

left FUNCTION: J. very uide and spaceous versatile for dusabled people. PROS easy to nangate. . fits many people. . Space left for people to board travis while to general standing on · Not enough overhead shelter (shield fromson brain) . No bathroom. layout=7 left 18m · placing of power lines not specified ... ? · bathrown needs to be included (children) -- ? · more overhead shelfer ... ?

FORM:

pros -> . The building has a curved frame that reflects aspeets of Zana Hadids Shyle and work.

- alternate between short and tall.
- stains and for disapled people to have to endure.

Cons ->

· building seems to be too symmetrical, although, it is reflecting aspects of Zaha arch the idea of randomness shill needs to be implemented in design.

pros -> · South facing Side of building is not hidden and covered by glass walls as the wind usually accumulates from the south west. wind · Heights of curved · seating / beaches located building arches inside each inside each for people who want to be trains · Spacing allows

Passible Approach 2

TUNCTION :

for people to be able to board trains on south and north Side of Emehin. Building does not block access to trains. · completely shielded from rainfall CONS->

-people do not need numbrellas. NO bathroom / Hoilet . e.g. children who need it.etc.

site analysis

.. no outdoor seating.

TACALL

ofe.

wind direction.

South westerly

"power lines overhead the station not specified of place in design.

Materials 3

- white concrete for rover

NORTH

FACILLE

spans 40 m autors 90 m

station.

- un protection glass for glass walls. metal poles. For support (Frames.
- white cement/chadding for seats?



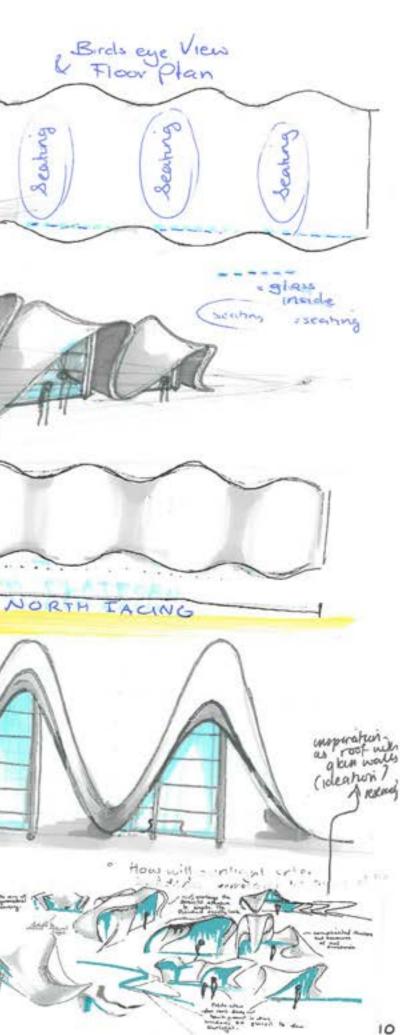
seahng idea

Burhas

8 m

HOm.

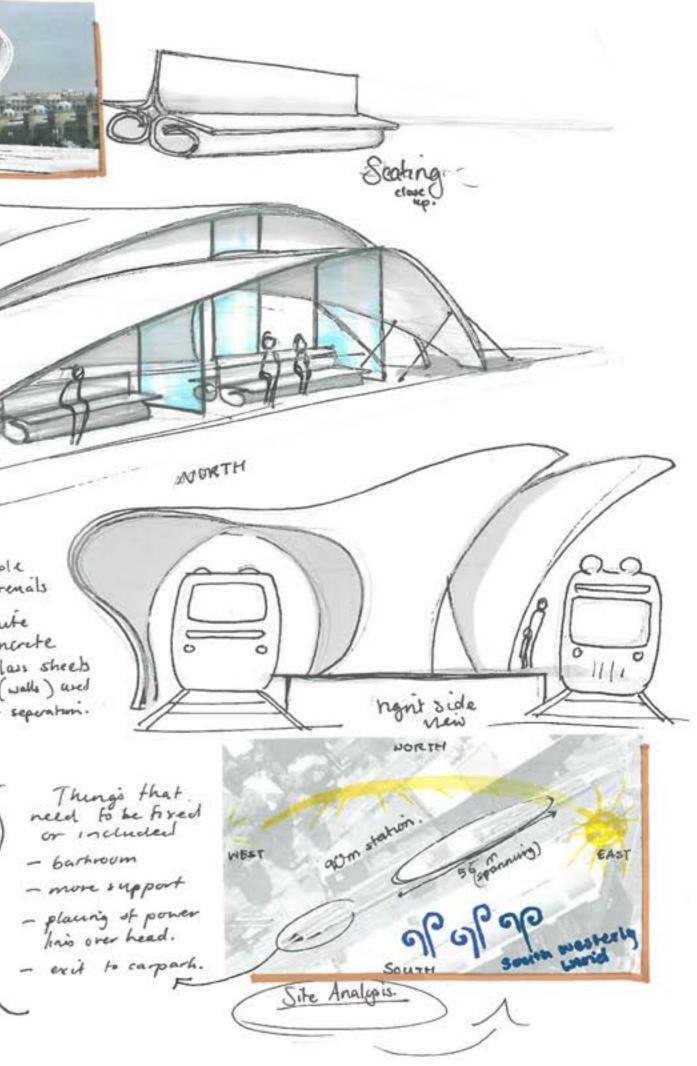
Seatur



Possible Approach

1gnl





FORM

PROS:

- · Reflects Zaha Hadids style.
- · spacevies feel and look
- · white concrete to convey flow (flexibility)
- · glass walls add diversity in material

space is very open to make people feel as though they are shill in the outdoors.

CONS:

· Seats could be improved to match natural flow ob overarching frame. o extra/different materials and be included ø

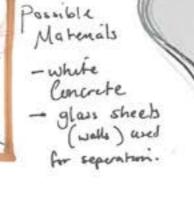
FUNCTION:

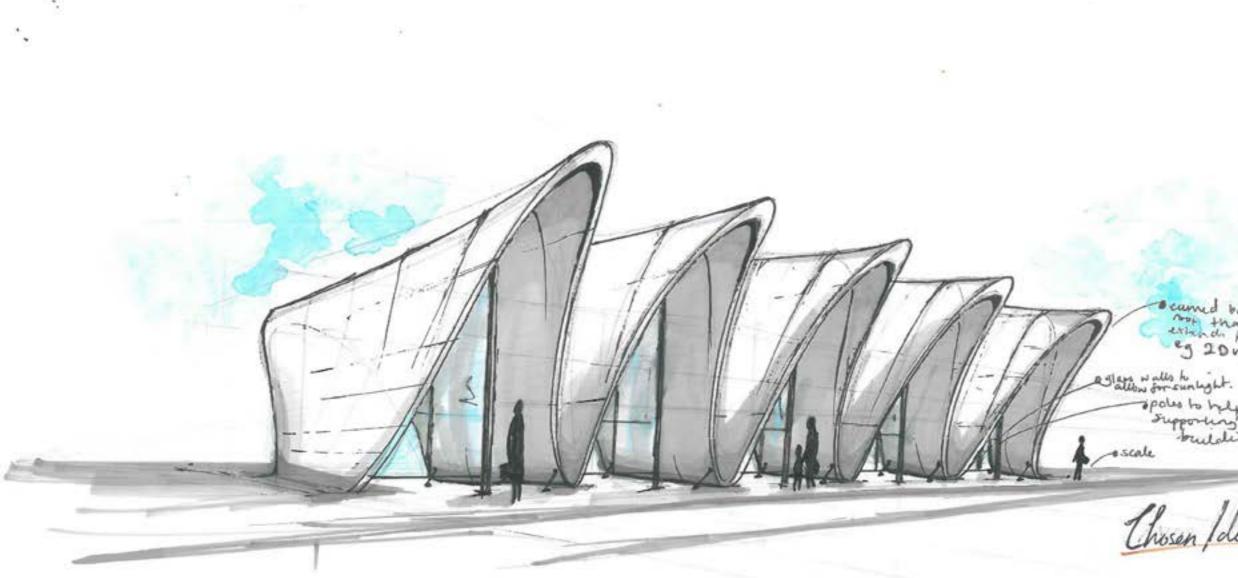
PROS:

- · No floors (stories) · shelter protects from chreat damaging Sunlight and runfall
- " space in front of parts where shelter meets ground So people can board trains from anywhere on the platform.
- a easy to use and move around in
- a people can easily sight trains.
- " Layout simple

CONS:

· comen of shelter are too close to the ground so people cannot stand uneder them. This is a waste of space

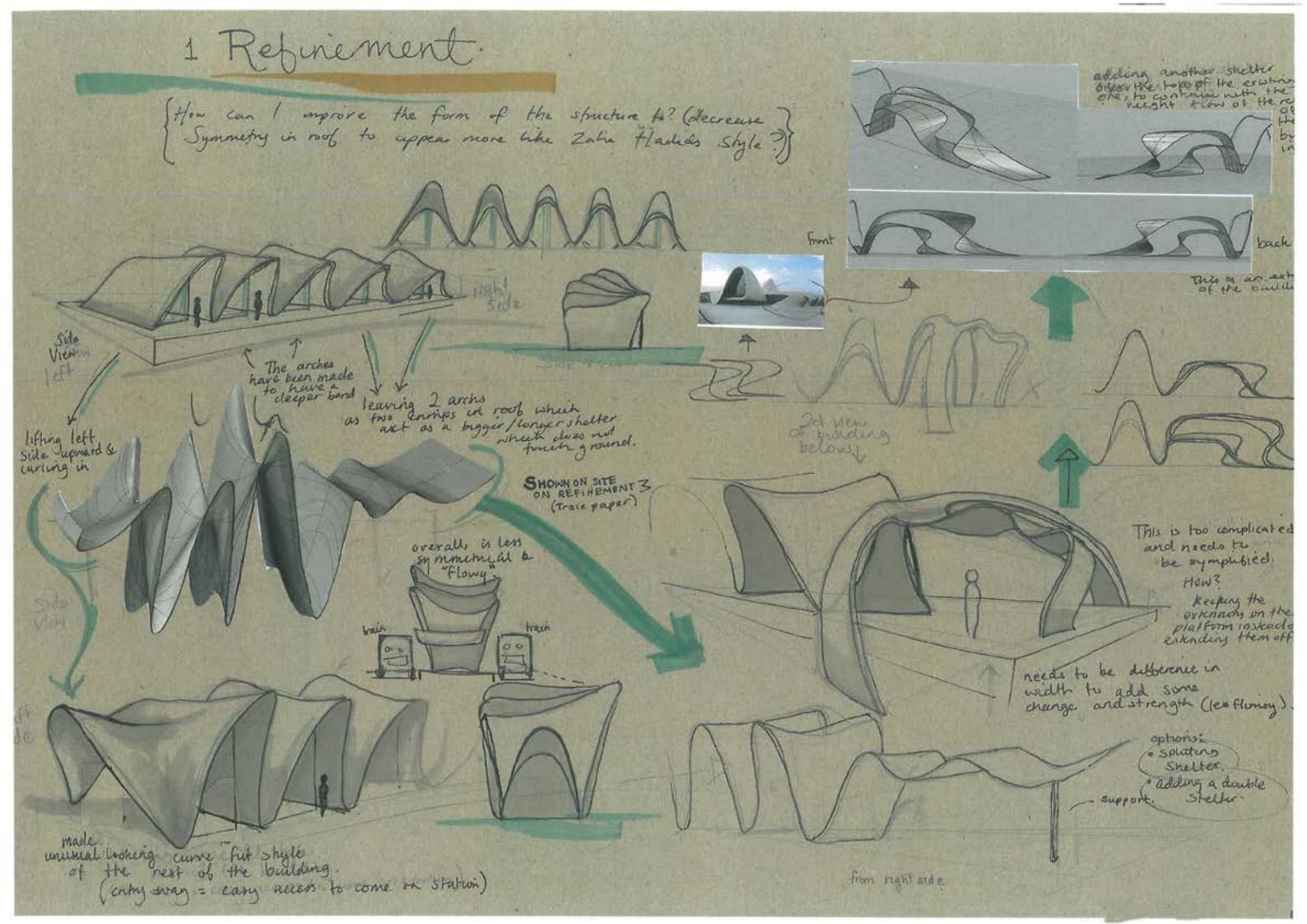




My denin Intent is to create a train station that is practical and useful for people. Aswell as this I want the station to fit the sight well and be meaningful to what it has to offer. Overall, it must be user friendly (i.e. people should be able to enter, exit, more assund and find tichet machinis casely / on top of this they must be comfortable which means seats must be provided and toilets should be considered. It is also important to utilise all natural aspects that the sight already provides (i.e., natural light, sun exposure, space, winil exposure) this also includes minimising the regative components the right provides such as which are inistable such as rainfall and extreme amounts of sun light. The train platform diself is very small and rarsow and ano the architect Zaha Hackids skyle consists mostly of grand durigns. This means the I will also be creating the illusion of a

STRENGTHIS & (- The station is tall and large which initiates the grand dirigh idea. why I chose - The station has glass walls which could allow for some light. this idea): - It holds and shows to be reflected of Zaha Madials style. - It fits the station well, and space has been allowed for people to board trains. E the poles help to hold building up. NEEDS FURTHER DEVE- Sealing needs to be considered to ensure comfort of people LOPGMENT/ADD - the movement around the station seems to be hendred hundred by walls that touch the ground. WEAKNESSES & {- potenhally more windows / cutouts for the natural light. - decreasing symmetricality of building. -selecting materials and defining structure. - fits sight physically in the best way (scale to people aswell). (measurements)

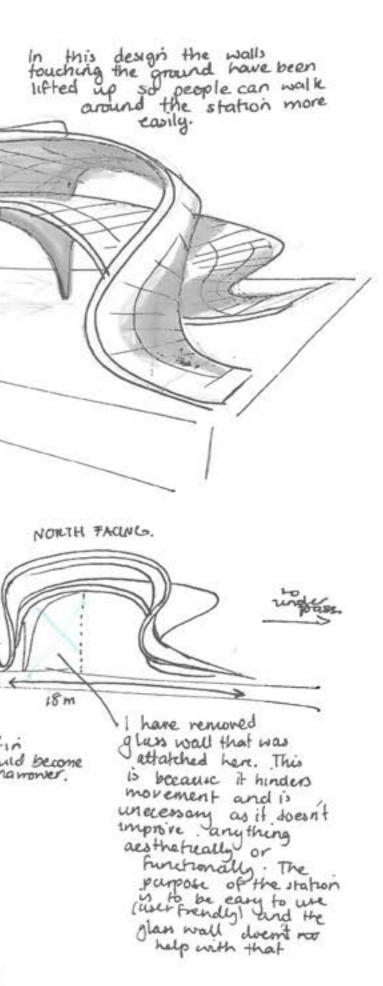
camed building not that estimate purt eg 20 new spales to help with chosen approach building. has been changed a little to fit demensions and station better. Chosen Idea / Approach.



3. Répirement

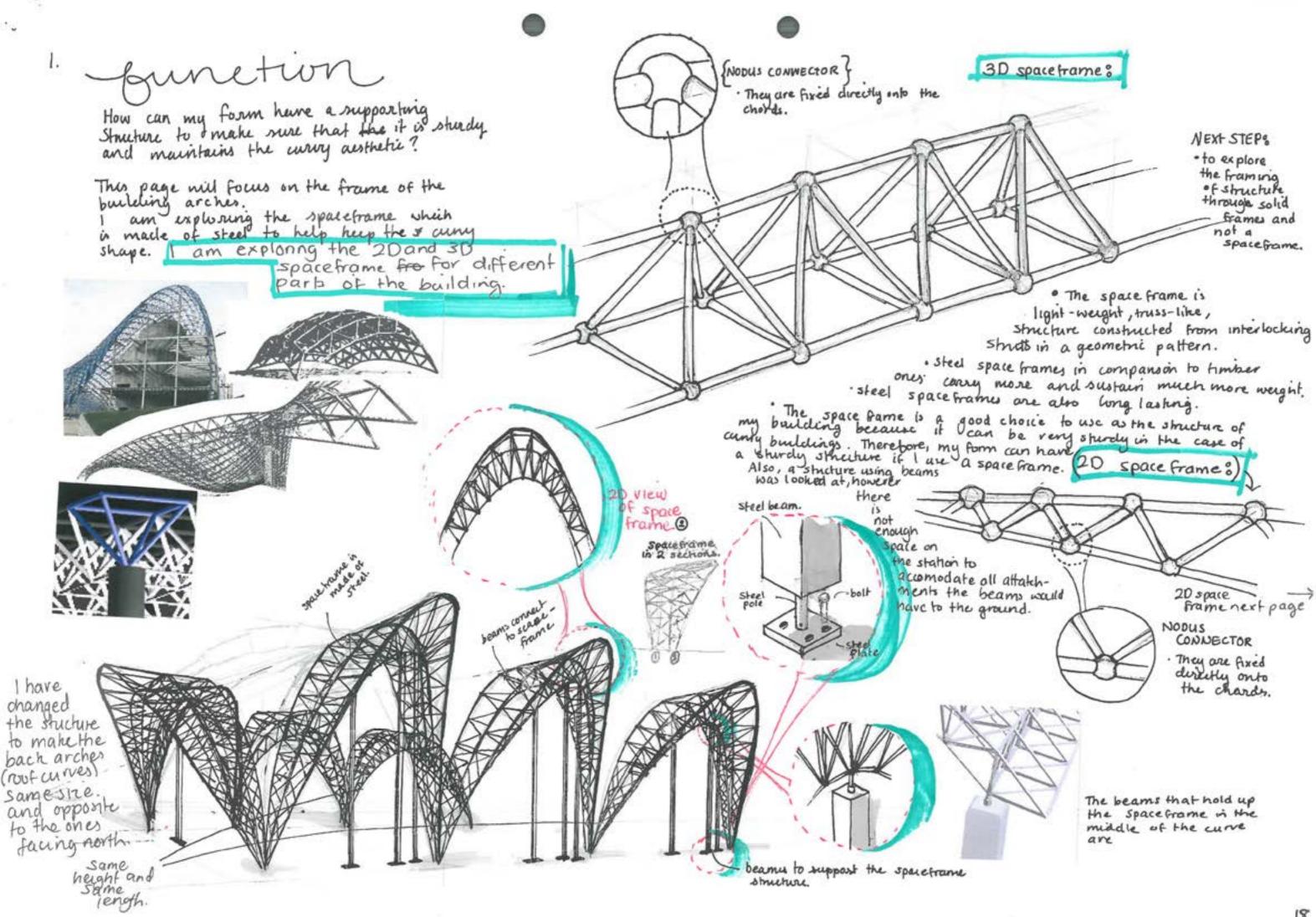
How can I ensure that the people who use the station are comburtable with moving around if and staying on it.

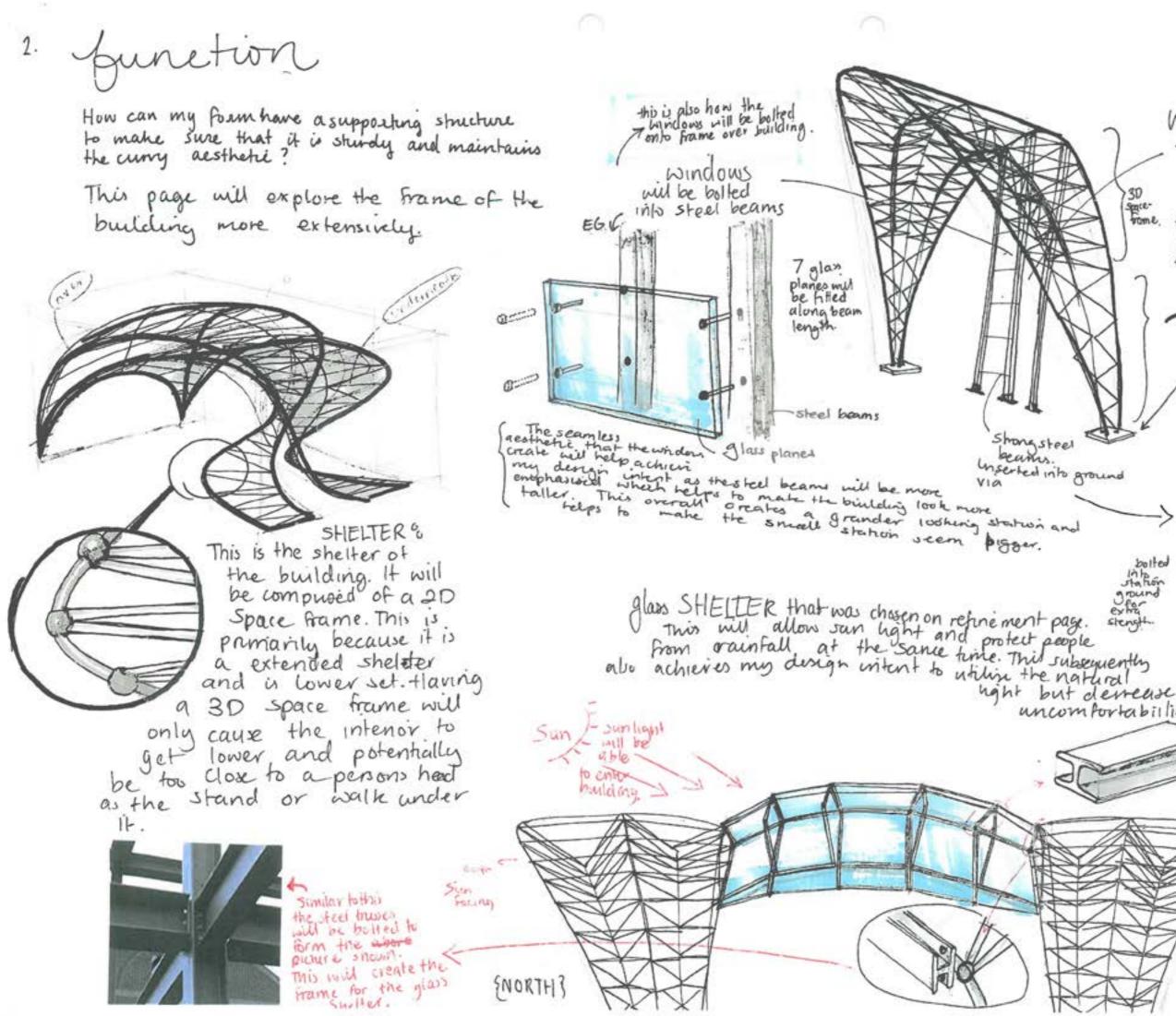
what to Explore? -> Seating > decreasing Limitations created by walls of structure -> Lighting during night time underpo -> Bathrooms (potentially) P Page 1 Bubble diagrams 3 ---- wall NORTH NORTH Isan \geq SUN realistic Both options of layout have substantial amount of seating, simple way to fit sealing which ensures people are able to sil and be comfortable when waiting for trains. > aesthetically pleasing as the parts that still touch the ground are curred nowards to match outward style of building. flowenes, I think the better option is the 2nd bubble Joahng diagram as the seating is planned to be a long conjouried seat when will resemble traditional train station seating. This would decrease complexity as the sent would be a longbench mistead of an array of timy benches that would not fit many people. . There will be no bathroom i nave declares. because the station is too small, and if they were put in the 10m namous station would become namouer. i have decided. This is Before, l'explore seating, hantsued I need to explore how the windows frame/wall to deercase the limitations Lown · Lighting during night time not Jo people on movement around the be supplied by the street lighting can get station due to the walls through Infe (as shown in diagram) Therefore, less and nearby. poard Road mains walls -> more easier easily . Road entrance. movement around Station -> more entrance pracheal and user -> Tichet machine Friendly. > information to help people sind train into and more



4. Refinement 3 This seat comprises of only /completely CHOSEN How can I ensure that the people who use the station are comfortable with moving around it and staying moulded white concrete. there is BENCH / a pust in the middle that on it? adds interest and a unique trait. which also looks more aestherically SEATING pleaning. However, could be Exploring: The second bench biggir to fit more people. As of the moment this design is not practical in a sense that no more than 2. will be my sinal . ->sealing scating as the it is > deercasing tenitations created by walls of structure. Fully made of wood where people sit is more comfortable. Also people can Fit on it ralishcally -> Bathrooms /toilets (potentially). the wood will add PEDS: Each person acts own seat which is good, all fire seperation to make 4 individual seats helps to a different matinal 3 in my final orcate a private area building which for each person. is mostly CONS: The backseat madeof is quile towso. white If will out into matural. the backs of people. SMaterial? While moulded Bolted to while conside undurneath Maturil -> white convete. TITI The bench is supported like the second bench. It is supported by while concrete that curves and is moulded to be the The seat comprises of slabs of wood connected repheally instead of honzonfally this means this bench is very shong/shirdy. However, the bench could be bigger and longer to fit the station in one huge Shape as drawn. The mixture of 2 materials in one with a washere it creates change and add the wood adds warmth to the harsh each side concrete. The wood would also be more compactable to sit on. connected curved/moulded wood is also eech slab while concrete to hold and withstand seat and of wood is maded how confortable bolted heachother. people (weight). 1 16

lm 5. Réfinement Sun coming from this direction. 10000 of the root 9m has been replaced with has or left bare with no (1) matinals. How Can I make the station fit the Sight more pracheally? prossi helps achueri the open, Spaccous feel a train Station must have. 7m 15 m (eg Sunlight, wind exposure, meaning . Allows natural flow of overall spans light while still reflecting 44 m accros Zaha Hadrido Shule. 90 mstahin in a more proverilas way. . The building so far is facing North which is toward the sun. Even though this is the case, the roof CONS: · Does not fully cover building. of the prenois design frain's coming in mo does not comply with my intent to while the sun to create natural light The premois designs roof was a complete cover and proved to be impractical and unuseful when the roof could have a cut out or window for light to train souring pen through. These are some suggestions on ideas for the cut-out on the Roof. 2 dose up of over laying In this disción the whole back of the building has been taken away and in place of it in extension from the front of the building has been used to create the overarching nof. The new cover has cutomb that could be filled F with glass. Pros: · unique and spacious CHOSEN IDEA : Cons: · complicated and not very zaha Madið: · notvery rahiski aesthehodely. · holes will not prevent rachfall. I have chosen the first 2 poles idea because it is more simple and practical. It is also more realistic and grand Support. in terms of shuture. also reflects zaha fladiels, in a more organised way. F





WINDOWS: - I was going to use metal musses for each seperate this would weate shong times and as the to where Spacethe windows seams are. For a more securites and on Took I will be bolting the windows who the steel beam. Tome. 20 space frame concrete slabs in mound This will help support the space trave steel beam 4100 to hold uo. boltes station ground (as shown on prenous page) this is a realistic puture of how steel Support beams mil be supported into ground and. uncomfortability. support for ained spaceman Steel truss. -Zuuth This view is looking From a one pt. perspectu (not drawn that way) of {Southing how the glass roof will fit on.





MORNINGSIDE TRAIN STATION

Y





Train Station

Achievement	Achievement with Merit	Achievement with Excellence	Overall
Use visual communication techniques to generate design ideas.	Use visual communication techniques skilfully to generate design ideas.	Use visual communication techniques effectively to generate design ideas.	level of attainment for 91337
• Visual communication techniques are used to generate ideas to show design qualities.	• Visual communication techniques are used skilfully to generate ideas to show design qualities with clarity through well-articulated visual means.	• Visual communication techniques are used effectively to generate ideas to show design qualities with clarity and refined detailing.	Ε
 Design ideas are produced that explore simple alternatives. 	Divergent design ideas are produced that explore challenging, creative or unusual alternatives.	Divergent design ideas are produced that are explored and extended.	

AS 91337 (2.30): Use visual communication techniques to generate design ideas (3 credits).

Commentary:

Vis Com – E Des Ideas – E

An Excellence exemplar where the strength of the Visual Communication is exemplified through freehand sketching and rendering.

Initial generation of ideas comes from exploration of shapes and forms seen in existing structures. This exploration continues through the conceptual stages of the design work and is then extended and refined as the work evolves through addition of forms and merging of ideas.

When the design work moves into project situation the initial shapes and forms are given architectural context through the use of figures, scale, rendering and a series of 2D and 3D sketched to effectively explain the ideas. The use of elevations and details support the 3D design work and this results in visual communication that attains the highest grade.