Conservation area	No
Listed building	No
Flood risk	Very low
Radon potential	Lowest

Reviewed as per PV PIBI
Windows and Doors PIBI not available

CONSTRUCTIVE
THINKING

AT-11-M

9 Sumatra Road-NW6 1PS

NHG SHDF Wave 2.1
Project No: 7089

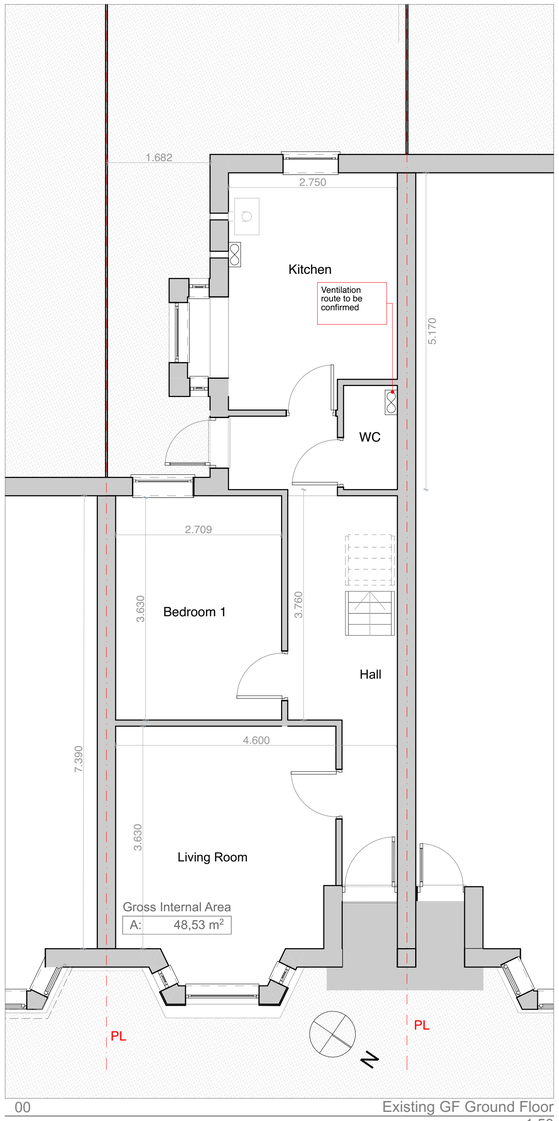
Prepared For:
Equans

RETROFIT

41101

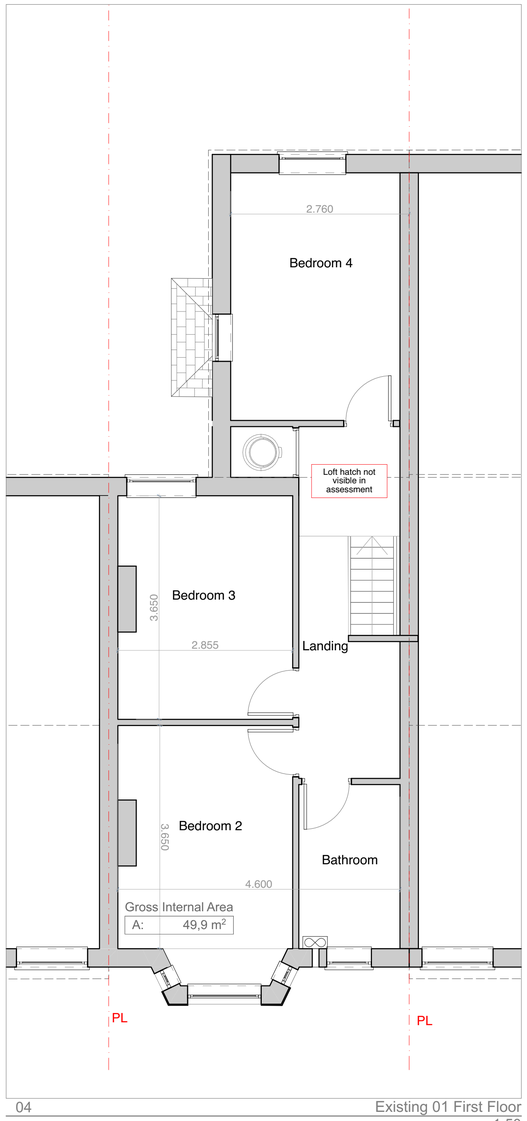
P-03

Ch.ID	Transmittal Set ID		Mdld by	Chkd by	Date+Time
P-01 60.09	P-01	60.09			
P-01 60.119, 60.9, 90.35, 88.75, 89.74	P-01	60.119, 60.9, 90.35, 88.75, 89.74			
P-02 11 07	P-02	11 07			
P03 9	P03	9			
P-03 64,9	P-03	64,9			
P-03 9	P-03	9			



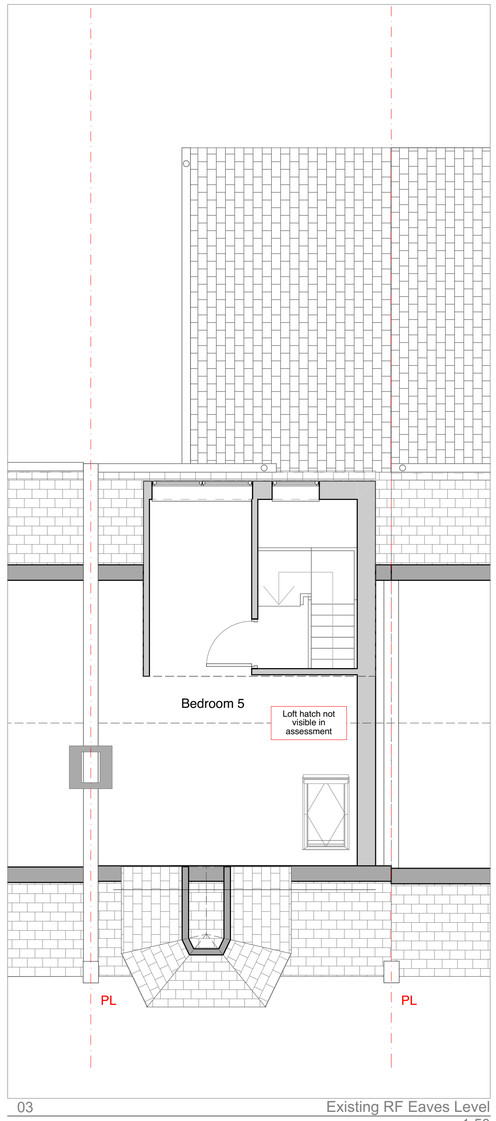
00 Existing GF Ground Floor

\- 1:50



04 Existing 01 First Floor

\- 1:50



03 Existing RF Eaves Level

\- 1:50

P-03 9	Approved subject TBC	19/9/24		
P-03 64,9	Approved subject TBC	17/9/24		
P03 9	Approved subject TBC	12/9/24		
P-02 11 07	Approved to subject to Buildign Control	11/7/24		
P-01 60.119, 60.9, 90.35, 88.75, 89.74	Approved subject to BC	4/4/24		
P-01 60.09 Transmittal Set ID	Approved subject to BC Transmittal Set Name	3/4/24 Issue Date	Modeled By	Checked By

1:500 1:50 1:5

10m 1m 20 2000 30 3000 40 4000

100mm 200 300 400

Demolition/Adapation Risks

Refer to risk register

Construction Risks

Refer to risk register

Maintenance/Cleaning Risks

Refer to risk register

Safety Health and Environmental Information Box

In addition to the hazard/risks normally associated with the types of work detailed on this drawing take note of the above. It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement.

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Client Equans

Project NHG SHDF Wave 2.1

Existing Floor Plans

Status Stage Approval Subject to Building Control - A1 -

Drawings Existing GF Ground Floor, Scale Bar, Existing R1 Roof Level, Existing RF Eaves Level, Existing 01 First Floor

Paper Size A1

Scales 1:50

File 7089_AT-11-M-UPDATED

Drawing Number

7089	CTS	60	9	D	A	41104	P-03

Revision

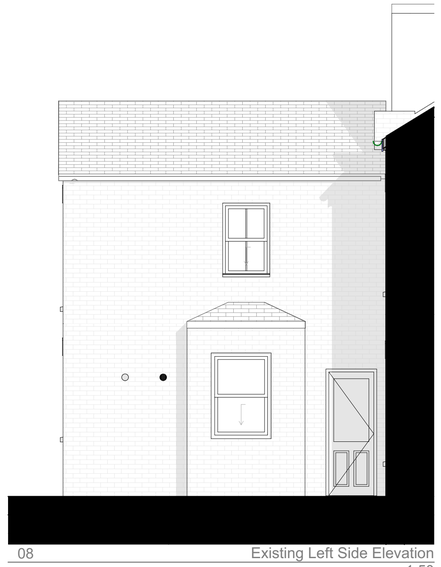
Ch.ID	Transmittal Set ID		Mdld by	Chkd by	Date+Time
P-03 64,9	P-03	64,9	GV	GV	
P-03 9	P-03	9	GV	GV	

00 Existing Front Elevation

\- 1:50

03 Existing Rear Elevation

\- 1:50



08 Existing Left Side Elevation

\- 1:50

P-03 9	Approved subject TBC	19/9/24	GV	GV
P-03 64.9	Approved subject TBC	17/9/24	GV	GV
P03 9	Approved subject TBC	12/9/24	GV	GV
Transmittal Set ID	Transmittal Set Name	Issue Date	Modeled By	Checked By

1:500 1:50 1:5 — 10m 1m 100mm | 20 2000 200 | 30 3000 300 | 40 4000 400

Demolition/Adapation Risks

Refer to risk register

Construction Risks

Refer to risk register

Maintenance/Cleaning Risks

Refer to risk register

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Client Equans

Project NHG SHDF Wave 2.1

Existing Elevations

Status Stage Approval Subject to Building Control - A1 -

Drawings Existing Front Elevation, Existing Right Side Elevation, Existing Left Side Elevation, Existing Rear Elevation, Existing Building Section A, Scale Bar, Existing Building Section B, Existing Building Section

Paper Size A1

Scales 1:50

File 7089_AT-11-M-UPDATED

Drawing Number: 7089 | CTS | 60 | 9 | D | A | 41105

Revision: P-03

Ch.ID	Transmittal Set ID		Mdld by	Chkd by	Date+Time
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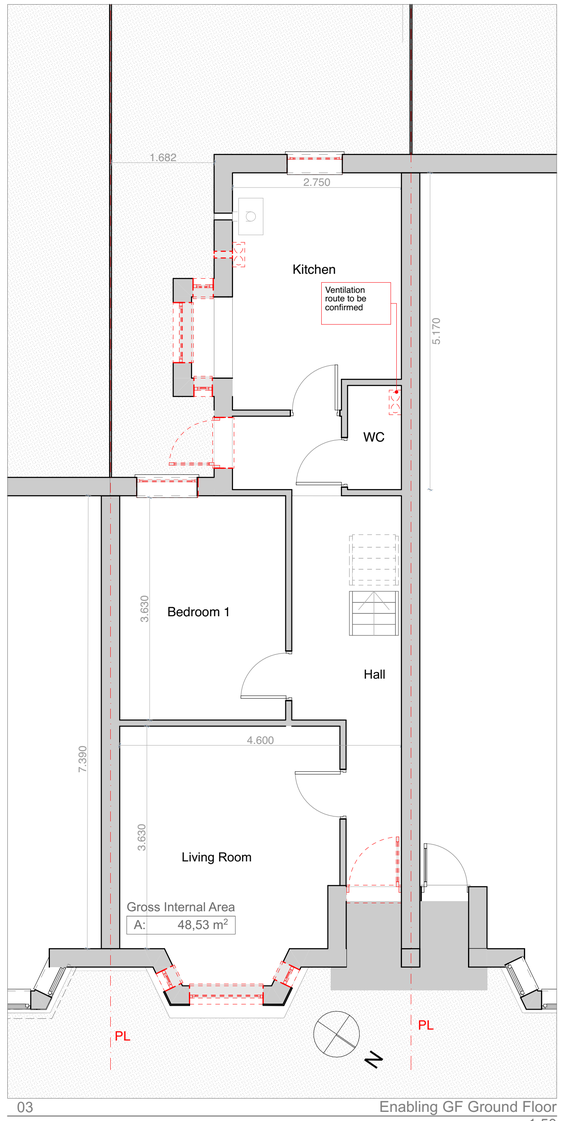
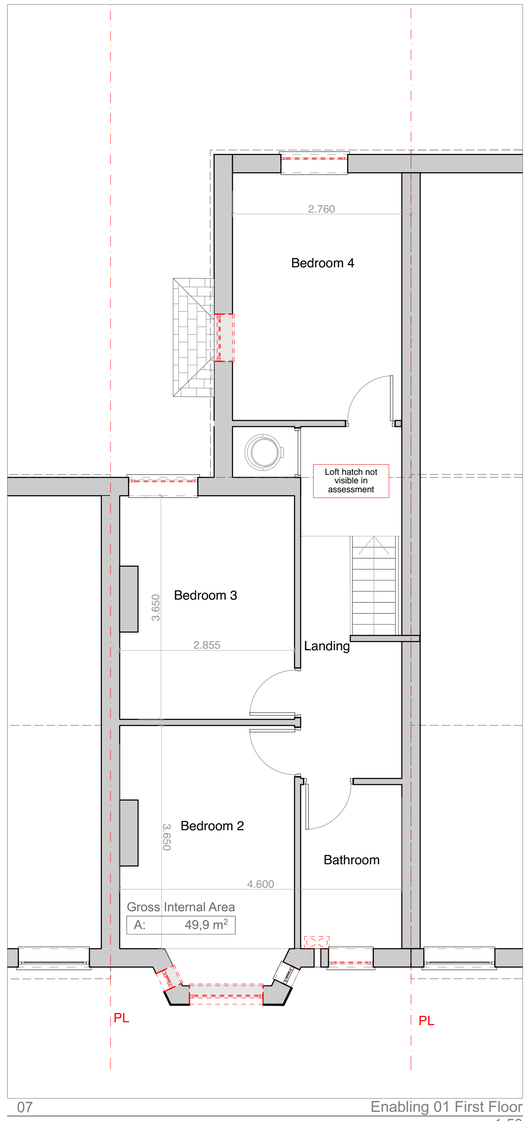
P-03 9	P-03	9	GV	GV	



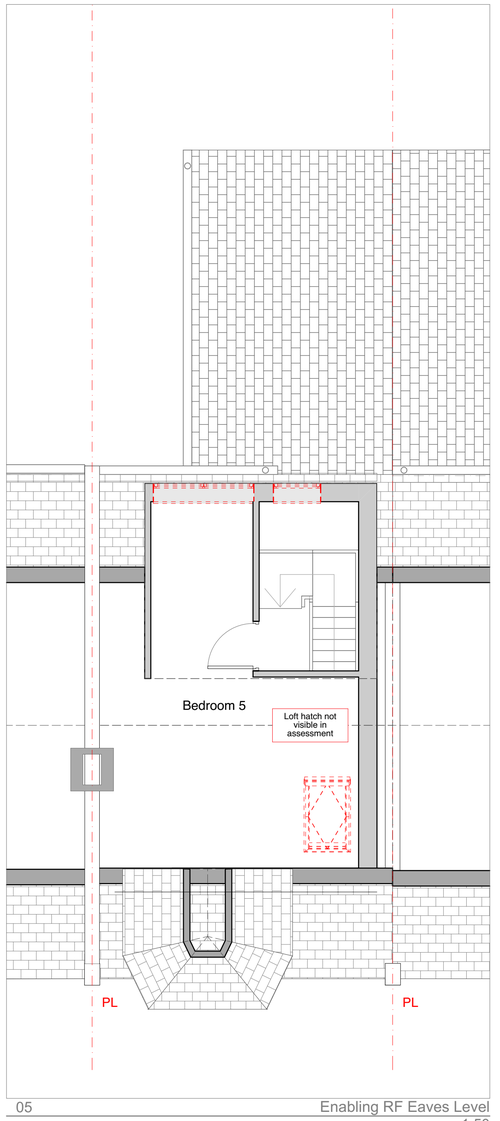
03 Enabling GF Ground Floor

\- 1:50



07 Enabling 01 First Floor

\- 1:50



05 Enabling RF Eaves Level

\- 1:50

Areas not seen through non-intrusive surveys: 1. Condition of existing RWPs, gutters and fascia to be assessed for replacement and replacement to be confirmed by client 2. Condition of existing structural elements

The following items require inspect on to detail project> 1.Air Test

ENABLING WORKS

Ventilation Strategy Preparation
- Remove existing kitchen and bathroom extract fans: ensure 110mm clear core drill aperture and existing fuse spur is adequate for new dMEV fan
- Ventilation of kitchen appliances to be retained and insulated
- New rigid ducting/sleeve to be installed for dMEV
- All air bricks above DPC to be filled, ventilation of kitchen appliances where agreed to be retained and insulated. Maintain existing chimney vents

Roof Preparation
- Existing gutters, soffits and fascia's to be assessed for degradation, replace where required
- Remove existing loft hatch if deemed not suitable
- Remove personal items and debris from the loft space

P-03 9	Approved subject TBC	19/9/24	GV	GV
P-03 64,9	Approved subject TBC	17/9/24	GV	GV
P03 9 Transmittal Set ID	Approved subject TBC Transmittal Set Name	12/9/24 Issue Date	GV Modeled By	GV Checked By

1:500 1:50 1:5 — 10m 1m 100mm | 20 2000 200 | 30 3000 300 | 40 4000 400

Demolition/Adapation Risks

Refer to risk register

Construction Risks

Refer to risk register

Maintenance/Cleaning Risks

Refer to risk register

Safety Health and Environmental Information Box

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Client Equans

Project NHG SHDF Wave 2.1

Enabling Floor Plans

Status Stage Approval Subject to Building Control - A1 -

Drawings Enabling Legend, Inspection / General Caveats, Scale Bar, Enabling GF Ground Floor, Enabling R1 Roof Level, Enabling RF Eaves Level, Proposed GF Ground Floor, Enabling 01 First Floor

Paper Size A1

Scales 1:50

File 7089_AT-11-M-UPDATED

Drawing Number: 7089 | CTS | 60 | 9 | D | A | 41106

Revision: P-03

Ch.ID	Transmittal Set ID		Mdld by	Chkd by	Date+Time
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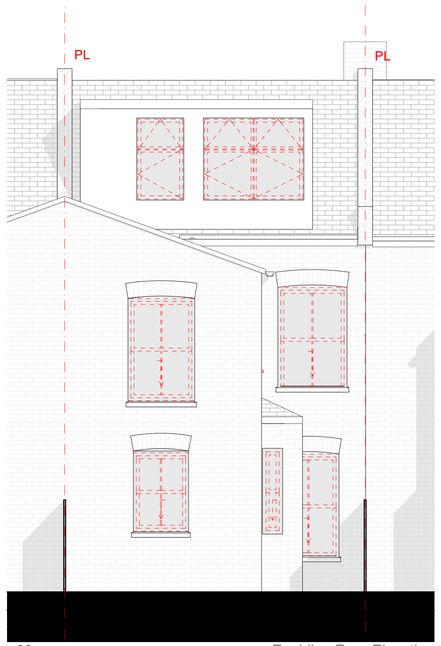
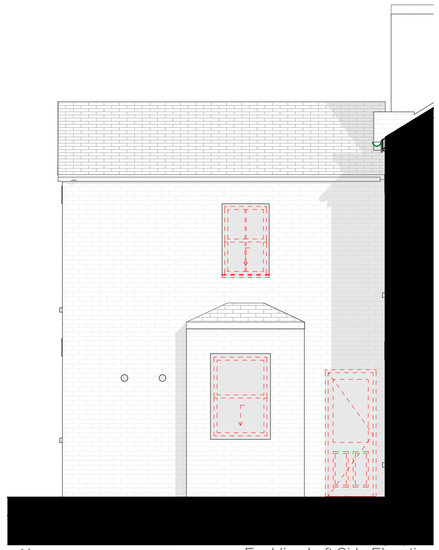
P-03 9	P-03	9	GV	GV	

00 Enabling Front Elevation
- 1:50



03 Enabling Rear Elevation
- 1:50



11 Enabling Left Side Elevation
- 1:50

P-03 9	Approved subject TBC	19/9/24	GV	GV
P-03 64,9	Approved subject TBC	17/9/24	GV	GV
P03 9	Approved subject TBC	12/9/24	GV	GV
Transmittal Set ID	Transmittal Set Name	Issue Date	Modeled By	Checked By

1:500 1:50 1:5 — 10m 1m 100mm | 20 2000 200 | 30 3000 300 | 40 4000 400

Areas not seen through non-intrusive surveys: 1. Condition of existing RWPs, gutters and fascia to be assessed for replacement and replacement to be confirmed by client 2. Condition of existing structural elements

The following items require inspect on to detail project> 1.Air Test

ENABLING WORKS

Ventilation Strategy Preparation
- Remove existing kitchen and bathroom extract fans: ensure 110mm clear core drill aperture and existing fuse spur is adequate for new dMEV fan
- Ventilation of kitchen appliances to be retained and insulated
- New rigid ducting/sleeve to be installed for dMEV
- All air bricks above DPC to be filled, ventilation of kitchen appliances where agreed to be retained and insulated. Maintain existing chimney vents

Roof Preparation
- Existing gutters, soffits and fascia's to be assessed for degradation, replace where required
- Remove existing loft hatch if deemed not suitable
- Remove personal items and debris from the loft space

Demolition/Adapation Risks

Refer to risk register

Construction Risks

Refer to risk register

Maintenance/Cleaning Risks

Refer to risk register

Safety Health and Environmental Information Box

In addition to the hazard/risks normally associated with the types of work detailed on this drawing take note of the above. It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement.

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Client Equans

Project NHG SHDF Wave 2.1

Enabling Elevations

Status Stage Approval Subject to Building Control - A1 -

Drawings Enabling Front Elevation, Enabling Right Side Elevation, Enabling Left Side Elevation, Enabling Rear Elevation, Enabling Building Section A, Enabling Legend, Scale Bar, Enabling Building Section B, Enabling Building Section, Inspection / General Caveats, Proposed GF Ground Floor

Paper Size A1

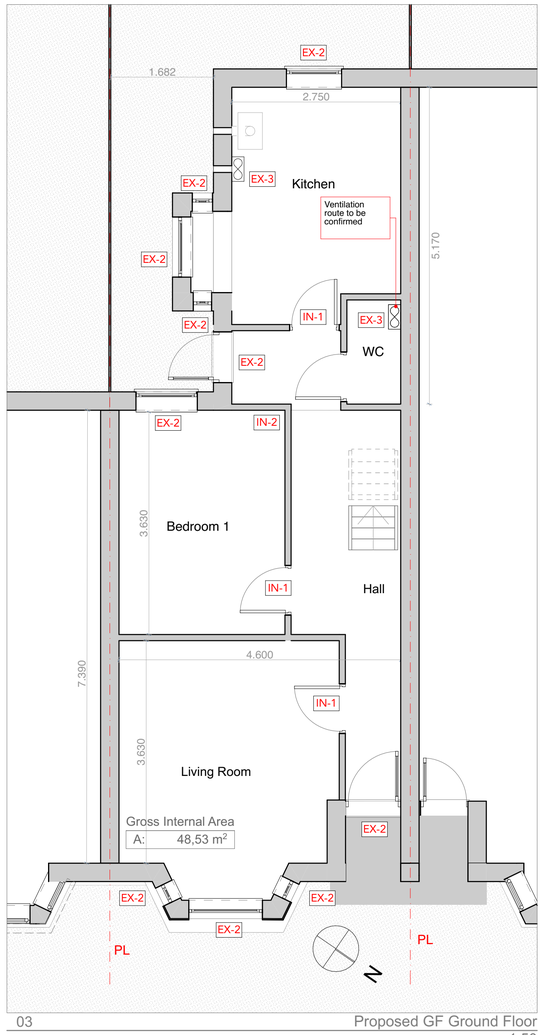
Scales 1:50

File 7089_AT-11-M-UPDATED

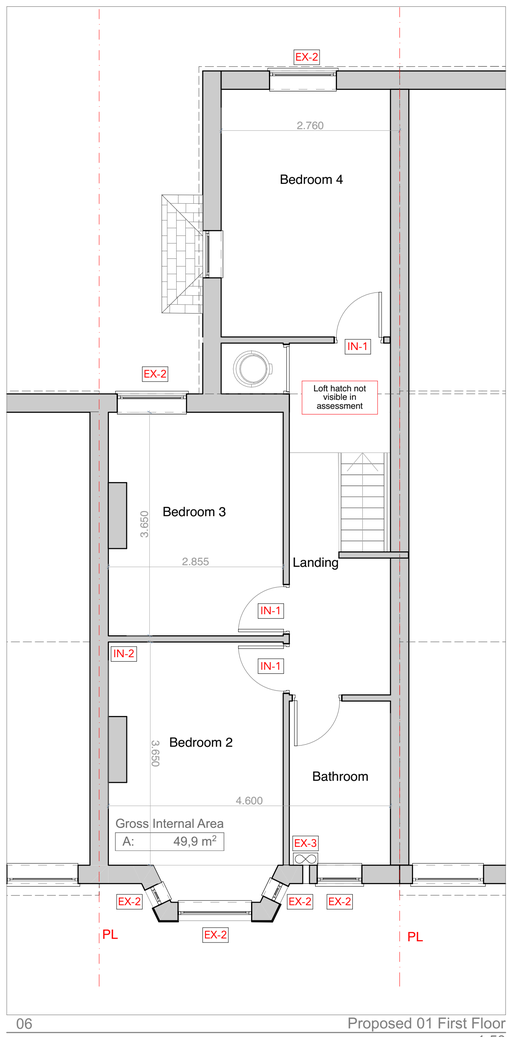
Drawing Number: 7089 | CTS | 60 | 9 | D | A | 41107

Revision: P-03

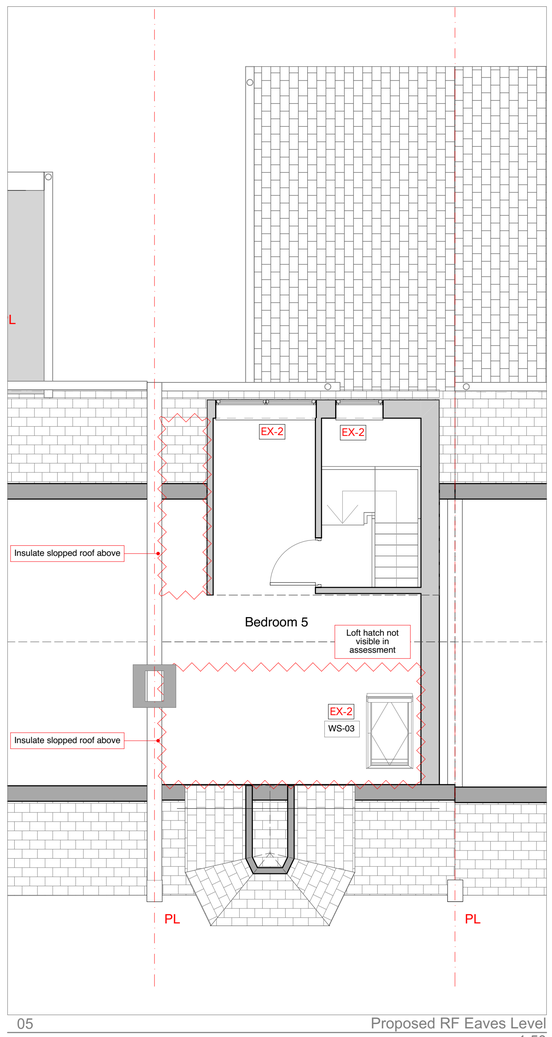
Ch.ID	Transmittal Set ID		Mdld by	Chkd by	Date+Time
P-01 60.09	P-01	60.09			
P-01 60.119, 60.9, 90.35, 88.75, 89.74	P-01	60.119, 60.9, 90.35, 88.75, 89.74			
P-02 11 07	P-02	11 07			
P03 9	P03	9			
P-03 64.9	P-03	64.9			
P-03 9	P-03	9			



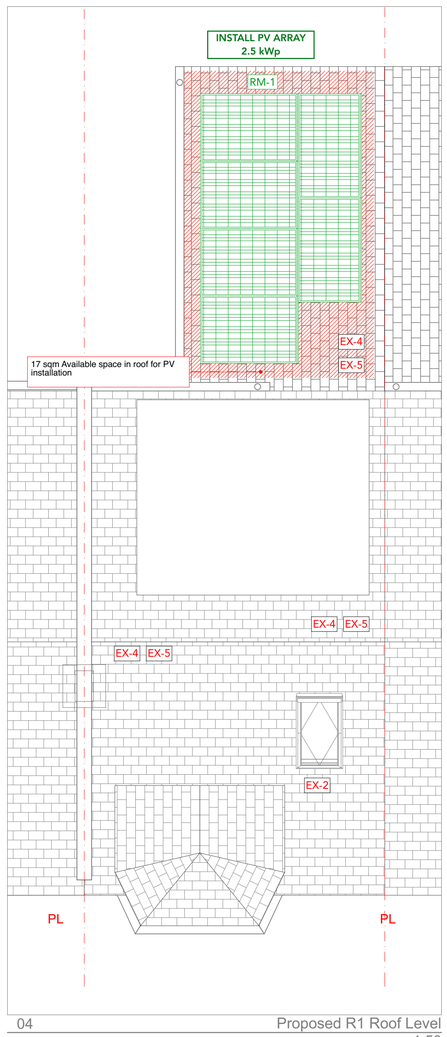
03 Proposed GF Ground Floor
- 1:50



06 Proposed 01 First Floor
- 1:50



05 Proposed RF Eaves Level
- 1:50



04 Proposed R1 Roof Level
- 1:50

PROPOSED WORKS

EXTERNAL WORKS

EX-2 **New External Doors and Windows**
- Windows to achieve U-value of 1.4 W/m²K, A Rated or better
- Composite Doors to achieve U-value of 1.4 W/m²K
- Installed as per manufacturer's technical spec.
- Airtight joint sealing tape to be installed around frames
- All windows to have trickle vents, except wetrooms e.g. Kitchen, WC and Bathroom
- Internal reveals to be made good
- Part L doors to be in accordance with manufacturers spec.

EX-3 **New dMEV to be located in kitchen, WC and bathroom**
- Where extract fans are already present, remove and replace, refer to CTS specification
- Where no extract fan is present, install new fan as shown on GA drawings, refer to CTS specification
- All Airbricks above DPC to be filled, ventilation of kitchen appliances to be retained and insulated
-Chimney vents to be maintained where present

EX-4 **Pitched Roof Insulation**
- Top-up Mineral Wool Quilt Loft Insulation to 270mm, refer to CTS specification
- Loft Insulation to be rolled into the eaves, ensuring continuous thermal envelope, refer to CTS details
- If hatch is not suitable, install new loft hatch as per CTS specification. Otherwise, insulate and draught proof existing loft hatch to maintain thermal envelope
- High Ampere Cables - electric cables supplying storage heaters, immersion heaters, electric showers, electric cookers, or solar PV shall not be covered by thermal insulation. Cables to these appliances shall be lifted above the insulation. If this is not possible, contact the Retrofit Coordinator immediately.
- Non-redundant water tanks to be lagged, and boarding to be installed for access for future maintenance.
- All properties require Eaves Ventilation System to be installed. Strip off first 1 metre of rows of roof tiles at eaves. Install Eaves Ventilation System, which must comprise of: Over Fascia Vent, Felt Support Tray and a Roll Panel Vent, as per CTS Performance Specification in accordance with manufacturer's specification.

Skeilings present on eaves, use details D-10-13 A or D-10-13 B
No skeilings found above staircase as per provided evidence

EX-5 **Roof Ventilation, PIBI to confirm existing condition:**
- Where existing membrane is not breathable (e.g. bitumen felt) and not being replaced with breathable membrane, in addition to the Eaves Ventilation System these roofs require Proprietary Roof Vent Tiles, installer to ensure they are installed higher up above the level of the internal topped-up mineral wool loft insulation, to ensure cross-ventilation of the loft space is adequate.
- Any roof where existing roof pitch is greater than 35° regardless of membrane type require: Proprietary Vented Dry Ridge System (minimum 5mm ventilation) to be installed in accordance with manufacturer's specification.

INTERNAL WORKS

IN-1 **Door Undercuts**
- Minimum 7600mm² undercuts beneath all internal doors to allow through ventilation
- Typically, 10mm gap required between the finished floor level and the bottom of the door

IN-2 **Internal Remedial Works**
- Areas damaged or affected by mould growth or damp need to be repaired and cleaned prior to insulation works
- Areas to consider; bathrooms, WC's, bedrooms, kitchens etc. refer to Retrofit Assessment Condition Survey

RENEWABLE MEASURES TO NET ZERO CARBON

RM-1 **PV Panels - 2.50 kWp**
- PV system layout and specification to manufacturer's design
- PV system to be installed as per manufacturer's technical spec.
- If existing water tank with immersion heater present, Install Solar iBoost+, immersion diverter, excess power generated to be diverted to water tank

NOTE
INTERNAL REMEDIAL WORKS TO BE CONFIRMED AND COMPLETED FOLLOWING PIBI's

P-03 9	Approved subject TBC	19/9/24		
P-03 64.9	Approved subject TBC	17/9/24		
P03 9	Approved subject TBC	12/9/24		
P-02 11 07	Approved to subject to Buildign Control	11/7/24		
P-01 60.119, 60.9, 90.35, 88.75, 89.74	Approved subject to BC	4/4/24		
P-01 60.09 Transmittal Set ID	Approved subject to BC Transmittal Set Name	3/4/24 Issue Date	Modeled By	Checked By

1:500 1:50 1:5 — 10m 1m 100mm | 20 2000 200 | 30 3000 300 | 40 4000 400

Demolition/Adapation Risks

Refer to risk register

Construction Risks

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Safety Health and Environmental Information Box

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Client Equans

Project NHG SHDF Wave 2.1

Proposed Floor Plans

Status Stage Approval Subject to Building Control - A1 -

Drawings Measures Legend , Wall Thickness Legend, Scale Bar, Proposed GF Ground Floor, Proposed R1 Roof Level, Proposed RF Eaves Level, Proposed 01 First Floor

Paper Size A1

Scales 1:50

File 7089_AT-11-M-UPDATED

Drawing Number: 7089 | CTS | 60 | 9 | D | A | 41108 | P-03 (Revision)

Ch.ID	Transmittal Set ID		Mdld by	Chkd by	Date+Time
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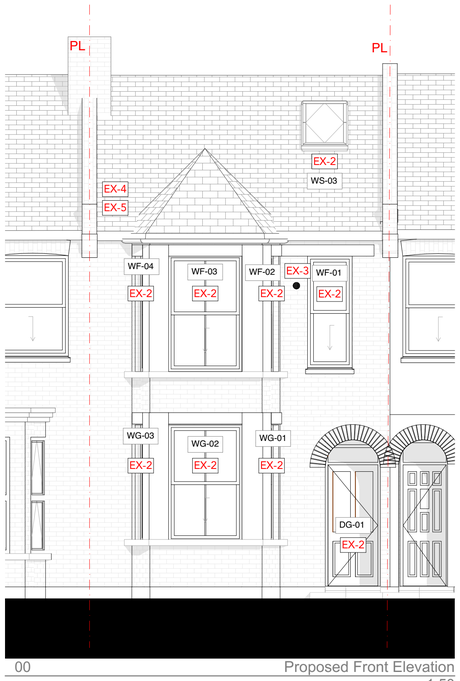
P-03 9	P-03	9	GV	GV	



00 Proposed Front Elevation
- 1:50

03 Proposed Rear Elevation
- 1:50

11 Proposed Left Side Elevation
- 1:50

PROPOSED WORKS

EXTERNAL WORKS

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P-03 9	Approved subject TBC	19/9/24	GV	GV
P-03 64,9	Approved subject TBC	17/9/24	GV	GV
P03 9 Transmittal Set ID	Approved subject TBC Transmittal Set Name	12/9/24 Issue Date	GV Modeled By	GV Checked By

1:500 1:50 1:5 — 10m 1m 100mm | 20 2000 200 | 30 3000 300 | 40 4000 400

Demolition/Adapation Risks

Refer to risk register

Construction Risks

Refer to risk register

Maintenance/Cleaning Risks

Refer to risk register

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Client Equans

Project NHG SHDF Wave 2.1

Proposed Elevations

Status Stage Approval Subject to Building Control - A1 -

Drawings Proposed Front Elevation, Proposed Right Side Elevation, Proposed Left Side Elevation, Proposed Rear Elevation, Proposed Building Section A, Measures Legend , Wall Thickness Legend, Scale Bar, Proposed Building Section B, Proposed Building Section, Proposed GF Ground Floor

Paper Size A1

Scales 1:50

File 7089_AT-11-M-UPDATED

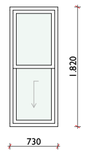
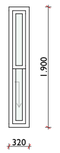
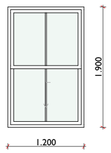
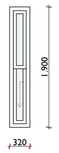
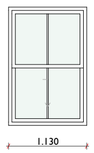
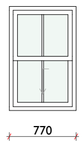
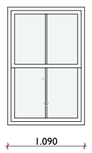
Drawing Number | Revision

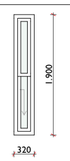
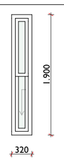
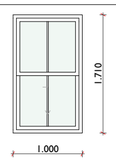
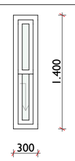
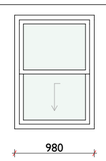
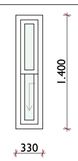
7089	CTS	60	9	D	A	41109	P-03

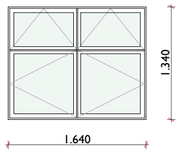
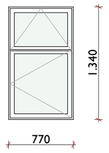
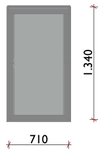
TIMBER WINDOWS AS RECOMMENDED BY PLANNING

CONSIDER KNOK-ONS AND FRAMES FOR MTIP EWI OR IWI INSTALL

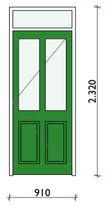
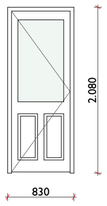
WINDOWS LAYOUT TO BE REPLACED LIKE FOR LIKE SUBJECT TO THERMAL PERFORMANCE AND BUILDING REGULATIONS COMPLIANCE

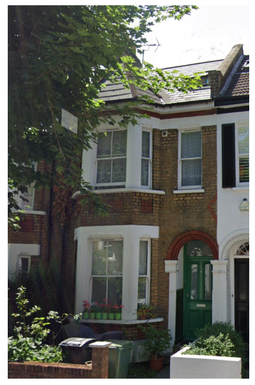
Element ID	WF-01	WF-02	WF-03	WF-04	WF-05	WF-06	WF-07
External Elevation							
Height	1.820	1.900	1.900	1.900	1.710	1.200	1.670
Width	730	320	1.200	320	1.130	770	1.090
Thermal Performance	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better
Window Description	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications

Element ID	WG-01	WG-02	WG-03	WG-04	WG-05	WG-06	WG-07	WG-08
External Elevation								
Height	1.900	1.900	1.900	1.710	1.400	1.400	1.400	1.280
Width	320	1.200	320	1.000	300	980	330	901
Thermal Performance	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better
Window Description	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications

Element ID	WS-01	WS-02	WS-03
External Elevation			
Height	1.340	1.340	1.340
Width	1.640	770	710
Thermal Performance	1.4 W/m2k or better	1.4 W/m2k or better	1.4 W/m2k or better
Window Description	Refer to CTS specifications	Refer to CTS specifications	Refer to CTS specifications

TIMBER DOOR AS RECOMMENDED BY PLANNING

DOOR SCHEDULE		
Element ID	DG-01	DG-02
External Elevation		
Height	2.320	2.080
Width	910	830
Thermal Performance	1.4 W/m2k or better	1.4 W/m2k or better
Door Description	Refer to CTS specifications	Refer to CTS specifications



Existing front elevation (for reference)

Ch.ID	Transmittal Set ID	Mdld by	Chkd by	Date+Time
P-01 60.09	P-01 60.09			
P-01 60.119, 60.9, 90.35, 88.75, 89.74	P-01 60.119, 60.9, 90.35, 88.75, 89.74			
P-02 11 07	P-02 11 07			
P03 9	P03 9			
P-03 64.9	P-03 64,9			
P-03 9	P-03 9			

P-03 9	Approved subject TBC	19/9/24		
P-03 64,9	Approved subject TBC	17/9/24		
P03 9	Approved subject TBC	12/9/24		
P-02 11 07	Approved to subject to Buildign Control	11/7/24		
P-01 60.119, 60.9, 90.35, 88.75, 89.74	Approved subject to BC	4/4/24		
P-01 60.09 Transmittal Set ID	Approved subject to BC Transmittal Set Name	3/4/24 Issue Date	Modeled By	Checked By

Demolition/Adapation Risks

Refer to risk register

Construction Risks

Refer to risk register

Maintenance/Cleaning Risks

Refer to risk register

Safety Health and Environmental Information Box

In addition to the hazard/risks normally associated with the types of work detailed on this drawing take note of the above. It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement.

9 Sumatra Road-NW6 1PS

CONSTRUCTIVE THINKING

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L3 5TF

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Client Equans

Project NHG SHDF Wave 2.1

Window and Door Schedule

Status Stage Approval Subject to Building Control - A1 -

Drawings Window Schedule, Door Schedule, Windows / Doors Caveats

Paper Size A2

Scales

File 7089_AT-11-M-UPDATED

Drawing Number

7089	CTS	60	9	L	A	41110	P-03

Revision

Ventilation Strategy

Address: 9 Sumatra Road, NW6 1PS

Number of Bedrooms: 5

Minimum Whole-Dwelling Ventilation Rate (as per AD Part F): 43 l/s

Strategy:

1. Continuous dMEV in the wet rooms

2. Background ventilators to be trickle vents installed in line with the following conditions: not to be installed in wet rooms, provide the equivalent area of 4000mm^2 for each habitable room within the dwelling, and provide a minimum total number of ventilators that is the same as the number of bedrooms plus two ventilators (i.e. a one-bedroom dwelling should have three background ventilators, a two- bedroom dwelling should have four background ventilators, etc.).

3. Door undercuts to be a minimum area of 7600mm^2 (equivalent to 10mm for a 760mm wide door).

		EXISTING CONDITION		WORKS TO BE DONE		
Room	**Type of Room**	**Adequacy of Existing Ventilation (as per RAR)?**	**Damp or mould found during assessment?**	**1. Continuous dMEV**	**2. Background Ventilators**	**3. Undercuts**
Entrance Hall	Unhabitable Room	Adequate	No	No works	No works	No works
Living Room	Habitable Room	Inadequate	No	Remove existing fan	Yes - Replacement window requires minimum 4000mm^2 trickle vent	Yes - correction required
Kitchen	Wet Room	Inadequate	No	New dMEV Fan, minimum 17 l/s	No works	Yes - correction required
WC	Wet Room	Adequate	No	New dMEV Fan, minimum 9 l/s	No works	Yes - no work required
Landing	Unhabitable Room	Adequate	No	No works	No works	No works
Bedroom 1	Habitable Room	Inadequate	No	No works	Yes - Replacement window requires minimum 4000mm^2 trickle vent	Yes - correction required
Bedroom 2	Habitable Room	Adequate	No	No works	Yes - Replacement window requires minimum 4000mm^2 trickle vent	Yes - no work required
Bedroom 3	Habitable Room	Adequate	No	No works	Yes - Replacement window requires minimum 4000mm^2 trickle vent	Yes - no work required
Bathroom	Wet Room	Adequate	No	New dMEV Fan, minimum 17 l/s	No works	Yes - no work required
Bedroom 4	Habitable Room	Adequate	No	No works	Yes - Replacement window requires minimum 4000mm^2 trickle vent	Yes - no work required
Landing 2	Unhabitable Room	Adequate	No	No works	No works	No works
Bedroom 5	Habitable Room	Adequate	No	No works	Yes - Replacement window requires minimum 4000mm^2 trickle vent	Yes - no work required

Ch.ID	Change Name	Date+Time

Issue ID	Transmittal Set Name	Checked By	Transmittal Set Date
P-03 9	Approved subject TBC	EN	19/9/24
P-03 64,9	Approved subject TBC	EN	17/9/24
P03 9	Approved subject TBC	EN	12/9/24
P-02 11 07	Approved to subject to Buildign Control	EN	11/7/24

Demolition/Adapation Risks

Refer to risk register

Construction Risks

Refer to risk register

Maintenance/Cleaning Risks

Refer to risk register

Safety Health and Environmental Information Box

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Client Equans

Project NHG SHDF Wave 2.1

Ventilation Strategy

Status Stage Approval Subject to Building Control - A1 -

Drawings Ventilation Strategy

Paper Size A3

Scales

File 7089_AT-11-M-UPDATED

Drawing Number

7089	CTS	60	9	L	A	41111

Revision P-03