

External wall/Cavity wall insulation tech survey



Property details

Address: 20 Wincombe Street		Post Code: M14 7Pj		Date: 15/01/2022	
Name:		Phone Number:		Name of Surveyor: Nationwide Drones	
Ownership Details:	Number of storeys:	Number Of Bedrooms: 2			
Build Type: House	Build Form: Mid Terrace	Floor Type: Suspended			
Main Construction: Solid brick as built			Build Date: 1930-1949		

DPC

Is a DPC present? Yes	Measurement above ground level: >150mm	Does Ground slope away from property: Yes
Ground around property?		

Access & Safety

Scaffolding Access: (1.5m) Yes	Are any obstacles to be considered when erecting scaffolding? No
Is permission required from the neighbour / third-party land owners for scaffolding? No	
Is there any suspected asbestos? No	
Is there a presence of protected species? i.e. bats, birds, butterflies, door mice, some plants... No	
General Compliance: planning consent, listed or other status requiring special permissions / requirements.	

EWI Works:

Pipe work fixed to Walls: Yes	Water: 15	Gas: 2	Condense pipe work: 1	Blow off: 1
Satellite Dishes: 1	Alarms: 2	Ext Taps: 1	Lights: 1	CCTV: BT Phone line:
SV Pipe Type: Plastic		Does the SVP penetrate through the roof? No		RWP: Cast
Waste Pipes: Plastic		Air Vents: 5	Conservatory: No	Hor. Boiler Flue: Yes - requires extending
Fence Posts:		Sills: 90mm	Window Reveals: 50mm	Door Reveals: 80mm
230V Socket:		Roof Verges / Soffits: (will they accept the insulation thickness?)		Yes - 150mm
Features: e.g. raised bands, soldier courses, quoins and other decorative features?				None

Additional Comments:

Measurements Summary

Gross EWI wall area: 57.74 m2	Nett EWI wall area: 42.62 m2	% of building to be insulated: 100.00%
Gross CWI wall area: m2	Nett CWI wall area: m2	% of building to be insulated:
Alley Width: m2		

3D model Available on the NaVvis IVION Platform <https://vlxnationwidedrones.iv.navvis.com/> Measurements and full 360 available

Measurements

Front Elevation - Solid Gross Area

Wall Type	Wall Element Id	Base Constraint	Top Constraint	Length	Height	Area
Exterior Solid Wall - 275	674292	01_Ground Floor	02_First Floor	1379	2784	3.31
Exterior Solid Wall - 315	674307	01_Ground Floor	02_First Floor	733	2519	1.76
Exterior Solid Wall - 250	674346	01_Ground Floor	02_First Floor	417	2974	0.29
Exterior Solid Wall - 255	680272	01_Ground Floor	02_First Floor	1295	2974	3.54
Exterior Solid Wall - 250	681898	01_Ground Floor	02_First Floor	698	2784	1.26
Exterior Solid Wall - 275	683108	01_Ground Floor	02_First Floor	692	3073	1.22
Exterior Solid Wall - 250	688930	02_First Floor	03_Attic Level	1283	3020	2.84
Exterior Solid Wall - 250	689046	02_First Floor	03_Attic Level	2763	3020	7.16
Exterior Solid Wall - 250	712343	03_Attic Level	04_Ridge Level	3193	1744	2.71

Total = 24.09

Front Elevation - Solid Nett Area

Wall Type	Wall Element Id	Door	Window	Window								
Exterior Solid Wall - 275	674292	-	1.75	-								1.75
Exterior Solid Wall - 255	680272	1.86	0.40	-								2.26
Exterior Solid Wall - 250	681898	-	0.65	-								0.65
Exterior Solid Wall - 275	683108	-	0.70	-								0.70
Exterior Solid Wall - 250	689046	-	1.98	-								1.98

Total = 16.75

Side Elevation - Solid Gross Area

Wall Type	Wall Element Id	Base Constraint	Top Constraint	Length	Height	Area
Exterior Solid Wall - 315	674295	01_Ground Floor	02_First Floor	3113	2519	6.19
Exterior Solid Wall -300	674325	01_Ground Floor	02_First Floor	2061	2554	4.96
Exterior Solid Wall - 250	674349	02_First Floor	02_First Floor	312	2974	0.57
Exterior Solid Wall - 285	683106	01_Ground Floor	02_First Floor	57	2974	0.13
Exterior Solid Wall -300	690051	03_Attic Level	03_Attic Level	497	3197	-0.34
Exterior Solid Wall -300	765503	02_First Floor	03_Attic Level	1227	2742	2.16
Exterior Solid Wall -300	765601		03_Attic Level	600	2996	1.81

Total = 15.48

Side Elevation - Solid Nett Area

Wall Type	Wall Element Id	Door	Window	Window								
Exterior Solid Wall - 315	674295	-	1.18	-								1.18
Exterior Solid Wall -300	674325	1.64	-	-								1.64
Exterior Solid Wall -300	765601	-	0.80	-								0.80

Total = 11.85

Rear Elevation - Solid Gross Area

Wall Type	Wall Element Id	Base Constraint	Top Constraint	Length	Height	Area
Exterior Solid Wall - 250	674304	01_Ground Floor	02_First Floor	2887	2519	5.19
Exterior Solid Wall - 280	674313	01_Ground Floor	02_First Floor	1791	2974	4.87
Exterior Solid Wall - 250	674387	02_First Floor	03_Attic Level	2145	2221	3.33
Exterior Solid Wall - 280	688787	02_First Floor	03_Attic Level	1801	2745	4.79

Total = 18.18

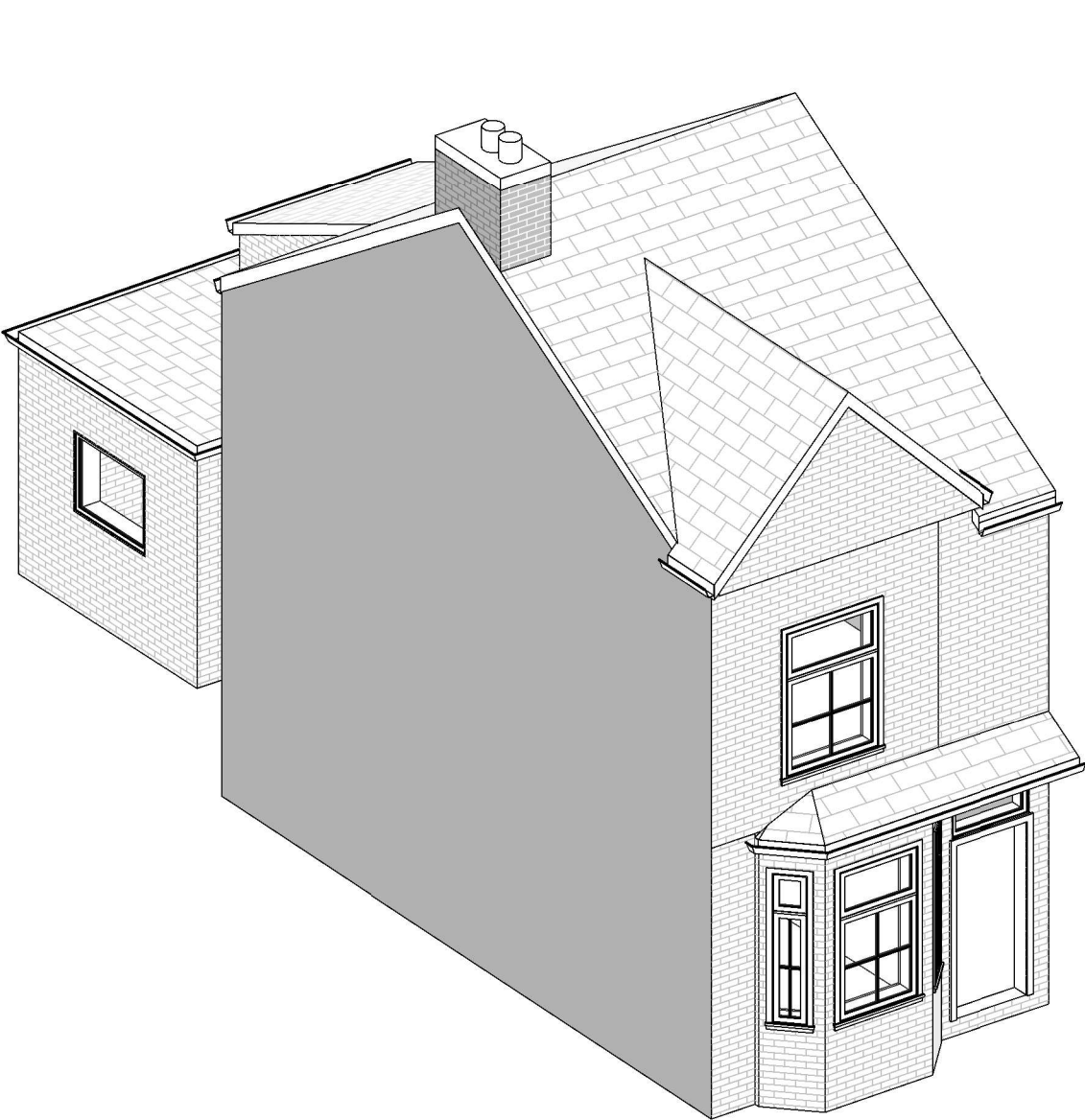
Rear Elevation - Solid Nett Area

Wall Type	Wall Element Id	Door	Window	Window								
Exterior Solid Wall - 280	674313	-	2.25	-								2.25
Exterior Solid Wall - 280	688787	-	1.91	-								1.91

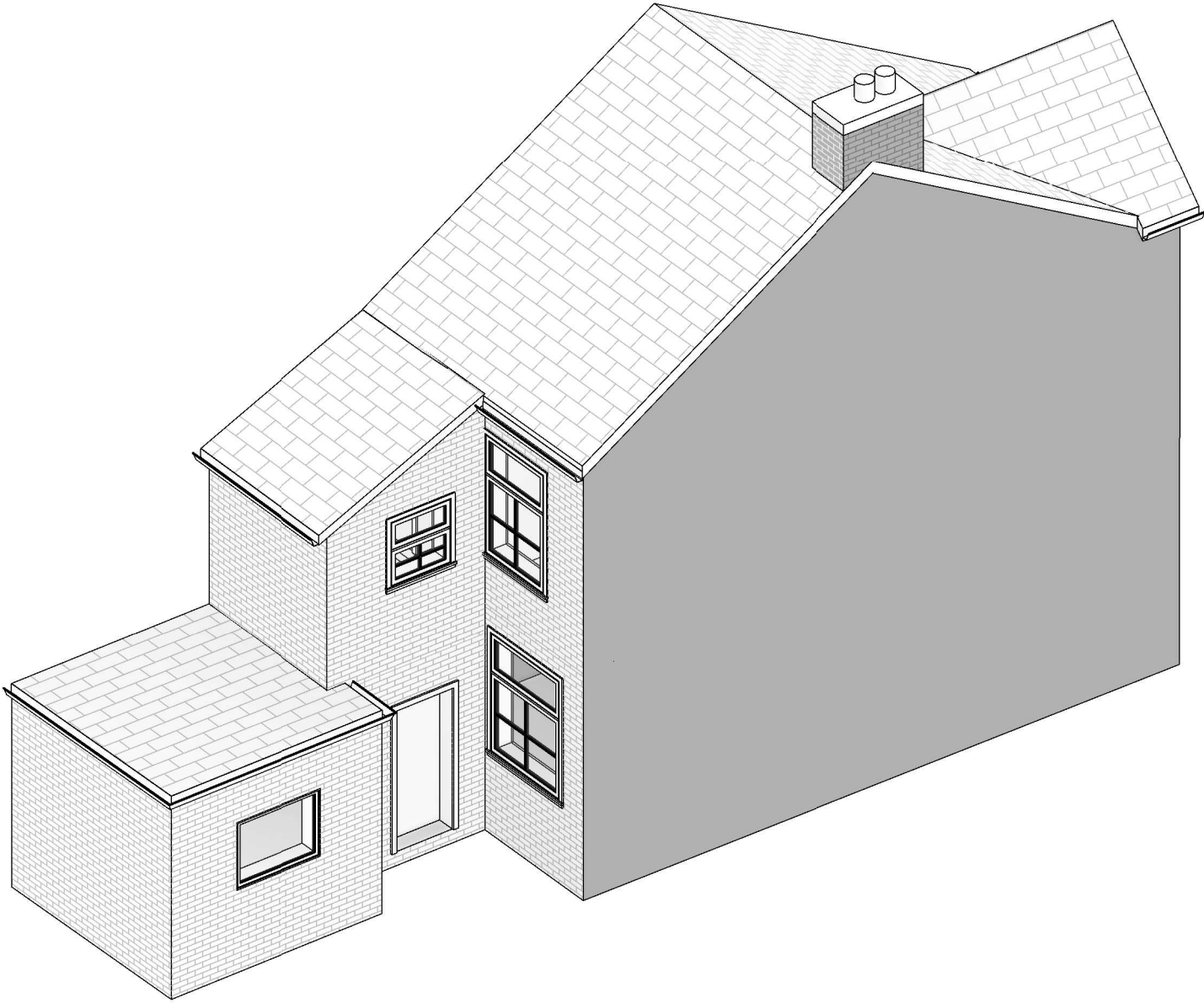
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WALL TYPE LEGENDS

	Common Solid Wall Construction
	Cavity Wall Construction
	Exterior Solid Wall Construction
	Alley Solid Wall Construction



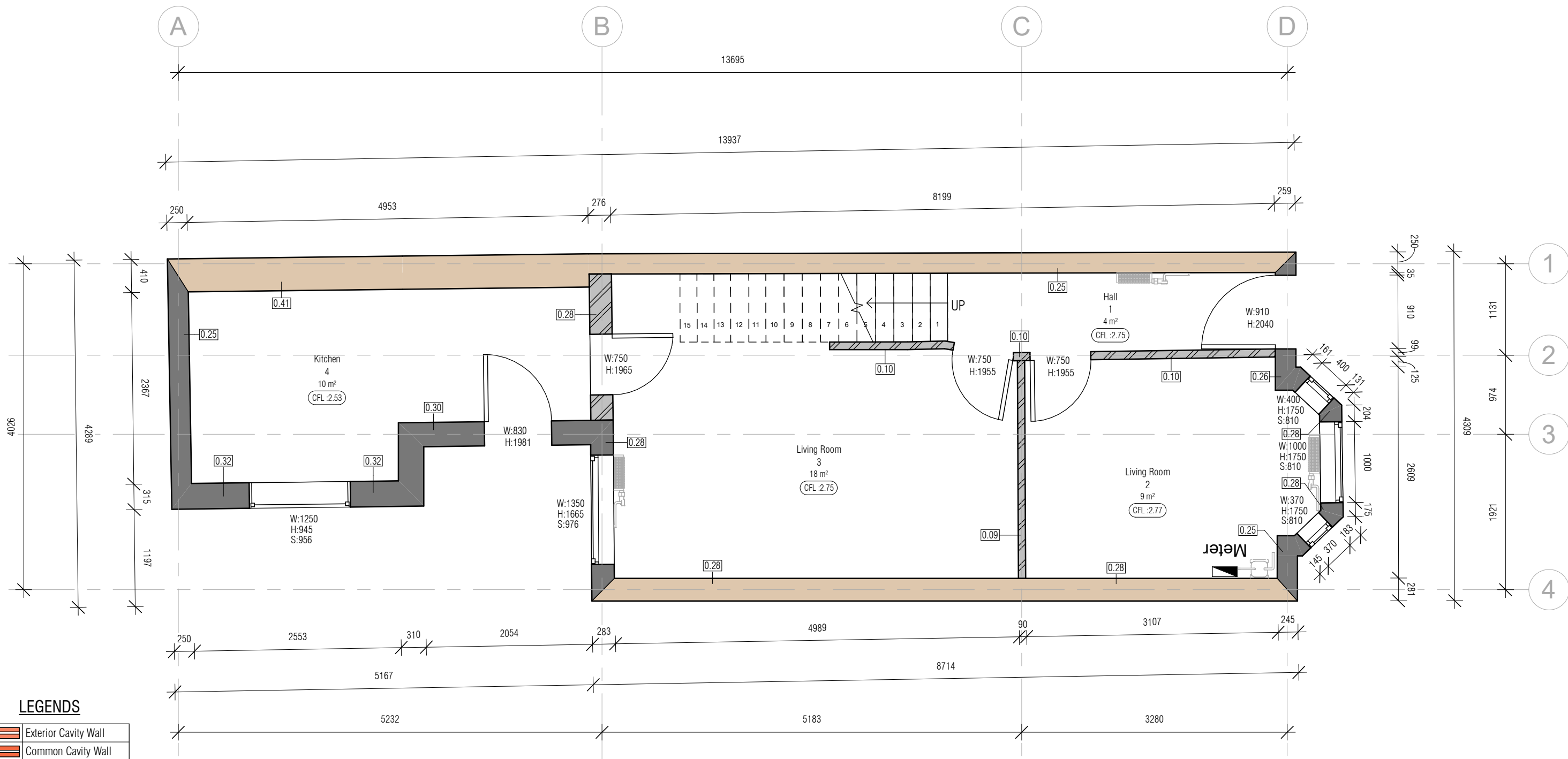
1 3D VIEW_1



2 3D VIEW_2

No.	Description	Date

Nationwide Drones info@nationwidedrones.co.uk 0117 990 2880	Project	20 Wincombe Street		Client :  E.ON	
	Postal code	M14 7PJ			
	Sheet	3D View		Date 01-10-2022	Project Number
				Drawn By	Checked By Danny Mackeown
				Scale (@ A3) 1 : 1	
				Drawing Number A01	
				REV	



LEGENDS

	Exterior Cavity Wall
	Common Cavity Wall
	Exterior Solid Wall
	Common Solid Wall
	Interior Wall Cut
	Alley Solid Wall
	Gypsum-Plaster
	Earth Filling
	Finish Floor Level
	Ceiling Finish Level
	Width
	Height
	Sill Height
	Head Height

1 GROUND FLOOR PLAN

1 : 50

No.	Description	Date

Nationwide Drones

info@nationwidedrones.co.uk
0117 990 2880

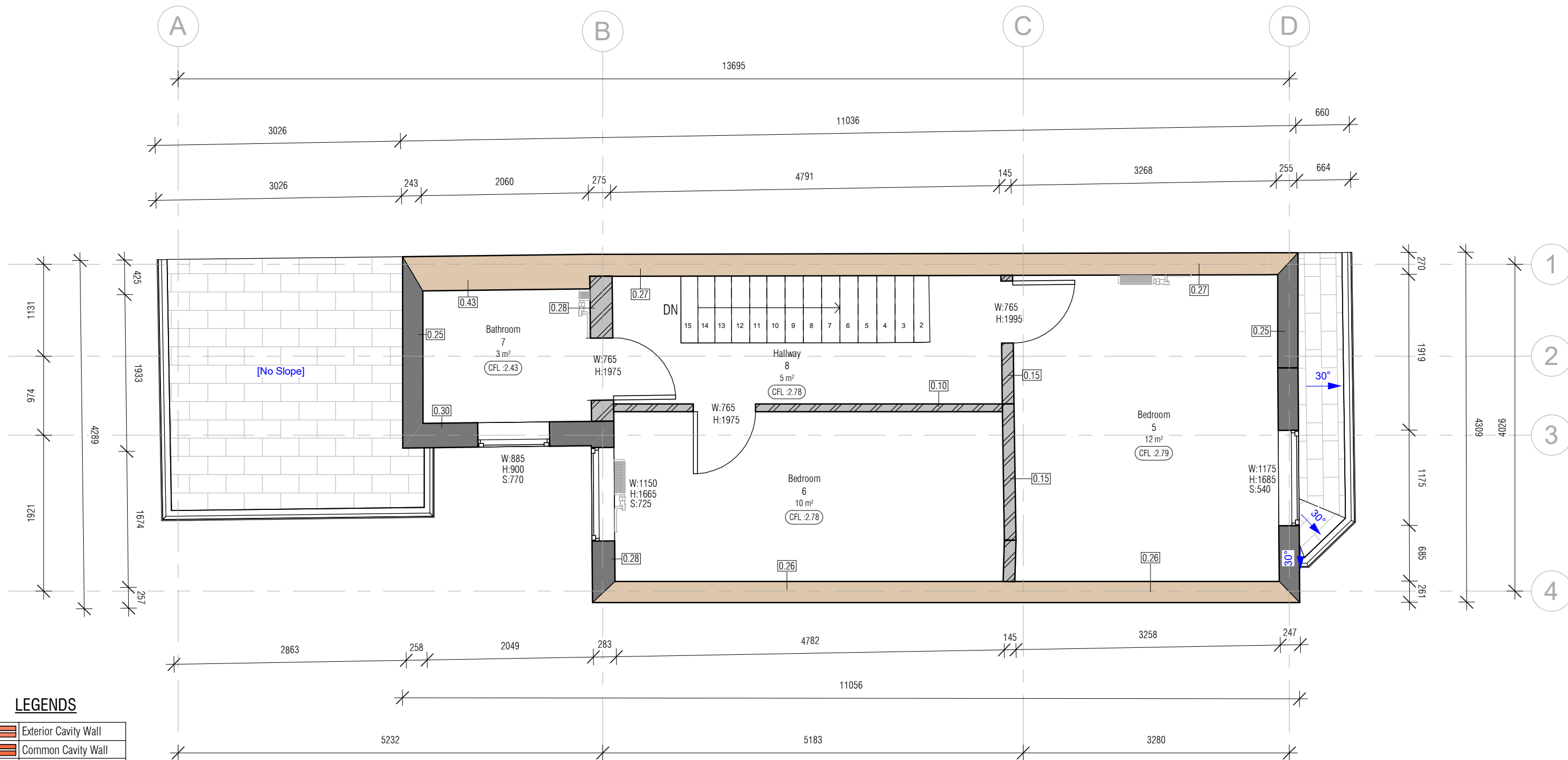
Project **20 Wincombe Street**

Postal code **M14 7PJ**

Sheet **Ground Floor Plan**

Client : **e.on** E.ON

Date 01-10-2022	Project Number	Scale (@ A3) As indicated	REV
Drawn By	Checked By Danny Mackeown	Drawing Number A02	



LEGENDS

	Exterior Cavity Wall
	Common Cavity Wall
	Exterior Solid Wall
	Common Solid Wall
	Interior Wall Cut
	Gypsum-Plaster
	Earth Filling
FFL	Finish Floor Level
CFL	Ceiling Finish Level
W	Width
H	Height
SH	Sill Height
HH	Head Height

1 FIRST FLOOR PLAN

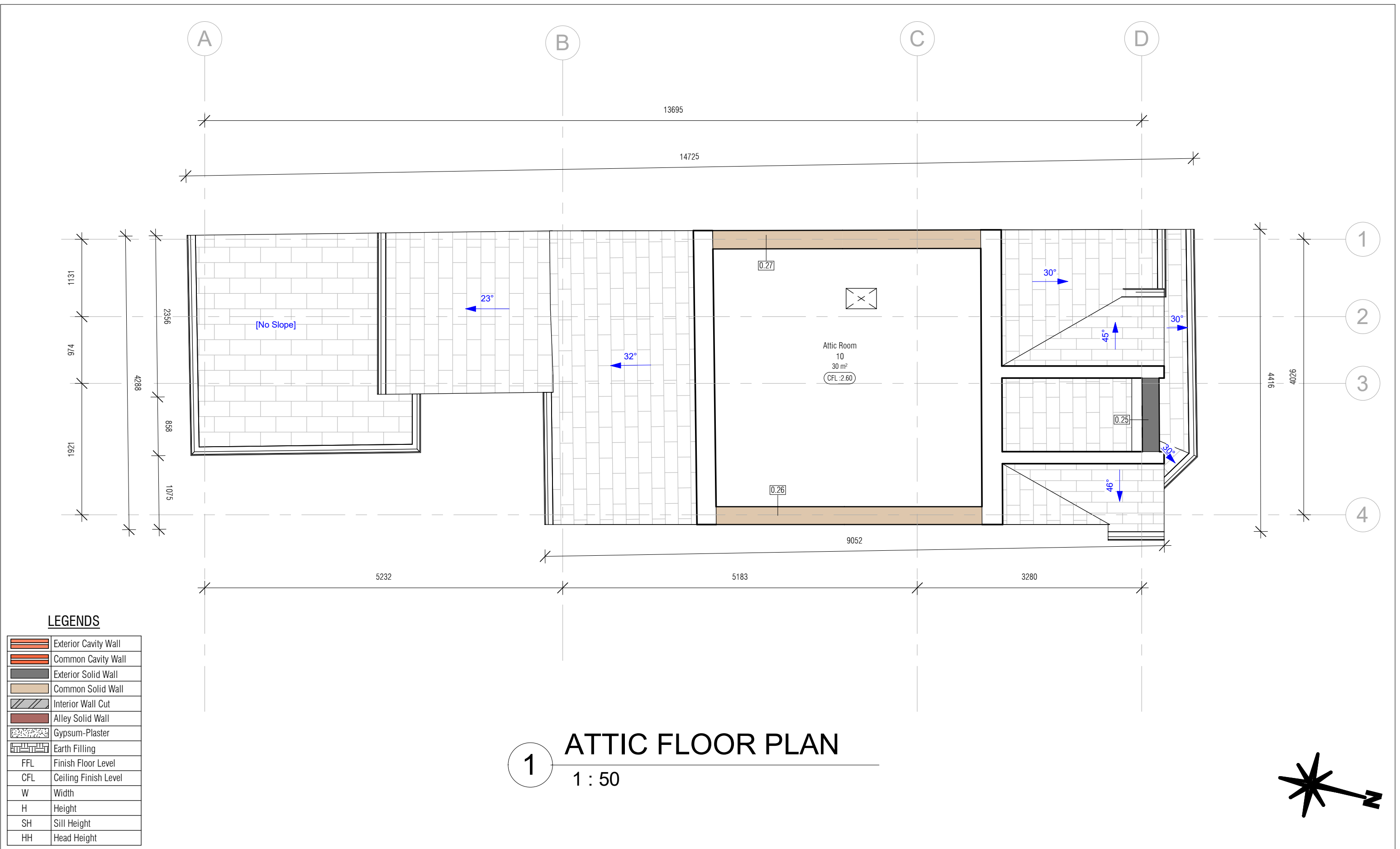
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No.	Description	Date

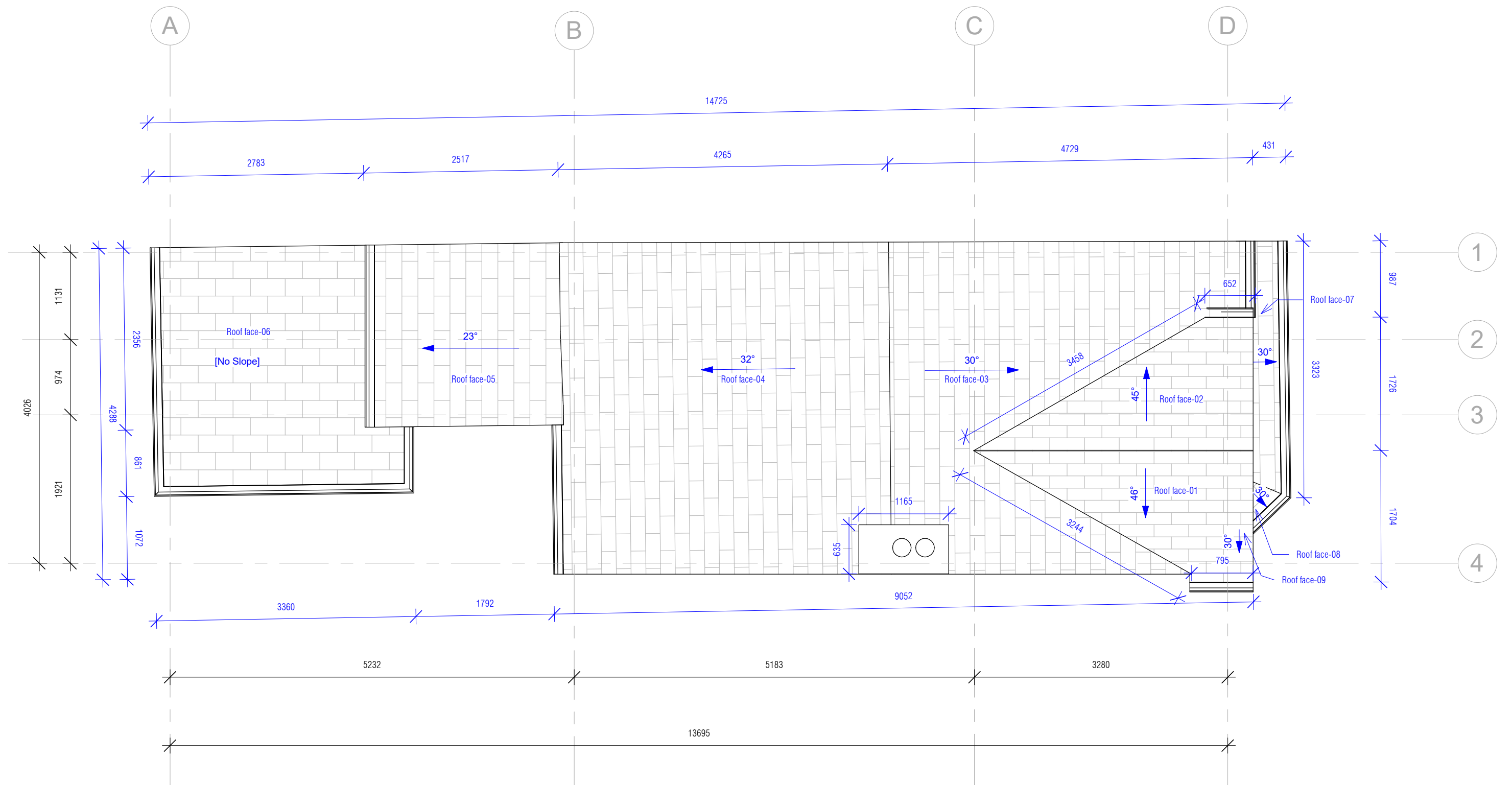
Nationwide Drones
info@nationwidedrones.co.uk
0117 990 2880

Project **20 Wincombe Street**
Postal code **M14 7PJ**
Sheet **First Floor Plan**

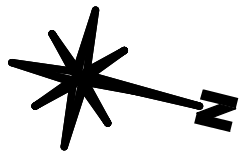
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Date 01-10-2022	Project Number	Scale (@ A3) As indicated	REV
Drawn By	Checked By Danny Mackeown	Drawing Number A03	



No.	Description	Date	Nationwide Drones info@nationwidedrones.co.uk 0117 990 2880		Project	20 Wincombe Street		Client :  E.ON			
					Postal code	M14 7PJ					
					Sheet	Attic Floor Plan		Date 01-10-2022	Project Number	Scale (@ A3) As indicated	REV
								Drawn By	Checked By Danny Mackeown	Drawing Number A04	



1 ROOF PLAN
1 : 50

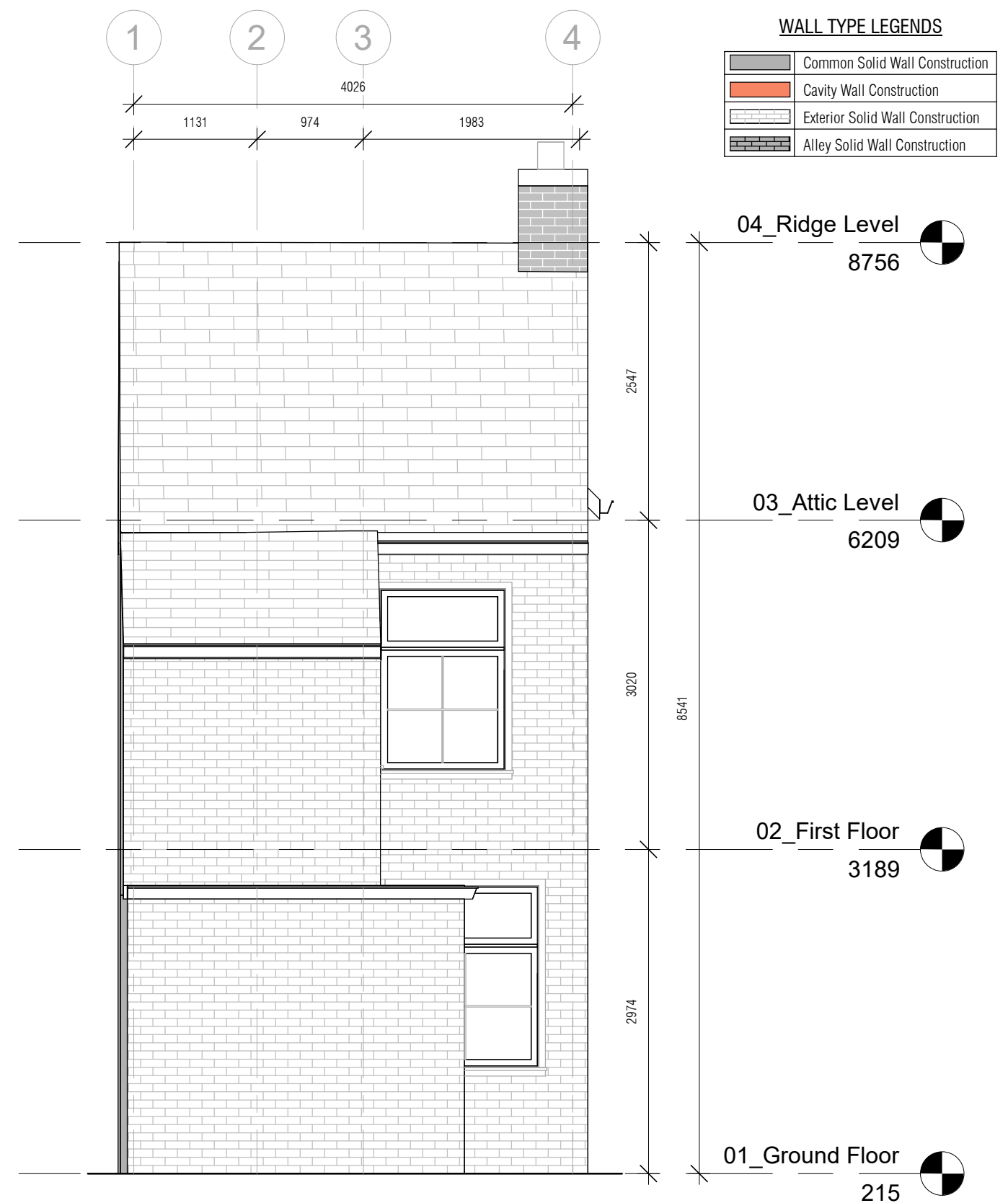


No.	Description	Date

Nationwide Drones info@nationwidedrones.co.uk 0117 990 2880	Project 20 Wincombe Street	Client : e.on E.ON	
	Postal code M14 7PJ		
Sheet Roof Plan	Date 01-10-2022	Project Number	Scale (@ A3) As indicated
	Drawn By	Checked By Danny Mackeown	Drawing Number A05
		REV	



1 FRONT ELEVATION
1 : 50



2 REAR ELEVATION
1 : 50

WALL TYPE LEGENDS	
	Common Solid Wall Construction
	Cavity Wall Construction
	Exterior Solid Wall Construction
	Alley Solid Wall Construction

No.	Description	Date

Nationwide Drones

info@nationwidedrones.co.uk
0117 990 2880

Project **20 Wincombe Street**

Postal code **M14 7PJ**

Sheet **Elevations**

Client : **e.on** E.ON

Date 01-10-2022	Project Number	Scale (@ A3) As indicated	REV
Drawn By	Checked By Danny Mackeown	Drawing Number A06	



1 LEFT ELEVATION
1 : 50

No.	Description	Date

Nationwide Drones info@nationwidedrones.co.uk 0117 990 2880	Project 20 Wincombe Street		Client :  E.ON	
	Postal code M14 7PJ			
	Sheet Elevations			
Date 01-10-2022		Project Number	Scale (@ A3)	REV
Drawn By		Checked By	Drawing Number	
		Danny Mackeown	A07	