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Level 2 Design and Visual Communication 2024

91338 Produce working drawings to communicate technical details of a design

EXEMPLAR - PRODUCT DESIGN

Achievement

TOTAL 03

EVIDENCE



Most modern phones do not have an applicary remot lack. near mounts process on the final an assuming output puts.

Dees are already solutions, but they are either the use of Blantsorts, on adaptor, or older device with an exa port.

There are issues with these solutions browners. Many sound systems don't have

There are issues with these solutions browness. Many sound systems don't have flaunton't connectiving, and an act could in required to connect, therewere most recodes modifie devices don't have an our port, therefore an edupter is required and on this case there are a point of constat where an issue can arise. When there is an issue with connectivity in adjaces, it is highly surrating for a listness, expecially when dising something as well as listning to music, such as disting a furnising. Odder devices are often not able to non-moint enodern beforeare. There are furnished of thousands of sun on here Zuefand such that do not have Substation't connectivity, and many proprie would bewrite from being able to connect their phose to a blaveout).

Solution

- Biostroth cound interface can be connected to by any device that has biasetod through the device's settings.

- The bors will fase a 2.5 form assillary sound output port that can be corrected to a sendrate I.5 free assillary jack that copies standard with many enhaltes or can easily be installed.

- However, things opendiptions in cars, and soundystems have been using the 3.5 ms auxiliary leads since the 1950s, so they are very common and will be white be competitive with a biastooch sound interface of that design.

- A blastooth open distinction will also allow wom in part to take IEGAL hands free gloone calls while disting.

Aim to design a blumboth sound interface for one by devices that do not have an aux port. The product will output sound to speakers that do require an aux lead, such as car stereos, "I'd soundsystems and any other larger.

Signal Chains









Specs - Nurskey Output Plug Soveen
- Bluetooth Connectivity - Aux In
- USB Charge to Device - USB Plug horn 12Y sock
Handwine to Speakers - 2KIV Power Adoptor

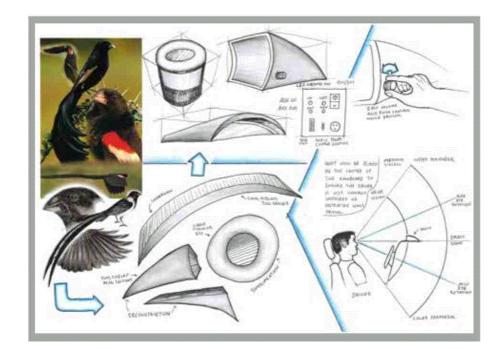
Case Studies

Yash has a 2007 BMW 5351, and the only was

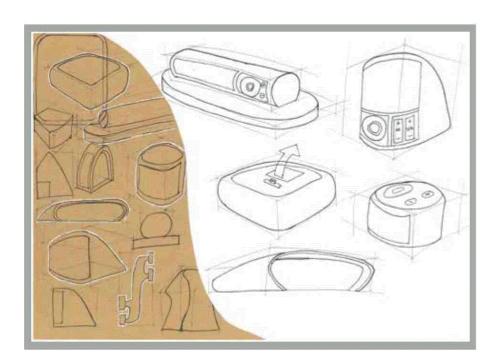


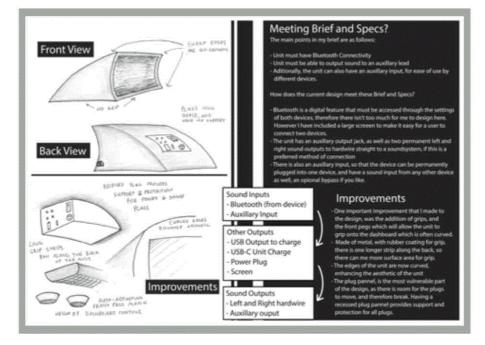
TV Soundsystem, Wired Speakers



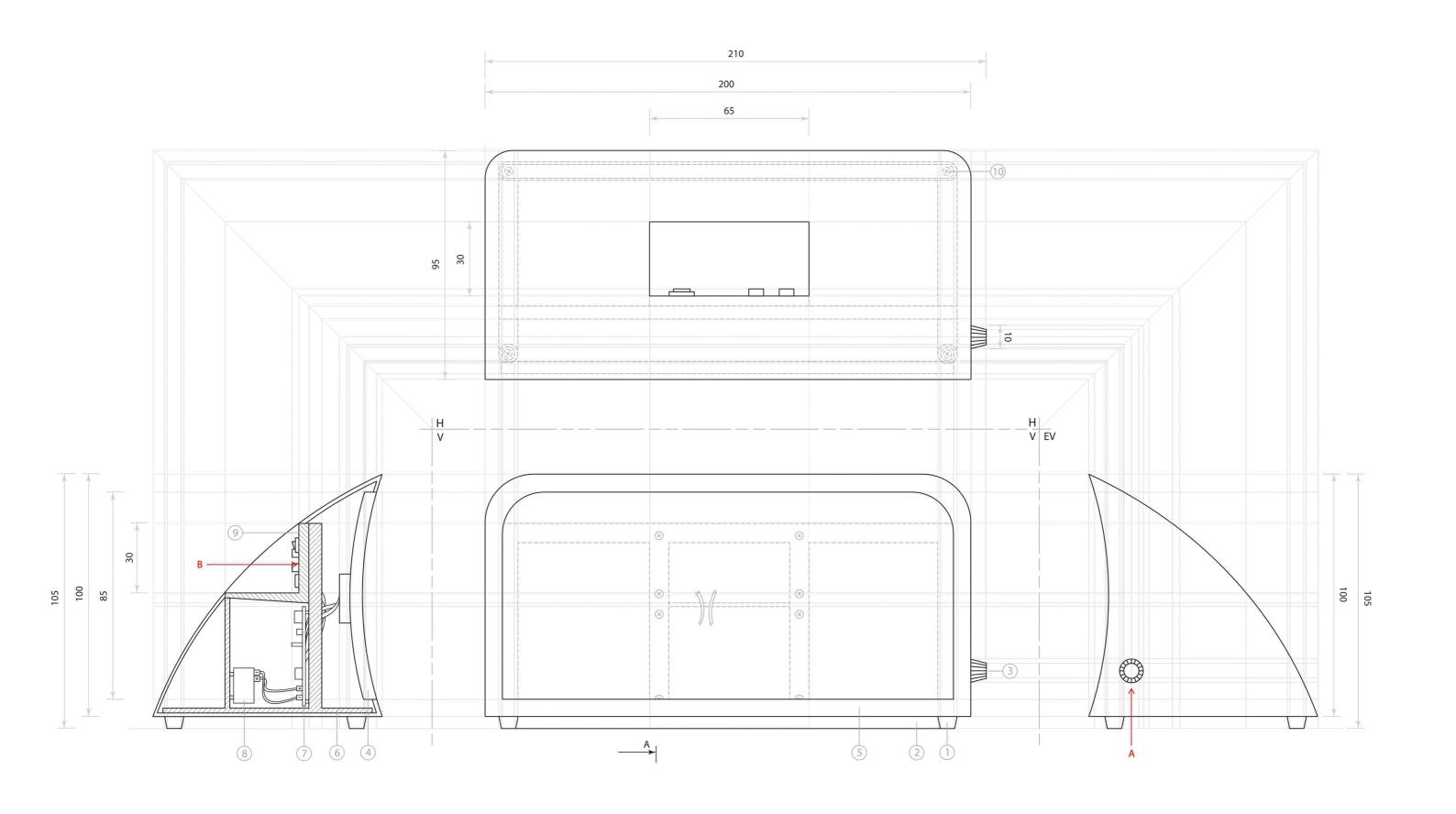


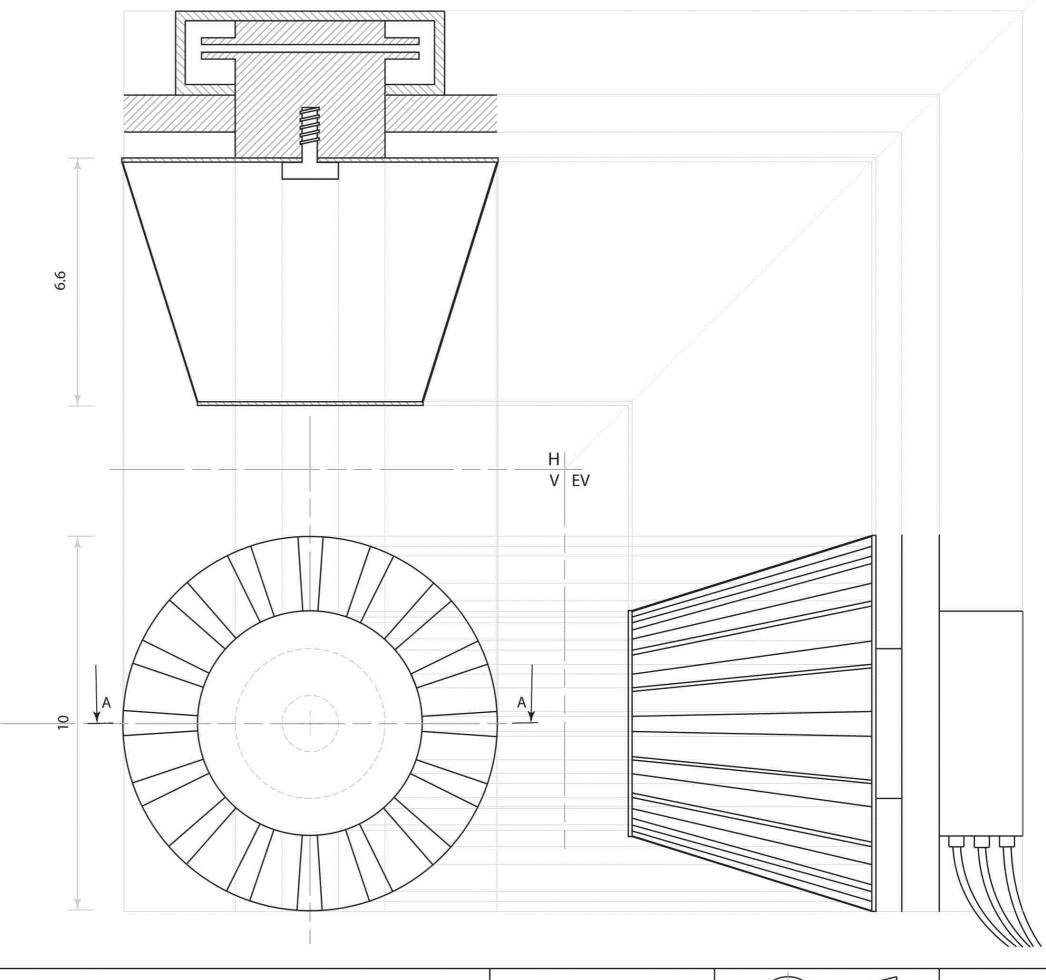




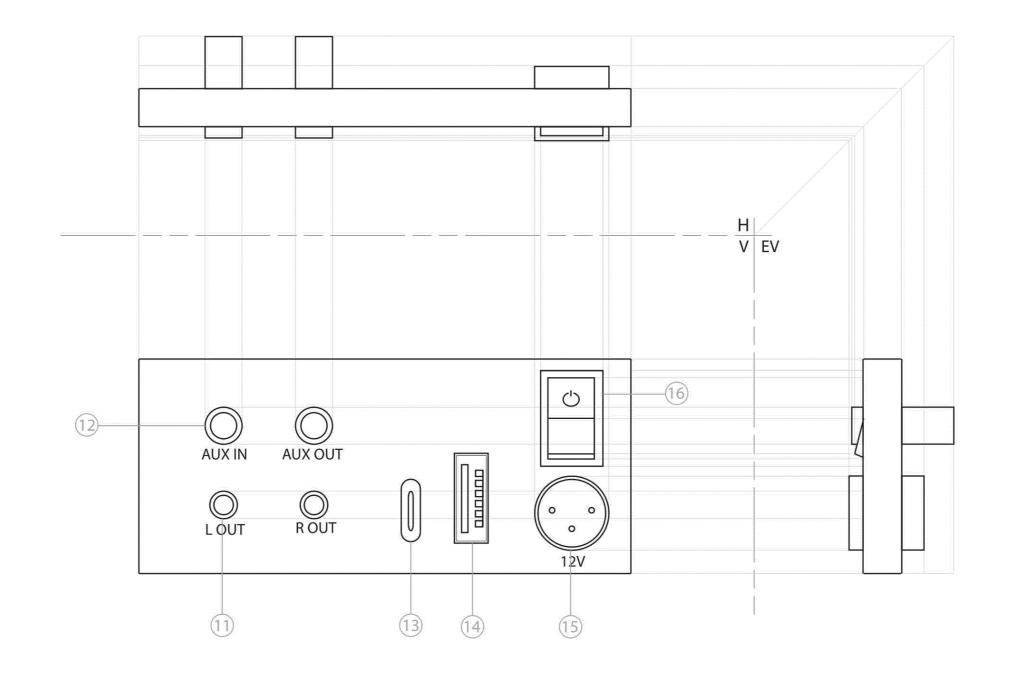








16	ON/OFF SWITCH	1	PLASTIC AND STEEL		
15	12V UNIT ADAPTER PLUG	1	INSULATED STEEL		
14	USB OUTPUT PLUG	1	INSULATED STEEL		
13	USB TYPE-C CHARGER	1	INSULATED STEEL		
12	3.5mm AUX IN/OUT	2	INSULATED STEEL		
11	RCA OUTPUT	2	INSULATED STEEL		
10	SCREW	14	STEEL		
9	PLUG BOARD	1	MULTIPLE COMPONENTS		
8	BATTERY UNIT	1	MULTIPLE COMPONENTS		
7	CIRCUIT BOARD	1	MULTIPLE COMPONENTS		
6	UNIT FRAMING	1	ALIMUNUM		
5	UNIT CASING	1	PLASTIC MOULD		
4	LCD SCREEN	1	MULTIPLE COMPONENTS		
3	VOLUME KNOB	1	STEEL		
2	BACK GRIP STRIP	1	RUBBER COATED STEEL		
1	FRONT GRIP PEG	2	RUBBER COATED STEEL		
TEM	NAME	QTY	MATERIAL		



Achievement – product design

Subject: Design and Visual Communication

Standard: 91338

Total score: 03

Grade score	Marker commentary
А3	The evidence for this Standard is most identifiable in the page containing the orthographic projection of the plan, elevations, and cross section. The shape and form of the object can be taken from these views; however, the small size of the section view and lack of sectioning conventions being applied correctly stops it from receiving a higher grade. The additional pages that include the volume knob and plug-board contribute little to the communication.

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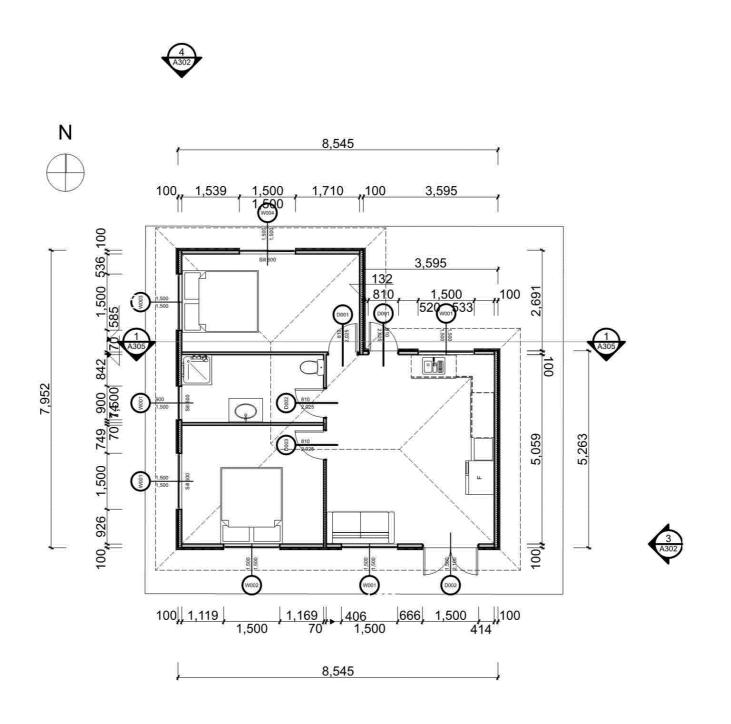
Level 2 Design and Visual Communication 2024

91338 Produce working drawings to communicate technical details of a design

EXEMPLAR - SPATIAL DESIGN

Achievement

TOTAL 03

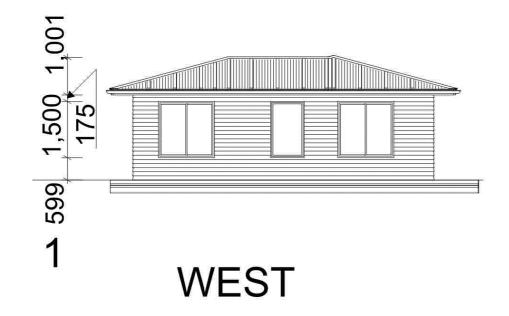


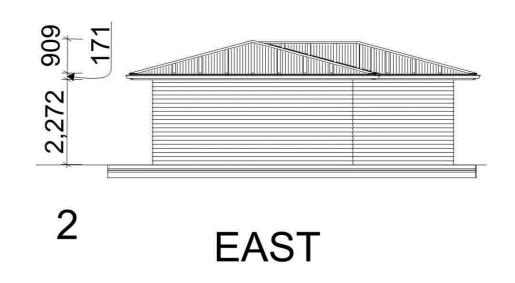
EMERGENCY HOUSING 16/09/2024

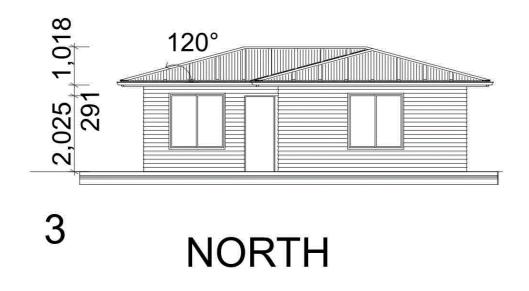
SCALE 1: 100

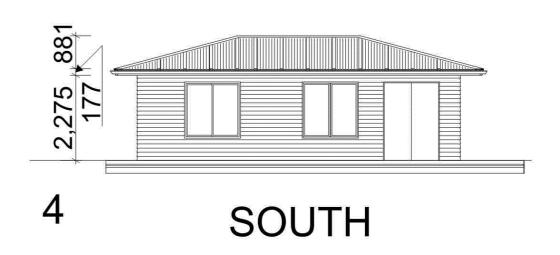
ROOF CHAIN FLOOR PLAN

DRAWING1 OF 7







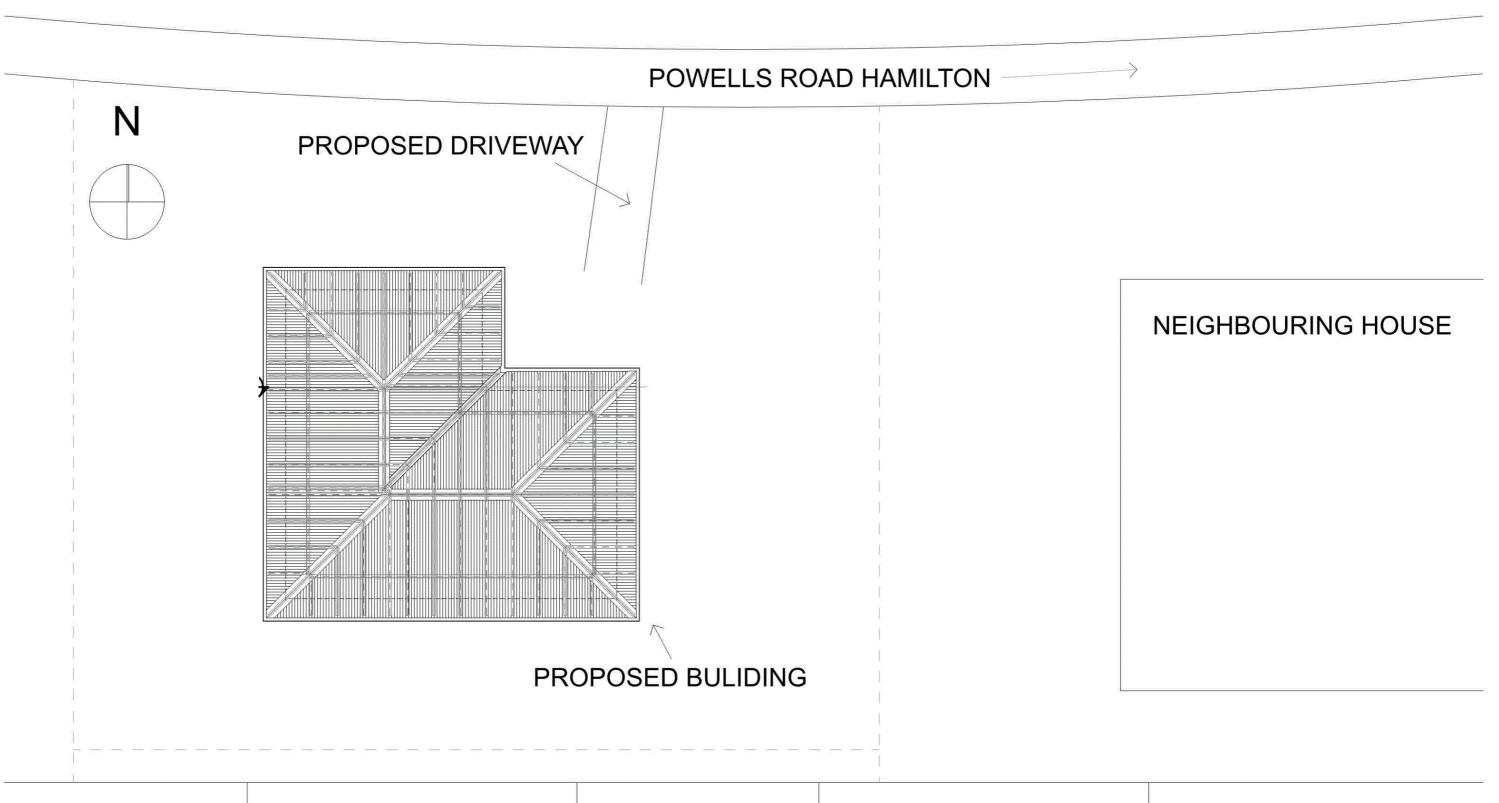


EMERGENCY
HOUSING

16/09/2024

SCALE 1: 100 ELEVATIONS

DRAWING 2 OF 7



EMERGENCY HOUSING 16/09/2024

SCALE 1: 100 SITE PLAN DRAWING 3 OF 7



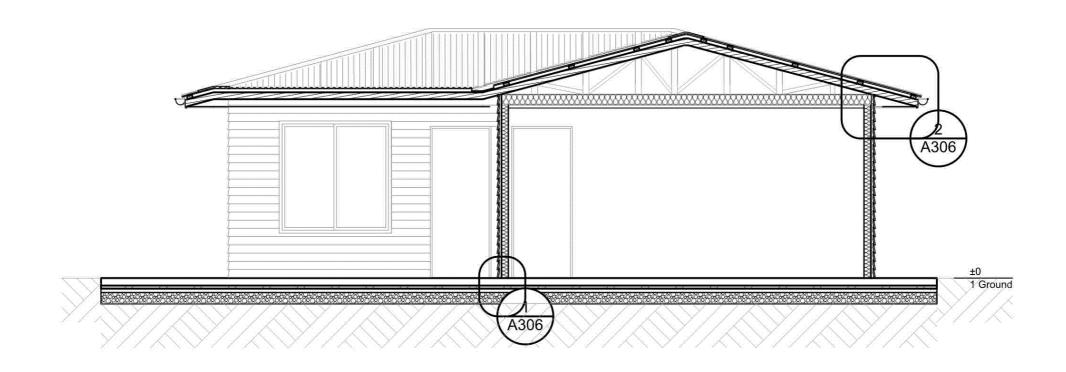




EMERGENCY HOUSING 16/09/2024

3D PHOTOS

DRAWING 4 OF 7

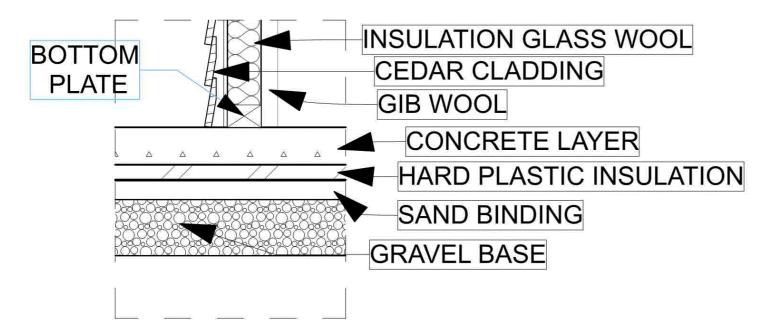


1 Section A 1:50

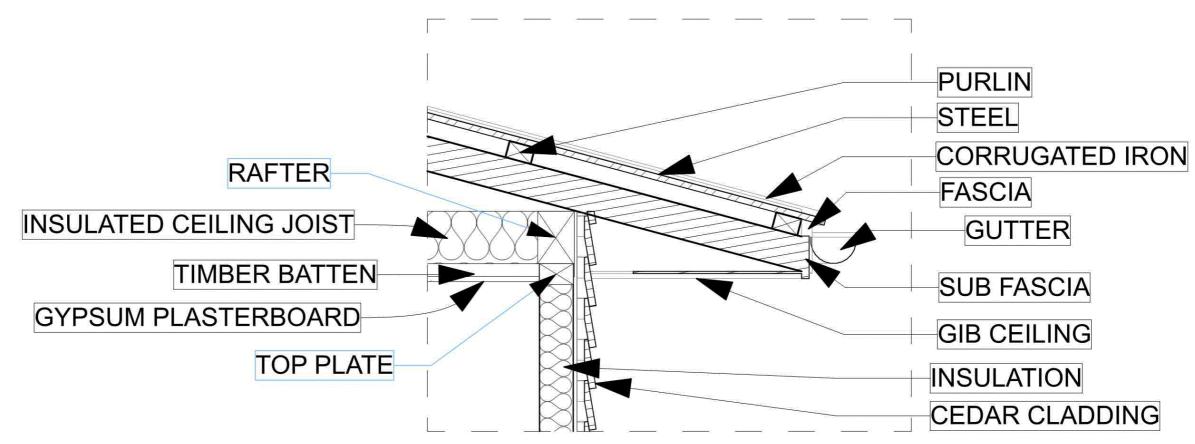
EMERGENCY HOUSING 16/09/2024

SCALE 1: 50 SECTION VIEW DRAWING ⁵ OF 7

SECTION 1



SECTION 2



EMERGENCY HOUSING

DETAIL DRAWINGS

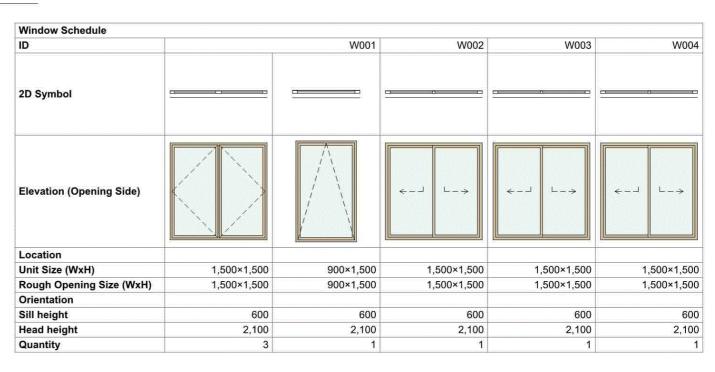
16/09/2024 SCALE 1: 10

OF 7

DRAWING 6

Door Schedule					
ID	D001	D001	D002	D002	D003
2D Symbol					
Elevation (Opening Side)					
Location		1			
Unit Size (WxH)	810×2,025	810×2,025	1,500×2,100	810×2,025	810×2,025
Rough Opening Size (WxH)	810×2,025	810×2,025	1,500×2,100	810×2,025	810×2,025
Leaf Size (WxH)	760×2,000	760×2,000	1,450×2,075	760×2,000	760×2,000
Orientation	L	R	L	L	L
Sill Height	0	0	0	0	0
Head Height	2,025	2,025	2,100	2,025	2,025
Quantity	1	1	1	1	1

Door Schedule 1:1



Window Schedule 1:1

EMERGENCY HOUSING 16/09/2024

DOOR AND WINDOW SECHDULE

DRAWING ⁷ OF 7

Achievement – spatial design

Subject: Design and Visual Communication

Standard: 91338

Total score: 03

Grade score	Marker commentary		
	This set of drawings is at an Achievement grade. The site plan clearly shows the building positioned on the site with a north point orientating the building. The plan view is drawn well, using the correct conventions and communicates the technical details in the form of room fittings, door swings, and windows. It also shows the north point orientated correctly.		
	The elevations are drawn correctly, showing windows and doors and exterior materials. The labelling of the elevations is correctly linked to the floor plan view. However, the proportion of the dimensioning on the elevations is too big and is not showing the application of dimensioning conventions.		
А3	The candidate has some understanding of how to use CAD and though the pages are linked through the title and page numbers, the sequence of pages is a little jumbled. It is important to reference and link all of the drawings to one another to enable them to be read as a coherent set of working drawings.		
	To allow this set of drawings to achieve at a higher level, there is a need to communicate the technical details more clearly and effectively. The cross section drawn to a larger scale would have allowed it to communicate the visual information more effectively. Also, the linking between the section and the details are not accurate or clearly indicated for the features to avoid ambiguity.		