

# FORM DEVELOPEMENT



The kitchen seems to be too small for all of year 13 students. There is only 3 maximum people space to get in.

It's really crowded at lunch time people can't get through because there is not much of the space where seniors can all sit. Some

There is also deck along the building and at the end of the deck there is grass. Senior students sit on the benches that are on the deck and some of the seniors sit on the deck at lunch time or any free period they have.



The first floor and second floor is built hollow in the middle so seniors can look down and up each other, so that they could communicate.



There is long windows along to the deck, and it has curtains inside. Most of the time the curtains are closed. This could tell us that the sunlights are too strong or they don't enjoy the sunlights or maybe it's not the place to have windows because sunlights don't come in that much.

The other living area in first floor where the long windows are, don't have any desks that seniors can study on. Seniors might have to sit on the floor to do their work. There is stack of chairs on the corner of the room but there is only few of them.

There should be more benches so that senior students don't have to sit down on the floor when they don't have space to sit. Also the senior students don't use the blank space except for sitting down. So instead of having the spare blank there should be more benches so that seniors can stay more comfortable.



of the seniors had to sit on the ground because there is no sits for them. This senior common room is built in 2 stories, the first floor has kitchen, toilet, 2 living area and second floor has few benches to sit down. There is small 2 rooms on second floor it's used for storage.

On the first floor one of the living area has some benches to sit down and there is one little desk for about two people to use. Behind the benches there is windows and it gives nice and warm sunlight at the noon as you can see it on the photograph.

There should be more desks so that senior students can study in senior common room not library or any other place.



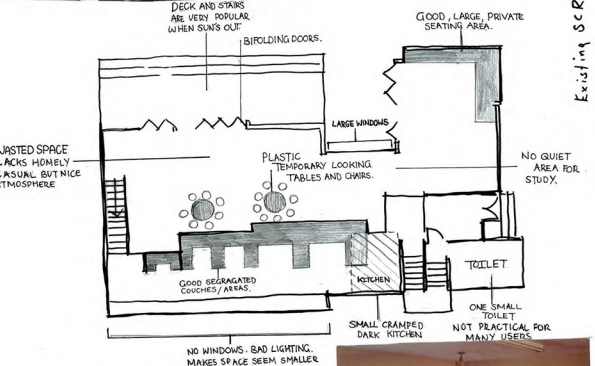
## Senior Common Room Analysis



POPULAR DECK SPACE

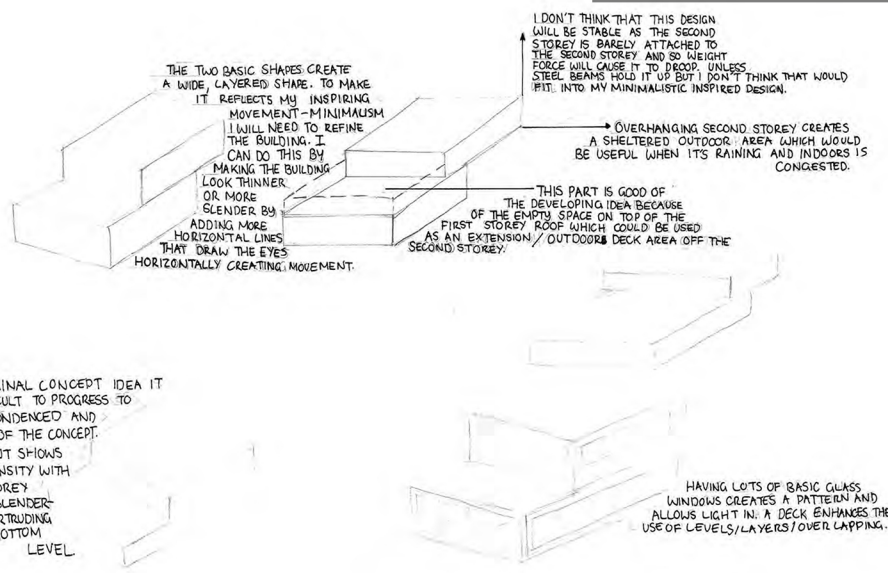
Existing SCR Scale 1:100

Other student work submitted has not been included in this exemplar

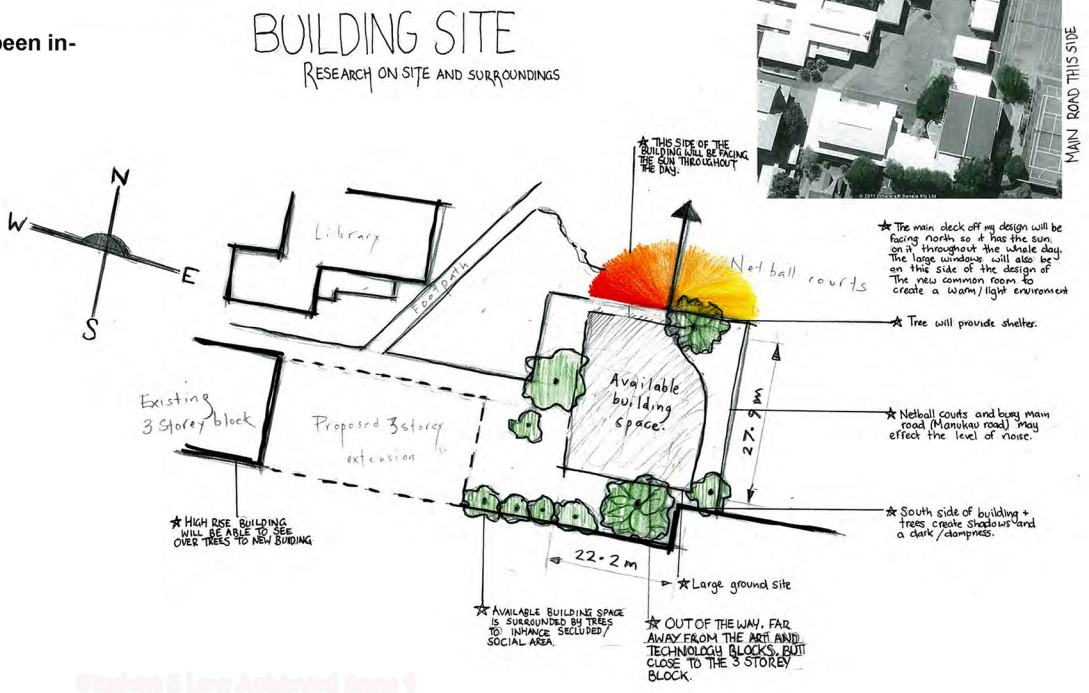


SMALL CRAMPED KITCHEN "ONLY FITS TWO PEOPLE IN THE KITCHEN AT ONCE" - SAYS A YEAR 13, FREQUENT USER OF THE CURRENT COMMON ROOM.

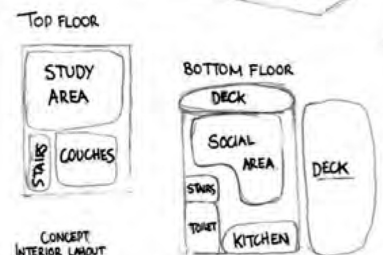
- EXISTING SENIOR COMMON ROOM
- POSITIVES
- TWO-STORY - MULTI SPACES
  - NORTH FACING OUTDOOR AREA
  - LARGE EMPTY SPACE
  - LOCATION - CLOSE TO CLASSES
  - BIFOLDING DOORS
  - AVAILABILITY
- NEGATIVES
- LACKS NATURAL LIGHT
  - NO FLOW TO DESIGN
  - CRAMPED KITCHEN
  - BAD INDOOR/OUTDOOR FLOW
  - NO OPEN LIVING
  - NO SEGREGATED QUIET AREA



FROM THE ORIGINAL CONCEPT IDEA IT WAS NOT DIFFICULT TO PROGRESS TO THIS, A MORE CONDENSED AND REFINED VERSION OF THE CONCEPT. THE DEVELOPMENT SHOWS LAYERS AND DENSITY WITH THE SECOND STOREY BUT ALSO THE SLENDERNESS OF THE PORTENDING UNDER HANGING BOTTOM LEVEL



**CRITERIA FOR INSIDE MY DESIGN**  
 ACCORDING TO CURRENT/FUTURE USERS OF THE COMMON ROOM MY DESIGN SHOULD INCLUDE:  
 - LARGE KITCHEN  
 - SMALL TOILET  
 - STUDY AREA  
 - SOCIAL AREA  
 - STUDY AREA THAT RESEMBLES LIBRARY  
 - LIGHT-NATURAL  
 I HAVE TRIED TO INCORPORATE AS MANY OF THESE FEATURES INTO MY DESIGN AS POSSIBLE TO CONSIDER THE NEEDS OF THE USERS TO ACCOMMODATE ALL FACILITIES REQUIRED BY YEAR 12 STUDENTS.



MY INITIAL INTERIOR LAYOUT FOR MY BUILDING CONSISTS OF THE TWO LEVELS (TOP FLOOR AND BOTTOM FLOOR). THE BOTTOM LEVEL WILL BE VERY SOCIAL AS IT IS VERY OPEN WITH A GOOD INDOOR TO OUTDOOR LIVING FLOW WHICH IS BENEFICIAL FOR WHEN THE WEATHER IS FINE. AS THERE IS MORE FLOOR SPACE, THE KITCHEN/STAIRS/TOILET ARE LOCATED IN THE SOUTHERN END OF THE BUILDING TO TUCK THEM OUT OF THE WAY FROM THE SOCIAL/MEETING PLACE. THE STAIRS LEAD UP TO THE SECOND FLOOR WHICH IS THE 'QUIET AREA' AND HAS A DOOR TO SHUT OUT THE NOISE FROM SOMETIME. LISTENS THERE WILL BE TABLES AND CHAIRS FOR STUDENTS/USERS TO DO THEIR WORK. COUCHES WILL ALSO BE LOCATED FOR THOSE WHO WANT TO READ. MY DESIGN IS MULTIPURPOSEFUL, USER SPECIFIC AND APPROPRIATELY POSITIONED IN RELATION TO THE LOCATION OF THE SITE.

**HOW WILL IT BE POSITIONED ON SITE?**



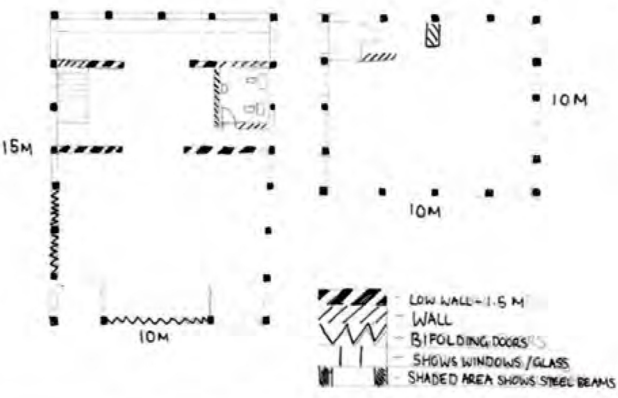
**FINAL LAYOUT**  
 WHEN PLACING THE BUILDING ON SITE IT IS IMPORTANT TO TAKE INTO ACCOUNT THE DIRECTION OF THE SUN. THE MAIN ENTRANCE TO THE BUILDING IS NORTH FACING SO THE SUN WILL STREAM THROUGH THE WINDOWS AND DOORS THROUGHOUT THE DAY. THE EASTERN SIDE OF THE BUILDING HAS LARGE WINDOWS AND AN EXTENSIVE ROOF SO IT WILL GET THE HEAVENLY SUN. THE MAIN ENTRANCE IS NOT ON THE EAST SIDE & NOT VERY ATTRACTION. THE WEST SIDE WILL ALSO HAVE LARGE WINDOWS TO WATCH THE AFTERNOON SUN. ALTHOUGH GET MUCH SUN WHEN IN USE AS SCHOOL. DESIGNERS AT 3-5 PM DESIGN ELEMENT AS NO BUILDING IS INSPIRED BY THE MINIMALISTIC/MODERNISM MOVEMENT AND SYMMETRY IS IMPORTANT.

MY CHOSEN LAYOUT IS SIMILAR TO MY INITIAL LAYOUT BUT MORE THOUGHTFULLY POSITIONED IN TERMS OF USER FRIENDLY, EVENNESS AND A GOOD FLOW. THE ENTRANCE IS LOCATED AT THE VERY TOP-NORTH OF THE BUILDING WHICH THEN GIVES WAY TO THE LARGE, CASUAL SOCIAL/LIVING AREA. SYMMETRICALLY ON THE SW AND SE SIDES FROM THE ENTRANCE IS THE TOILET CUBICAL WHICH IS ONLY SMALL AS ACCORDING TO USERS OF THE CURRENT SENIOR COMMON ROOM, THE TOILET IS RARELY USED BECAUSE NO ONE STAYS THERE VERY LONG. THAT'S GOING TO CHANGE WITH MY NEW DESIGN AS THE SEPARATED MEN'S, WOMEN, CHANGE ROOMS TO DO FOR STUDENTS THE STAIRS ARE LOCATED AT THE ENTRANCE AND BEHIND THE TOILET AND STAIRS IS THE KITCHEN WHICH UNLIKE THE CURRENT KITCHEN IS LONG AND SPACED OUT.

**FINAL LAYOUT.**  
 - FUNCTION OF DESIGN FEATURES.

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**FLOOR PLAN**

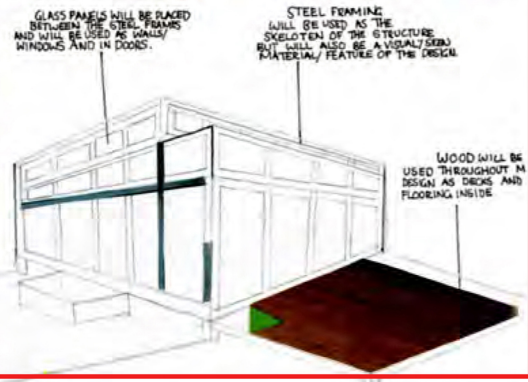


I DESIGNED MY LAYOUT FOR THE INTERIOR OF THE NEW SENIOR COMMON ROOM TO ACCOMMODATE THE NEEDS OF ALL USERS WITH SEPARATE DESIGNATED SOCIAL AND STUDY AREAS. YOU WILL NOTICE THE GROUND FLOOR CONTAINS THE KITCHEN, BATHROOM AND SOCIAL AREA AS SHOWN ON MY SITE POSITION PAGE. THERE ARE NOT WALLS SEPARATING EACH DIVISION (NOT INCLUDING THE TOILET WHICH HAS TO HAVE WALLS FOR PRIVACY REASONS) I HOWEVER USED LOW WALLS TO ADD VISUAL VARIETY TO THE BOTTOM FLOOR. I WANTED TO CLOSE OFF THE KITCHEN AREA AT THE TIME VERY BACK BUT THOUGHT BETTER OF IT AS I WOULD BE CUTTING OUT NATURAL LIGHT FROM REACHING THE KITCHEN. THIS IS WHY I PUT LOW WALLS IN. SO SUNLIGHT CAN STILL STREAM INTO THE KITCHEN. I HAVE ALSO PUT ONE AT THE BOTTOM OF THE STAIRS TO HELP MINORLY CUT DOWN THE NOISE TRAVELING UPSTAIRS TO THE STUDY AREA WHEN THE DOOR IS OPEN. MY MAIN REASON FOR USING LOW WALLS WAS TO CREATE AREAS/OPTIONS FOR VISUAL VARIETY WITHOUT CUTTING AREAS OUT COMPLETELY.

**MATERIALS**

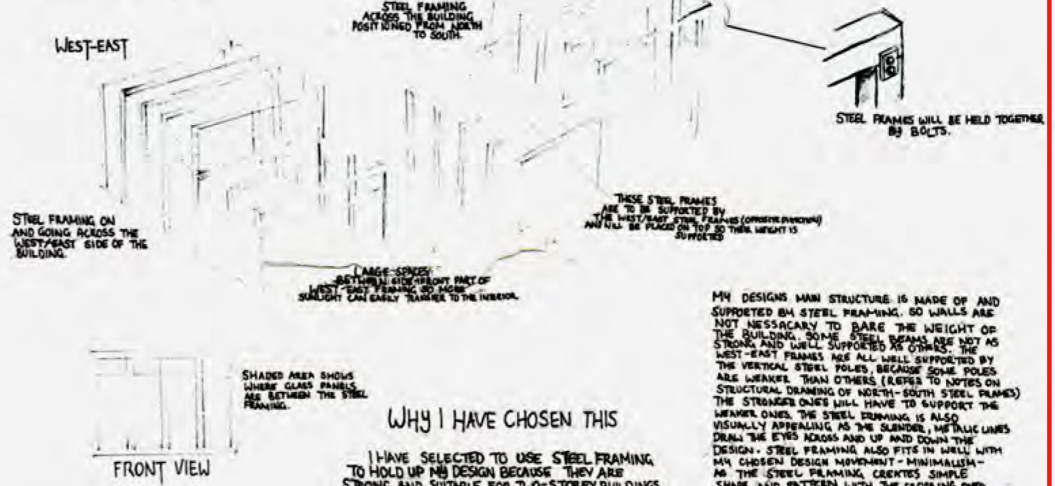
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STEEL FRAMING IS A COMMON MATERIAL USED IN MINIMALISTIC BUILDINGS. IT CREATES A SILVER SKELETON TO WHICH OTHER MATERIALS CAN FIT INTO. ON TOP OF IT IS ALSO RELATIVELY LOW MAINTENANCE AND TO ERECT ONLY INVOLVES BOLTING TOGETHER STEEL FRAMES. THE FRAMING IS ALSO THE MAIN STRUCTURE THAT HOLDS UP THE ROOF AND HOLDS THE WALLS TOGETHER. THE WALLS ARE ALL GOING TO BE MADE OF GLASS TO ENHANCE THE VISUAL SURROUNDINGS/ ENVIRONMENT. IT MAKES SPACES SEEM LARGER THAN THEY REALLY ARE. IT ALSO ALLOWS FOR A LIGHT SPACE WHERE SUN CAN FLOOD IN FROM ANY ANGLE AT ANY TIME OF THE DAY. GLASS IS QUITE HIGH MAINTENANCE AS IT GETS DIRTY EASILY AND REQUIRES FREQUENT CLEANING BUT IT'S POSITIVES WEIGH OUT ITS NEGATIVES. THE FLOORS OF BOTH THE BOTTOM AND TOP FLOOR ARE MADE OF TIMBER WHICH IS LOW MAINTENANCE AND DURABLE AND WILL FIT IN VISUALLY TO THE RATHER SIMPLE COLOUR PALETTE. I HAVE LEFT ALL MATERIALS IN THEIR NATURAL STATE AS MINIMALISM IS ABOUT THE REFINED BEAUTY OF DESIGN.



GLASS PANELS WILL BE PLACED BETWEEN THE STEEL FRAMES AND WILL BE USED AS WALLS/ WINDOWS AND IN DOORS.  
 STEEL FRAMING WILL BE USED AS THE SKELETON OF THE STRUCTURE BUT WILL ALSO BE A VISUAL DESIGN MATERIAL/ FEATURE OF THE DESIGN.  
 WOOD WILL BE USED THROUGHOUT IN DESIGN AS DECKS AND FLOORING INSIDE.

**STRUCTURE DEVELOPEMENT**  
 How will it stay up?



MY DESIGN'S MAIN STRUCTURE IS MADE OF AND SUPPORTED BY STEEL FRAMING. SO WALLS ARE NOT NECESSARY TO BARE THE WEIGHT OF THE BUILDING. SOME STEEL BEAMS ARE NOT AS STRONG AND WILL SUPPORTED AS OTHERS. THE WEST-EAST FRAMES ARE ALL WELL SUPPORTED BY THE VERTICAL STEEL POLES BECAUSE SOME POLES ARE WEAKER THAN OTHERS. (REFER TO NOTES ON STRUCTURAL DRAWING OF NORTH-SOUTH STEEL FRAMES) THE STRONGER ONES WILL HAVE TO SUPPORT THE HEAVIER ONES. THE STEEL FRAMING IS ALSO VISUALLY APPEALING AS THE SLENDER, METAL LINES DRAW THE EYES ACROSS AND UP AND DOWN THE DESIGN. STEEL FRAMING ALSO FITS IN WELL WITH MY CHOSEN DESIGN MOVEMENT - MINIMALISM - AS THE STEEL FRAMING CREATES SIMPLE SHAPE AND PATTERN WITH THE CROSSING OVER OF THE STRAIGHT STEEL FRAMES.

**WHY I HAVE CHOSEN THIS**

I HAVE SELECTED TO USE STEEL FRAMING TO HOLD UP MY DESIGN BECAUSE THEY ARE STRONG AND SUITABLE FOR TWO-STORY BUILDINGS IT ALSO ENHANCES THE VISUAL ENVIRONMENT WHEN GLASS IS ADDED/ PLACED BETWEEN FRAMING. I CONSIDERED USING TILT SLAB INSTEAD OF STEEL FRAMING BUT CHANGING MY DESIGN SO THERE WASN'T SO MUCH GLASS AS MY DESIGN HAS GLASS WALLS / A LOT OF WINDOWS WHICH WOULDN'T BE FUNCTIONAL IN A BUILDING MADE OF CONCRETE. ALSO MY DESIGN MUST LOTS OF LIGHT AVAILABLE AS THAT'S A COMMON FEATURE USER WANT IN A FUTURE COMMON ROOM THAT'S WHY I SELECTED STEEL FRAMING OVER TILT SLAB.