From: Steve Gosling
To: Matthias Hamm (spaceAgent)
Cc: jeremysutton@mail.com
Subject: RE: SHE / discharge conditions upward extension and tracker revF16G4
Date: 08 July 2026 11:10:40

Hi Matthias,

As per below, and as per subsequent conversations, I can confirm:

a. Tracker ref F16G4 internal specs are correct. For reverberation in common parts, the risk of noise disturbance is very minimal, though I can see there is a reference to medium carpet. Hopefully this would be OK for Building Control, otherwise we may need to produce a Method B calculation and specify a certain carpet type – though I would think you would want to avoid any restriction on the carpet.
b. Discharge memo sent to Emily at Pegasus on 19/06
c. Windows – the sheet is correct. I think you're aware, we have specified in terms of Rw (not Rw+Ctr). 40/41 dB Rw can be achieved with double glazing (for example 8.2mm glass, 16mm cavity, 6mm glass) – but this is not a super rigid requirement for the lower units (because only commercial noise is formally considered, rather than traffic noise). If the cost meant using glass a few dB lower was highly beneficial, for example, this would be OK. Triple glazing normally needed at 45 dB Rw and higher.
d. Flat entrance doors – as per discission, either 25 kg/m2 with perimeter seals (most use this) or minimum rating of 29 dB Rw
e. Lift installation – as per discussion, noise from life equipment tends to be rare, though when we're asked to investigate it's usually the budget lift suppliers that are an issue. On this basis, I would recommend seeking advice on methods for motor gear isolation from the steelwork from a reputable manufacturer such as Kone or similar. There should be no or minimal contact between the shaftwall and steels for the liftshaft. I'd be grateful for a detailed drawing of this arrangement as the steels currently show as protruding (understandable as GAs).

Please come back if you have any queries.

Kind regards,
Steve

From: Matthias Hamm (spaceAgent) <hamm@spaceagent.com>
Sent: 09 June 2026 10:01
To: Steve Gosling <Steve@24acoustics.co.uk>
Cc: jeremysutton@mail.com
Subject: SHE / discharge conditions upward extension and tracker revF16G4

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Dear Steve,

Please let me know when you can issue/answer:

- Review of tracker revF16G4 (external and internal acoustic specs)
- Additional "upgraded" detail floor 3rd/4th for discharge of condition only
- Comment on comparative schedule of window spec (column H on tracker file)
- Are there any acoustic requirements on any door, i.e. flat entrance doors
- Are there any requirements for the lift installation to reduce impact noise on the steel roof extension

We are also chasing the structural engineer to confirm the additional loading for the proposed acoustic floors on 4th and 5th floor level.

Many thanks,

SHE - DRAFT building envelope and partitions revF16g4 9.6.2026

Indicative only - please check suppliers and consultants documentation

Jon Sam Sam Steve 19.5.2026 Sam Paul site

minimum statutory requirements

Type	Element	spec/location		U-Value	Lnw	Rw	Rw	Rw+Ctr	F	h max.	British-Gypsum	width	layers	void	frame	layer	insulation	comment		
tive				W/m^2 K	dB	dB	dB	dB	min	m	no	mm	no	mm	type	type	type			
1A	Party wall	commercial/residential (Flat1)	Refurb					**60**	60	3.3	A216013 (EN)	**250**	2x2		**twin**	SoundBloc	APR 1200	(55+5dB), split connecting wall		
1C	Party wall	residential/residential (1st/2nd/3rd(req.))	Refurb					53	60	3.6	L216017F (EN)	225	2x2		**twin**	SoundBloc/Gyproc Hat	APR 1200	(55-2dB), split connecting wall	L216018F (EN)	
1D	Party wall	residential/residential (4th,5th) - optional on 3rd	New					55	60	**2.8**	A216014 (EN)	200	2x2		**twin**	SoundBloc	APR 1200	split connecting wall	A216014 (EN)	twin frame for sockets
2a	Lift shaft wall	vibration to check with lift supplier	Refurb					53	60	3.3								(55-2dB), existing block work (tbc)		
2B	Lift shaft wall	vibration to check with lift supplier	New			**52**		55	60	**4.2**	A306020 (A) (EN)	173	2 + 1		**single**	CoreBoard /FireLine	APR 1200	split connecting wall		
2C	Lift shaft wall	vibration to check with lift supplier	New			**50**		55	120	**4.2**	A306033 (A) (EN)	193	3 + 1		**single**	CoreBoard /FireLine	APR 1200	split connecting wall		
3A	Stair wall	absorption Class D, equal floor area (carpet thin)	Refurb					53	**120**	3.3		170				blockwork/plaster		(55-2dB), existing 140mm block work (tbc)		
3B	Stair wall	absorption Class D, equal floor area (carpet thin)	New					55	**120**	**2.8**	X216011 (EN)	200	2x2		**twin**	15mm DuraLine	APR 1200	twin frame + Steel column		
3C	Stair wall	absorption Class D, equal floor area (carpet thin)	New					55	**120**	3.3	A206067A (EN)	100	2x2		single	FireLine		between stair and vented hall		
4A	Core wall	absorption Class C, equal floor area (carpet mediur	Refurb					53	60	3.3		130				blockwork/plaster		(55-2dB), existing 100mm block work (tbc)		
4B	Core wall	absorption Class C, equal floor area (carpet mediur	Refurb					53	60	3.3		170				blockwork/plaster		(55-2dB), existing 140mm block work (tbc)		
4C	Core wall	Coms riser in lobby 2							60	3.6	A206078 (EN)	102	1x1		**single**	FireLine 15mm		riser enclosure		
5A	Partition	1st, 2nd	Refurb			**40**			30	3.6	A206045 (EN)	97	1x1		single	WallBoard	APR 1200	tall wall		
5B	Partition	G, Mz, 3rd-5th floor	New			**40**			30	**2.8**	A206034 (EN)	80	1x1	50	single	WallBoard	APR 1200	standard wall (max 2.8m)		
5C	Pre-shell partition	bathrooms	Refurb/New									65	1			Marineply		moisture resistant		
6a	Soffit Mezz level	undercroft ceiling	Refurb	**0.5**		52		48	60			60								
6C	External wall	rear extention (flat 1)	Refurb	**0.3**		52		48				60				100-70-100-22-60-12.5	Celotex GA4000	0.28 W/m^2 K -		
6D	External wall	main building	Refurb	**0.5**		52		48				33				100-70-100-33-15	Gyproc ThermaLin	0.55 W/m^2 K -		
6E	External wall	penthouse terrace/dormer	New	**0.18**		52		48	60			280					Knauf FrameTherm			
6F	External wall	main building + party wall	Refurb	**0.5**		52		48	60			33	2			100-70-100-33-15+15	Gyproc ThermaLin	0.55 W/m^2 K - doubled up fire board for sound/fore stopping party wall		
7a	Roof	rear extention (flat 1) - flat roof	Refurb	**0.16**		52		44	60											
7b	Roof	upward extension - flat roof	New	**0.11**		52		44	60			200					CELOTEX XR4000	no requirements, vibration?		
7c	Roof	upward extension - mansard (wall)	New	**0.18**		52		44	60			274					PIR 50mm/Frame	Zink roof, 25mm plasterboard ceiling c-w insulation (tbc)		
7d	Roof	upward extension - terrace deck	New	**0.11**		52		44	60											
8a	Floor - GF	residential (Flat 1)		**0.25**								50				parquet or tiles	PIR insulation	new resi only?		
8b	Ceiling (GF comm)	commercial/residential Unit0 - **mezzanine?**	Refurb		64			60	60		C106020 (A) (EN)			150		concrete/plasterboard	GenieMat RST03	(55+5dB), 160mm ribbed slab + 150mm void/rubber+2 plasterboard	beam line to include	
8c	Floor/Ceiling - 1,2,3rd	residential/residential (1st, 2nd, 3rd)	Refurb		64			56	60		C106020 (A) (EN)		1			plasterboard	GenieMat RST03	(55-2dB), concrete slab (tbc)	C106020 (A) (EN)	
8d	Floor/Ceiling - 4th	residential/residential (4th)	New		62			58	60		C106020 (A) (EN)		2x2	50 +		ply/SoundBloc	GenieMat RST03	Parquet+GenieMat RST03+18 ply + 150joist + 2x2 Soundbloc, **50mm void/rubber**, pla	C106020 (A) (EN)	planning consent requires +10dB above offices to discharge
8e	Floor/Ceiling - 5th	doublex (5th)	New		62	**40**			30				1			platerboard	GenieMat RST03	Parquet+GenieMat RST03+22 ply + 150joist +plasterboard	C106020 (A) (EN)	planning consent requires +10dB above offices to discharge
8f	Curtain wall gap	space between curtainwall and floor slab on 1-3rd	Refurb					53	60		SideRise					2x2 plasterboard (ledge	Rockwool	alternative 2x 5mm steel plate		
9a	Column		New					tbc	60		D120001 (G) (EN)	20				Glasroc F FireCase	Rockwool	only 50dB, until A/V value 260		
9b	Column		New					tbc	120		D120001 (K) (EN)	20				Glasroc F FireCase	Rockwool	only 50dB, until A/V value 68		

					Rw	Rw	diff											
					dB	dB	dB											
					40 = tripple glazing													
10a	Patio door 5th	living penthouse - back	New	**1.2**	34	**32**	-2	30									Double glazing such as 4-16-4 thermal double glazing (tbc)	mechanical ventilation
10aa	Patio door 5th	living penthouse - front	New	**1.2**	46	**36**	-10	40										mechanical ventilation
10b	Dormer window 4th	**bedroom** penthouse - back	New	**1.2**	37	**34**	-3	35										mechanical ventilation
	Dormer window 4th	**bath** penthouse - back	New	**1.2**	34	**32**	-2	30										mechanical ventilation
10c	Dormer window 4th	**bedroom** penthouse - front/side	New	**1.2**	46	**41**	-5	40										mechanical ventilation
	Dormer window 4th	**bath** penthouse - front	New	**1.2**	34	**32**	-2	30										mechanical ventilation
10d	Curtain wall/window	living rooms conversion - back/side (+terrace door)	Refurb	**1.4**	34	**32**	-2	30										trickle/passive vents Dnew 45dB, sound transmission between floors to limit (mullion sound b
10e	Curtain wall/window	living rooms conversion - front	Refurb	**1.4**	34	**36**	2	30										trickle/passive vents Dnew 45dB, sound transmission between floors to limit (mullion sound b
10f	Curtain wall/window	**bedrooms** conversion - back/south side	Refurb	**1.4**	37	**34**	-3	35										trickle/passive vents Dnew 45dB, sound transmission between floors to limit (mullion sound b
10f2	Curtain wall/window	**bedrooms** conversion - north side	Refurb	**1.4**	37	**38**	1	35										trickle/passive vents Dnew 45dB, sound transmission between floors to limit (mullion sound b
10g	Curtain wall/window	**bedrooms** conversion - front	Refurb	**1.4**	37	**41**	4	35										trickle/passive vents Dnew 45dB, sound transmission between floors to limit (mullion sound b
10h	External doors	commercial unit, entrance hall, flat 1, new rear entr	Refurb															
10j	Rooflight	living room - Flat 1	Refurb	**1.4**	34			30										
11a	Internal door - flat																	
11b	Internal door - flat (protected corridor)								FD30									
11c	Internal door - flat entrance								FD30S									
11d	Internal door - vented hall								FD30S									
11e	Internal door - fire stair								**FD60S**								Veneer	
11f	Internal door - riser								FD30S									