

A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 1 of 3		System: Lower Ground EF2	Engineer: AS Client: TNA
Fan Ref: EF2		Test Inst Type: Micro	

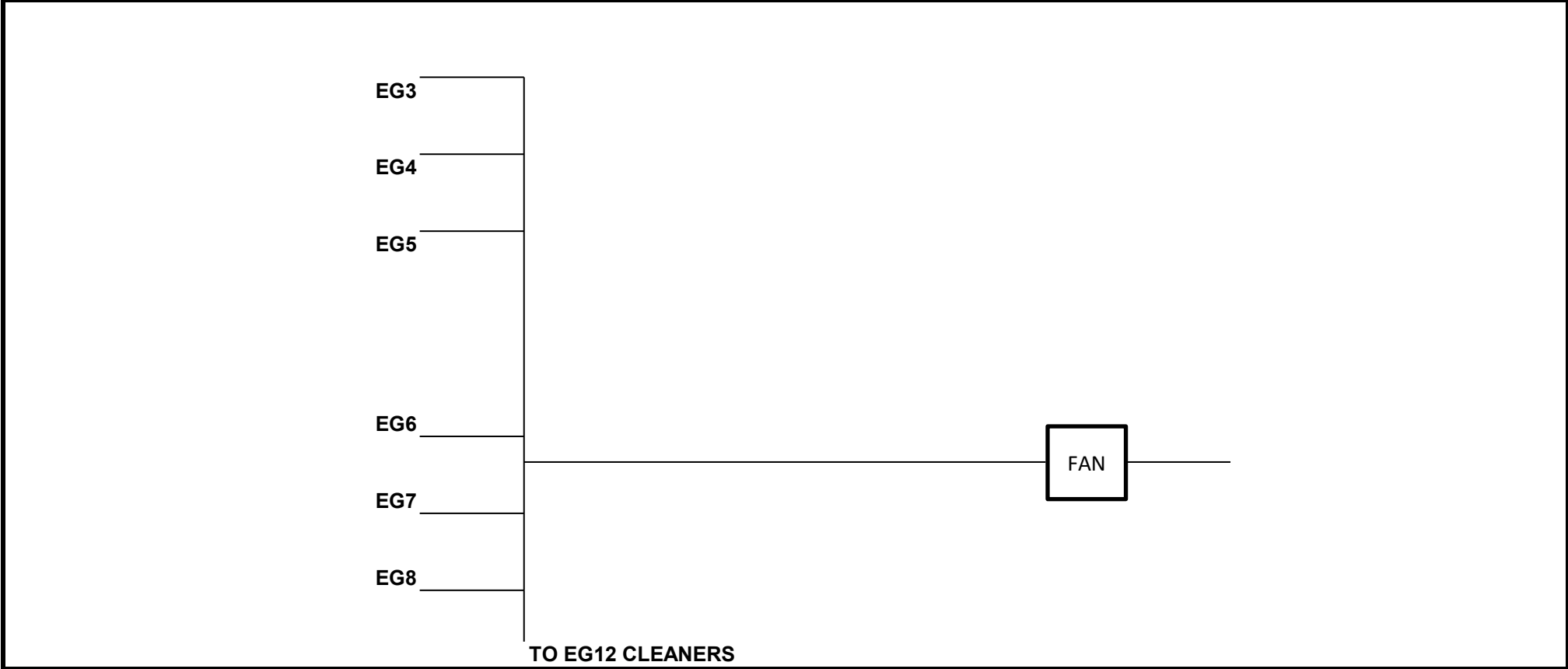
FAN TEST DIRECT DRIVE									
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Technical Details:									
Fan Manufacturer		NUAIRE			Motor Power			N/S kW	
Fan Type/Size		DE2-ES			Voltage			240 V	
Motor Manufacturer		NUAIRE							
Motor Frame No		NOT STATED							
Motor Serial No		5563874							
Electrical	Design		Actual						
Running Current (A)		0.75		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	3200	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	3200	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²
								Total	N/A
								No of Readings	N/A
			REFER TO NOTE BELOW					Average Vel (m/s)	N/A
								SP @Trav.	N/A

COMMENTS

A & N Commissioning Ltd Tel: 07813437803	Project: Holloway Head Girl Guides Job Ref 3137	Date: Feb-23 Engineer: AS Client: TNA
	System: Lower Ground	
	EF2	
Sheet 3 of 3		

SYSTEM SCHEMATIC



A & N Commissioning Ltd		Project: Holloway Head Girl Guides Job Ref: 3137		Date: Feb-23	
Tel: 07813437803		System: Lower Ground MVHR1 Supply		Engineer: AS	
Sheet 1 of 4				Client: TNA	
Fan Ref: MVHR1		Test Inst Type: Micro			

FAN TEST DIRECT DRIVE

Technical Details:

Fan Manufacturer	SAMSUNG	Motor Power	N/S	kW
Fan Type/Size	NOT STATED	Voltage	240	V
Motor Manufacturer	SAMSUNG			
Motor Frame No	NOT STATED			
Motor Serial No	NOT STATED			

Electrical	Design	Actual	
Running Current (A)	N/S	UTO	

Speeds	Design	Actual	Pressures	Design		Actual
Fan (rpm)	N/S	UTO	Static Head (pa)	N/S	Total	N/A
Motor (rpm)	N/S	UTO	SP @ Inlet (pa)	N/A	SP @ Outlet (pa)	N/A

Duct Traverse TP1	Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²	N/A
								Total	N/A
								No of Readings	N/A
								Average Vel (m/s)	N/A
								SP @Trav.	N/A

AIR VOLUME DESIGN (m³/s)	0.100	AIR VOLUME ACTUAL (m³/s)	0.103	AIR VOLUME % OF DESIGN	103
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COMMENTS HIGH SPEED
THE ABOVE TOTAL MEASURED VOLUME FOR FAN WAS GAINED VIA ADDITION OF ALL READINGS TAKEN ON OUTFIELD TERMINALS

A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 2 of 4		System: Lower Ground MVHR1 Extract	Engineer: AS Client: TNA
Fan Ref: MVHR1		Test Inst Type: Micro	

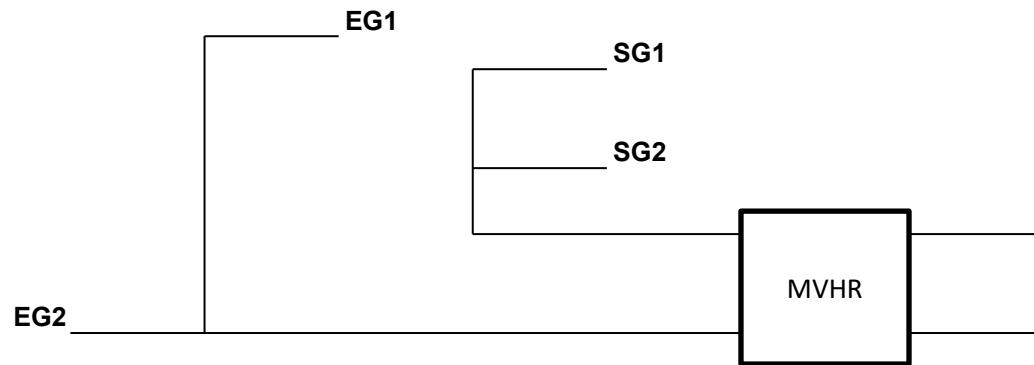
FAN TEST DIRECT DRIVE									
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Technical Details:									
Fan Manufacturer		SAMSUNG			Motor Power			N/S kW	
Fan Type/Size		NOT STATED			Voltage			240 V	
Motor Manufacturer		SAMSUNG							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²
								Total	N/A
								No of Readings	N/A
								Average Vel (m/s)	N/A
			REFER TO NOTE BELOW					SP @Trav.	N/A
AIR VOLUME DESIGN (m³/s)		0.100		AIR VOLUME ACTUAL (m³/s)		0.101		AIR VOLUME % OF DESIGN	
								101	

COMMENTS

A & N Commissioning Ltd Tel: 07813437803 Sheet 4 of 4	Project: Holloway Head Girl Guides Job Ref 3137	Date: Feb-23 Engineer: AS Client: TNA
	System: Lower Ground	
	MVHR1 Supply & Extract	

SYSTEM SCHEMATIC



A & N Commissioning Ltd		Project: Holloway Head Girl Guides Job Ref: 3137		Date: Feb-23	
Tel: 07813437803		System: Lower Ground MVHR2 Supply		Engineer: AS	
Sheet 1 of 4				Client: TNA	
Fan Ref: MVHR2		Test Inst Type: Micro			

FAN TEST DIRECT DRIVE

Technical Details:					
Fan Manufacturer	SAMSUNG		Motor Power	0.33	kW
Fan Type/Size	AN080JSKLKN		Voltage	240	V
Motor Manufacturer	SAMSUNG				
Motor Frame No	NOT STATED				
Motor Serial No	BSS7P8ST7				

Electrical	Design	Actual	
Running Current (A)	2.10	UTO	

Speeds	Design	Actual	Pressures	Design		Actual
Fan (rpm)	N/S	UTO	Static Head (pa)	N/S	Total	N/A
Motor (rpm)	N/S	UTO	SP @ Inlet (pa)	N/A	SP @ Outlet (pa)	N/A

Duct Traverse TP1	Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²	N/A
								Total	N/A
								No of Readings	N/A
								Average Vel (m/s)	N/A
								SP @Trav.	N/A

AIR VOLUME DESIGN (m³/s)	0.244	AIR VOLUME ACTUAL (m³/s)	0.233	AIR VOLUME % OF DESIGN	95
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COMMENTS TURBO SPEED
THE ABOVE TOTAL MEASURED VOLUME FOR FAN WAS GAINED VIA ADDITION OF ALL READINGS TAKEN ON OUTFIELD TERMINALS

<div>A & N</div> <div>Commissioning Ltd</div> <div>Tel: 07813437803</div>		<div>Project:</div> <div>Holloway Head</div> <div>Girl Guides</div> <div>Job Ref: 3137</div>		<div>Date:</div> <div>Feb-23</div>	
Sheet 2 of 4		<div>System:</div> <div>Lower Ground</div> <div>MVHR2 Extract</div>		<div>Engineer:</div> <div>AS</div> <div>Client: TNA</div>	
Fan Ref: MVHR2		Test Inst Type: Micro			

FAN TEST DIRECT DRIVE

Technical Details:									
Fan Manufacturer		SAMSING			Motor Power			0.33 kW	
Fan Type/Size		AN080JSKLKN			Voltage			240 V	
Motor Manufacturer		SAMSUNG							
Motor Frame No		NOT STATED							
Motor Serial No		BSS7P8ST7							
Electrical	Design		Actual						
Running Current (A)		2.10		UTO					
Speeds		Design	Actual		Pressures		Design		Actual
Fan (rpm)		N/S	UTO		Static Head (pa)		N/S	Total	N/A
Motor (rpm)		N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)	
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²
									Total
									No of Readings
									Average Vel (m/s)
									SP @Trav.
AIR VOLUME DESIGN (m³/s)		0.244		AIR VOLUME ACTUAL (m³/s)		0.250		AIR VOLUME % OF DESIGN	
								102	

COMMENTS

Project:

Holloway Head Girl Guides

Job Ref 3137

System:

Lower Ground
MVHR2 Supply & Extract

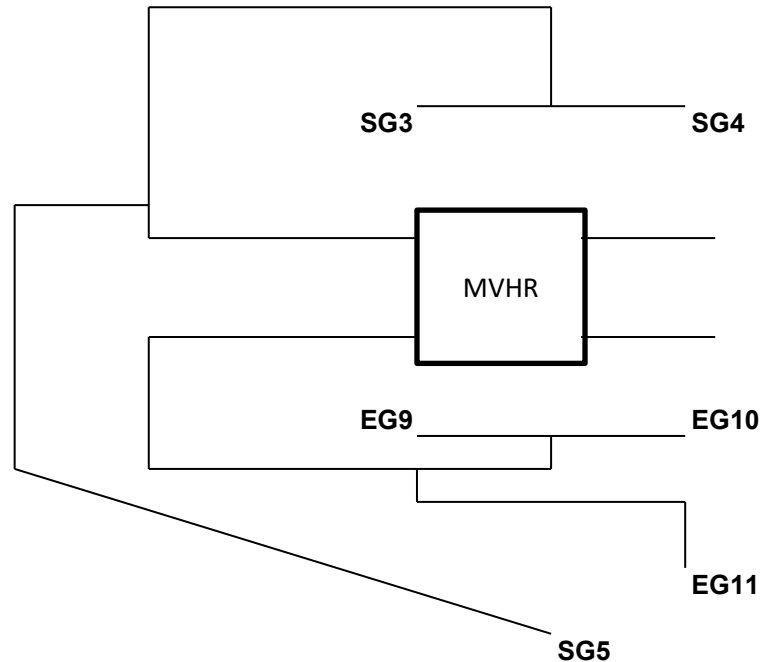
Date:

Feb-23

Engineer: AS

Client: TNA

SYSTEM SCHEMATIC



A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 1 of 3		System: Mezzanine EF4	Engineer: AS Client: TNA
Fan Ref: EF4		Test Inst Type: Micro	

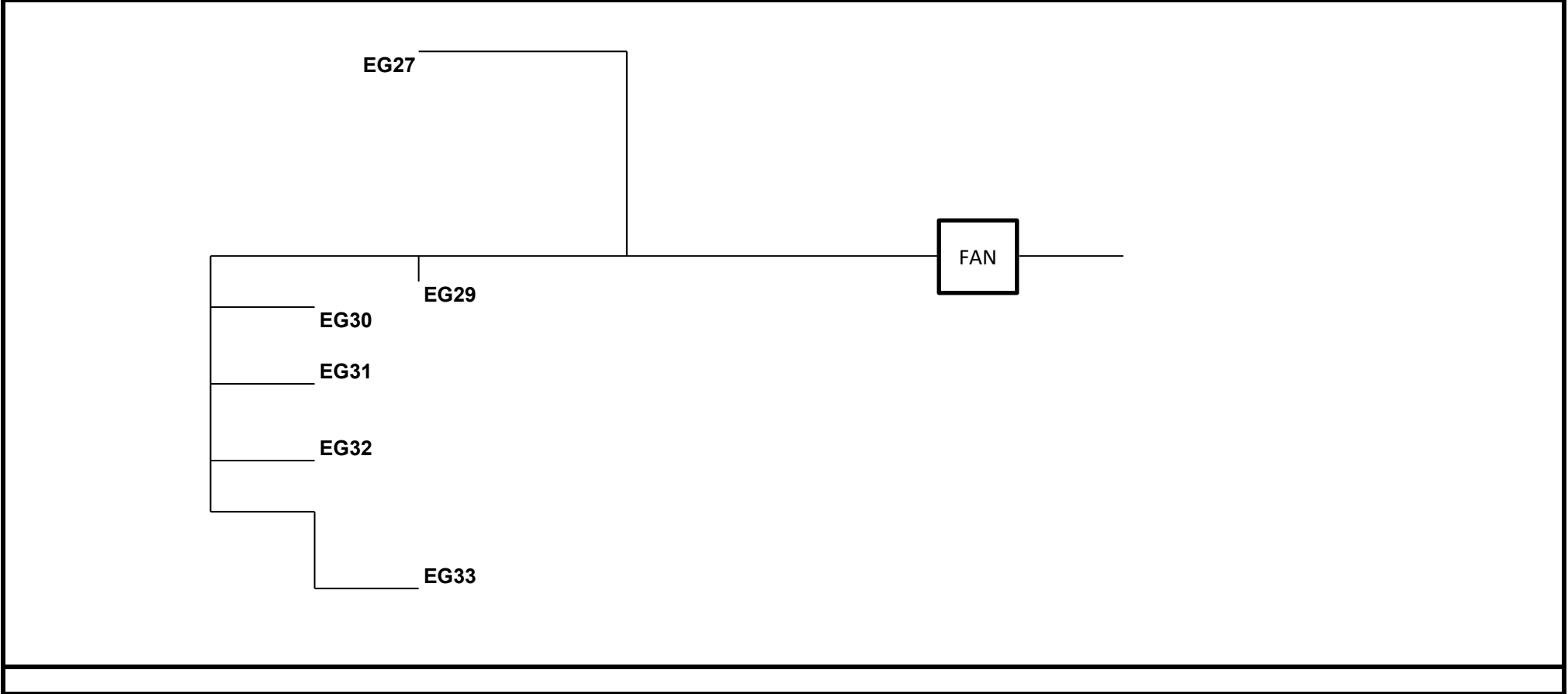
FAN TEST DIRECT DRIVE

Technical Details:									
Fan Manufacturer		NUAIRE			Motor Power			N/S kW	
Fan Type/Size		DE2-ES			Voltage			240 V	
Motor Manufacturer		NUAIRE							
Motor Frame No		NOT STATED							
Motor Serial No		5563874							
Electrical	Design		Actual						
Running Current (A)		0.75		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	3200	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	3200	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m ²
								Total	N/A
								No of Readings	N/A
								Average Vel (m/s)	N/A
			REFER TO NOTE BELOW					SP @Trav.	N/A
AIR VOLUME DESIGN (m ³ /s)		0.105		AIR VOLUME ACTUAL (m ³ /s)		0.105		AIR VOLUME % OF DESIGN	
								100	

COMMENTS

A & N Commissioning Ltd Tel: 07813437803 Sheet 3 of 3	Project: Holloway Head Girl Guides Job Ref 3137	Date: Feb-23 Engineer: AS Client: TNA
	System: Mezzanine	
	EF4	

SYSTEM SCHEMATIC



A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 1 of 4		System: Mezzanine MVHR3 Supply	Engineer: AS Client: TNA
Fan Ref: MVHR3		Test Inst Type: Micro	

FAN TEST DIRECT DRIVE									
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Technical Details:									
Fan Manufacturer		NOT STATED			Motor Power			N/S kW	
Fan Type/Size		NOT STATED			Voltage			240 V	
Motor Manufacturer		NOT STATED							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²
								Total	N/A
								No of Readings	N/A
								Average Vel (m/s)	N/A
			REFER TO NOTE BELOW					SP @Trav.	N/A
AIR VOLUME DESIGN (m³/s)		0.250		AIR VOLUME ACTUAL (m³/s)		0.241		AIR VOLUME % OF DESIGN	
								96	

A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 2 of 4		System: Mezzanine MVHR3 Extract	Engineer: AS Client: TNA
Fan Ref: MVHR3		Test Inst Type: Micro	

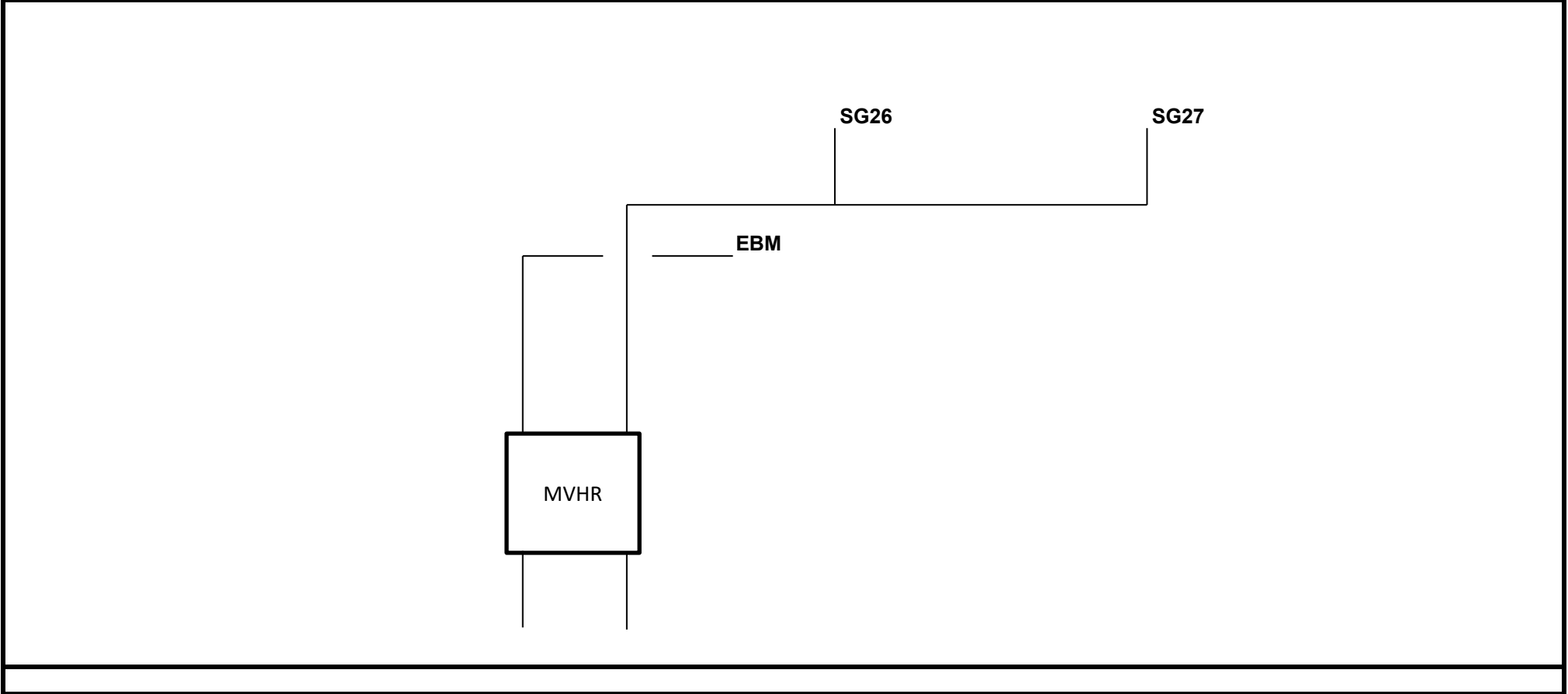
FAN TEST DIRECT DRIVE									
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Technical Details:									
Fan Manufacturer		NOT STATED			Motor Power			N/S kW	
Fan Type/Size		NOT STATED			Voltage			240 V	
Motor Manufacturer		NOT STATED							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m ²
								Total	N/A
								No of Readings	N/A
								Average	
			REFER TO NOTE BELOW					Vel (m/s)	N/A
								SP @Trav.	N/A
AIR VOLUME DESIGN (m ³ /s)		0.250		AIR VOLUME ACTUAL (m ³ /s)		0.254		AIR VOLUME % OF DESIGN	
								102	

COMMENTS

A & N Commissioning Ltd Tel: 07813437803 Sheet 4 of 4	Project: Holloway Head Girl Guides Job Ref 3137	Date: Feb-23 Engineer: AS Client: TNA
	System: Mezzanine MVHR3 Supply & Extract	

SYSTEM SCHEMATIC



A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 1 of 4		System: Mezzanine MVHR4 Supply	Engineer: AS Client: TNA
Fan Ref: MVHR4		Test Inst Type: Micro	

FAN TEST DIRECT DRIVE									
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Technical Details:									
Fan Manufacturer		SAMSUNG			Motor Power			N/S kW	
Fan Type/Size		NOT STATED			Voltage			240 V	
Motor Manufacturer		NOT STATED							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m ²
								Total	N/A
								No of Readings	N/A
			REFER TO NOTE BELOW					Average Vel (m/s)	N/A
								SP @Trav.	N/A
AIR VOLUME DESIGN (m³/s)		0.550		AIR VOLUME ACTUAL (m³/s)		0.541		AIR VOLUME % OF DESIGN	
								98	

A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 2 of 4		System: Mezzanine MVHR4 Extract	Engineer: AS Client: TNA
Fan Ref: MVHR4		Test Inst Type: Micro	

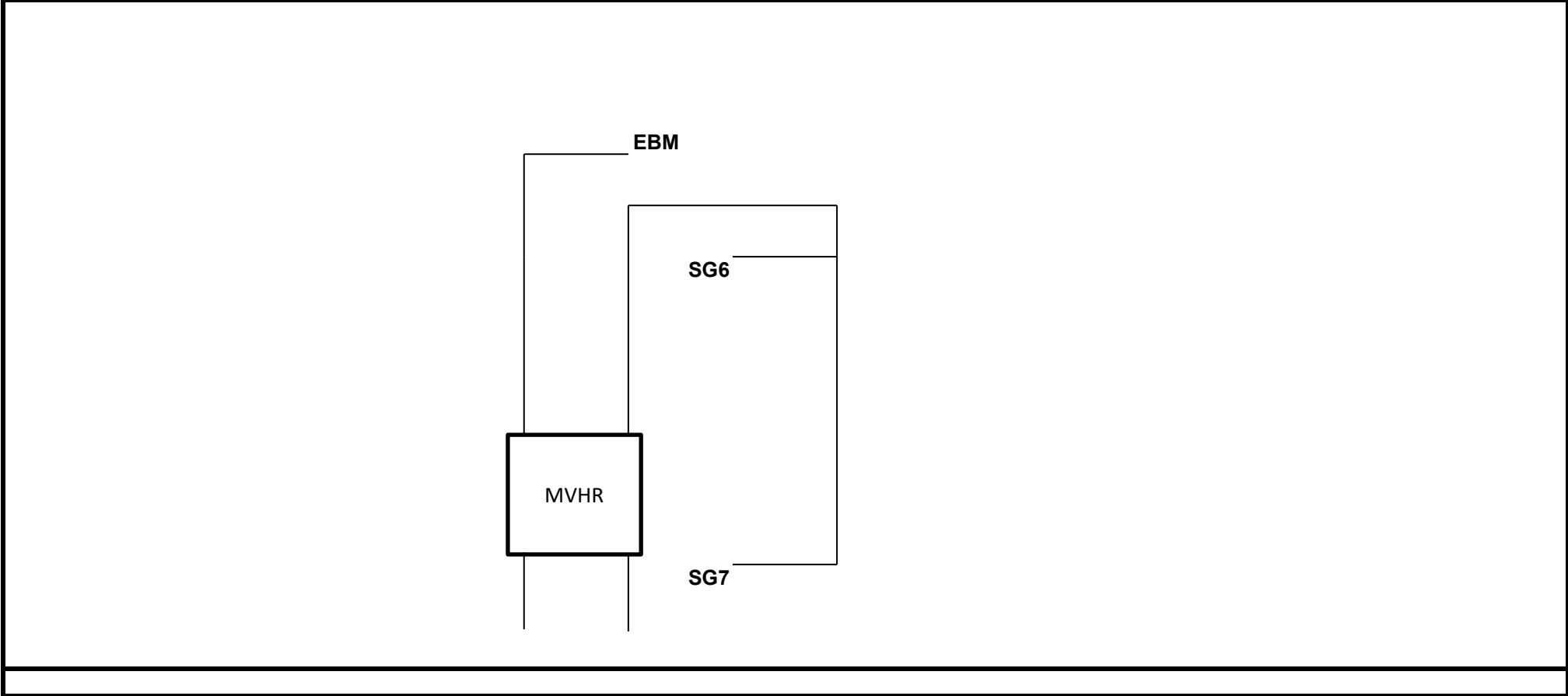
FAN TEST DIRECT DRIVE									
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Technical Details:									
Fan Manufacturer		SAMSUNG			Motor Power			N/S kW	
Fan Type/Size		NOT STATED			Voltage			240 V	
Motor Manufacturer		NOT STATED							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²
								Total	N/A
								No of Readings	N/A
								Average	
			REFER TO NOTE BELOW					Vel (m/s)	N/A
								SP @Trav.	N/A
AIR VOLUME DESIGN (m³/s)		0.550		AIR VOLUME ACTUAL (m³/s)		0.570		AIR VOLUME % OF DESIGN	
								104	

COMMENTS

A & N Commissioning Ltd Tel: 07813437803	Project: Holloway Head Girl Guides Job Ref 3137	Date: Feb-23 Engineer: AS Client: TNA
	System: Mezzanine MVHR4 Supply & Extract	
	Sheet 4 of 4	

SYSTEM SCHEMATIC



A & N Commissioning Ltd		Project: Holloway Head Girl Guides Job Ref: 3137		Date: Feb-23	
Tel: 07813437803		System: Mezzanine MVHR5 Supply		Engineer: AS	
Sheet 1 of 4				Client: TNA	
Fan Ref: MVHR5		Test Inst Type: Micro			

FAN TEST DIRECT DRIVE

Technical Details:									
Fan Manufacturer		NOT STATED			Motor Power			N/S kW	
Fan Type/Size		NOT STATED			Voltage			240 V	
Motor Manufacturer		NOT STATED							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m ²
								Total	N/A
								No of Readings	N/A
								Average	
			REFER TO NOTE BELOW					Vel (m/s)	N/A
								SP @Trav.	N/A

A & N Commissioning Ltd		Project: Holloway Head Girl Guides Job Ref: 3137		Date: Feb-23	
Tel: 07813437803		System: Mezzanine MVHR5 Extract		Engineer: AS	
Sheet 2 of 4				Client: TNA	
Fan Ref: MVHR5		Test Inst Type: Micro			

FAN TEST DIRECT DRIVE

Technical Details:

Fan Manufacturer	NOT STATED	Motor Power	N/S	kW
Fan Type/Size	NOT STATED	Voltage	240	V
Motor Manufacturer	NOT STATED			
Motor Frame No	NOT STATED			
Motor Serial No	NOT STATED			

Electrical	Design	Actual	
Running Current (A)	N/S	UTO	

Speeds	Design	Actual	Pressures	Design		Actual
Fan (rpm)	N/S	UTO	Static Head (pa)	N/S	Total	N/A
Motor (rpm)	N/S	UTO	SP @ Inlet (pa)	N/A	SP @ Outlet (pa)	N/A

Duct Traverse TP1	Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²	N/A
								Total	N/A
								No of Readings	N/A
								Average Vel (m/s)	N/A
								SP @Trav.	N/A

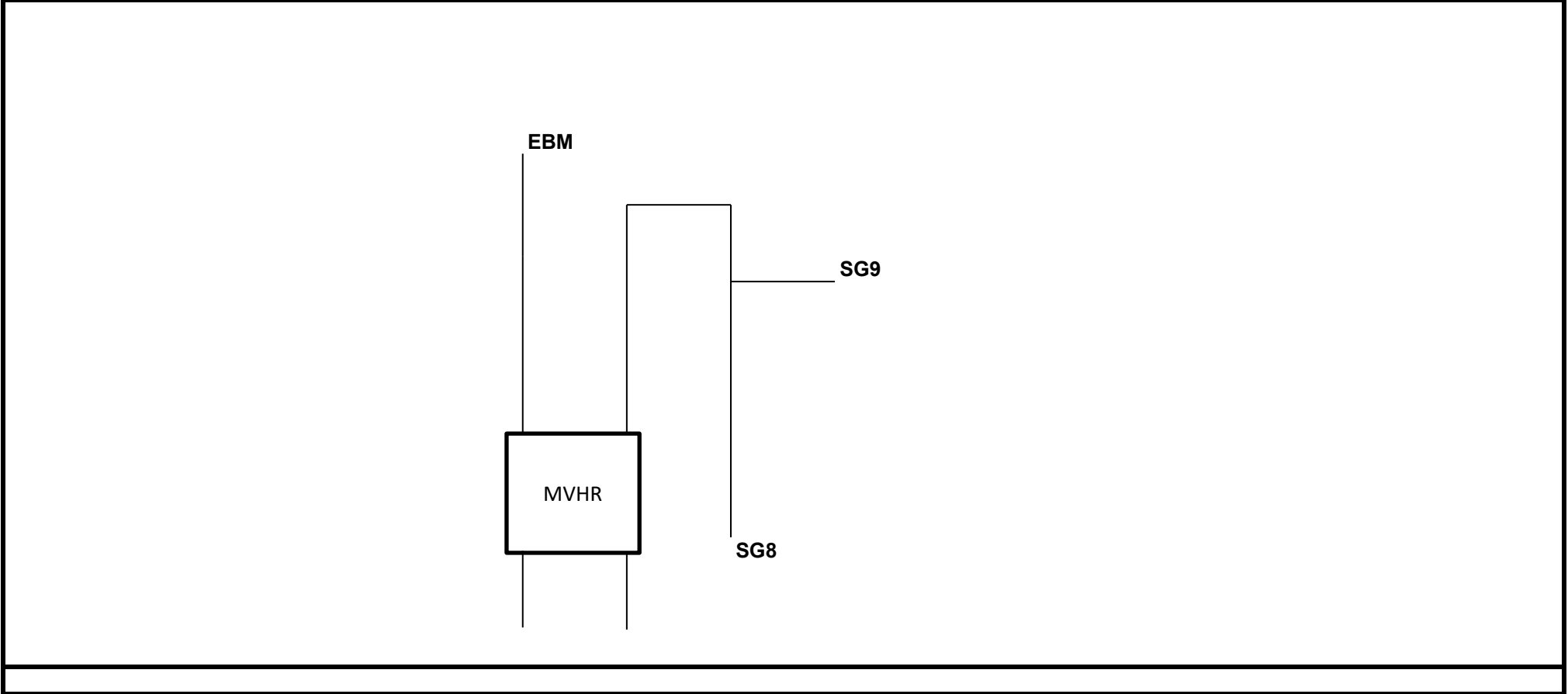
AIR VOLUME DESIGN (m³/s)	0.550	AIR VOLUME ACTUAL (m³/s)	0.570	AIR VOLUME % OF DESIGN	104
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COMMENTS TURBO SPEED
THE ABOVE TOTAL MEASURED VOLUME FOR FAN WAS GAINED VIA ADDITION OF ALL READINGS TAKEN ON OUTFIELD TERMINALS

COMMENTS

<div><div>A & N</div><div>Commissioning Ltd</div><div>Tel: 07813437803</div><div>Sheet 4 of 4</div></div>	<div>Project:</div> <div>Holloway Head Girl Guides</div> <div>Job Ref 3137</div> <div>System:</div> <div>Mezzanine</div> <div>MVHR5 Supply & Extract</div>	<div>Date:</div> <div>Feb-23</div> <div>Engineer: AS</div> <div>Client: TNA</div>

SYSTEM SCHEMATIC



A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 1 of 4		System: Mezzanine MVHR6 Supply	Engineer: AS Client: TNA
Fan Ref: MVHR6		Test Inst Type: Micro	

FAN TEST DIRECT DRIVE

Technical Details:									
Fan Manufacturer		SAMSUNG			Motor Power			N/S kW	
Fan Type/Size		NOT STATED			Voltage			240 V	
Motor Manufacturer		NOT STATED							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²
								Total	N/A
								No of Readings	N/A
								Average Vel (m/s)	N/A
			REFER TO NOTE BELOW					SP @Trav.	N/A
AIR VOLUME DESIGN (m³/s)		0.550		AIR VOLUME ACTUAL (m³/s)		0.544		AIR VOLUME % OF DESIGN	
								99	

A & N Commissioning Ltd		Project: Holloway Head Girl Guides Job Ref: 3137		Date: Feb-23	
Tel: 07813437803		System: Mezzanine MVHR6 Extract		Engineer: AS	
Sheet 2 of 4				Client: TNA	
Fan Ref: MVHR6		Test Inst Type: Micro			

FAN TEST DIRECT DRIVE

Technical Details:

Fan Manufacturer	SAMSUNG	Motor Power	N/S	kW
Fan Type/Size	NOT STATED	Voltage	240	V
Motor Manufacturer	NOT STATED			
Motor Frame No	NOT STATED			
Motor Serial No	NOT STATED			

Electrical	Design	Actual	
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Running Current (A)	N/S	UTO	
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Speeds	Design	Actual	Pressures	Design		Actual
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Fan (rpm)	N/S	UTO	Static Head (pa)	N/S	Total	N/A
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Motor (rpm)	N/S	UTO	SP @ Inlet (pa)	N/A	SP @ Outlet (pa)	N/A
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Duct Traverse	Height	Width		Duct		Duct	
TP1	(mm)	(mm)	N/A	Dia (mm)	N/A	Area m²	N/A

						Total	N/A
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						No of	
						Readings	N/A

						Average	
						Vel (m/s)	N/A

						SP @Trav.	N/A
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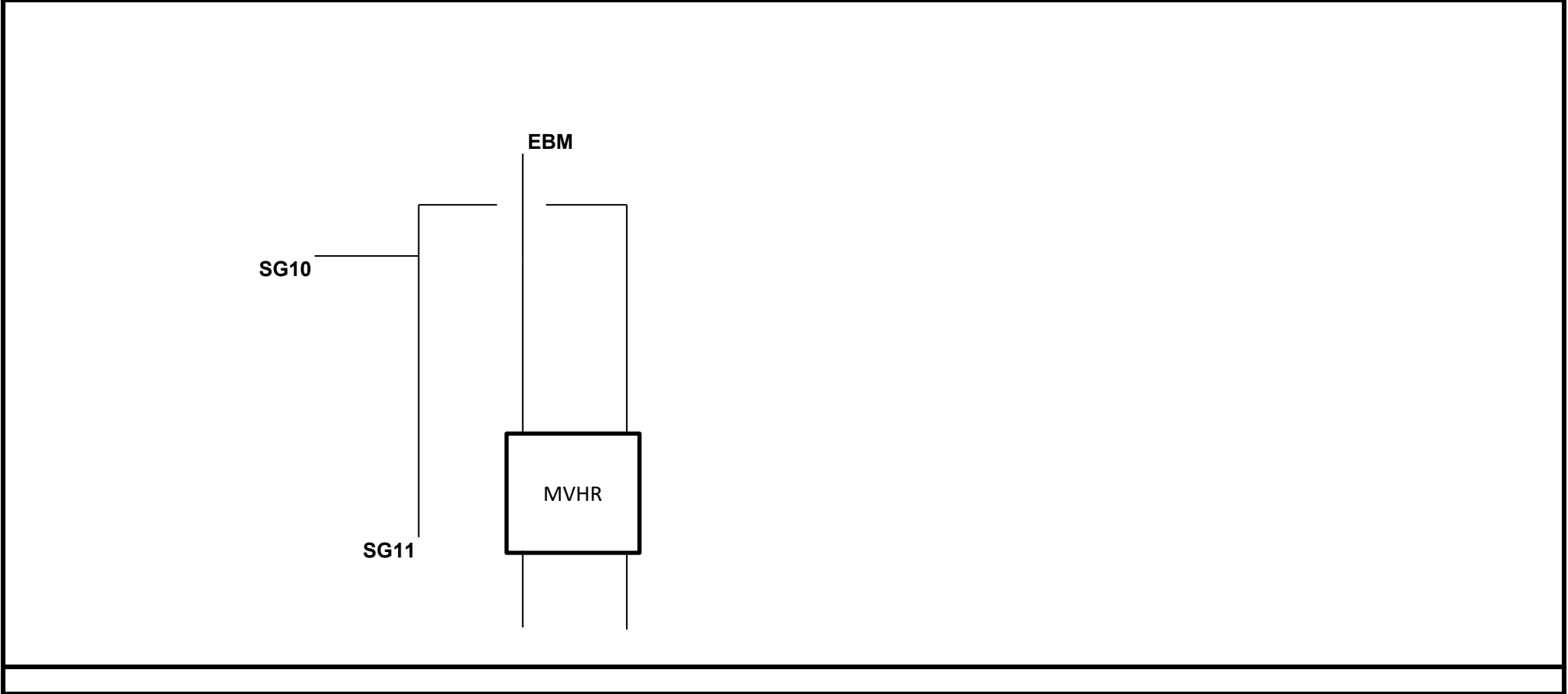
AIR VOLUME		AIR VOLUME		AIR VOLUME	
DESIGN (m³/s)	0.550	ACTUAL (m³/s)	0.570	% OF DESIGN	104

COMMENTS TURBO SPEED
THE ABOVE TOTAL MEASURED VOLUME FOR FAN WAS GAINED VIA ADDITION OF ALL
READINGS TAKEN ON OUTFIELD TERMINALS

COMMENTS

A & N Commissioning Ltd Tel: 07813437803 Sheet 4 of 4	Project: Holloway Head Girl Guides Job Ref 3137 System: Mezzanine MVHR6 Supply & Extract	Date: Feb-23 Engineer: AS Client: TNA

SYSTEM SCHEMATIC



A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 1 of 4		System: Mezzanine MVHR7 Supply	Engineer: AS Client: TNA
Fan Ref: MVHR7		Test Inst Type: Micro	

FAN TEST DIRECT DRIVE

Technical Details:										
Fan Manufacturer		SAMSUNG			Motor Power			N/S kW		
Fan Type/Size		NOT STATED			Voltage			240 V		
Motor Manufacturer		NOT STATED								
Motor Frame No		NOT STATED								
Motor Serial No		NOT STATED								
Electrical	Design		Actual							
Running Current (A)		N/S		UTO						
Speeds	Design	Actual		Pressures		Design		Actual		
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A		
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A	
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m ²	
								Total	N/A	
								No of Readings	N/A	
			REFER TO NOTE BELOW						Average Vel (m/s)	N/A
									SP @Trav.	N/A
AIR VOLUME DESIGN (m ³ /s)		0.550		AIR VOLUME ACTUAL (m ³ /s)		0.548		AIR VOLUME % OF DESIGN		100

A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 2 of 4		System: Mezzanine MVHR7 Extract	Engineer: AS Client: TNA
Fan Ref: MVHR7		Test Inst Type: Micro	

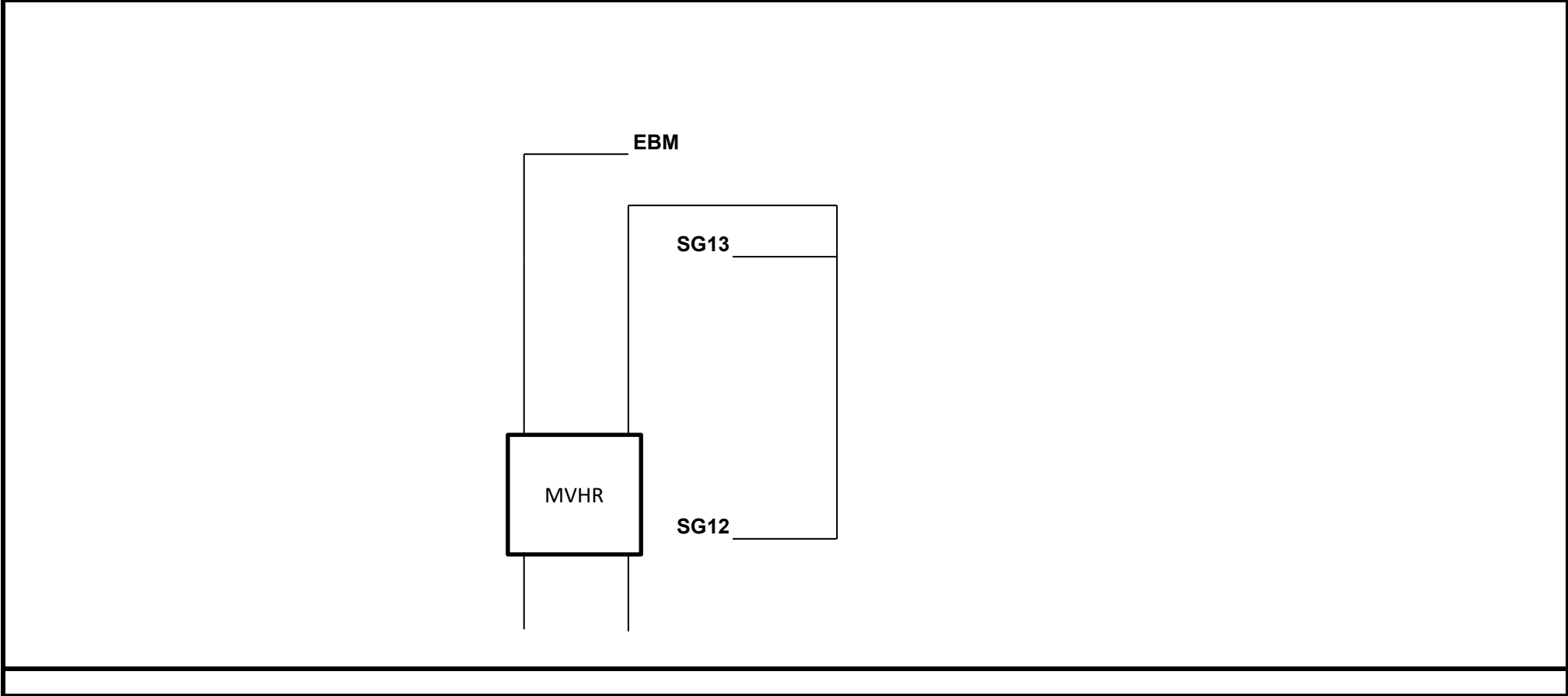
FAN TEST DIRECT DRIVE									
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Technical Details:									
Fan Manufacturer		SAMSUNG			Motor Power			N/S kW	
Fan Type/Size		NOT STATED			Voltage			240 V	
Motor Manufacturer		NOT STATED							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²
								Total	N/A
								No of Readings	N/A
								Average	
			REFER TO NOTE BELOW					Vel (m/s)	N/A
								SP @Trav.	N/A
AIR VOLUME DESIGN (m³/s)		0.550		AIR VOLUME ACTUAL (m³/s)		0.570		AIR VOLUME % OF DESIGN	
								104	

COMMENTS

A & N Commissioning Ltd Tel: 07813437803 Sheet 4 of 4	Project: Holloway Head Girl Guides Job Ref 3137	Date: Feb-23 Engineer: AS Client: TNA
	System: Mezzanine MVHR7 Supply & Extract	

SYSTEM SCHEMATIC



A & N Commissioning Ltd		Project: Holloway Head Girl Guides Job Ref: 3137		Date: Feb-23	
Tel: 07813437803		System: Mezzanine MVHR8 Supply		Engineer: AS	
Sheet 1 of 4				Client: TNA	
Fan Ref: MVHR8		Test Inst Type: Micro			

FAN TEST DIRECT DRIVE

Technical Details:									
Fan Manufacturer		SAMSUNG			Motor Power			0.45 kW	
Fan Type/Size		AN100JSKLKN			Voltage			240 V	
Motor Manufacturer		SAMSUNG							
Motor Frame No		NOT STATED							
Motor Serial No		BSS8P8							
Electrical	Design		Actual						
Running Current (A)		2.90		UTO					
Speeds		Design	Actual		Pressures		Design		Actual
Fan (rpm)		N/S	UTO		Static Head (pa)		N/S	Total	N/A
Motor (rpm)		N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)	
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²
									Total
									No of Readings
									Average Vel (m/s)
									SP @Trav.
AIR VOLUME DESIGN (m³/s)		0.180		AIR VOLUME ACTUAL (m³/s)		0.193		AIR VOLUME % OF DESIGN	
								107	

A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 2 of 4		System: Mezzanine MVHR8 Extract	Engineer: AS Client: TNA
Fan Ref: MVHR8		Test Inst Type: Micro	

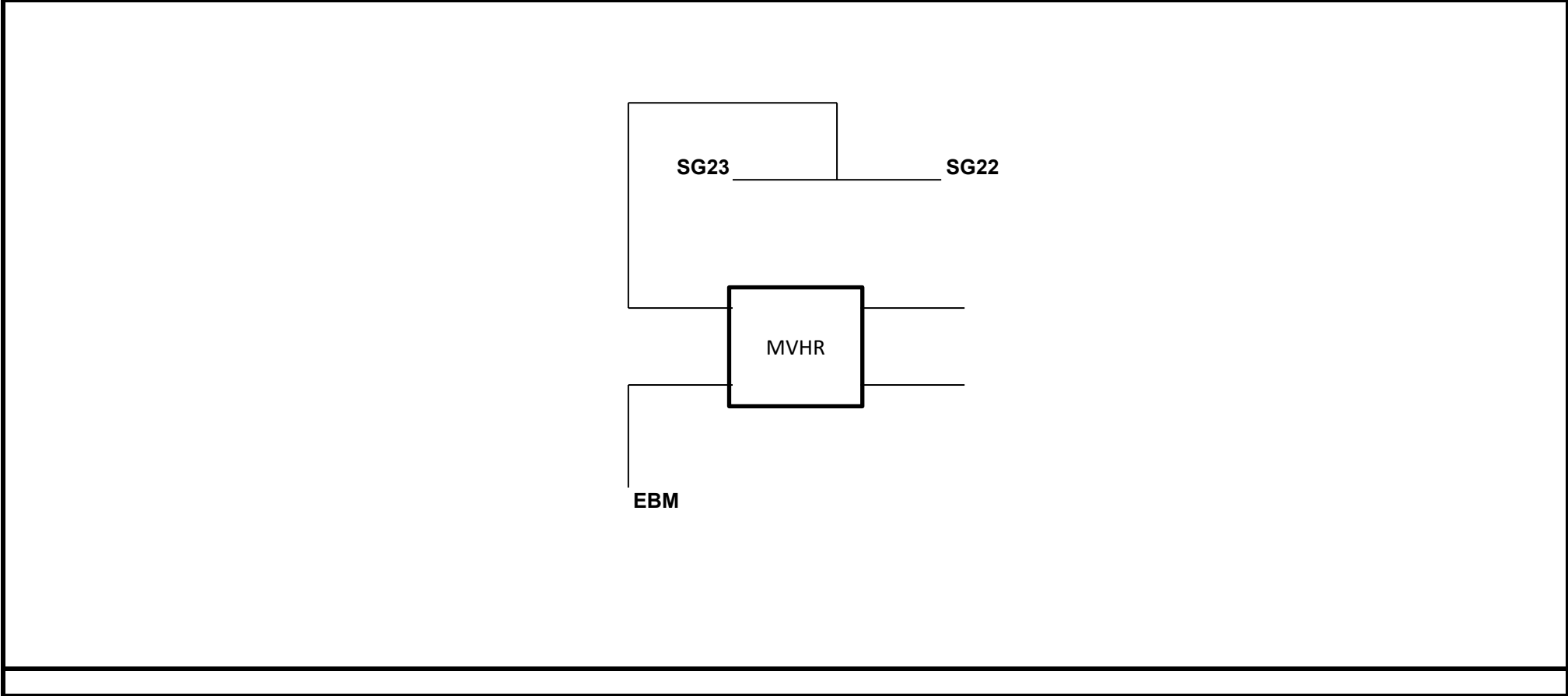
FAN TEST DIRECT DRIVE									
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Technical Details:									
Fan Manufacturer		SAMSUNG			Motor Power			0.45 kW	
Fan Type/Size		AN100JSKLKN			Voltage			240 V	
Motor Manufacturer		SAMSUNG							
Motor Frame No		NOT STATED							
Motor Serial No		BSS8P8							
Electrical	Design		Actual						
Running Current (A)		2.90		UTO					
Speeds		Design	Actual		Pressures		Design		Actual
Fan (rpm)		N/S	UTO		Static Head (pa)		N/S	Total	N/A
Motor (rpm)		N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)	N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m ²
									N/A
								Total	N/A
								No of Readings	N/A
								Average	N/A
			REFER TO NOTE BELOW					Vel (m/s)	N/A
								SP @Trav.	N/A
AIR VOLUME DESIGN (m ³ /s)		0.180		AIR VOLUME ACTUAL (m ³ /s)		0.192		AIR VOLUME % OF DESIGN	
								107	

COMMENTS

A & N Commissioning Ltd Tel: 07813437803 Sheet 4 of 4	Project: Holloway Head Girl Guides Job Ref 3137	Date: Feb-23 Engineer: AS Client: TNA
	System: Mezzanine	
	MVHR8 Supply & Extract	

SYSTEM SCHEMATIC



A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 1 of 4		System: Mezzanine MVHR9 Supply	Engineer: AS Client: TNA
Fan Ref: MVHR9		Test Inst Type: Micro	

FAN TEST DIRECT DRIVE

Technical Details:									
Fan Manufacturer		SAMSUNG			Motor Power			0.33 kW	
Fan Type/Size		AN080JSKLKN			Voltage			240 V	
Motor Manufacturer		SAMSUNG							
Motor Frame No		NOT STATED							
Motor Serial No		BSS7P8ST							
Electrical	Design		Actual						
Running Current (A)		2.10		UTO					
Speeds		Design	Actual		Pressures		Design		Actual
Fan (rpm)		N/S	UTO		Static Head (pa)		N/S	Total	N/A
Motor (rpm)		N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)	N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m ²
									Total
									No of Readings
									Average
			REFER TO NOTE BELOW						Vel (m/s)
									SP @Trav.
AIR VOLUME DESIGN (m ³ /s)		0.220		AIR VOLUME ACTUAL (m ³ /s)		0.226		AIR VOLUME % OF DESIGN	
								103	

A & N Commissioning Ltd		Project: Holloway Head Girl Guides Job Ref: 3137		Date: Feb-23	
Tel: 07813437803		System: Mezzanine MVHR9 Extract		Engineer: AS	
Sheet 2 of 4				Client: TNA	
Fan Ref: MVHR9		Test Inst Type: Micro			

FAN TEST DIRECT DRIVE

Technical Details:					
Fan Manufacturer	SAMSUNG		Motor Power	0.33	kW
Fan Type/Size	AN080JSKLKN		Voltage	240	V
Motor Manufacturer	SAMSUNG				
Motor Frame No	NOT STATED				
Motor Serial No	BSS7P8ST				

Electrical	Design	Actual	
Running Current (A)	2.10	UTO	

Speeds	Design	Actual	Pressures	Design		Actual
Fan (rpm)	N/S	UTO	Static Head (pa)	N/S	Total	N/A
Motor (rpm)	N/S	UTO	SP @ Inlet (pa)	N/A	SP @ Outlet (pa)	N/A

Duct Traverse TP1	Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m²	N/A
								Total	N/A
								No of Readings	N/A
								Average Vel (m/s)	N/A
								SP @Trav.	N/A

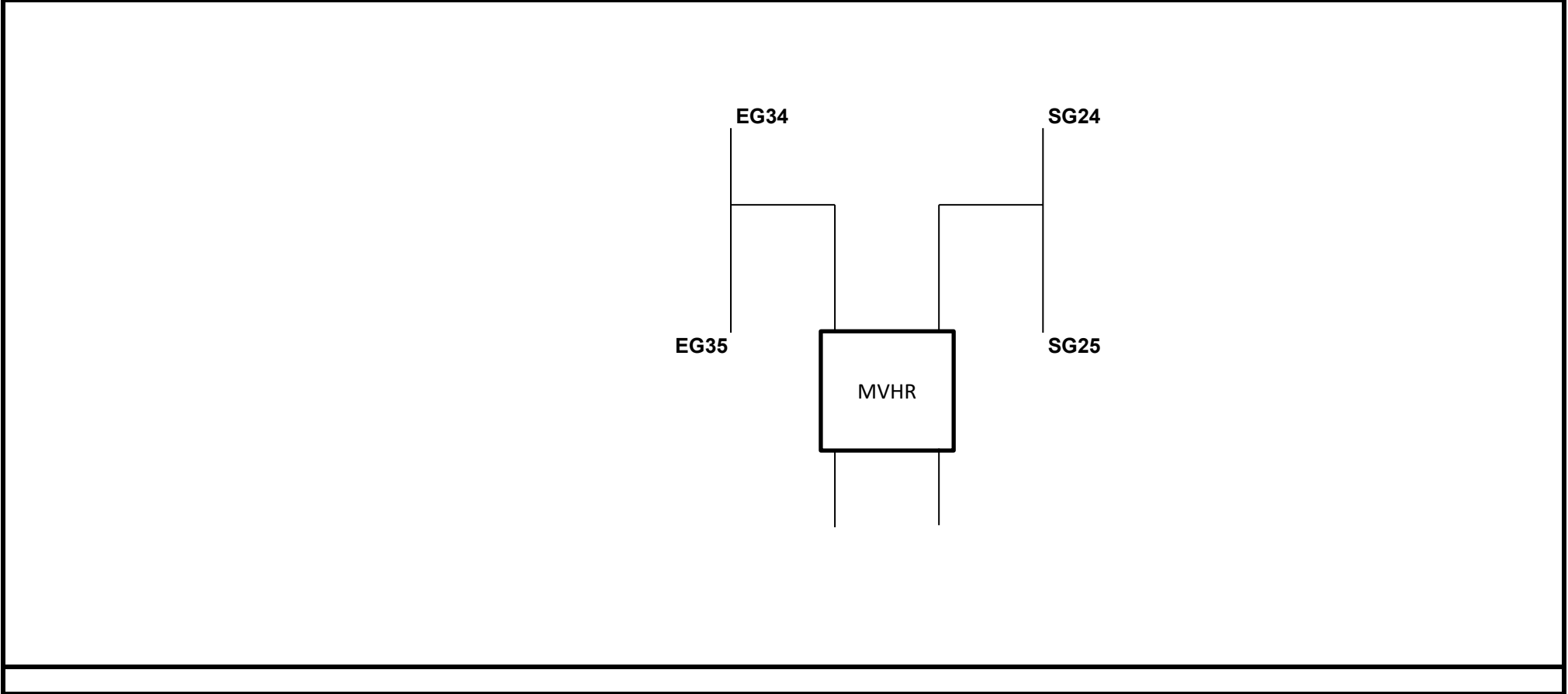
AIR VOLUME DESIGN (m³/s)	0.220	AIR VOLUME ACTUAL (m³/s)	0.240	AIR VOLUME % OF DESIGN	109
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COMMENTS TURBO SPEED
THE ABOVE TOTAL MEASURED VOLUME FOR FAN WAS GAINED VIA ADDITION OF ALL READINGS TAKEN ON OUTFIELD TERMINALS

COMMENTS

A & N Commissioning Ltd Tel: 07813437803 Sheet 4 of 4	Project: Holloway Head Girl Guides Job Ref 3137	Date: Feb-23 Engineer: AS Client: TNA
	System: Mezzanine MVHR9 Supply & Extract	

SYSTEM SCHEMATIC



A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 1 of 4		System: Mezzanine MVHR10 Supply	Engineer: AS Client: TNA
Fan Ref: MVHR10		Test Inst Type: Micro	

FAN TEST DIRECT DRIVE

Technical Details:									
Fan Manufacturer		NUAIRE			Motor Power			N/S kW	
Fan Type/Size		MR XBOX			Voltage			240 V	
Motor Manufacturer		NUAIRE							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m ²
								Total	N/A
								No of Readings	N/A
			REFER TO NOTE BELOW					Average Vel (m/s)	N/A
								SP @Trav.	N/A

A & N Commissioning Ltd Tel: 07813437803		Project: Holloway Head Girl Guides Job Ref: 3137	Date: Feb-23
Sheet 2 of 4		System: Mezzanine MVHR10 Extract	Engineer: AS Client: TNA
Fan Ref: MVHR10		Test Inst Type: Micro	

FAN TEST DIRECT DRIVE

Technical Details:									
Fan Manufacturer		NUAIRE			Motor Power			N/S kW	
Fan Type/Size		MR XBOX			Voltage			240 V	
Motor Manufacturer		NUAIRE							
Motor Frame No		NOT STATED							
Motor Serial No		NOT STATED							
Electrical	Design		Actual						
Running Current (A)		N/S		UTO					
Speeds	Design	Actual		Pressures		Design		Actual	
Fan (rpm)	N/S	UTO		Static Head (pa)		N/S	Total	N/A	
Motor (rpm)	N/S	UTO		SP @ Inlet (pa)		N/A	SP @ Outlet (pa)		N/A
Duct Traverse TP1		Height (mm)	N/A	Width (mm)	N/A	Duct Dia (mm)	N/A		Duct Area m ²
								Total	N/A
								No of Readings	N/A
			REFER TO NOTE BELOW					Average Vel (m/s)	N/A
								SP @Trav.	N/A

COMMENTS

A & N Commissioning Ltd Tel: 07813437803	Project: Holloway Head Girl Guides Job Ref 3137	Date: Feb-23 Engineer: AS Client: TNA
	System: Mezzanine MVHR10 Supply & Extract	
	Sheet 4 of 4	

SYSTEM SCHEMATIC

