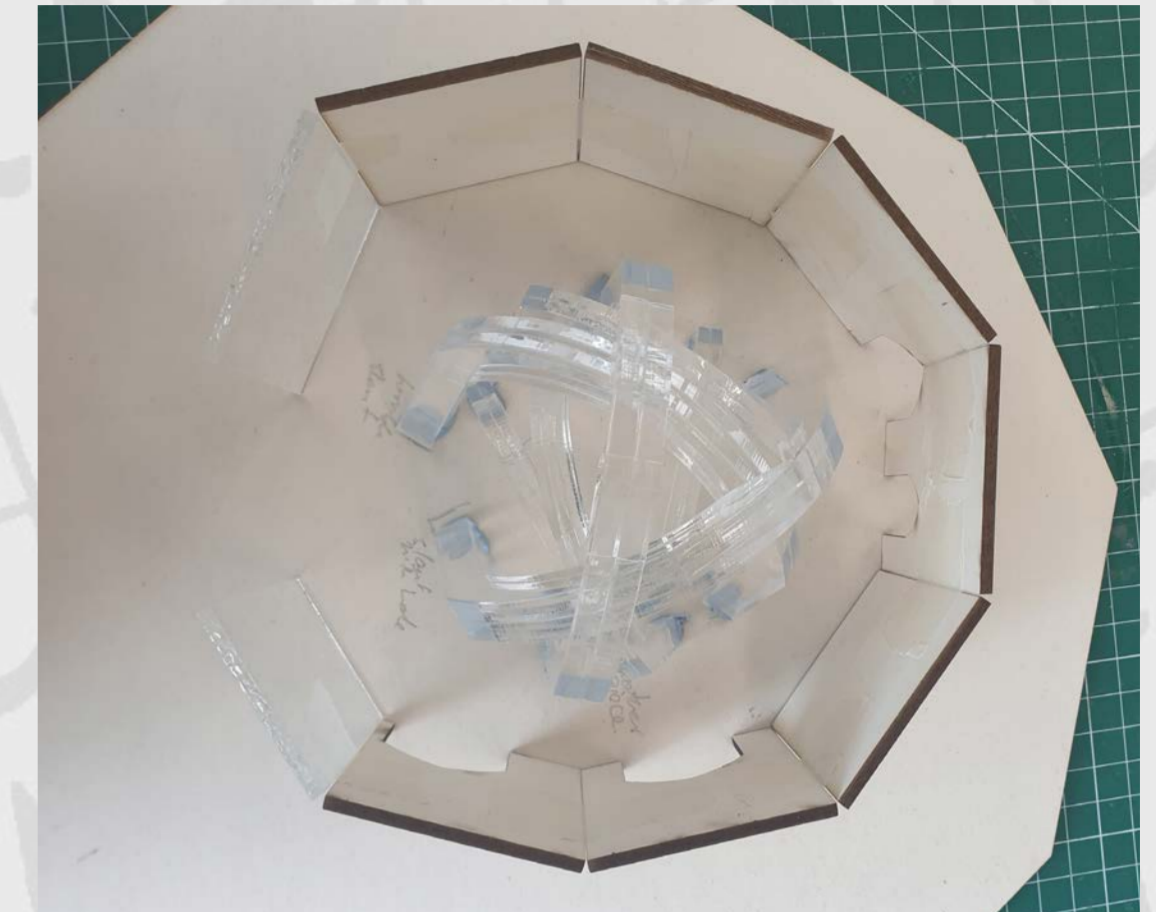
THE MAKING



IN ORDER TO WORK OUT WHERE THE ARCHES INTERSECT AND THE ANGLES THEY COME AT, I MADE A PROTOTYPE FROM PLYBOARD FIRST. I USED MY SKETCHUP 3D MODEL TO MAKE SENSE OF THE SHAPE AND THEN CUT OUT THE ARCHES TO A 1:50 SCALE. I THEN USED PAPER STRAWS TO ALLOW ME TO ADD THE CORRECT THICKNESS TO THE ARCHES.



ONCE THE MEASUREMENTS WERE SORTED OUT, I THEN MOVED ON TO MAKING THE SECOND PROTOTYPE FROM CLEAR ACRYLIC, USING THE STACKING METHOD. THIS ALLOWED ME TO JUDGE THE POSITIONING OF ANGLED ARCHES AND IF THE SLITS WERE BIG ENOUGH. THIS WAY I WAS ABLE TO IDENTIFY ALL THE FAULTS WITH THE MODEL BEFORE MAKING THE FINAL ONE.



AS THE SPACE IS DARK, I DECIDED TO HAVE 3 CLEAR ACRYLIC WALLS, ALLOWING ONE TO SEE INSIDE THE MODEL. I THEN DECIDED TO ENGRAVE THE ACRYLIC WITH THE TEXTURE INSTEAD OF PAINTING IT DUE TO THE ACCURACY AND TIME-EFFICIENCY ENGRAVING PROVIDED. ONCE THE MODEL HAD THE WALLS BUILT, I DECIDED TO SCALE THE MODEL UP TO 1:25.



I USED A PLAYBOARD BASE AND MARKED OUT WHERE THE ARCH FORMATION SAT WITHIN THE WALLS ON THE MODEL BEFORE CONNECTING THEM TO THE BASE, TO ENSURE ALL THE ANGLES WERE CORRECT.

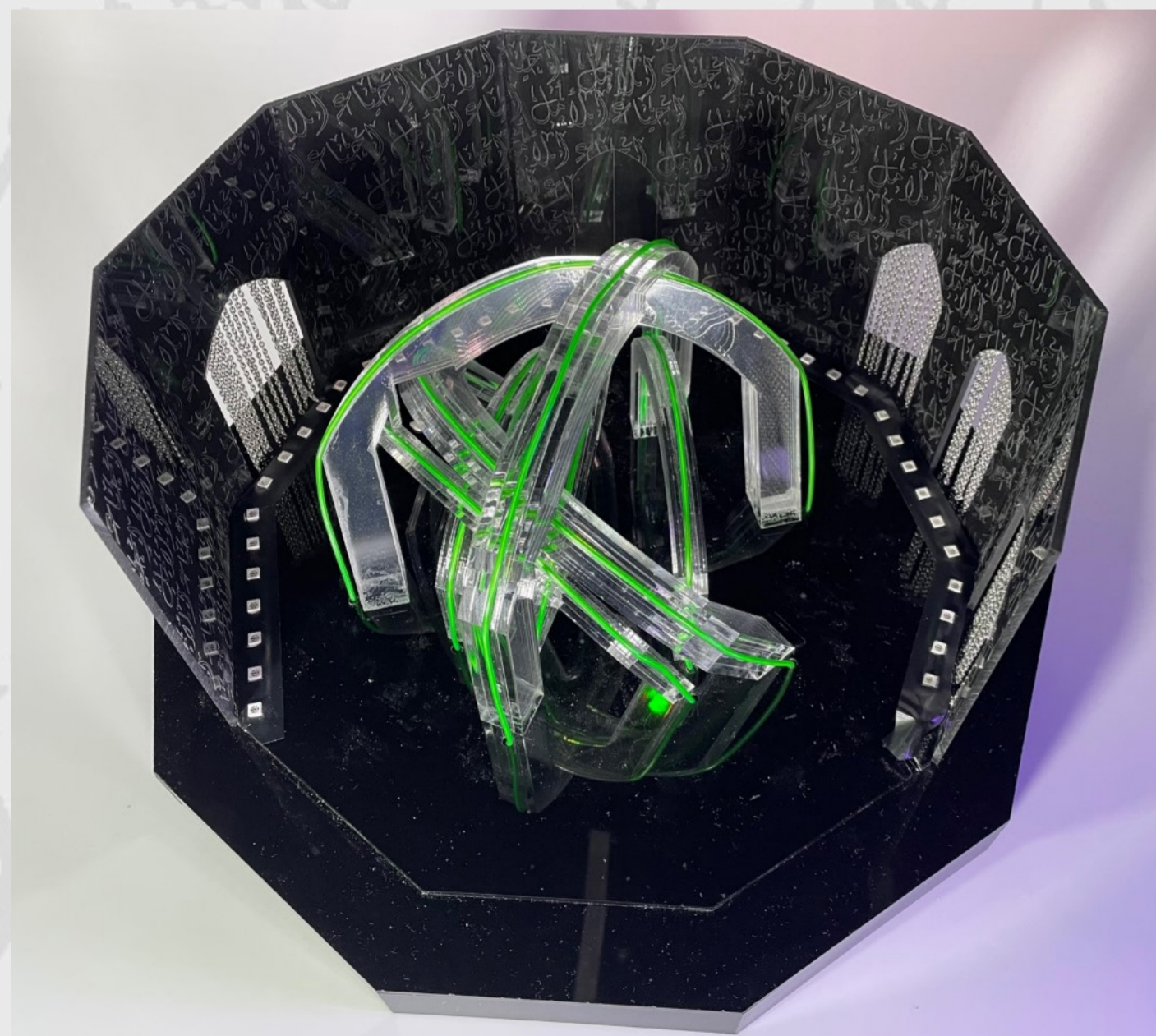
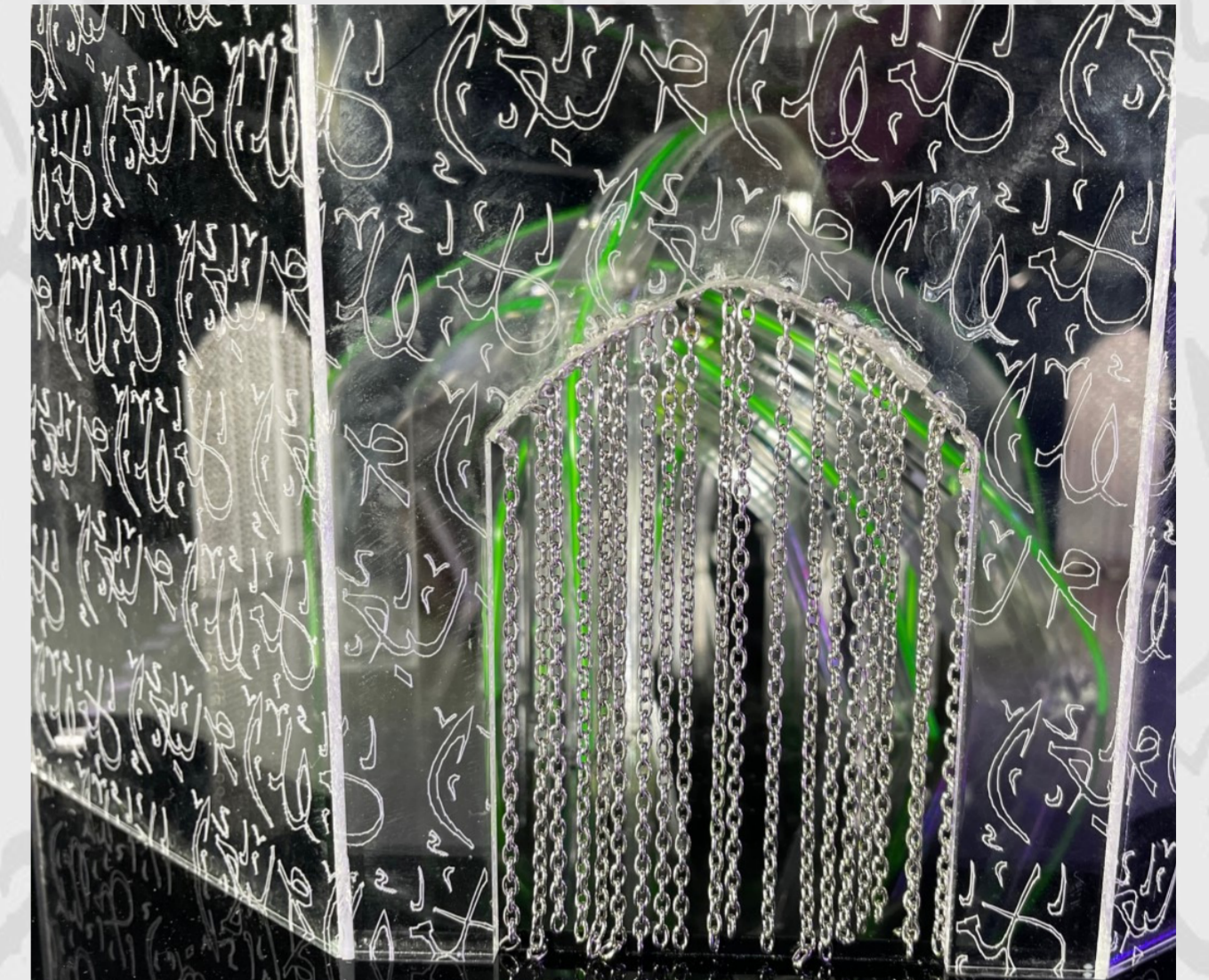
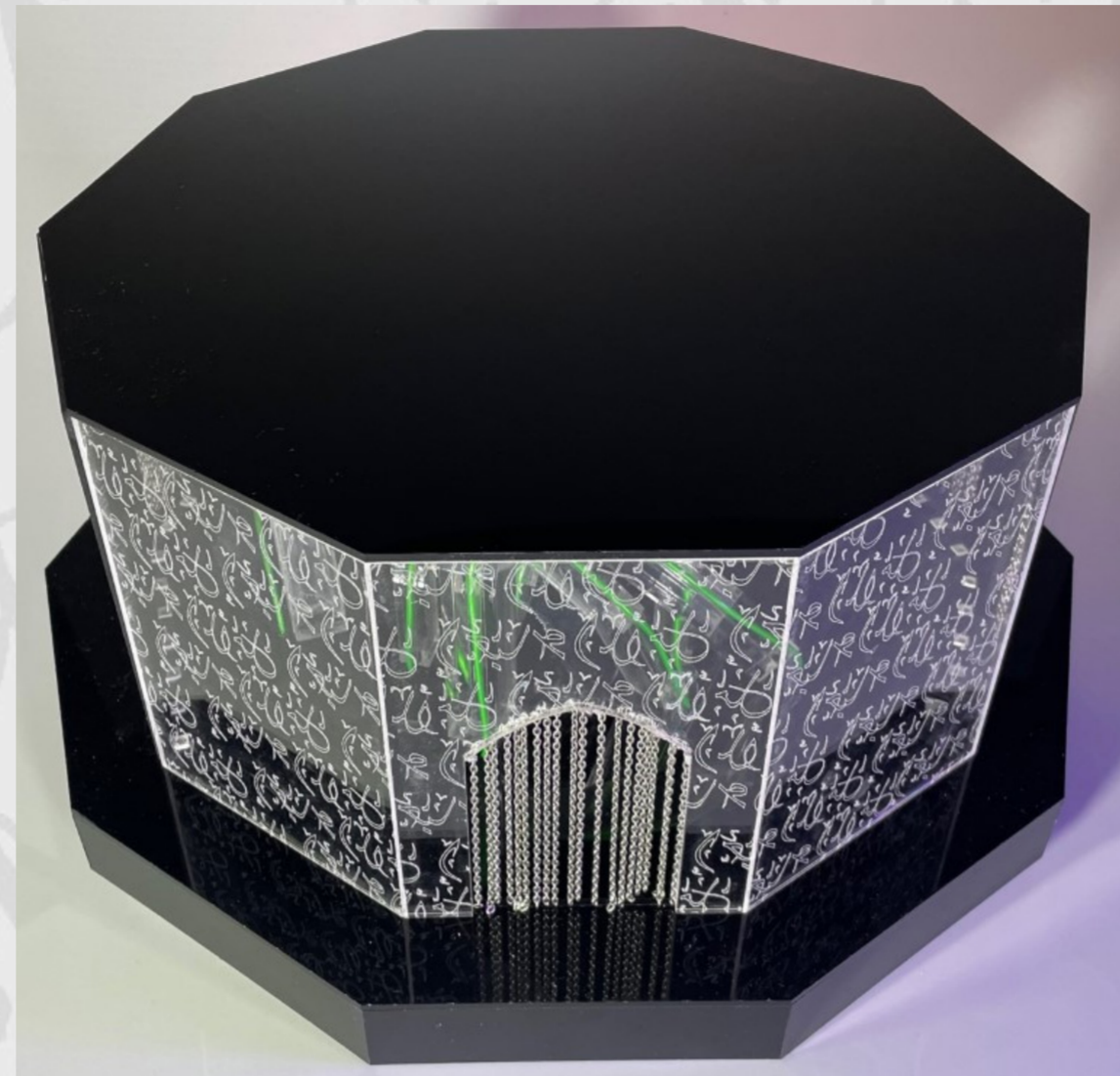


I THEN DECIDED TO USE CLEAR ACRYLIC FOR ALL THE WALLS AND SPRAY PAINT THE EXTERIOR BLACK, WHICH ALLOWS THE LED LIGHTS TO SHINE THROUGH FROM UNDERNEATH THE BASE AND HIGHLIGHT THE ENGRAVINGS. MITRE JOINTS WERE USED IN ORDER TO FLAWLESSLY ATTACH THE WALLS TOGETHER.



I THEN ATTACHED THE BATTERY-POWERED NEON STRING LIGHTS TO THE ARCHES WITH DOUBLE-SIDED TAPE FOR A CLEAN FINISH. THE BASE CREATED ALLOWED FOR THE BATTERY TO BE HIDDEN UNDERNEATH. I THEN USED CHAINS TO RESEMBLE THE MIRROR CURTAIN DOORS IN THE DESIGN. FINALLY, I SOLDERED THE LED LIGHT ON THE BASE AND USED A BLACK TAB TO COVER THE WHITE THAT WOULD BE SEEN SO THAT IT DOES NOT CONTRAST WITH THE BLACK BASE.

THE EXTERIOR



THE EXTERIOR OF THE MODEL WAS MADE FROM CLEAR AND BLACK ACRYLIC. THE 3 CLEAR ACRYLIC WALL PIECES ARE STUCK TO THE CEILING SO THAT THEY CAN BE PICKED UP IN ONE PIECE. THIS ALLOWS PEOPLE TO BE ABLE TO SEE INSIDE THE MODEL AND VIEW THE ARCHES BETTER. THE LED LIGHTS ARE A USB CABLE AND THE NEON STRING LIGHTS ARE BATTERY POWERED THEREFORE THE BASE WAS MADE TO BE ABLE TO HIDE THE WIRING UNDERNEATH WITHOUT DISTORTING THE SHAPE OF THE MODEL. I MADE THE BASE THE SAME SHAPE AS THE MODEL SO THAT IT IS CONTINUOUS.

THE INTERIOR

