

Deeley Road

Description
General information

Client: Wandsworth Design Service
Architect: Arch. Jason Tait
Area: 2,154m²
Location: Deeley Road, Wandsworth council
Reference number: GT055

Consulting jobs

- Code for Sustainable Homes Assessment (CSH)
- Standard Assessment Procedure (SAP)
- Energy Strategy report / studies
- Renewable Energy Feasibility studies
- Daylighting calculations

Sustainable evaluation

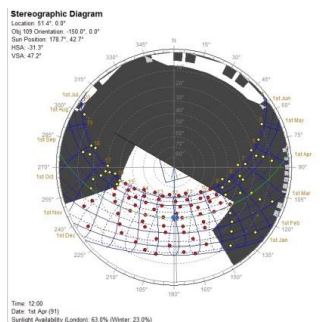
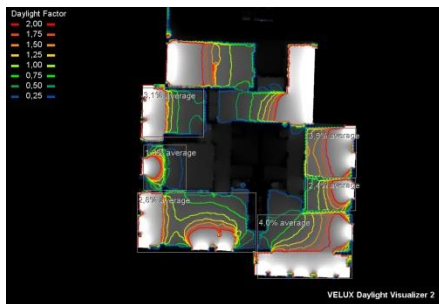
The project is certifying for a **CODE 4 for the Code for Sustainable Homes scheme**. The **energy strategy** for the proposed scheme is to use a highly efficient gas boiler alongside advanced energy efficiency measures and a 113 m² solar Photovoltaic array to meet the carbon emissions reductions target set by Wandsworth Council.

The proposal is to insulate the building to best practice standards, surpassing Part L requirements. The thermal performance targets of the dwelling are the following: U-Values of 0.14 W/m²K for the ground floor and roof, 0.18 W/m²K for walls and windows of 1.3 W/m²K. An air permeability of 3 m³/m²/hr. at 50 pa is targeted, and to be achieved on site.

Thermal bridging will also be kept to a minimum with an average Y-value of 0.08, thus following accredited construction details for all dwellings as a minimum.

A mechanical ventilation system with heat recovery (MVHR) will be implemented in the dwelling, recycling heat that would otherwise be lost. This ventilation system will meet the requirements of Part F.

The **Daylight calculations** (ADF) reports that the Kitchens area achieves a minimum average daylight factor of more than 2%, and the living rooms, dining room and studies achieve a minimum average daylight factor of more than 1.5%. Also that the surrounding buildings have not been affected by the projected shadow of the new building. Likewise the Sunlight calculations (APSH) are that ever flat for this development meets the requirements recommended by BRE, having 5% of sunlight hours on winter months and 25% of the entire year.



Code for Sustainable Homes									
Job No: GT055									
Wandsworth Dealeys									
Score Summary: May 2014									
Element	Code	Score	Weight	Weighted Score	Target	Weighted Score	Weighted Score	Weighted Score	Weighted Score
Energy									
Energy	1	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	2	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	3	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	4	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	5	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	6	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	7	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	8	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	9	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	10	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	11	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	12	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	13	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	14	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	15	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	16	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	17	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	18	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	19	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	20	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	21	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	22	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	23	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	24	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	25	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	26	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	27	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	28	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	29	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	30	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	31	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	32	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	33	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	34	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	35	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	36	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	37	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	38	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	39	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	40	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	41	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	42	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	43	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	44	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	45	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	46	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	47	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	48	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	49	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	50	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	51	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	52	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	53	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	54	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	55	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	56	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	57	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	58	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	59	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	60	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	61	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	62	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	63	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	64	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	65	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	66	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	67	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	68	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	69	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	70	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	71	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	72	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	73	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	74	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	75	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	76	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	77	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	78	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	79	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	80	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	81	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	82	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	83	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	84	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	85	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	86	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	87	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	88	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	89	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	90	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	91	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	92	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	93	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	94	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	95	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	96	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	97	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	98	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	99	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	100	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	101	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	102	10	1.00	10.00	10.00	10.00	10.00	10.00	10.00
Energy	103	10	1.00						