

Initial Design Ideas

Lower Clarendon Walk, Clarendon Walk, Upper Clarendon Walk, Lower Camelford Walk, Upper Camelford Walk, Camelford Court, Lower Talbot Walk, Upper Talbot Walk

Date: Thursday 18th March Time: 5:00pm - 6:30pm



With us tonight...





James
Caspell
Neighbourhood
Director



Andros Loizou

Head of
Refurbishment
Design & Delivery



Bunmi Shekoni Refurbishmet Design & Delivery Project Manager



Alfie Peacock
Refurbishment design
& delivery Project
Officer



Janet Hall Heat Network Engagement Manager

With us tonight...



Sunand Prasad
Project Principal and
Design Champion



Anna-Lisa Pollock Project Lead



Emily Pang Project Architect



Simon Dove Technical Lead



Harriet Francis
Architect /
Passivhaus
Designer



David Bostelmann
Fire Consultant



Francis Lee Fire Consultant



Mark Allen
Principal Designer

Introduction
Existing Homes
Possible Improvements
Next Steps
Questions





Penoyre

Why are we meeting?

- Develop the approach to co-design with you in more detail
- Share our understanding of your priorities from the Top 10
 Priorities developed by residents
- Discuss what opportunities are available as part of the refurbishment
- Capture your ideas, concerns and questions

A shared vision

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- Delivering a 21st century model for social housing making the existing buildings more energy-efficient, greener and safer
- Homes that are carbon neutral by 2030

 Homes and spaces that are co-designed with residents, sensitively and collaboratively

Additional Funding!

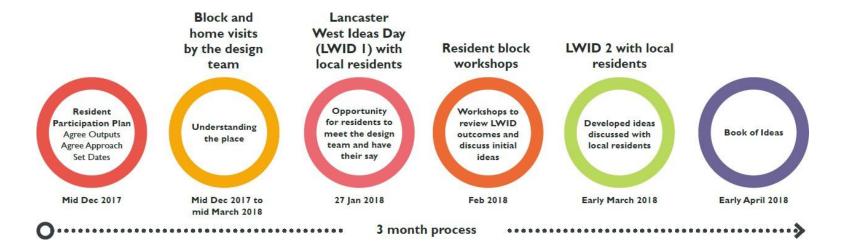
Introduction
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Stop Press: funding news
Additional

This Session

- What we have learnt so far about Clarendon Walk,
 Camelford Walk, Talbot Walk and Camelford Court
- Checking if we have missed anything
- Initial design ideas to the creating the homes and neighbourhood that the residents want
- Getting your first thoughts on these solutions
- Agreeing the next steps

The story so far...



Engagement Programme





Introduction **Existing Homes** Possible Improvements Next Steps Questions

Concerns and ideas: In detail

Heating, ventilation and energy bills

nne numeig was built in the airy i yovar and is constructed as a combination of concrete frame with civily brick walls and solid brick walls on the ends of blocks. The white horizont is tripper on the building are concrete structure appeal on the washer. This is bringing cold and moissure into homes, the suchoical name for which is cold bringing cold and moissure into homes, the suchoical name for which is cold bringing cold and moissure and homes and modified and is made worse by poor ventilation. This is a typical issue of buildings. onstructed in this period and can be overcome through insul: which can be seen on the next page.



Draughts and noise pollution





Water pressure

Water pressure is an issue that has been highlighted by many residents, particularly the shower pressure. Some residents have



over the heating of their flats. This is particularly important for the elderly or those with young children. Residents would like some







Your Priorities....

Introduction **Existing Homes** Possible Improvements Next Steps Questions

Clarendon Walk

Refurbishment programme

Residents' top 10 priorities are:

- Windows
- Kitchens
- Internal décor
- Bathrooms
- 6 Heating renewal
- Door entry system
- Flat entrance
- Flooring
- O Drainage
- **10** Communal entrance

Co-design update

Building on the ideas Days of 2018, we have engaged over a six month period with residents from every block to establish their priorities, based on the budget secured and latest estimated costs.

We will use these priorities - together with surveys and feasibility studies undertaken throughout 2020- to shape block-specific refurbishment programmes, and deliver a 21st century model estate.



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Talbot Walk

Refurbishment programme

Residents' top 10 priorities are:

- Kitchens
- Windows
- Lifts
- Bathrooms Open control of the control of th
- 6 Boiler renewal
- Interior décor
- O Additional brick skin
- Communal entrance
- Make garden accessible

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Camelford Walk Refurbishment

Residents' top 10 priorities are:

programme

- Windows
- Kitchens
- Bathrooms ODoor entry system
- Internal décor
- 6 Boiler renewal
- Communal entrance
- O Lifts
- Ocommunal electrics
- Flooring

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Refurbishment programme

69%

Resident

participation

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Residents' top 10 priorities are:

Camelford Court

- Windows
- Bathrooms
- Soundproofing
- Kitchens
- O Drainage
- Water pressure
- Internal décor
- Resurface courtyard. slope and stairs
- Front doors and bins
- Communal lights and electrics

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61% Resident participation









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86%

participation

Your Priorities....

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Windows

Kitchens & Bathrooms

Internal Decor

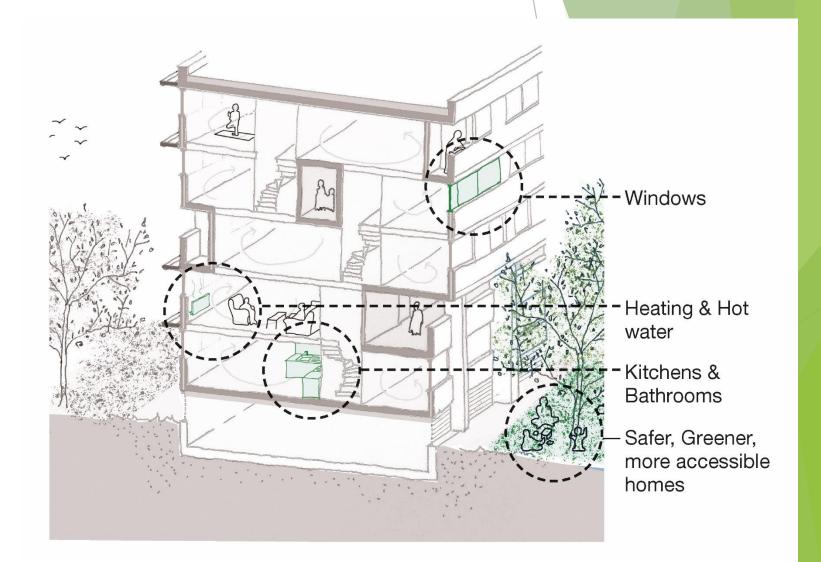
Heating & Hot Water Replacement

Door Entry Systems

Refuse Storage

Lifts

Drainage & Water Pressure

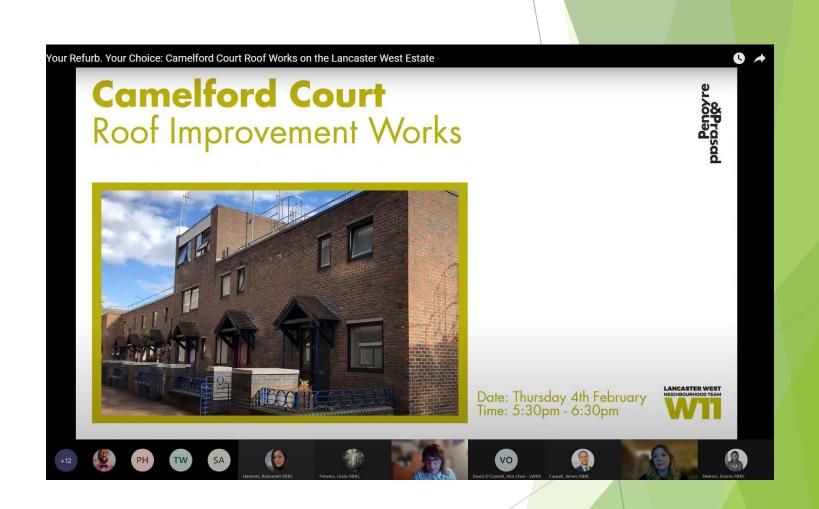


Safer, Greener, Smarter, More Accessible Homes

Camelford Court Roofs Co-Design

Resident feedback, including on:

- Improving Safety and Security
- Green roofs
- Solar Panels
- Current homes overheating



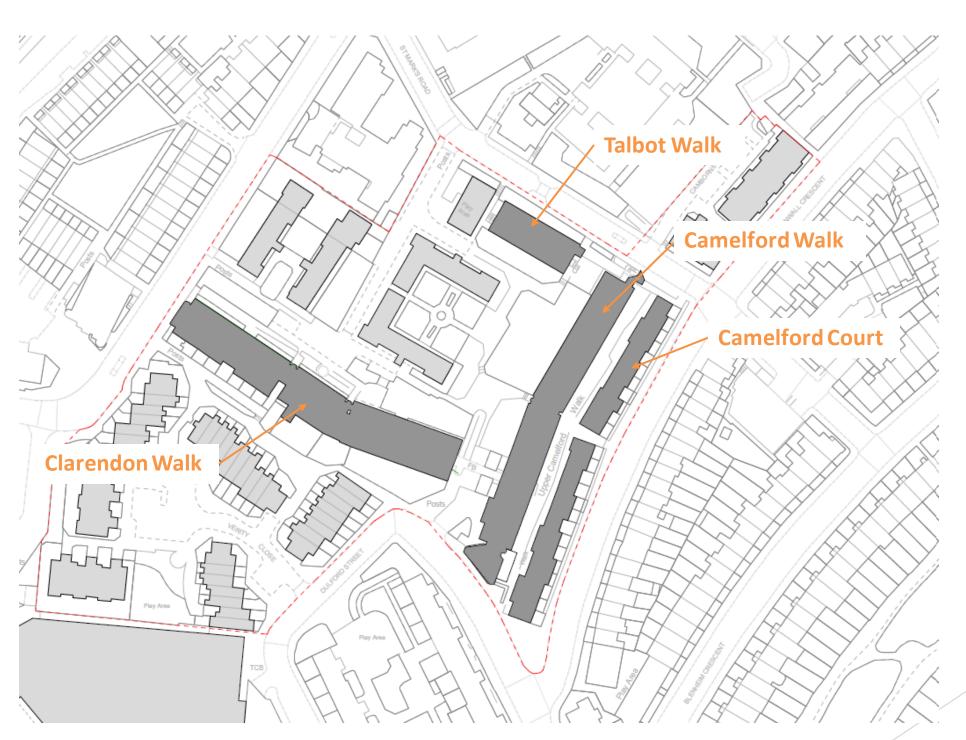
Co-Design with you

- We want to find the best ways to communicate the different options for your blocks, including benefits and level of disruption involved
- We want to make sure we are reaching as many people as possible and using the best means of communication at convenient times

• This webinar is just the **first step** in the Co-Design process, and we welcome ideas!



Location Plan



Understanding the issues: Repairs in the last six months

Issue Type	Camelford Court	Camelford Walk	Clarendon Walk	Talbot Walk	
General Repairs	126.9%	84.7%	91.3%	83.3%	
Heating/ Hot Water	61.5%	78.0%	72.1%	50.0%	
Plumbing	76.9%	110.2%	113.5%	66.7%	
Leaks	57.7%	64.4%	78.8%	44.4%	
Intercom / Door Entry / Locks	11.5%	54.2%	25.0%	38.9%	
Electrical	46.2%	55.9%	31.7%	72.2%	
Lighting	34.6%	32.2%	27.9%	22.2%	
Windows	7.7%	25.4%	7.7%	0.0%	
Drains / Gullies / Guttering	7.7%	5.1%	9.6%	5.6%	

- •On average, every resident has reported a heating or hot water problem in the last six months
- •General plumbing and leaks remains a problem
- Door entry system also need replacement

Understanding the issues: Energy Performance Certificates

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Talbot Walk			Clarendon Walk		Camel	Camelford Walk		Camelford Court			
EPC			EPC			EPC			EPC		
Rating	Homes	%	Rating	Homes	%	Rating	Homes	%	Rating	Homes	%
A	0	0%	A	0	0%	Α	0	0%	A	0	0%
В	0	0%	В	0	0%	В	0	0%	В	0	0%
С	0	0%	C	10	10%	C	2	3%	C	0	0%
D	14	78%	D	79	79 %	D	38	65%	D	9	35%
E	4	22%	E	10	10%	E	19	32%	E	17	65%
F	0	0%	F	1	1%	F	0	0%	F	0	0%
G	0	0%	G	0	0%	G	0	0%	G	0	0%
No EPC	0	-	No EPC	4	-	No EPC	0	-	No EPC	0	-

An EPC gives a property an energy efficiency rating from A (most efficient) to G (least efficient).

Understanding the issues: Surveys and Investigations

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We have undertaken structural surveys of Camelford Court and roof surveys on all blocks, and will be doing further surveys across all blocks





Understanding the issues: Surveys and Investigations

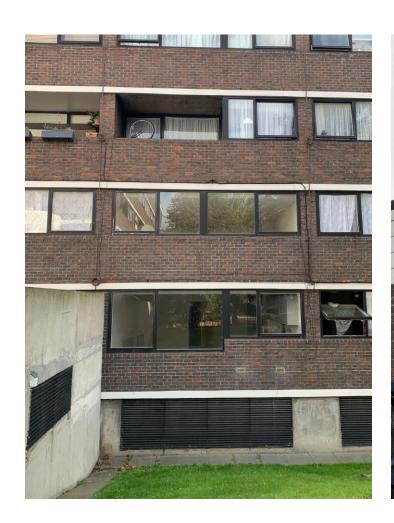
- Analysing archive information and taking measured site surveys of the building
- We have been modelling your building in 3D, in both physical and digital models
- We have completed a drone survey of your blocks





Understanding your buildings: Single Glazed Windows

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- Cold surfaces for condensation
- Insecure openings



Condensation

Many residents have reported problems with condensation on windows, particularly after showering or in the kitchen. This is I to poor existing ventilation in the kitchens and bathrooms, and glazing of windows.



Understanding the issues: Cold Walls, Cold Roofs, Cold Floors

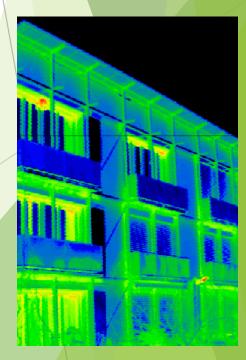
- Little or no insulation in the walls
- Minimal insulation in the roofs
- No insulation between the ground floor and the basement







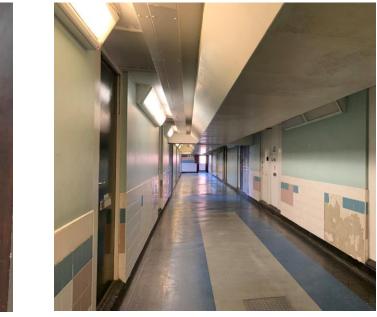




Understanding the issues: Entrances, Corridors & Bins











Door Security & Intercom System needs to be improved

Internal Corridors need redecoration

Bin Chutes are too small and noisy. No recycling within blocks.

Understanding the issues: Let's Talk!

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Before we continue:

- Is there anything else we need to know regarding the comfort of your homes?
- Is there anything we have missed?

Refurbishing your homes

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TOWARDS A NET ZERO CARBON ESTATE

INSIDE YOUR HOME

Bathrooms

Kitchens

Internal Decoration

Sound Insulation

Heating

Lighting

Ventilation

COMMUNAL AREAS

Stairs & Lifts

Corridors

Main Entrance

Decks

Door Entry Systems

YOUR BUILDING

Windows

Roof

External Doors

Floors

Walls

Heating and Lighting Systems

YOUR NEIGHBOURHOOD

District Heating System

Solar Panels

External Signage

Landscaping

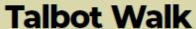
Maximising Fire Safety



- Trigon have joined our team as an independent Fire Consultants.
- The proposed fire safety provisions will exceed those recommended for compliance with the Building Regulations.
- Construction materials introduced to the building will meet high fire safety standards (Class A1 / A2 where possible)

Your Home: Kitchens, Bathrooms & Internal Decor

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Refurbishment programme

Residents' top 10 priorities are:

- Kitchens
- Windows
- Lifts
- Bathrooms
- Door entry system
- Boiler renewal
- 🕖 Interior décor
- Open State of the Additional Brick skin
- Communal entranceMake garden

accessible

Co-design update

Building on the Ideas Days of 2018, we have engaged over a six morth period with residents from every block to establish their priorities, based on the budget secured and latest estimated costs.

We will use these priorities – together with surveys and feasibility studies undertaken throughout 2020 – to shape block specific refurbishment programmes, and deliver a 21st century model estate.



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Clarendon Walk

Refurbishment programme

Residents' top 10 priorities are:

- Windows
- ❷ Kitchens ⋒ Internal décor
- Bathrooms
- Heating renewal
- G Door entry system
 Flat entrance
- 6 Flooring
- Drainage
- Communal entrance

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Camelford Court

Refurbishment programme

Residents' top 10 priorities are:

- Windows
- 2 Bathrooms
- Soundproofing
- Kitchens
- 10 Internal décor
- ® Resurface courtyard, slope and stairs
- Front doors and bins
- © Communal lights and electrics

Co-design update

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Camelford Walk

Refurbishment programme

Residents' top 10 priorities are:

- Windows
- ② Kitchens
 ③ Bathrooms
- ODoor entry system
- Internal décor
- Boiler renewal
- Communal entrance
- Clifts
- Communal electrics
- Flooring

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Your Home: Kitchens, Bathrooms & Internal Decor

- A parallel programme run by Lancaster West Neighbourhood Team
- Providing new high quality kitchens and bathrooms
- Internal redecoration, with resident choices available





Your Home: Windows

Introduction **Existing Homes** Possible Improvements **Next Steps** Questions

Talbot Walk

Refurbishment <u>programme</u>

Residents' top 10 priorities are:

Kitchens

Windows

Lifts

Bathrooms

O Door entry system

6 Boiler renewal

Interior décor

Additional brick skin

Ocmmunal entrance

Make garden accessible

Co-design update

a six morth period with residents from every block to establish their priorities, based on the budget secured and

block-specific refurbishment programmes, and deliver a 21st century model estate.





Building on the Ideas Days of 2018, we have engaged over

We will use these priorities - together with surveys and feasibility studies undertaken throughout 2020 - to shape



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Clarendon Walk

Refurbishment programme

Residents' top 10 priorities are:

Windows

Kitchens

Internal décor

Bathrooms

Heating renewal

6 Door entry system **☑** Flat entrance

Flooring

O Drainage

Communal entrance

Co-design update

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Camelford Court

Refurbishment programme

Residents' top 10 priorities are:

Windows

Bathrooms

Soundproofing

Kitchens

O Drainage

Water pressure

⊘ Internal décor

Resurface courtyard, slope and stairs

Front doors and bins

Communal lights and electrics

Co-design update

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Camelford Walk

Refurbishment programme

Residents' top 10 priorities are:

Windows

Kitchens

ODoor entry system

1 Internal décor

Bathrooms

Boiler renewal

Communal entrance

8 Lifts

Ocmmunal electrics

Flooring

Co-design update

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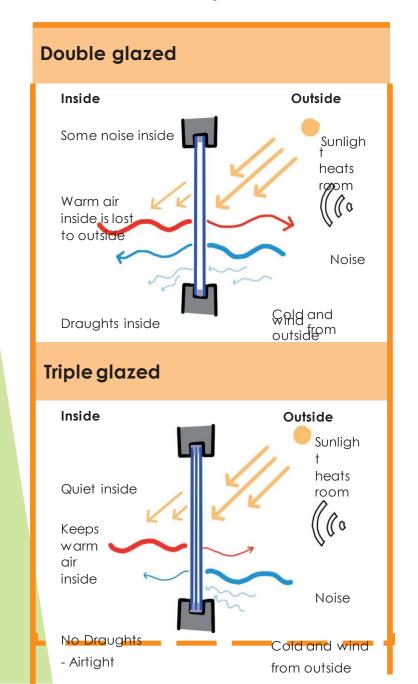




Your Home: Windows

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Double or Triple Glazed?



How do they open?

- Security
- Maintenance
- Child Friendly
- Ease of Cleaning





3. Tilt and turn (inward opening)





4. Fully reversible



What are they made of?

Aluminium Outside Timber Inside



Aluminium Outside Aluminium Inside

Your Building: Lifts and Entrances

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21st century model estate.

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Camelford Court Refurbishment programme Residents' top 61% 10 priorities are: Windows Resident participation Bathrooms Soundproofing Kitchens O Drainage Water pressure Internal décor Resurface courtyard. slope and stairs Front doors and bins Communal lights and electrics

Co-design update

latest estimated costs.

21st century model estate.

Building on the Ideas Days of 2018, we have engaged ove

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Camelford Walk

Refurbishment programme

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- Windows
- Kitchens
- Bathrooms
- ODoor entry system
- 6 Internal décor
- 6 Boiler renewal
- Communal entrance
- 6 Lifts
- Ocmmunal electrics
- Flooring

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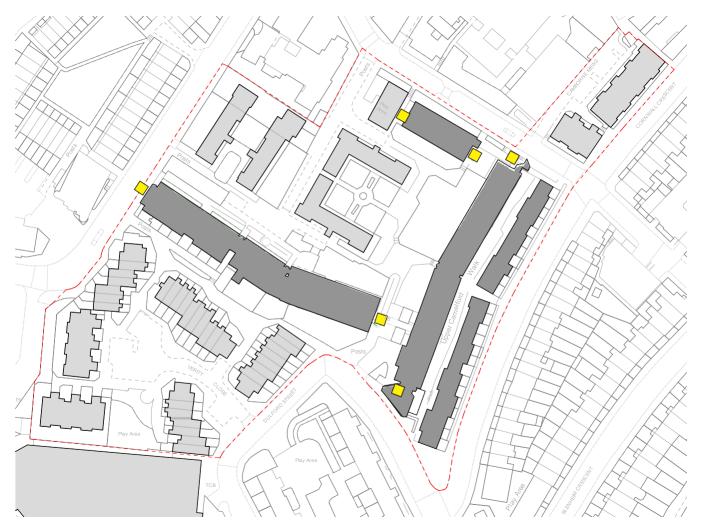






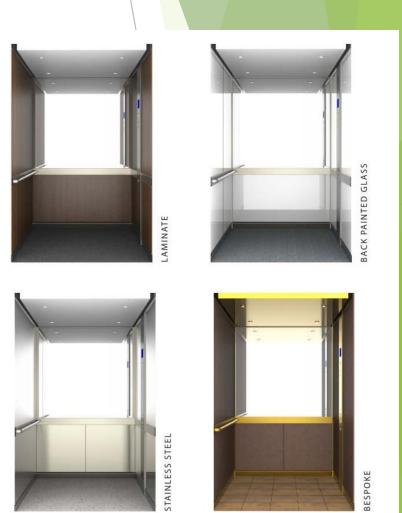
Your Building: Lifts and Entrances

- Exploring Initial locations
- Option to create a whole new entrance
- A lot to work out at ground and basement
- Bin strategy and recycling facilities to be explored









Your Building: Lifts and Entrances

- Exploring Initial locations
- Option to create a whole new entrance
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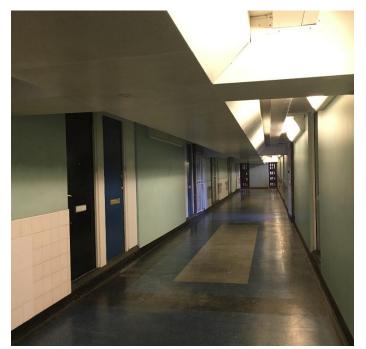


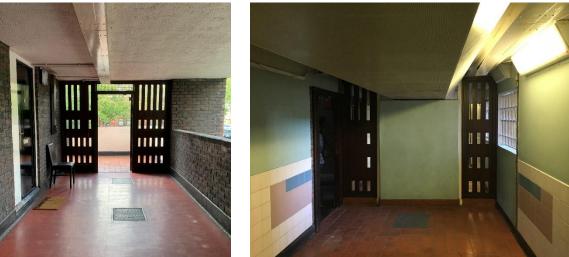


Your Building: Communal Areas

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Example of a light corridor with welcoming entrances



Example of a corridor with feature down-lighting





Indicative lighting - soft lit using diffused light

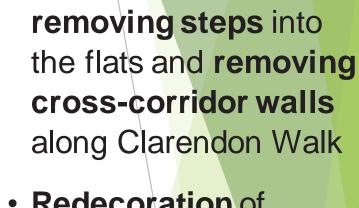


Example of timber front doors



Example of material palette





Reviewing options for

- Redecoration of communal areas corridors and entrances
- Better lighting and security, and new finishes to be developed in co-design with you



Your Building: Heating and Hot Water

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Talbot Walk

Refurbishment programme

Residents' top 10 priorities are:

- Kitchens
- Windows
- Lifts
- Bathrooms
- Open contract to the second contract to th
- 6 Boiler renewal
- Interior décor
- Additional brick skin
- Communal entrance
- Make garden accessible

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Clarendon Walk

Refurbishment programme

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- Kitchens
- 1 Internal décor
- Bathrooms
- Heating renewal
- O Door entry system
 Flat entrance
- 8 Flooring
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- Communal entrance

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Refurbishment programme

62%

Resident

participation

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Residents' top 10 priorities are:

Camelford Court

- Windows
- Bathrooms
- Soundproofing
- O Kitchens
- O Drainage
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61% Resident participation







Camelford Walk

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- Kitchens
- 8 Bathrooms
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 Communal entrance
- 6 Lifts
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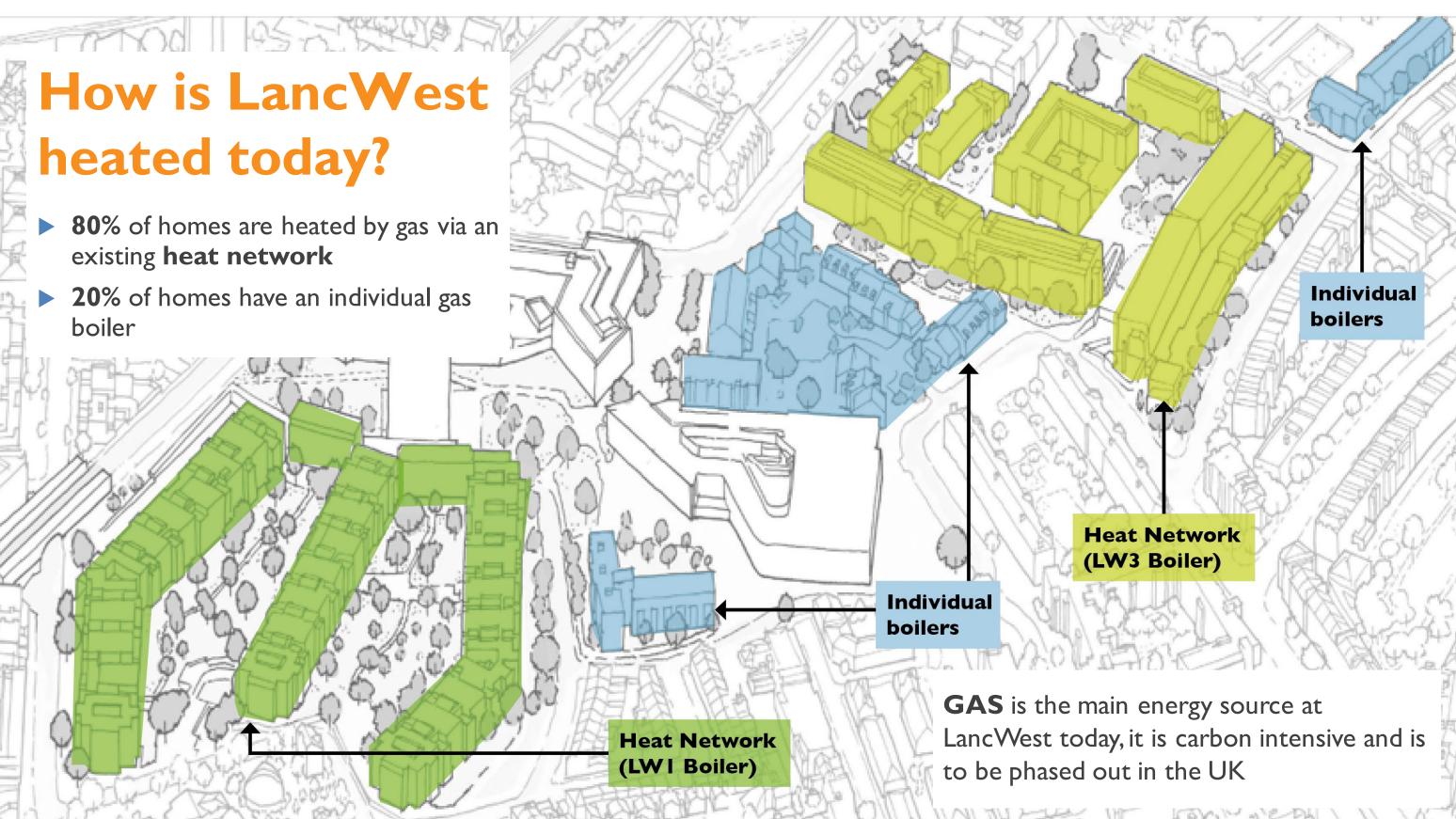


Your Building: Heating and Hot Water

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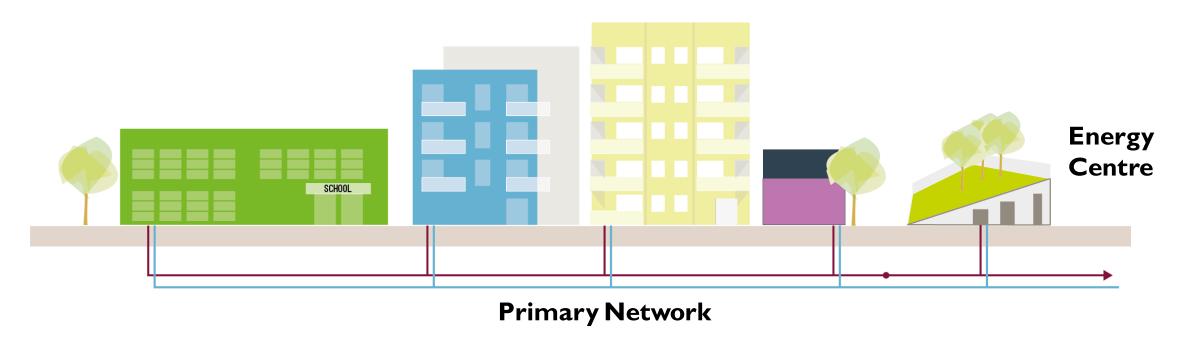
Your future heating and hot water solution

Janet Hall
Heat Network Engagement Manager



What is a heat network?

It is a system that supplies heat to several buildings via pipes connected to a local energy source



Renewal and replacement is required of the two heat networks, which today supply 80% of LancWest heating

Future Heating Co-Design

Feb / March 2021

Technical teams are doing surveys to find out what is possible. Here we are testing if we can take heat from sewage!

March / April 2021

► We will share the heating options for resident review and codesign



tails

Flat Number

Share your thoughts heating today... Leaseholder Freeholder

Tenant

Freeholder

ou like to A resident survey is live, available online or request a

meeting topaliseus Oppur future

NO

more detail? ► Janet.hall@rbkc.gov.uk

o you like about your heating system today?

heat your home to the YES NO u would like?

Heating Cost + Comfort

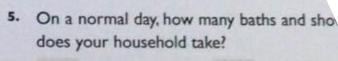


3. Is your home warm enough circle your answer

never	not often	ok
1	2	3

Is your home cool enough in sun circle your answer

	not		
never	often	ok	ofte
1	2	3	4



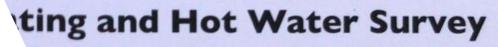
Baths (no.)

Showers (no.)

6. Do you have hot water available when you need it?

	some-				
never	times	ok	often	always	
1	2	3	4	5	

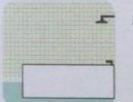
7. Do you have further comments about anyhing above?



West Top Ten Priorities, showed that heating high on the list of things to fix for many ke to hear more about what you think of what you would like to see in the future. ep to co-designing new and improved e will host a number of Co-Design rch 2021.

> complete the survey online, or Sunday 14 March 2021. Survey





Understanding the issues: Let's Talk!

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Before we continue with sustainability and zero carbon:

- What are your thoughts on the interiors and communal areas?
- What are your thoughts on the windows?
- Do you have any questions regarding the heat network?

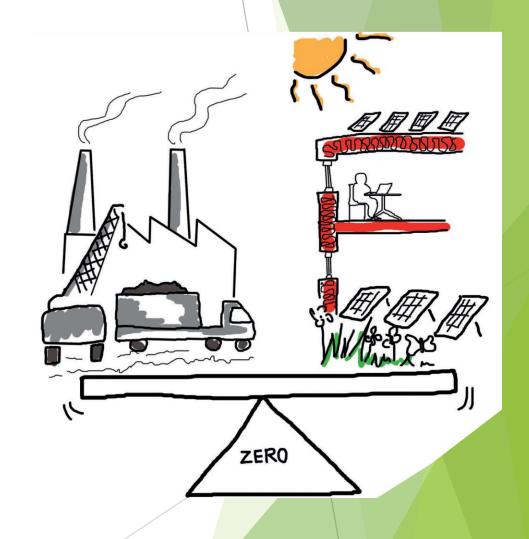
What does 'net zero carbon' mean for your homes?

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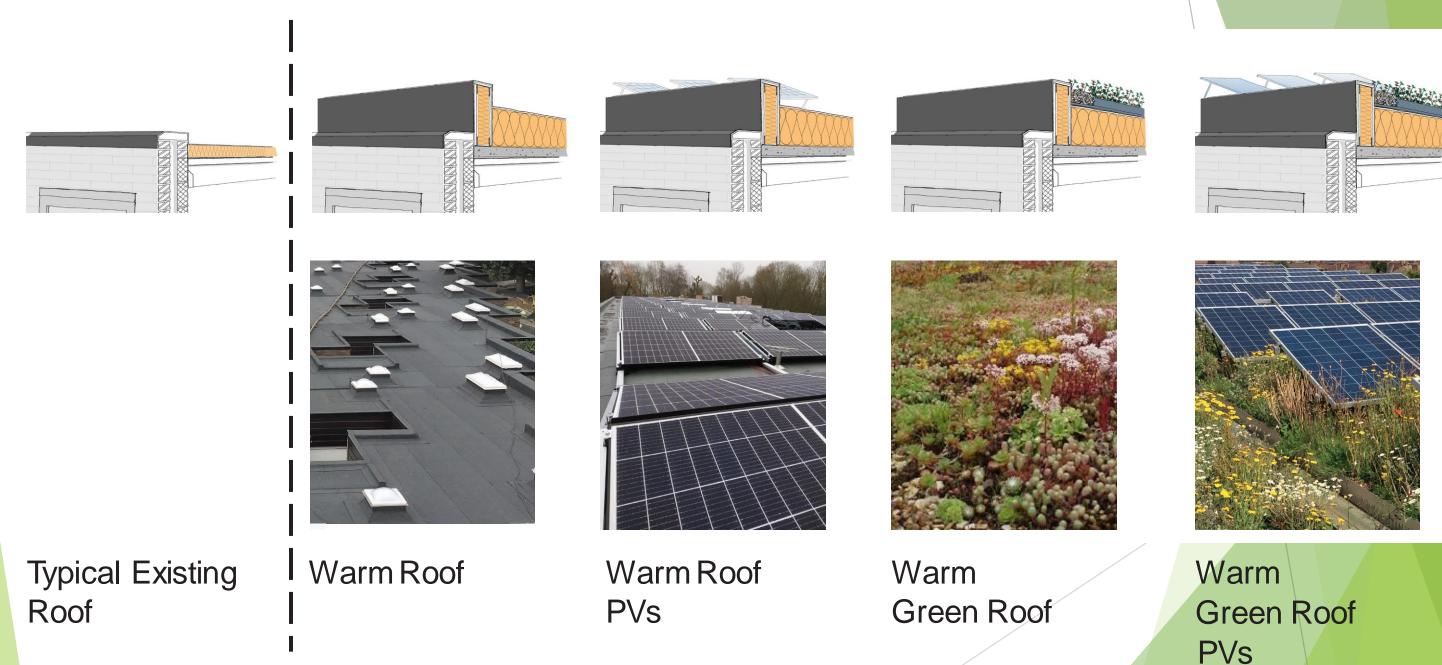
Healthier and more comfortable homes:

- Better thermal comfort through summer and winter
- Better ventilation and indoor air quality
- Lower energy bills and leaseholder service charges
- More soundproofing between flat

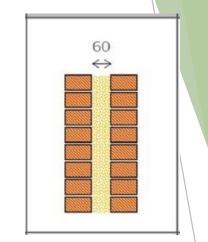
...and an opportunity to co-design and refurbish the buildings to standards others will look to follow!



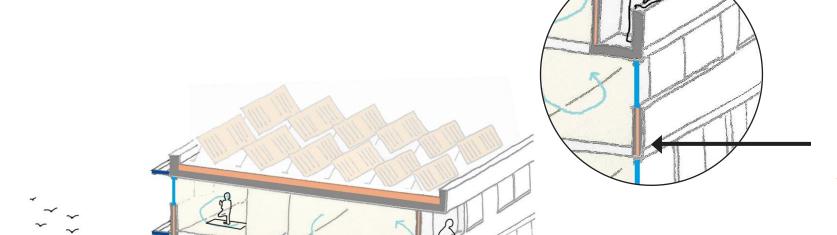
Your Building: Roof Options



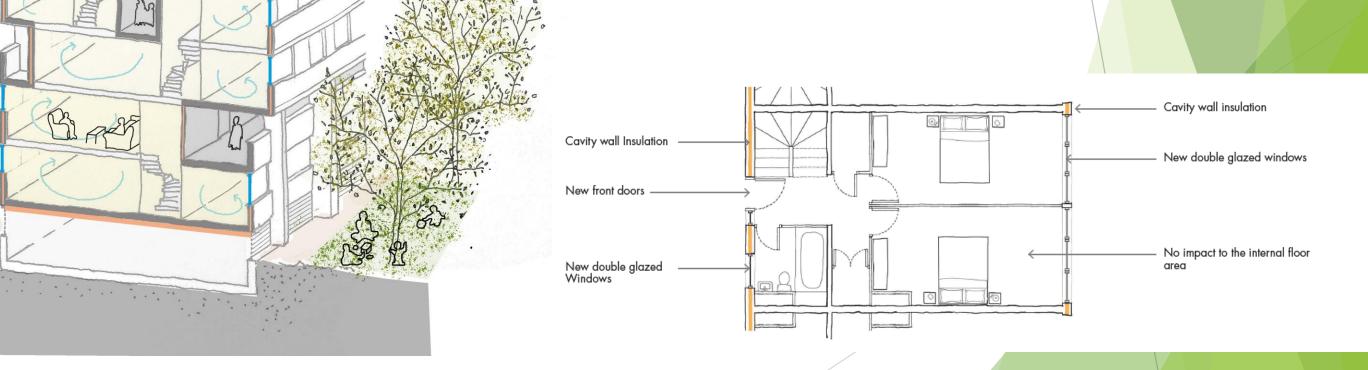
Your Building: Cavity Wall Insulation



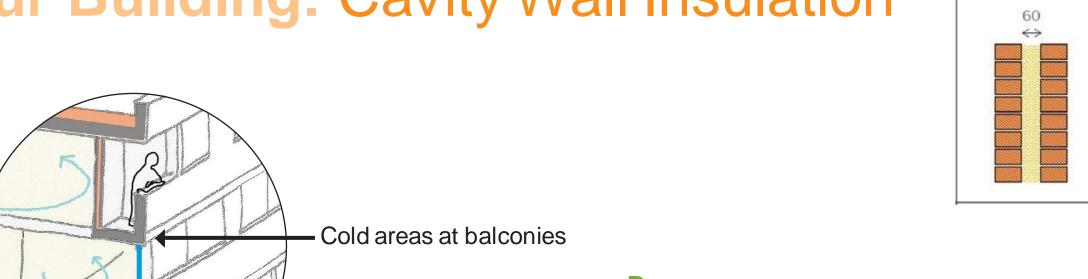
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Cavity infill insulation to cavity brickwork walls



Your Building: Cavity Wall Insulation



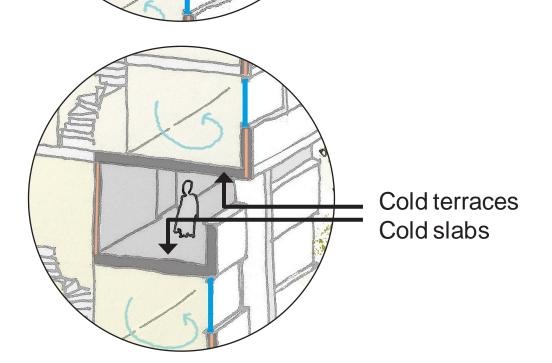
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Pros

- No impact to resident's internal floor area
- Minimised disruption to residents due to less work proposed
- New windows and fresh air ventilation could be provided

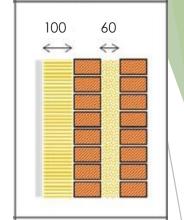
Cons

- Does not support our energy efficiency aims.
- There will still be damp, cold spots and draughts in flat
- Access to flats required to install new windows and ventilation system
- Some scaffolding may be required



Your Building: Internal Wall Insulation

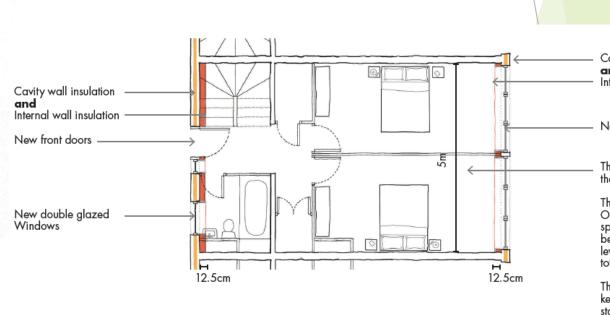
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Insulation to the internal face of the external walls

Solar shading introduced to help prevent overheating



Cavity wall insulation Internal wall insulation

New Double Glazed Windows

This approach will have an impact to the internal floor area.

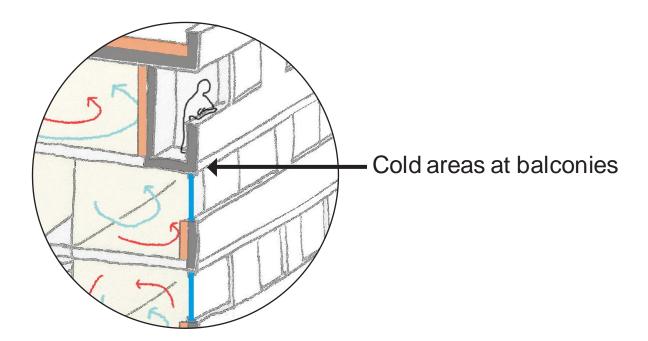
The wall is approximately 12.5cm thick. On average, roughly 0.6sqm of floor space at either end of a floor level will be lost. This is roughly 4% on each level of a typical 2-bed duplex flat, totalling an 8% loss overall.

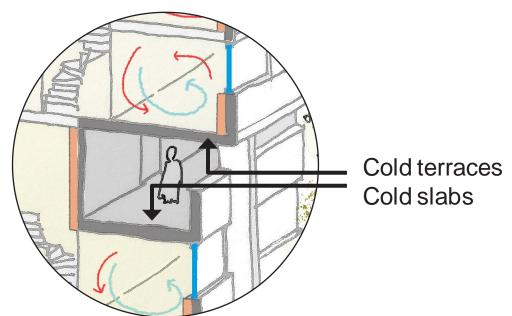
There may also be some disruption to key features such as service risers and

Your Building: Internal Wall Insulation

100 60

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Pros

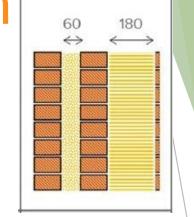
- Building performance will be much improved
- Homes will be warmer and greener
- Energy bills will be reduced

Cons

- Difficult to achieve the necessary energy reduction
- There may still be some damp, cold spots and draughts in flat
- Resident's floor space will be reduced to allow for internal insulation
- Disruption for residents due to access required for internal wall insulation
- Access to flats required to install new windows and ventilation system

Your Building: External Wall Insulation

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New external wall insulation and external brickwork skin

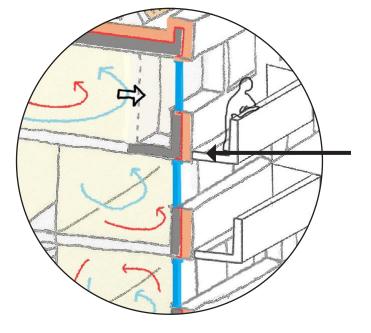
- New external balconies
- Flats to gain additional floor area
- Solar shading to help prevent overheating

Highest level of energy performance!

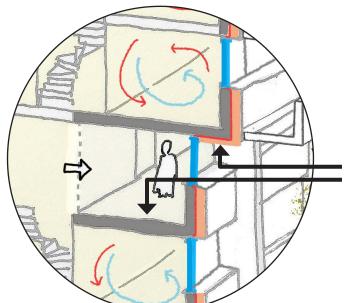


Your Building: External Wall Insulation

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External wall fully insulated



Corridors and decks could become heated, indoor spaces Slabs insulated

Pros

- Will support the project's Net Zero Carbon aims
- No reduction of resident's internal floor space, and some flats may gain internal floor space
- Potential for minimising resident disruption due to external wall insulation being constructed outside the homes
- Proposed design should prevent any future issues with draughts, damp and condensation
- Opportunity to strengthen building and estate identity with new external brickwork

Cons

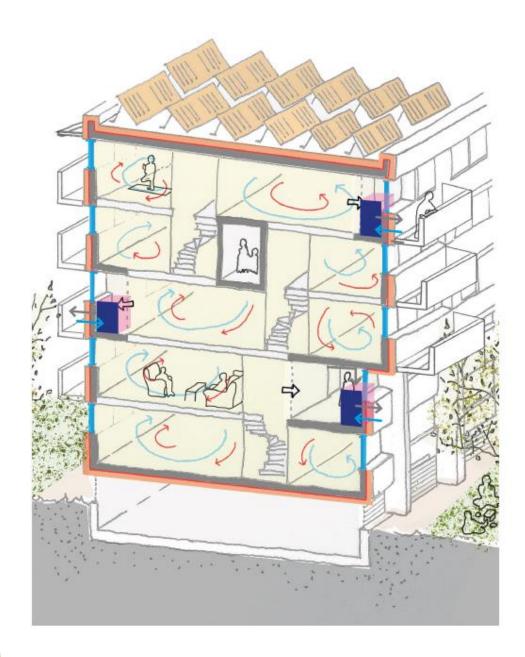
- A higher upfront cost
- Scaffolding will very likely be required for external wall insulation
- Access to flats required to install new windows and ventilation system
- Longer construction fime than internal insulation.

Your Building: Material Options

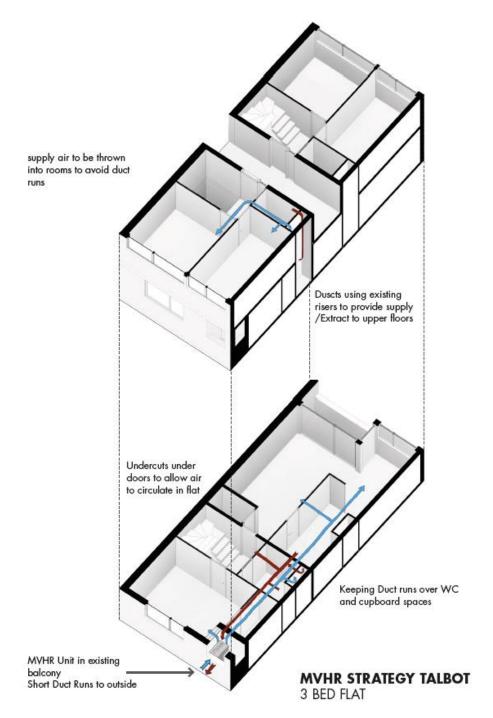
- Material Options to be explored further through Co-Design
- Robust Materials
- Only A1 / A2 rated materials



Ventilation: Mechanical Heat Recovery



MVHR LOCATED ON EXISTING BALCONIES





attenuator

What do these improvements mean for your homes?

- The **better insulated** your building is, the less heat is lost, the **less energy** you need to heat your home.
- This will translate to lower energy bills
- It will also create a more comfortable environment, eliminating drafts, and offer a more stable temperature
- A holistic approach is needed to avoid over-doing it on one aspect, and compromising on another, for example air-quality, or over-heating

Let's Talk: Let us know what you think...

This is a Co-Design project, your opinion matters.

We will be developing the proposals further before we meet again with a more focused presentation, but until then...

- What do you think about the options presented?
- Is there anything we have missed?

Next steps: We need your help!

Structural Surveys

To help us understand the existing structure, these surveys will require a small section of your ceilings to be opened up, so we can see the structural slab behind, and how it connects back to the wall.

The works will take a few days, anything taken down, will be repaired and redecorated, with a choice of finishes available.

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Volunteers Required:

- Upper Camelford Walk (2 volunteers)
- Upper Talbot Walk (2 volunteers)
- Upper Clarendon Walk (3 volunteers)

(Please look out for letters sent from LWNT)

Next steps: We need your help!

Air-Tightness Testing

These are not intrusive, meaning there will not be any opening up works required.

But it may be an inconvenience for approximately 30 minutes.

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Volunteers Required:

- For these surveys, we will need a sample that covers all the different flat types that exist across all the blocks.
- Please look out for a letter to come



And lastly: To continue the conversation...

Before our next meeting:

- A copy of this presentation will be available for all residents & a recording of this presentation will be available on W11 website
- We will be sending all residents an initial designs survey, to get your feedback on everything shared tonight
- We hope to hold a pop-up event on the estate in April to get more feedback
- Any comments or thoughts very welcome!

If you would like to follow anything up, please contact: Telephone: 0800 389

2005

Email: <u>lancasterwestoffice@rbkc.gov.uk</u>

Website: www.weare11.org



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