

1. ROUGHING LINES TO B.S. STANDARDS.
2. COIL CONNECTIONS \varnothing 15 OD.
3. LEFT HAND UNIT AS DRAWN, RIGHT HAND OPPOSITE HAND.
4. GENERAL TOLERANCE ON OVERALL DIMENSIONS +/- 4mm.

CASE STUDY:

High end residential air conditioning fit out

SERVICE: Design & Installation

CLIENT: Holland Park Private Residence

DURATION: 18 Months

VALUE: £1.2Million

Whilst the majority of Accent projects are in the commercial sector, they are no strangers to high end residential work; particularly when the scale and complexity demands specialist expertise and the capacity to think outside the box in finding solutions to seemingly impossible problems. This taxing project presented just such a scenario.

Assets at-a-glance:

- 200Kw Chiller
- 170 Kw Boilers
- 25 x Bespoke Fan Coil Units



DRN	CHKD	DRAWING TO B.S. 308:PARTS 1,2 AND 3.		DRG	SCALE	PRINT	NTS	DRAWN	DD	ET ENVIRONMENTAL LTD	
6	DD	WELDING TERMS AND SYMBOLS TO B.S. 499:PART 2.		1:1				DATE	26-01-16	47 Central Avenue, West Molesey, Surrey, KT8 8QZ	
GEOMETRIC TOLERANCE SYMBOLS				ALL DIMENSIONS IN				MATERIAL		Telephone 020-8783-0033. Fax 020-8783-0110	
CHARACTERISTIC	SYM	CHARACTERISTIC	SYM	MM THIRD ANGLE				CHECKED		TITLE	
Straightness	—	Angularity	∠	PROJECTION				DATE		SALES G.A. HIGHLINE VE	
Flatness	∥	Run out	∕	TOLERANCES UNLESS				APP'D		H26/D-WV-13.CH	
Roundness	○	Position	⊕	FINISH				DATE		WILSON GIBSON PARTS.	
Circularity	⊘	Concentricity	⊙	DIMENSIONAL ± 0.5				JOB		ACCENT SERVICES	
Profile of a surface	⌒	M.M.C.	⊖	ANGULAR ± 1°				DATE		DRG. NO. A1/32143	
Parallelism	∥	Squareness	⊥								



The Challenge

At a highly prestigious address in Holland Park, this \$45million residence required a complete air conditioning system that could be installed within the rigorous constraints of the National Heritage listed interior. The challenge was to fit all the necessary fan coil units and ducting within existing voids without damaging the ornate cornicing, decorative ceilings and period feature wall panelling. After an initial set of plans were drawn up, it became clear that any scheme that would meet the specific demands imposed by the architect, could not be achieved using standard units.

Design

Accent then approached local FCU manufacturer Diffusion and set about finding a bespoke solution. Accent appointed three teams for this project. Their Head of Design handled the modelling function, a second team took on the CAD work and a liaison team worked in

partnership with the designers. Over a period of three months they moved fans, relocated filter assemblies and sound insulation to design custom products with the correct specification and at the required dimensions. At the conclusion of this process, the architect was able to take a fully functioning and implementable scheme to the end client for approval.

Installation

Working alongside the appointed specialist builders, Accent seated each unit into the tight spaces available, several of which required hand tooled jigs for accurate fitting. The phased installation, spread over 18 months, involved teams of specialist joiners, french polishers and heritage decorators to make good the locations sited over seven floors of the stunning property. On completion, the only visual evidence that Accent had even been inside the Building were the stylish and very discreet shadow gap air handling vents - Plus of course, cool fresh air!

