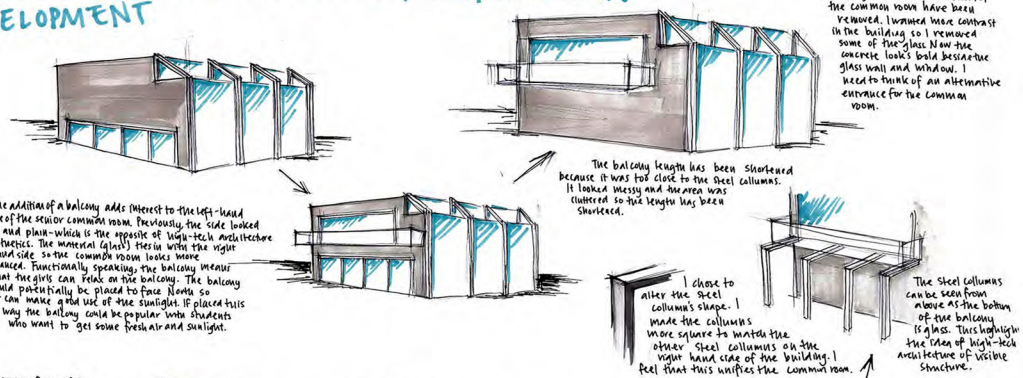
HOW TO MAKE BUILDING VISUALLY APPEALING?
DEVELOPMENT



The glass doors at the bottom of the common room have been removed. I wanted more contrast in the building so I removed some of the glass. Now the concrete looks bold besides the glass wall and window. I need to think of an alternative entrance for the common room.

The balcony length has been shortened because it was too close to the steel columns. It looked messy and the area was cluttered so the length has been shortened.

The addition of a balcony adds interest to the left-hand side of the senior common room. Previously, the side looked dull and plain - which is the opposite of high-tech architecture aesthetics. The material (glass) ties in with the right hand side so the common room looks more balanced. Functionally speaking, the balcony means that the girls can relax on the balcony. The balcony could potentially be placed to face North so it can make a good use of the sunlight. If placed this way the balcony could be popular with students who want to get some fresh air and sunlight.

I chose to alter the steel columns shape. I made the columns more square to match the other steel columns on the right hand side of the building. I feel that this unifies the common room.

The steel columns can be seen from above as the bottom of the balcony is glass. This highlights the idea of high-tech architecture of visible structure.

This close up of one of the steel columns shows the sharp corner and flat shape. This will be made of steel.

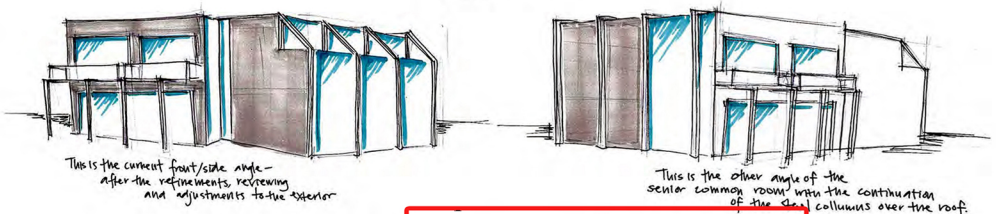
I have added four steel columns to the balcony. This emphasises the exterior structural features that are commonly seen on high-tech buildings. The four columns are purposely similar to the right hand side of the building - this makes the side look balanced. The shadow of the columns also could provide shade for girls who are up on the balcony. I may need to adjust or refine them because it could feel cage-like and not as open as I originally intended.

Side View of Balcony

I decided that the previous balcony design was to locked in. The columns above the balcony almost would eliminate the purpose of getting fresh air and sunlight out in the open. Having the steel columns underneath the balcony means that the space is not restricted. I may need to change the design in some way because it almost looks like it is part of a minimalist balcony.

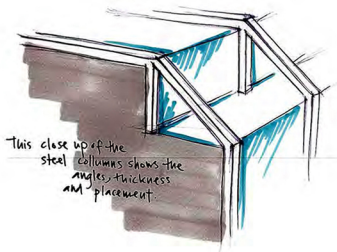
I decided to extend the steel columns so that they now run out from the building. I think this idea is more appropriate for my chosen architectural movement. This balcony design still keeps the structural look I intended for it to have, but it is open and true to my chosen movement. The slotting out columns add interest to an otherwise minimalist design.

DEVELOPMENT CONTINUED



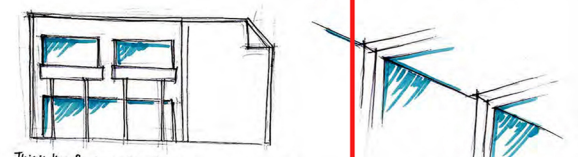
This is the current front/side angle - after the refinements, reviewing and adjustments to the exterior

This is the other angle of the senior common room with the continuation of the steel columns over the roof.



This close up of the steel columns shows the angles, thickness and placement

2



This is the front on view of the senior common room. I have made the steel columns run over the entire building so the structural detail flows better. The columns go over the roof and to the other side of the building - as the picture on the right top hand corner shows. I have made this feature very prominent because it makes my senior common room suited to my chosen architectural movement. I was inspired by the look of the Centre Pompidou, although I simplified the structural look and used the basic concept of it.

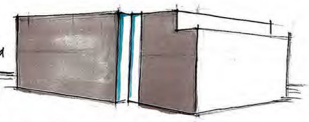
This close up of the steel columns on the left side of the building shows the simple right angle and fold over the glass.

1

HOW TO MAKE BUILDING VISUALLY APPEALING? (DEVELOPMENT)

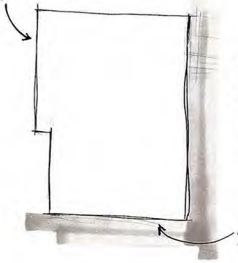
The design at the moment has a rectangular base. I want to extend the overall area because it is fairly small at the moment. The senior common room needs to be fairly large as many students use it - not just year 13s, but cultural groups too.

I have changed the shape of the senior common room to look like this. The shape is overall larger than before and is more interesting than a plain rectangle. The corner of this new shape has ground to ceiling, thin windows. This goes with the sleek vertical steel columns.



I've now added the details onto the new shape. The balcony is placed further away from the steel columns on the right - so that the concrete wall split the details apart. If they were closer I think that the building could look too busy.

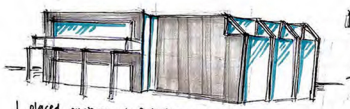
balcony side of building



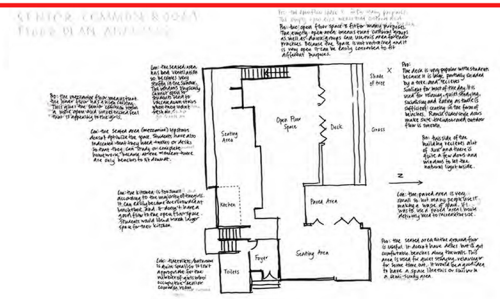
This is the base of the improved senior common room building. As well as being not too plain and big enough to house/fit students, the open space leaves room for placement of study areas, kitchen, bathroom etc.

glass (ground to ceiling) wall with steel detail

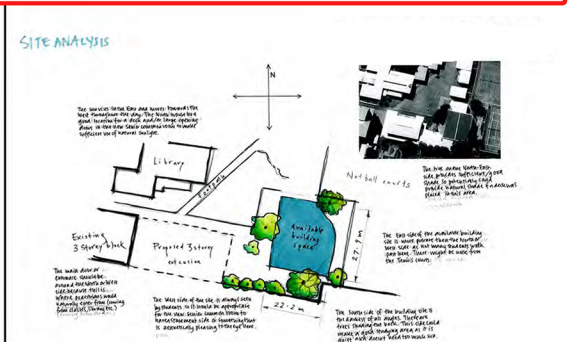
I placed another set of bi-fold/large doors onto the design. They will act as the main entrance, and look like they're reflected. I didn't put the entrance doors on the concrete wall because I want that to remain blank and non-descript.



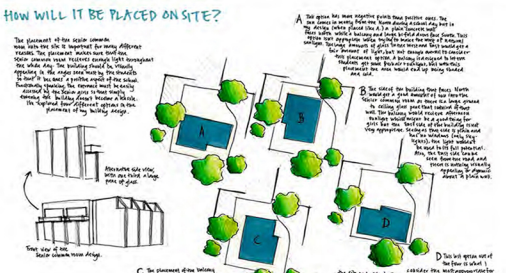
I have split the balcony into two. This was because the balcony would be too long and too minimalist. Practically speaking, the split means that inside the building there can now be two rooms within the block below the balcony. I've kept the steel column detail because I think it is true to my high-tech movement and I have obviously refined the design to a high standard which I am pleased with.



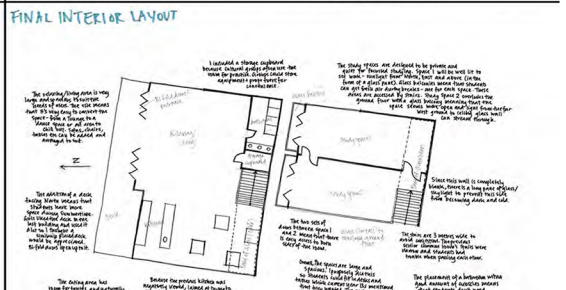
Existing SCR Scale 1:100



SITE ANALYSIS

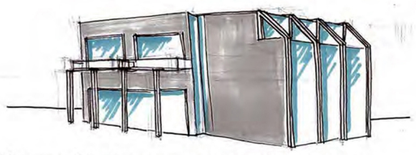


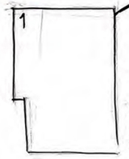
HOW WILL IT BE PLACED ON SITE?



FINAL INTERIOR LAYOUT

HOW WILL SPACES BE ARRANGED?





this floor plan shows the bottom floor which approximately measures 20m x 14m.

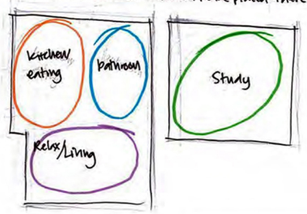
this is the mezzanine floor which will be accessed by a set of stairs. 12m x 14m.

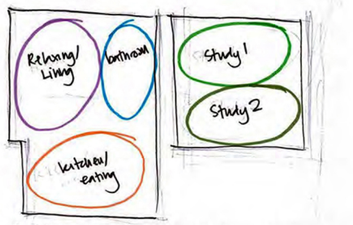
Top: the current kitchen which is said to become easily crowded
Right: the open floor area that opens North to a sunny wooden deck.

To fit the purpose of the Senior Common Room, my design needs to have certain areas and spaces. Girls spoke to mentioned that quiet studying areas are needed to prepare for exams, large open areas for relaxing/dance rehearsals would be useful as the current senior common room has an area like that which is often used. Practically speaking, girls would need a kitchen and bathroom. Students have said that the kitchen in the current building is used a lot but becomes crowded and hard to get around during lunchtimes. I will need to have a open plan and large kitchen space so students maximize use. Study areas should be large enough to house well spaced tables and possibly computers. I will also need to consider placement of areas and sunlight so my interior layout suit students needs as well as possible.

- I have used the mezzanine floor as a kitchen/eating area. This could work because then the food area is separate and students could head out to the balcony to eat lunch.
- the living area would get the afternoon sun but in the morning might prove to be dark
- I have made the study area fairly huge to accomodate girls who need to school work, it's placed near the computer room. I may need to rework this because the computer room is quite small as there is limited space.
- the bathroom doesn't need lots of light so placed it in the corner where there won't be much light - plus it can't be seen from the outside (it's not by glass windows).

- I moved the kitchen/eating area as I realised that it was natural for this space to be near the living space. This also means that the study area is on its own floor. This is very suitable because it is more private, quiet and separate which will increase focus.
- I took away the computer room as there was no strong need for it. Currently girls are getting along fine without computers, and this site is near the library.
- The bathroom has been expanded because a lot of girls vacate this building so an appropriate number of cubicles will need to be placed there.

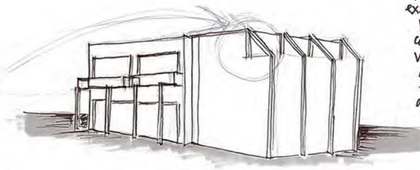


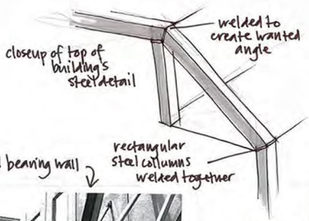


- I've split the study floor into two areas; this means that the 1st space will be more closed off and private as a wall will separate it from study space 2. The 2nd area will overlook the ground floor so might be noisier, making it a less serious study space. I thought it would be good for students to have a choice.
- I swapped the kitchen/eating area with the open relaxing area. The bi-folding doors will let in a lot of sun so the relaxing space can be warm and extend outdoors - similar to the current building.
- the bathroom is beside the relaxing area and not so close to the kitchen which would previously be a bad combination due to smells, hygiene etc.

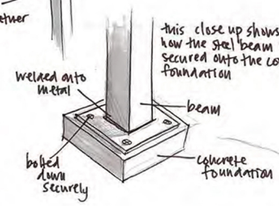
HOW WILL STRUCTURE SUPPORT BUILDING?

The structure of a building is very significant when it comes to high-tech architecture. Often the buildings have extreme or exaggerated structural detail - much like the Centre Pompidou. I have decided to use steel framing. This is so the structure can be shown in its raw state, going with my steel detail. Wooden framing isn't industrial looking and wouldn't be able to blend in well with my building. Also, in my research for my architectural movement I found that steel and glass are commonly used because they resemble modern technology. Since a lot of my building is glass, the steel will compliment this choice of material.



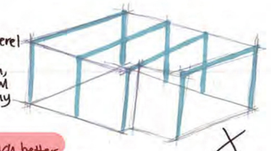


example of a load bearing wall



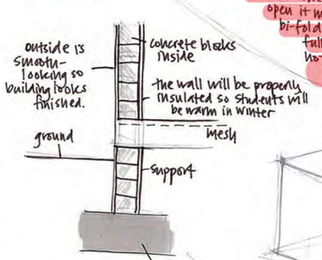
this close up shows how the steel beam is secured onto the concrete foundation

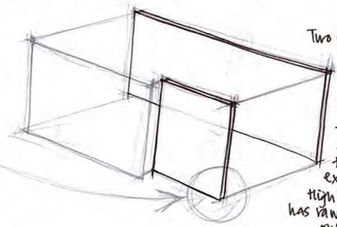
These blue lines show where I could potentially place my metal columns of the frames. Although, this would hold up my common room the beams would interfere with my large glass bi-folding doors.



This option is much better suited to my building's design. The metal columns will go over the building and as well as holding it up will be shown on the exterior. Because the front side is open it means my bi-folding doors can fully open with no interruption and easy flow.

I will be incorporating the steel framing like these images into my building's structure





Two of my building's walls will be load bearing concrete walls. It is appropriate because there are no windows on these facesso installation will be easy. The concrete will also go with the steel aesthetically because the concrete will be exposed from the outside. High-tech architecture usually has raw, exposed materials on the outside.