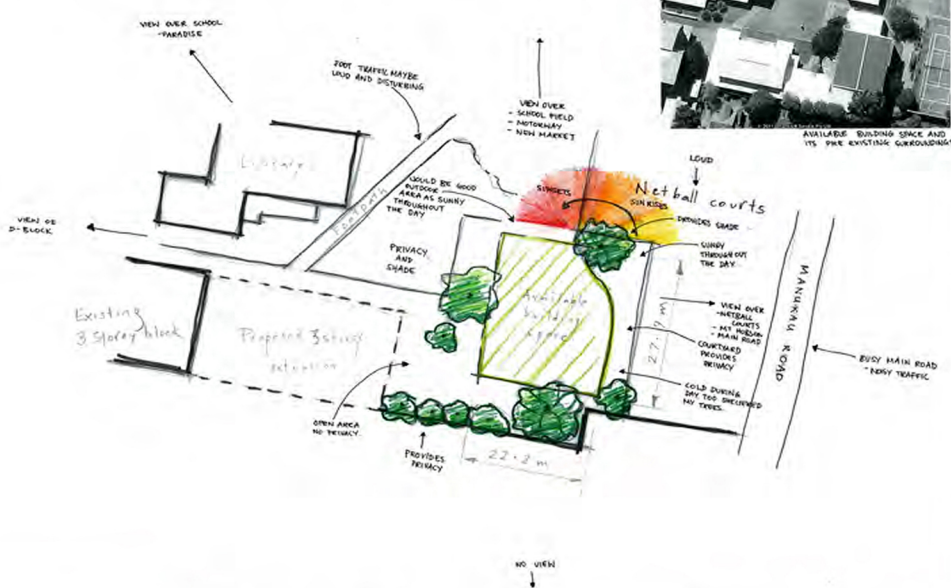
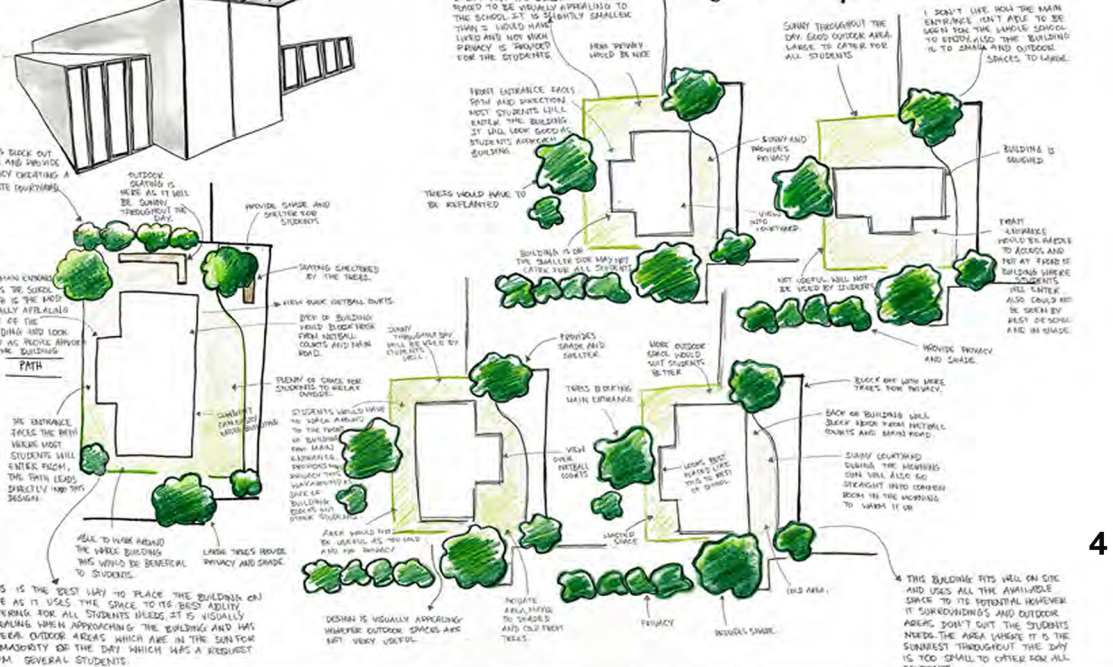


design development - AVAILABLE BUILDING SITE AND ITS SURROUNDINGS

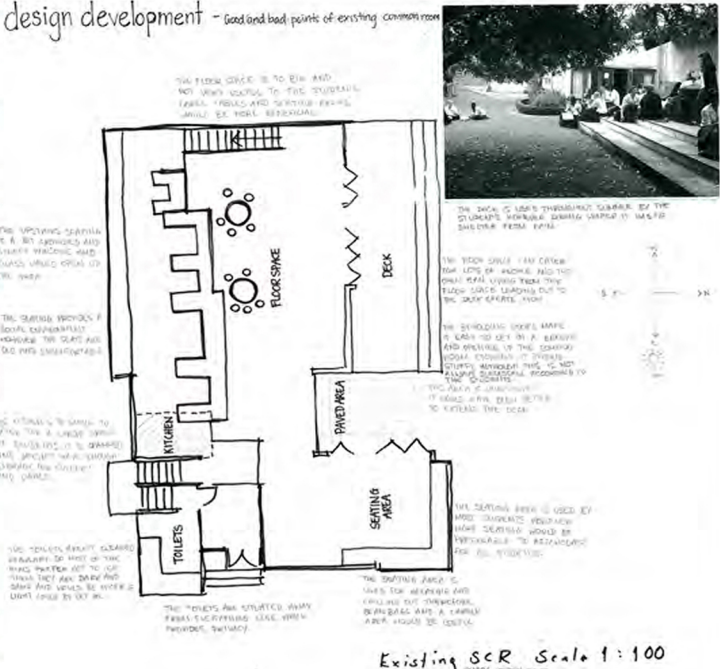
HOW WILL MY BUILDING BE PLACED ON SITE?



design development - PLACING BUILDING ON SITE

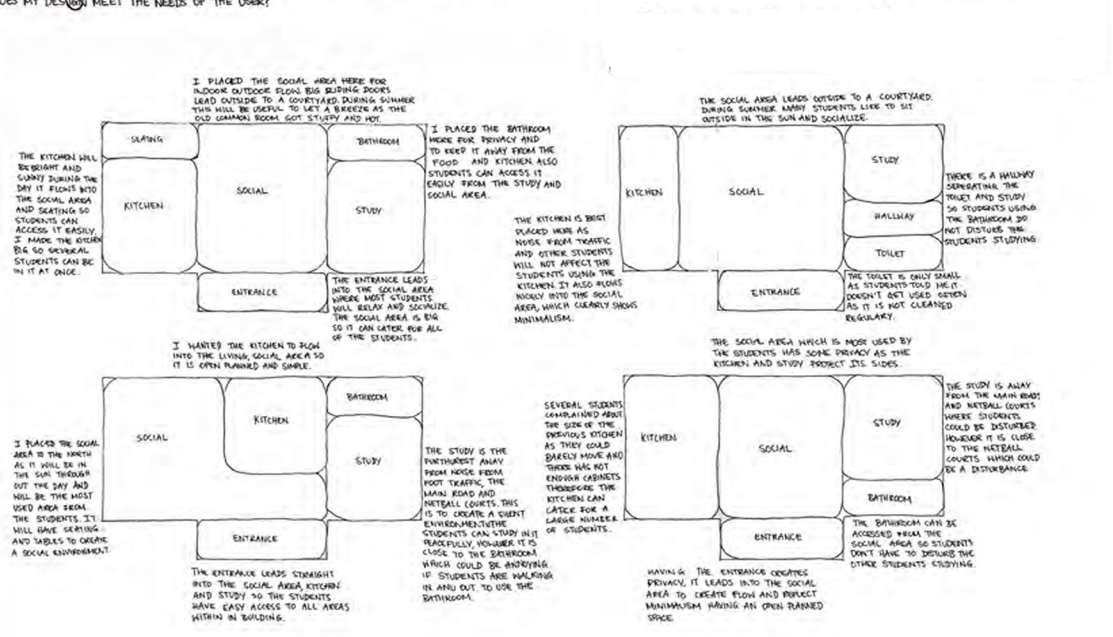


design development - Good and bad points of existing classrooms



design development - FLOOR PLAN, GOOD AND BAD POINTS

DOES MY DESIGN MEET THE NEEDS OF THE USER?



Existing SCR Scale 1:100

design development

How can I make my building visually appealing?

THE CROSS IS TOO CHUNKY AND LOOKS OUT OF PLACE ON SUCH A NARROW BUILDING.

I LIKE THE LONG NARROW SHAPE OF THIS BUILDING IT IS MODERN AND ELEGANT HOWEVER MAY NOT PROVIDE A BIGGER ENOUGH AREA TO CATER FOR ALL STUDENTS.

THIS CROSS REFLECTS TADAO ANDO'S MINIMALIST BUILDINGS HOWEVER IT IS RELATED TO RELIGION SO IT IS NOT SUITABLE.

I DON'T LIKE HOW THE SIDE OF THIS BUILDING HAS BECOME THE FRONT IT IS NARROW AND BOXY LOOKING.

THE THINNER CROSS IS MORE ELEGANT AND GRACEFUL WHILE STILL BEING A MAIN DETAIL OF THE BUILDING. I PREFERRED IT ON THE SIDE OF THE BUILDING.

THE THIN CROSS HARMONISES WELL WITH THIS BUILDING AND ALSO ADDS ELEGANCE WHILE STILL KEEPING A MINIMALISTIC STYLE.

I TOOK THE BASIC SHAPE OF A RECTANGLE AND STRETCHED IT OUT TO MAKE A MORE SLENDER AND THIS CREATES A SENSE OF ELEGANCE.

I USED A DOUBLE LINE TO GET AWAY FROM USING A CROSS. IF DOESN'T VISUALLY BENEFIT THE BUILDING AND IS UNNECESSARY DETAIL.

BY ADDING TWO SMALLER PARTS TO THE BUILDING IT MAKES THE SHAPE OF THE BUILDING MORE VISUALLY INTERESTING. IT CREATES RHYTHM AND PROVIDES MORE SPACE.

THE LINES WHICH CROSS IN THE MIDDLE ADD MINIMAL DETAIL AND CREATE MOVEMENT BY DRAWING MY EYE VERTICALLY AND HORIZONTALLY UP THE BUILDING.

HAVING THE MIDDLE SECTION OF THE BUILDING TALLER CREATES INTERESTING DETAIL AND WOULD ALLOW THE INSIDE TO HAVE HIGH CEILINGS.

THIS BUILDING CLEARLY SHOWS THE MOVEMENT MINIMALISM. THE TALL GLASS DOORS ARE MODERN AND GRACEFUL AND SUIT THIS DESIGN BETTER THAN A CROSS. THIS DESIGN IS SYMMETRICAL. I HAVE USED THE PLAIN SHAPE OF THIS DESIGN. THE DESIGN IS MADE OF RECTANGLES WHICH HARMONISES IT AND BRINGS IT TOGETHER. I AM STILL NOT COMPLETELY HAPPY WITH ITS VISUAL APPEARANCE, MORE MINIMAL DETAIL NEEDS TO BE ADDED.

THE TWO SIDE COMPARTMENTS WOULD LOOK MORE VISUALLY APPEALING AND ELEGANT IF THEY WERE NARROWER CREATING A SLENDER CLEAN CUT FINISH.

HAVING SLIM GLASS PANELS COVER THE FRONT OF MY DESIGN IS VISUALLY APPEALING AND MINIMALISTIC.

THE GLASS WINDOW CREATE A SENSE OF PATTERN. BY REPEATING THEM ON THE OTHER SIDE THE DESIGN IS SYMMETRICAL.

I PREFERRED A MORE SLENDER AND STRETCHED APPEARANCE AS IT LOOKED MORE ELEGANT.

STEEL BEAMS.

THE SMALL TOP WINDOWS LET IN LIGHT AND HARMONISE WITH THE RECTANGULAR DOORS.

THE BACK OF THE BUILDING HAS BY FOLDING DOORS FOR INDOOR OUTDOOR FLOW. I LIKE THE LOOK OF LARGE GLASS DOORS HOWEVER THEY DON'T PROVIDE MUCH PRIVACY.

2

I PREFER THE DOUBLE GLASS DOORS TO BY FOLDING DOORS AS IT HARMONISES WITH THE FRONT ENTRANCE AND SUITS THE SHAPE OF THE BUILDING BETTER. HAVING GLASS PANELS ON THE SIDE AS WELL AS THE FRONT IS TOO BUSY AND PROVIDES NO PRIVACY.

THIS BUILDING APPEARS VERY MINIMALISTIC. IT IS SLENDER AND LONG CREATING MOVEMENT BY DRAWING YOUR EYE TO THE BACK OF THE BUILDING. THE LARGE GLASS DOORS ARE MODERN AND CHIC LOOKING. THEY WILL LET IN LOTS OF LIGHT WHICH IS A PART OF MINIMALISM AS LIGHT CREATES SPACE WHICH IS APPEALING TO THE HUMAN EYE. THE FOUR WINDOW PANELS ON EACH SIDE OF THE BUILDING SHOW REPETITION FROM REPEATING THE RECTANGULAR SHAPE. THESE ALSO HARMONISE WITH THE RECTANGULAR DOORS.

EXTEND AND MAKE SLENDER.

BY ADDING AN OVERHANGING ROOFLINE I HAVE CREATED MOVEMENT AND ADDED MINIMAL DETAIL WHILE STILL HAVING A FLAT ROOF.

I DON'T LIKE THESE WINDOWS ON THE SIDE IT MAKES THE DESIGN TOO BUSY NOT MINIMALISTIC. SMALLER TOP WINDOWS WOULD BE PREFERABLE.

I LIKE THE SEQUENCE OF FOUR PANELS ON EITHER SIDE OF THE BUILDING IT CREATES A PATTERN BY REPEATING THE RECTANGULAR SHAPE.

THE GLASS DOOR CAN HOOK BACK TO CREATE A FREE STANDING GLASS PANEL. THIS LOOKS ELEGANT AND WOULD BENEFIT THE USERS WHO COULD WALK IN AND OUT EASILY.

design development - FLOOR PLAN

HOW WILL EVERYTHING BE ARRANGED TO SUIT THE USERS NEEDS?

DURING SUMMER THE USERS OF THE PREVIOUS COMMON ROOM INFORMED ME IT GETS STUFFY AND HOT WHICH IS WHY I HAVE USED SEVERAL WINDOWS AND BIG DOORS TO LET IN A BREEZE DURING SUMMER.

HIGH TOP WINDOWS LET IN LIGHT BUT PROVIDE SOME PRIVACY FOR THE STUDENTS. THE SUN WILL BE HITTING THE KITCHEN FOR A MAJORITY OF THE DAY.

THE GLASS SLIDING DOORS CREATE INDOOR OUTDOOR FLOW. THEY ARE ALSO OPPOSITE THE FRONT ENTRANCE GLASS DOORS MEANING YOU WILL BE ABLE TO SEE RIGHT THROUGH.

I PLACED THE SOCIAL AREA IN THE MIDDLE AS IT IS WHERE MOST STUDENTS WILL SOCIALISE AND THEY WILL WALK INTO IT FIRST FROM THE ENTRANCE. ALTHOUGH IT DOESN'T HAVE MUCH PRIVACY FROM THE GLASS DOORS THE STUDY AND KITCHEN PROTECT FROM THE SIDE PROVIDING SOME PRIVACY. IT WILL ALSO HAVE A VIEW OVER THE NETBALL COURTS.

STUDENTS TOLD ME THE BATHROOM AND TOILET WERE DARK AND DAMP AND NOT USED VERY OFTEN AS THEY WERE NOT CLEANED. THIS IS WHY I HAVE ONLY PROVIDED ONE TOILET WITH SEVERAL HIGH TOP WINDOWS FOR PRIVACY BUT LETTING IN LIGHT. THE GIRLS ALSO DISCUSSED THAT A SEPARATE BATHROOM WITH SINKS AND MIRRORS WOULD BE MORE USEFUL AND BENEFICIAL TO THEIR NEEDS. THE BATHROOM CAN BE ACCESSED FROM THE LIVING AND STUDY SO THOSE IN THE LIVING AREA DO NOT DISTURB STUDENTS STUDYING IN THE STUDY BY WALKING THROUGH THE BATHROOM.

THE STUDY IS PLACED IN THE QUIETEST AREA DUE TO ITS SURROUNDINGS. IT CAN BE CLOSED OFF FROM THE LIVING AREA SO THE GIRLS CAN STUDY. THERE IS PLENTY OF SEATING AND TOP WINDOWS TO LET IN LIGHT.

THE LIVING AREA AND STUDY ARE CARETAKEN. I DECIDED THIS AS SEVERAL SENIOR STUDENTS TOLD ME THROUGHOUT WINTER THE FLOORS AND ROOMS ARE FREEZING IN THE CURRENT COMMON ROOM.

I LEFT A LARGE KITCHEN AREA SO MANY STUDENTS CAN ACCESS IT AT ONCE. LARGE CABINETS FOR STORING FOOD AND TOTTLES, HAVE BEEN PLACED AGAINST WALLS TO SAVE SPACE AND AVOID CLUTTER. THE KITCHEN ISLAND ALSO PROVIDES EXTRA BENCH SPACE AS STUDENTS INFORMED ME THERE WAS NOT ENOUGH THE EXISTING COMMON ROOM KITCHEN. THE KITCHEN AREA HAS BEEN PLACED ON THE QUIETEST SIDE OF THE BUILDING AS IT WILL NOT AFFECT THE GIRLS. THE KITCHEN WILL BE TILED AND THEN CERAMIC TO COVER IN THE LIVING AREA THIS IS SO THE KITCHEN CAN BE KEPT CLEAN EASIER.

I HAVE INCLUDED A LARGE DINING TABLE SO STUDENTS HAVE AN INDOOR AREA THEY CAN EAT AND SOCIALISE AT.

IN THE ENTRANCE I HAVE PROVIDED ANOTHER AREA STUDENTS CAN SIT AND RELAX. I ALSO DECIDED MOVEABLE SEATING WOULD BE USEFUL TO THE STUDENTS SO I USED BEAN BAGS. THIS MEANS THEY CAN BE MOVED AROUND TO WHERE THE STUDENTS LIKE, EVEN OUTDOORS DURING SUMMER.

THE DOUBLE GLASS DOORS WILL LET IN LOTS OF LIGHT AND BE VISUALLY APPEALING WHEN STUDENTS ARE APPROACHING THE BUILDING.

I PROVIDED SEATING AND A COFFEE TABLE SO THE GIRLS CAN RELAX AND SOCIALIZE WITH ONE ANOTHER. THE SEATING IN THE CURRENT COMMON ROOM IS UNCOMFORTABLE AND OLD SO SOFAS AND BEANBAGS WOULD BE PREFERABLE TO BENCHES AS STUDENTS COMPLAINED ABOUT PREVIOUS SEATING.

LEGEND:
 - - - SLIDING DOORS
 - - - TOP WINDOWS
 - - - FULL GLASS WINDOW PANELS
 - - - GLASS DOORS
 - - - SLIDING GLASS DOORS

design development - STRUCTURE

THE GLASS DOORS WILL FIT INSIDE THE TILT SLAB.

SMALL TOP WINDOWS

THE DOORWAYS LEADING EACH PART OF THE BUILDING TOGETHER WILL HAVE TO BE CUT INTO THE TILT SLAB.

DOORWAY LEADING TO BATHROOM

DOORWAY LEADING TO STUDY

THESE STEEL BEAMS RUN DOWN THE BUILDING. TILT SLAB FITS IN BETWEEN EACH BEAM. THESE BEAMS MAKE UP THE SKELETON OF THIS BUILDING. THEY ARE STRONG AND CAN STAND IN WINDY CONDITIONS UNLIKE METAL BARS THIS IS WHY STEEL BEAMS WERE MOST SUITABLE FOR MY DESIGN.

THE ROOF OF THE TALLEST MIDDLE SECTION OF MY DESIGN HAS A STEEL BEAM RUNNING DOWN THE ROOF IT CONNECTS WITH THE TWO END BEAMS. THIS IS TOO SUPPORT THE CEILING SO IT DOESN'T DROOP OR SAG. IT PROVIDES AN EXTRA STRENGTH AND LONGER DURABILITY FOR MY DESIGN. IT ALSO ADDS SMALL DETAIL TO THE INSIDE CEILING OF MY DESIGN.

THE STEEL BEAMS ARE WELDED AND BOLTED TOGETHER TO ENSURE DURABILITY AND STRENGTH. THESE BEAMS WILL HOLD THE TILT SLAB, WINDOWS AND DOORS. IT IS THE STRONGEST MATERIAL SUITABLE FOR MY DESIGN AS IT APPEARS MINIMALISTIC.

THE STEEL BEAMS ARE ERECTED ON TO A CONCRETE FOUNDATION SO THEY ARE STABLE CREATING A SAFE BUILDING FOR ITS USERS.

THE TILT SLAB WILL HAVE HOLES CUT OUT FOR SOME SMALL WINDOWS ARE A DOOR.

THE ALUMINIUM FRAMES WHICH BORDER THE WINDOWS PROVIDES A STRONG HOLD FOR THE GLASS SECURING IT IN PLACE.

THESE SHEETS OF TILT SLAB WILL FIT IN BETWEEN THE STEEL BEAMS THAT RUN DOWN THE BUILDING, AND THE GLASS WINDOWS WILL POP INTO THEM.

WINDOWS IN TOILET AND IN THE STUDY.

Other Student work submitted has not been included in this exemplar