



 <b>CRAWFORD PARTNERSHIP</b> Architecture & Interior Design  a. 1a Muswell Hill London, N10 3TH t. 0208 444 2070 w. crawfordpartnership.co.uk	<b>Proposed First Floor</b>		SCALE: 1:50 @ A3	REV:	Updated:		<b>NOTES:</b> Report all errors and discrepancies promptly to architects before proceeding with the works. Do not scale from drawing. Figured dimensions to be worked to in all cases. The contractor is responsible for checking dimensions, tolerances and references. All structural information to be taken from the structural engineer's drawings.
	PROJECT: 51 Alma Street, NW5 3DH		CLIENT: Isabel Berwick				
	DRAWING NO.: 201		STATUS: Planning				
	DRAWN: AK						






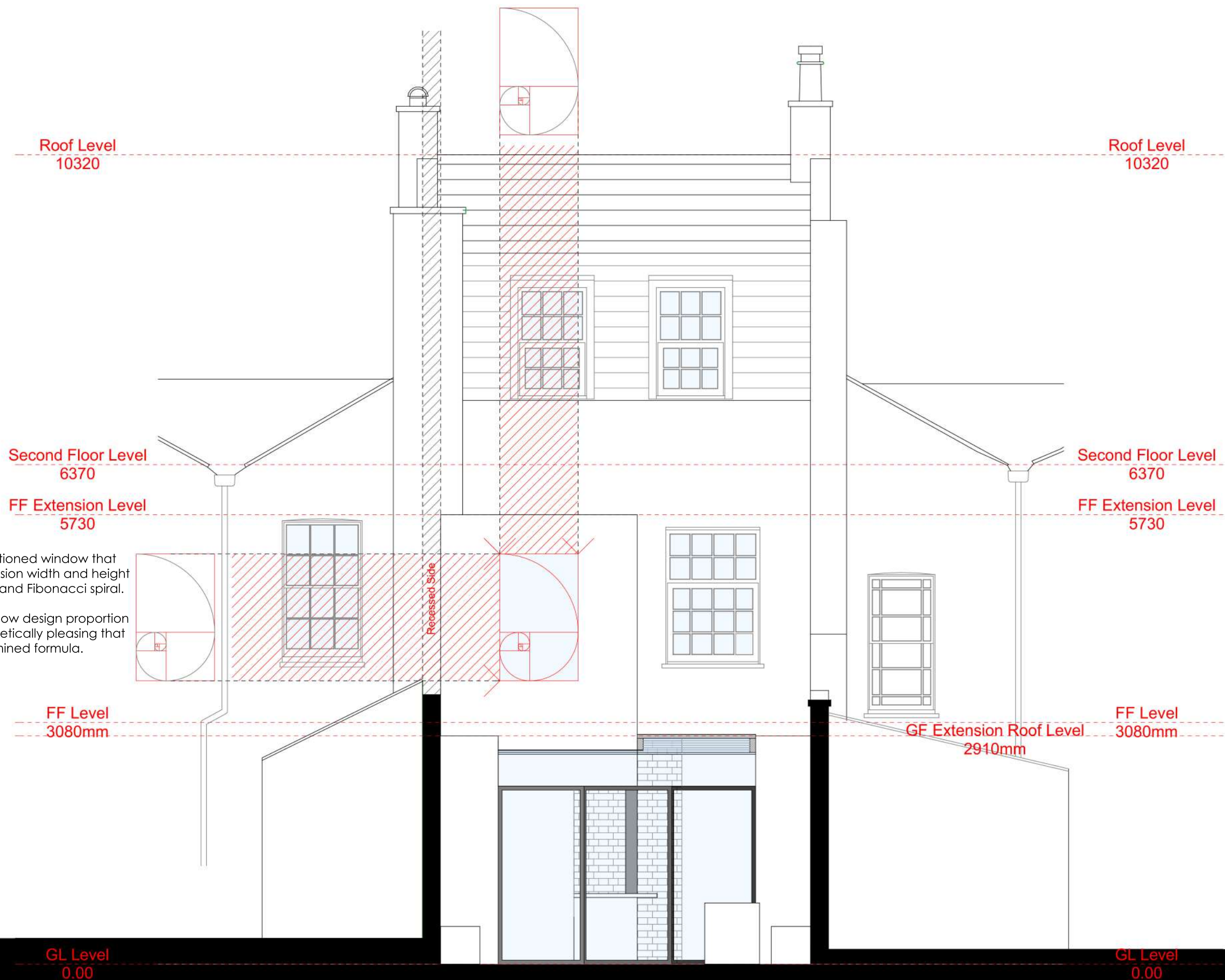
 <b>CRAWFORD PARTNERSHIP</b>	Architecture & Interior Design	<b>Proposed Second Floor Plan</b>		SCALE:	1:50 @ A3	REV:	Updated:		<b>NOTES:</b> Report all errors and discrepancies promptly to architects before proceeding with the works. Do not scale from drawing. Figured dimensions to be worked to in all cases. The contractor is responsible for checking dimensions, tolerances and references. All structural information to be taken from the structural engineer's drawings.
	a. 1a Muswell Hill London, N10 3TH t. 0208 444 2070 w. crawfordpartnership.co.uk	PROJECT: 51 Alma Street, NW5 3DH	CLIENT: Isabel Berwick						
		DRAWING NO.: 202	STATUS: Planning						
		DRAWN: AK	CHECKED: AC	DATE: 03 April 2019					





 <div>Architecture &amp; Interior Design  a. 1a Muswell Hill London, N10 3TH t. 0208 444 2070 w. crawfordpartnership.co.uk</div>	<b>Proposed Rear Elevation</b>		SCALE: 1:50 @ A3	REV:  Updated:		<b>NOTES:</b> Report all errors and discrepancies promptly to architects before proceeding with the works. Do not scale from drawing. Figured dimensions to be worked to in all cases. The contractor is responsible for checking dimensions, tolerances and references. All structural information to be taken from the structural engineer's drawings.
	PROJECT: 51 Alma Street, NW5 3DH	CLIENT: Isabel Berwick				
	DRAWING NO.: 204	STATUS: Planning				
	DRAWN: AK	CHECKED: AC	DATE: 03 April 2019			






In order to create a well proportioned window that compliments the first floor extension width and height we have used the golden ratio and Fibonacci spiral.

This has provided us with a window design proportion that is well balanced and aesthetically pleasing that is based on an extensively examined formula.



 <div>Architecture &amp; Interior Design  a. 1a Muswell Hill London, N10 3TH t. 0208 444 2070 w. crawfordpartnership.co.uk</div>	<b>BRE 45 Degree Rule</b>		SCALE: 1:50 @ A3	REV:	<b>NOTES:</b> Report all errors and discrepancies promptly to architects before proceeding with the works. Do not scale from drawing. Figured dimensions to be worked to in all cases. The contractor is responsible for checking dimensions, tolerances and references. All structural information to be taken from the structural engineer's drawings.
	PROJECT: 51 Alma Street, NW5 3DH	CLIENT: Isabel Berwick	Updated:		
	DRAWING NO.: 210	STATUS: Planning			
	DRAWN: AK	CHECKED: AC		DATE: 03 April 2019	



5.02 | Daylight and Shadowing Analysis

The diagrams on the side represent the sunlight and shadowing impact as existing on a seasonal basis taken at three separate times during the day:

Morning at 9:00, Midday 12:00 and Afternoon at 16:00 with the exception of the Winter Solstice afternoon which is taken at 14:00 due to early sunset.

Summer Solstice  
21 June



Equinox  
21 March



Winter Solstice  
22 December



Morning 09:00



Morning 09:00



Morning 09:00



Midday 12:00



Midday 12:00



Midday 12:00



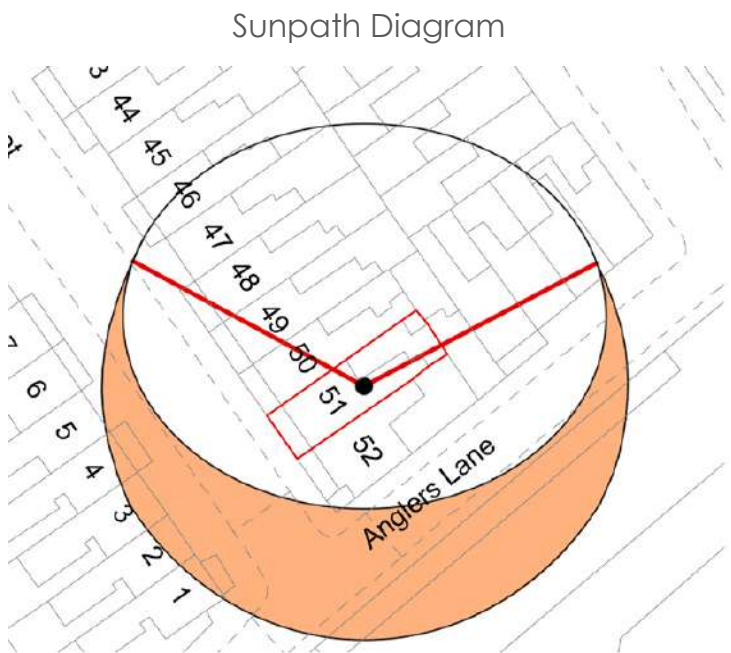
Afternoon 16:00



Afternoon 16:00



Afternoon 14:00

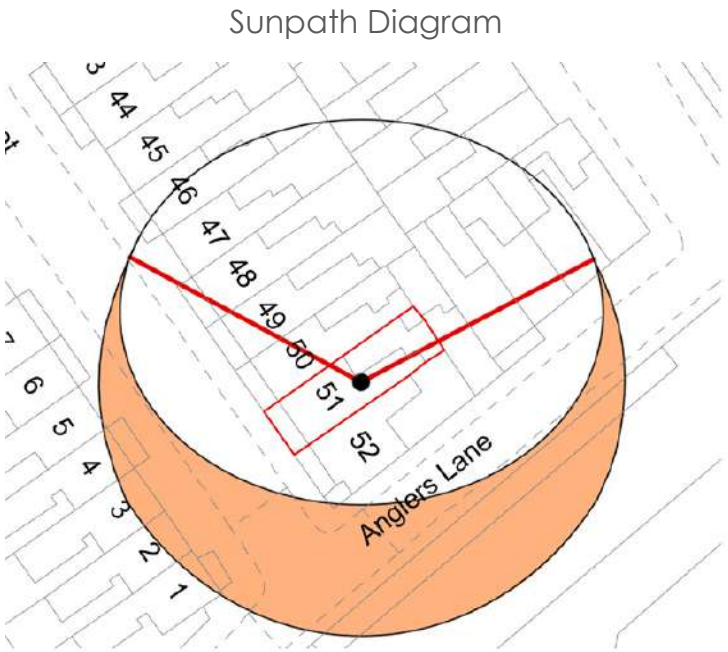




The diagrams on this page represent the sunlight and shadowing impact of the proposed extensions on a seasonal basis taken at three separate times during the day:

Morning at 9:00, Midday 12:00 and Afternoon at 16:00 with the exception of the Winter Solstice afternoon which is taken at 14:00 due to early sunset.

As shown in the daylight and shadowing analysis diagrams, with the movement of the sun throughout the day from sunrise to sunset relative to the application property which faces North West on Alma Street, the proposed massing of the ground and first floor extension will have no adverse impact on the adjacent properties at the rear of the houses, with the natural daylight received remaining largely as existing and with little or no added overshadowing to neighbouring dwellings.



**Summer Solstice**  
21 June



Morning 09:00



Midday 12:00



Afternoon 16:00

**Equinox**  
21 March



Morning 09:00



Midday 12:00



Afternoon 16:00

**Winter Solstice**  
22 December



Morning 09:00



Midday 12:00



Afternoon 14:00