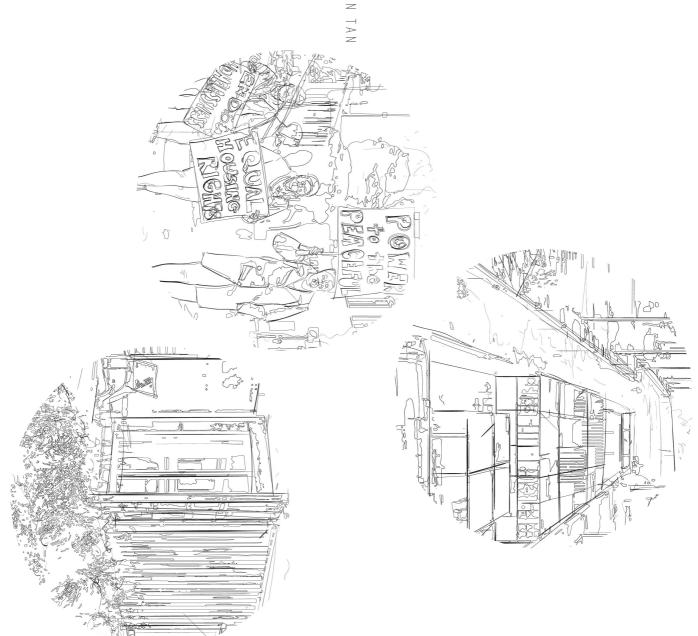
# **END ROUGH SLEEPING**

RM1 GROUP PROJECT

ELISE COLLEY, (CRYSTAL) YUET WAH POON, JOLYNN TAN



### 2.1 Introduction

THE BRIEF

This was a very controversial decision leaving the local community angry as this decision creates/dismisses the following issues:

### 2.2 What is Prefiguration?

potential of spatial practices. It subordinates form development to a critical understanding of the socio-In architecture, prefiguration entails revisiting the economic conditions that underpin the production of

### 2.3 The Site

2.4 Wider Context

Great Ancoats Street

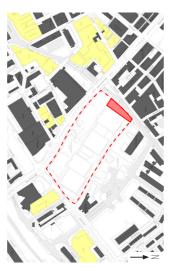


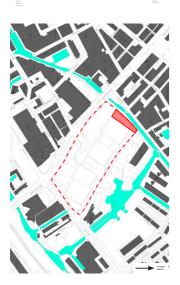




### Proximity to the Canal











Site Plan

UTILISING THE CANAL

### 3.1 A History of Land Use

### 1900s Nolli Map



1960s Nolli Map (scale 1:10,000)



2020 Nolli Map (scale 1:10,000)

= Canal



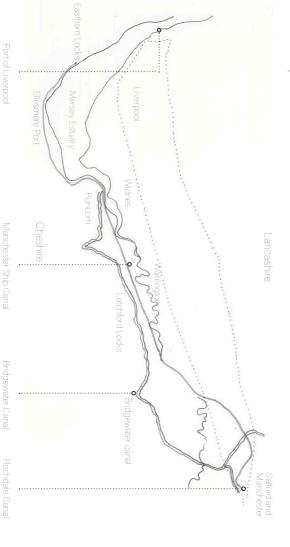
3.2 The Manchester Ship Canal





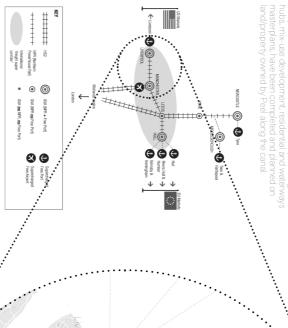
Manchester Shuttle (container service)

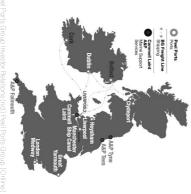
## The Manchester Ship Canal Route



UTILISING THE CANAL

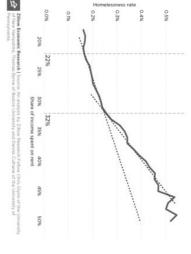
### 3.6 The Peel Group Vision





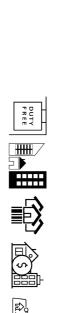
# Homelessness climbs faster when rent affordability reaches 22% and 32% thresholds

An uptick in rent affordability beyond 22 percent translates into more people experiencing homelessness. Beyond 32 percent means a faster-rising rate of homelessness — which could mean a homelessness crisis, unless there are mitgating factors within a community.



-0

With the developers interest in the construction of hyper expensive ent of £5 per ft.), housing development has been commodified as form of investment, but not the homes. This has led to an increase

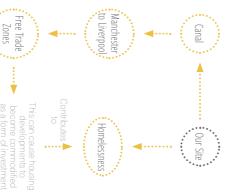


MediaCityUK

Seen as 'Tri-modal' site for development

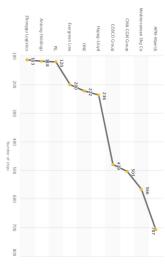
# 4.1 Disrupting Accumulation Through Dispossession

THE SHIPPING CONTAINER





### 4.2 Global Use



industry. loday, approximately 90 percent of containers shipped around the world are either forty or twenty foot standard length. As per the graph above, APM Maersk has the capacity to transport

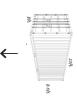
2% of 17 000 000 = 340 000 donated for temporary structures

62.71% of the total amount of containers globally are left stagnant

75% Manufactured goods shipped globally with Container

4.3 Life Cycle





75%





# 90% Manufactured goods containerised in 1980s

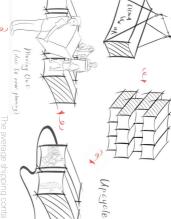




Asymmetric Maritime Network



# (2/3 LIFE SPAN rema



Scrappage > Scrap Scrap Scrap Scrap Scrappage > Scrap will walk will managed and conserved in The average shipping container spends more than half of its 15-year lifespan sitting empty and unused since its too

Scrap It

78% Recycled and reused as new steel product or storage units



# Of containers are produced in China and distributed around the world



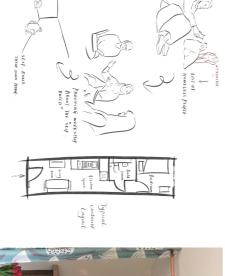
DESIGN DEVELOPMENT

### 6.2 Help Bristol's Homeless

Paul was interviewed during the project. He had been homeless for approximately 17 years before he met the charity. He was offered (by the social enterprise) a chance to self-build his own house out of shipping containers.







## 6.3 REACH Homes in Sheffield

Solar (F)

anels

(0)



green option (2)

fast fast





The home is made up of two shipping containers instead of one container per home. We can take this as a reference. For example, having a 3 bed scheme with 3 shipping containers, the 3 occupants share one kitchenette and one toliet. The sharing of resources would lower the cost.



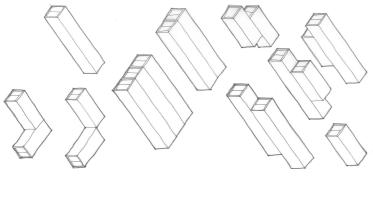


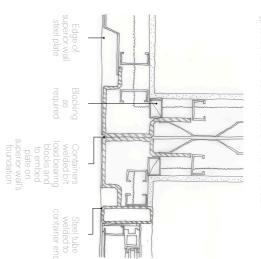


### 6.0

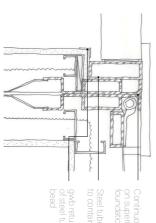
# 6.4 Modularity and Construction

DESIGN DEVELOPMENT

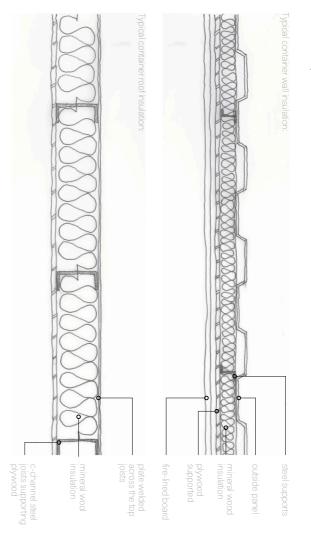


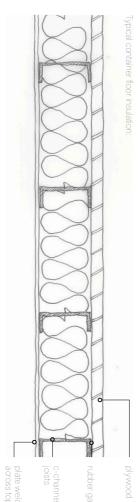


Typical Container Connection Plan Detail:



### 6.5 Functionality

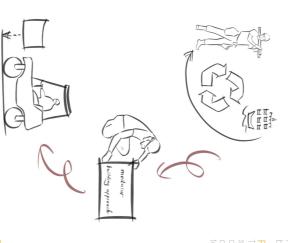






DESIGN DEVELOPMENT

## 6.6 How is it Self-sustaining?



- virgin material.

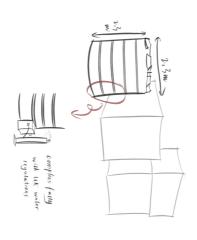
  2. The modular building approach makes production, material and energy use more efficient.

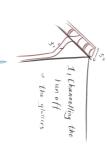
  3. Minimal site prep is needed which in turn minimises carbon emissions.

### 6.7 Water

# Potable static water storage tanks

stand(s), ideal for chinking water of for site services. The static tanks come with a digital level monitor so you can keep track of how full or empty that tank is. This allows you to pre-empt when you need to book in your next water delivery to refill the tank.

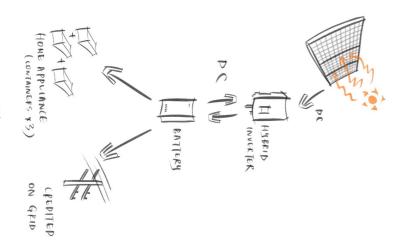




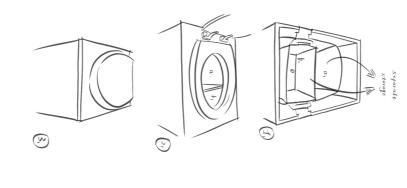


### 6.8 Electricity



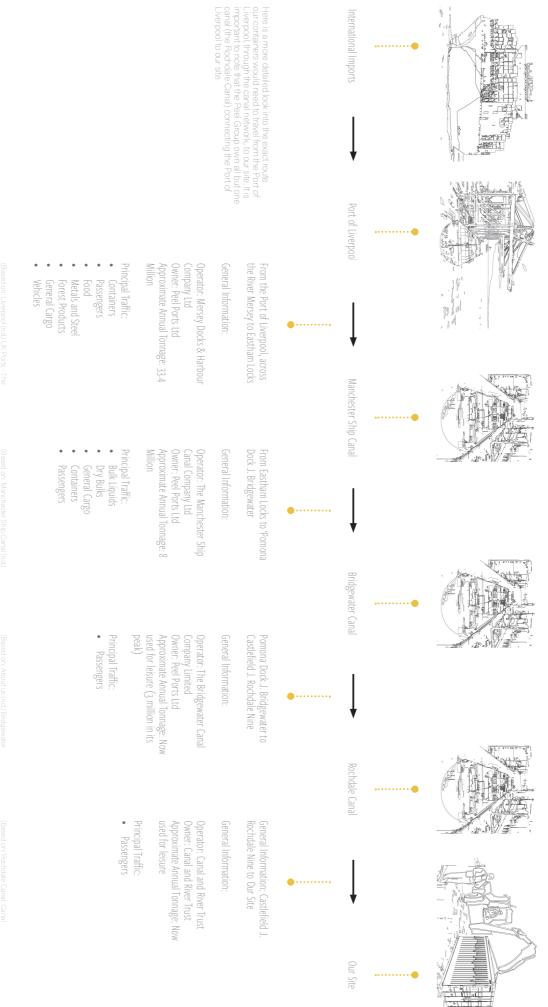


### 6.9 Sanitation



# DESIGN DEVELOPMENT

## 6.10 Container Transport Journey



## THE PROPOSAL

7.1 Typologies

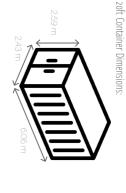
Typology 1

Typology 2

Typology 3

communal area

access to balcony











\$ \$ \$

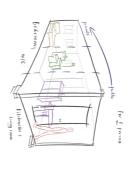
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A A A A

To portray the idea of modularity and flexibility to relocate the containers as temporary structures, we came up with 3 typologies that can be rearrange around different sites to create a communal environment for the emergency homes.

Lypology 1 aims to provide a studio unit for a single occupant.

Typology 2 is made out of 2 container units and consists of communal facilities on the ground floor and a shared space for a double occupant unit above.

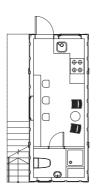


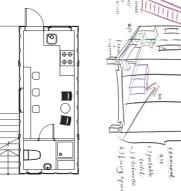
sharing the private private

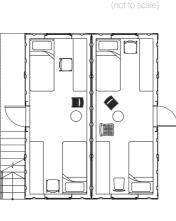
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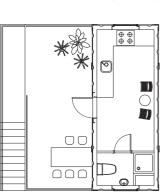
Space Space

12 private hedrooms









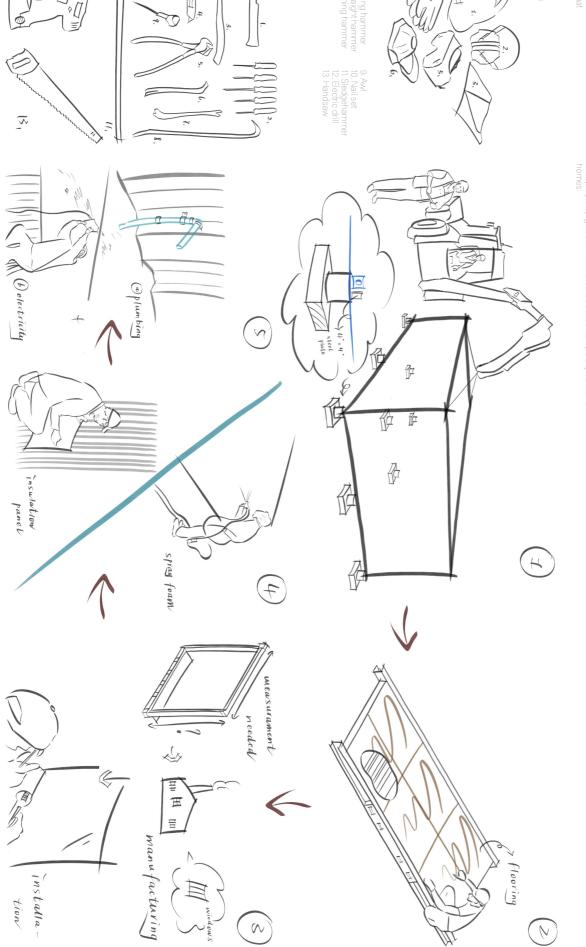
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## THE PROPOSAL

7.4 Equipment Manual

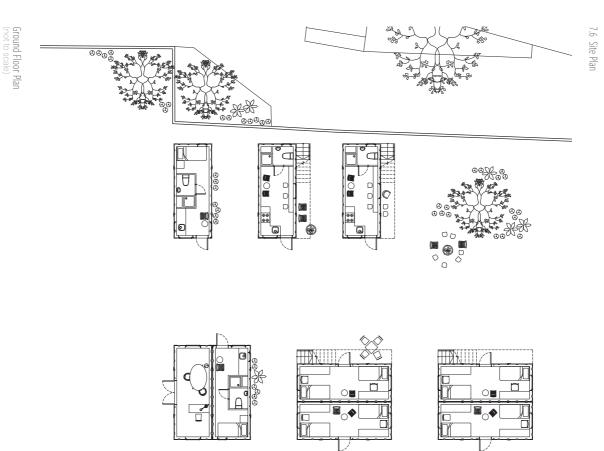


### 7.5 Construction Manual



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First Floor Plan (not to scale)

