

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:
SV Pipe Type: Plastic		Does the SVP penetrate through the roof? No	RWP:	BT Phone line: 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

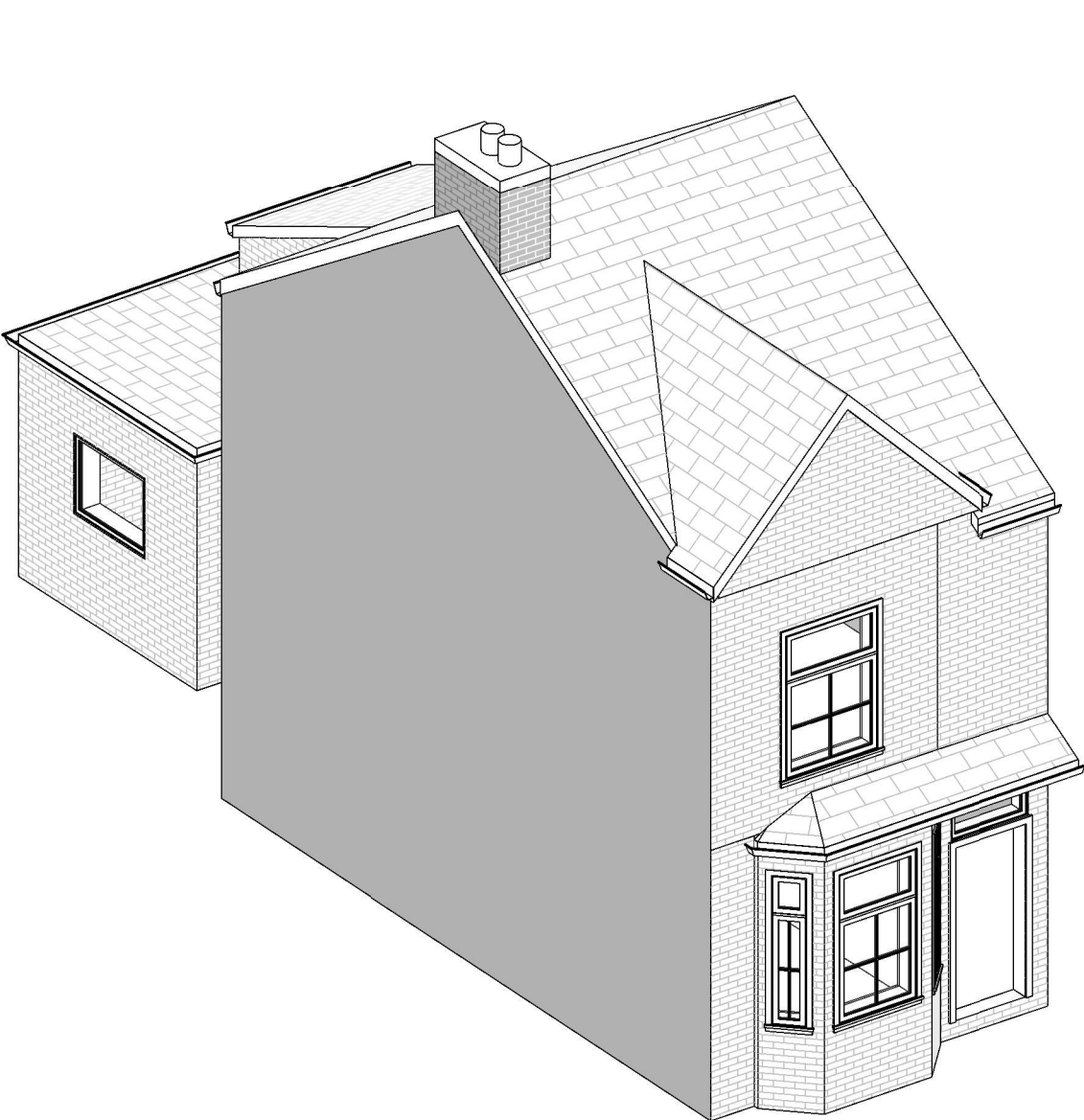
Rear Elevation - Solid Nett Area

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

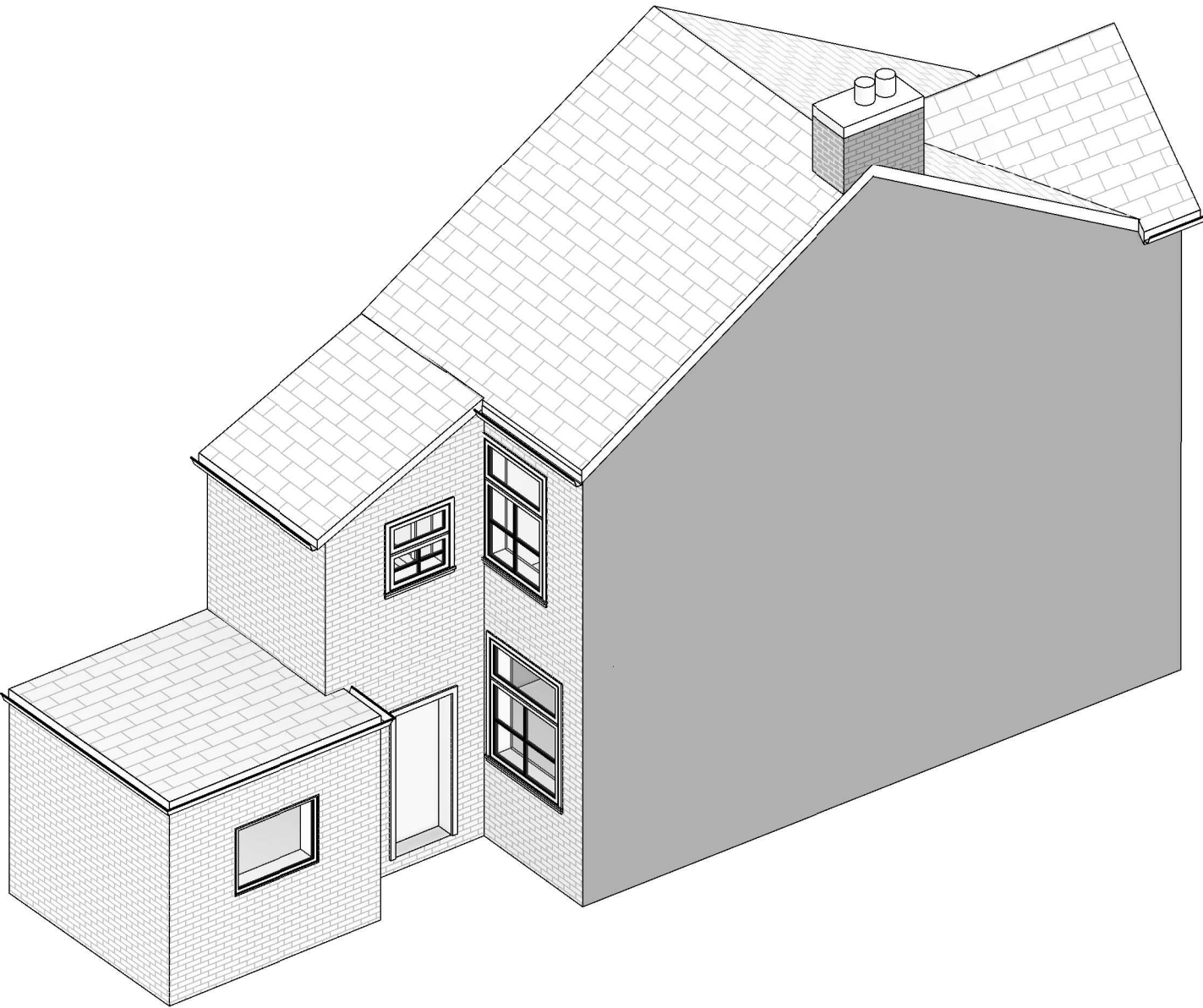
Total = 14.02

WALL TYPE LEGENDS

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



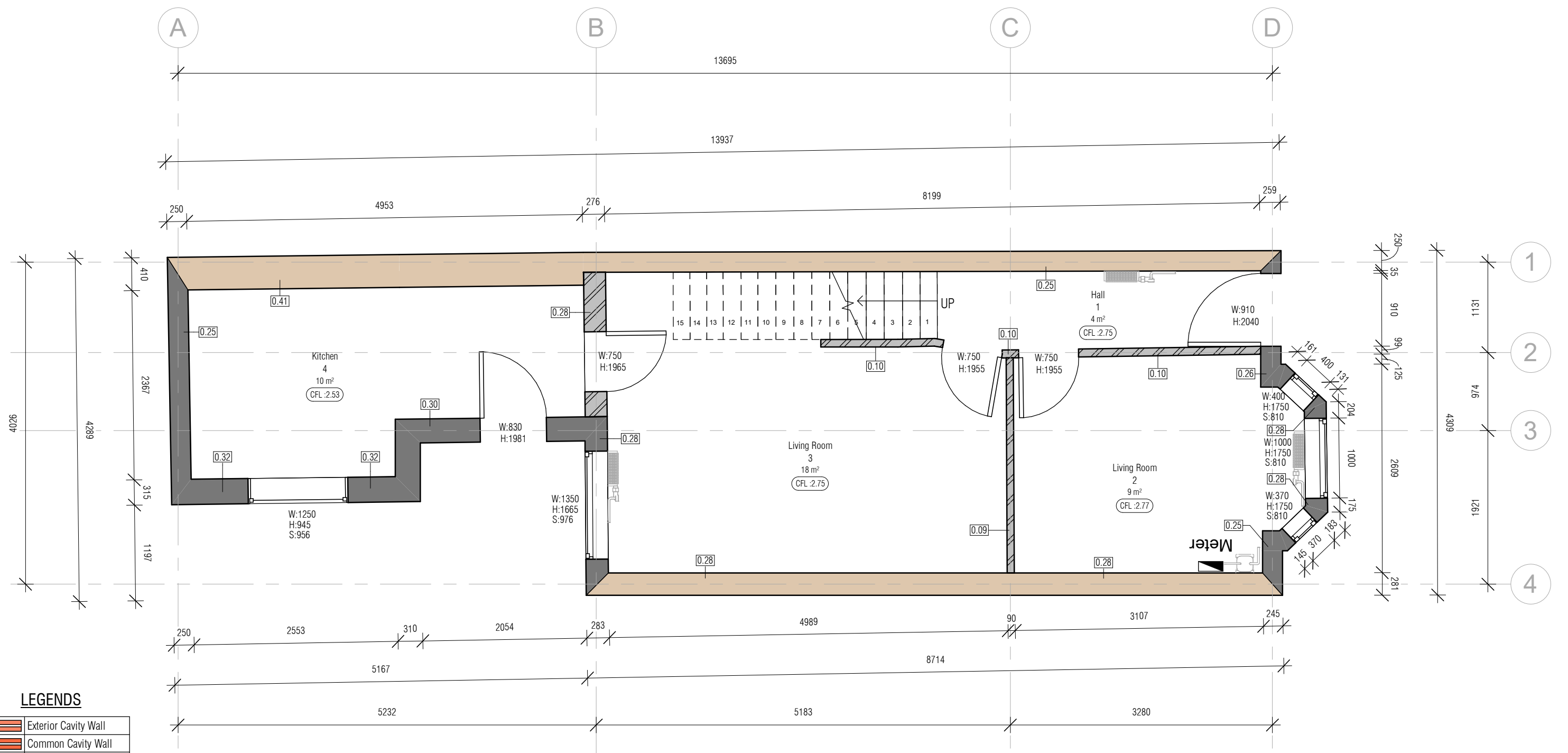
1 3D VIEW_1



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	

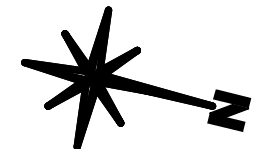


LEGENDS

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

1 GROUND FLOOR PLAN

1 : 50



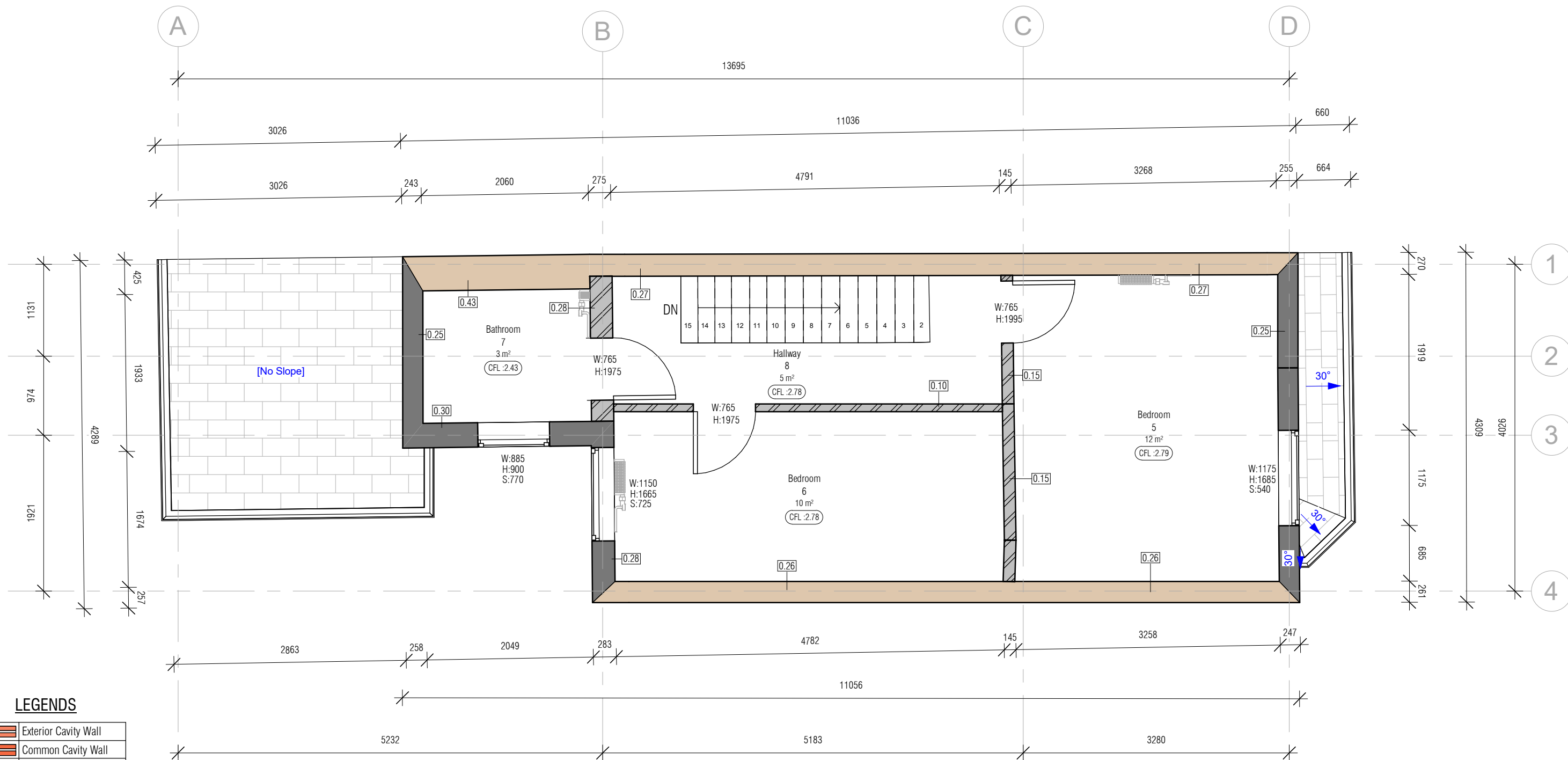
No.	Description	Date

Nationwide Drones

info@nationwidedrones.co.uk
0117 990 2880

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

Client :  E.ON			
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

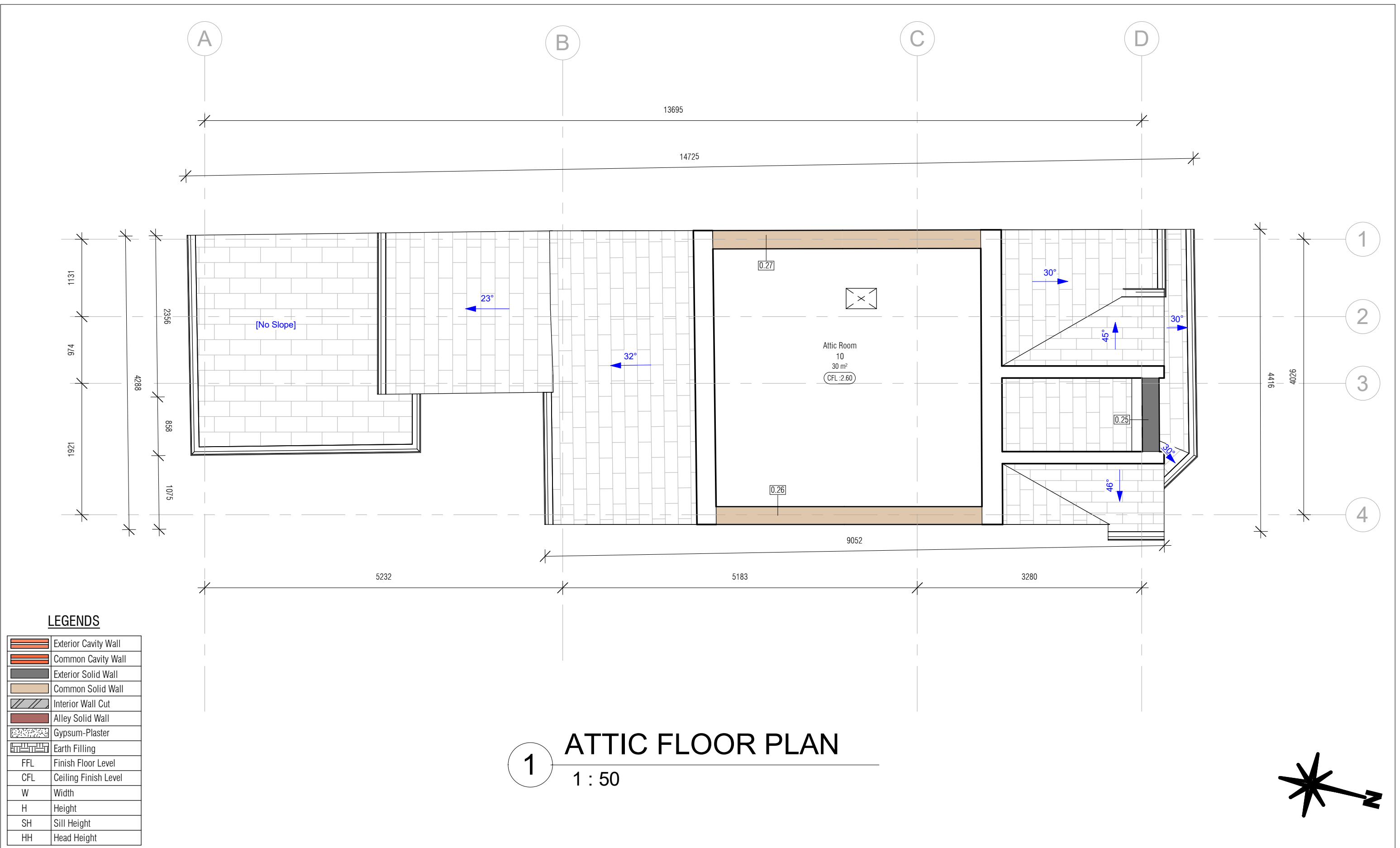
1 : 50

No.	Description	Date

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

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

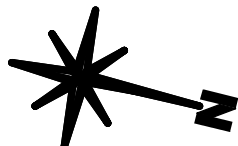
Client : e.on E.ON			
Date 01-10-2022	Project Number	Scale (@ A3) As indicated	REV
Drawn By	Checked By Danny Mackeown	Drawing Number A03	



LEGENDS

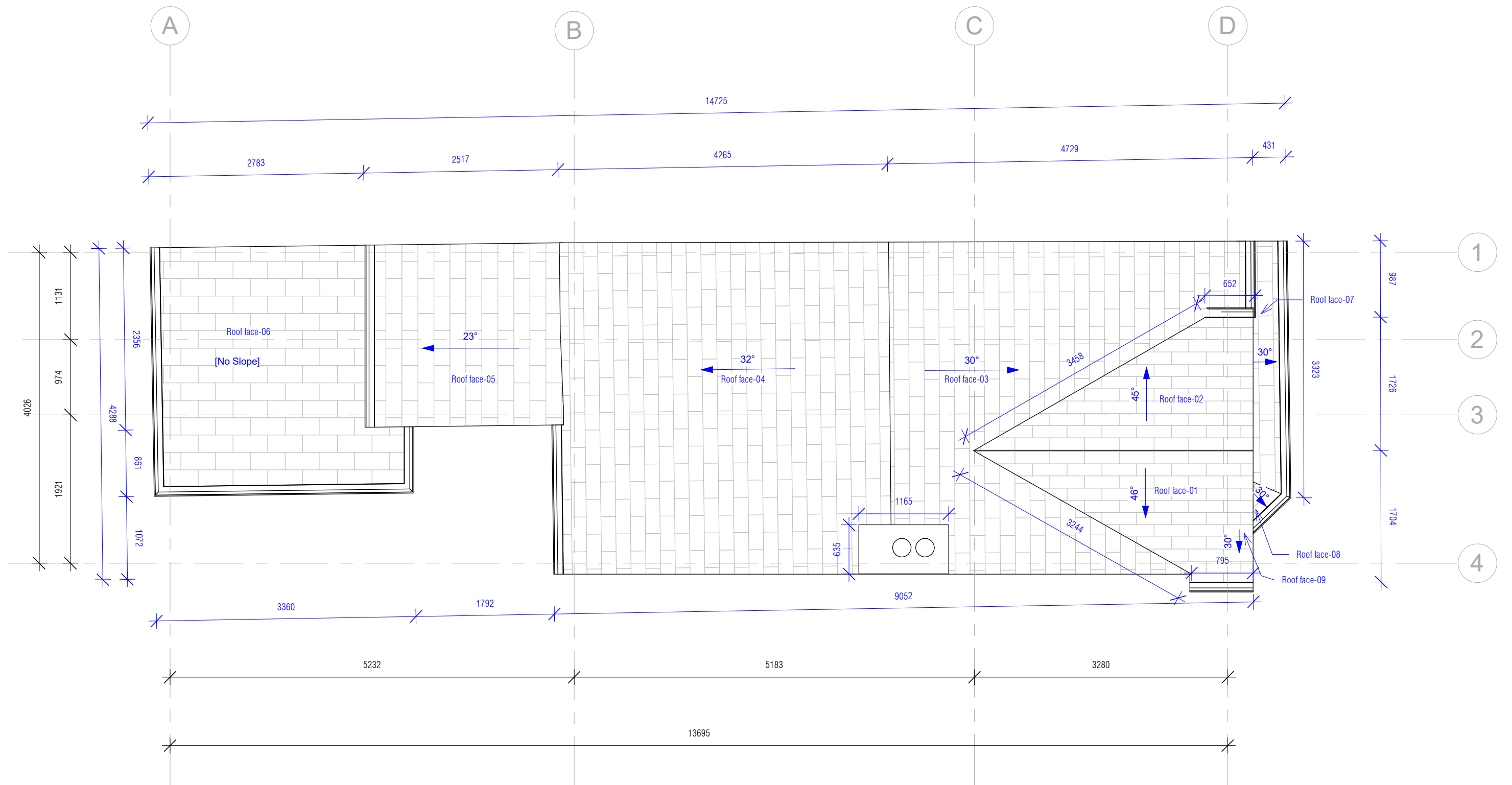
	Exterior Cavity Wall
	Common Cavity Wall
	Exterior Solid Wall
	Common Solid Wall
	Interior Wall Cut
	Alley Solid Wall
	Gypsum-Plaster
	Earth Filling
FFL	Finish Floor Level
CFL	Ceiling Finish Level
W	Width
H	Height
SH	Sill Height
HH	Head Height

1 ATTIC FLOOR PLAN
1 : 50



No.	Description	Date

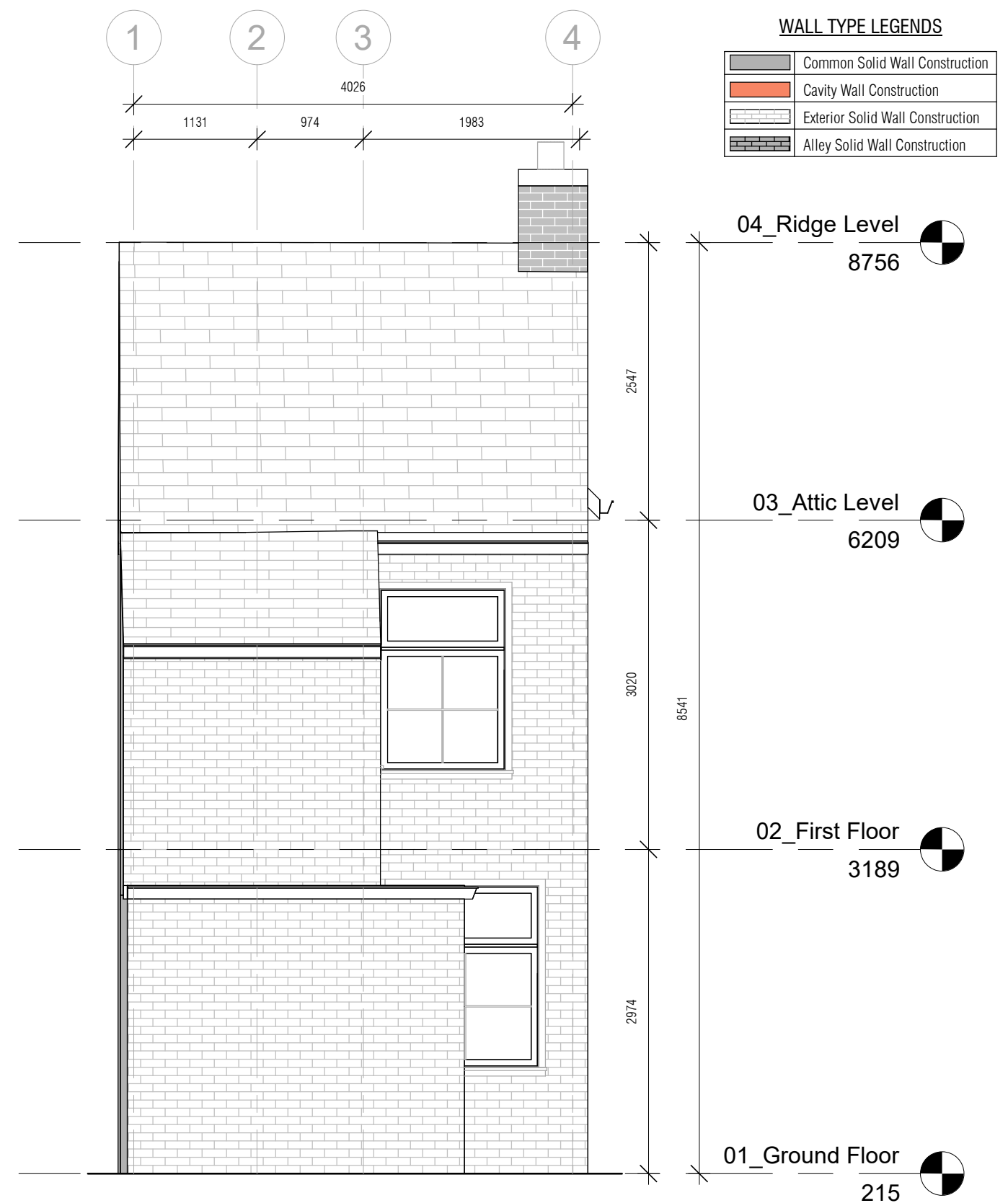
 Nationwide Drones info@nationwidedrones.co.uk 0117 990 2880	Project 20 Wincombe Street	Client : E.ON	
	Postal code M14 7PJ	Date 01-10-2022	
Sheet Attic Floor Plan		Project Number	Scale (@ A3)
		Checked By Danny Mackeown	As indicated
		Drawing Number A04	REV



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	



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

1 FRONT ELEVATION
1 : 50

2 REAR ELEVATION
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	Elevations	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 E.ON	
	Postal code	M14 7PJ			
	Sheet	Elevations			
		Date 01-10-2022	Project Number	Scale (@ A3) As indicated	REV
		Drawn By	Checked By Danny Mackeown	Drawing Number A07	