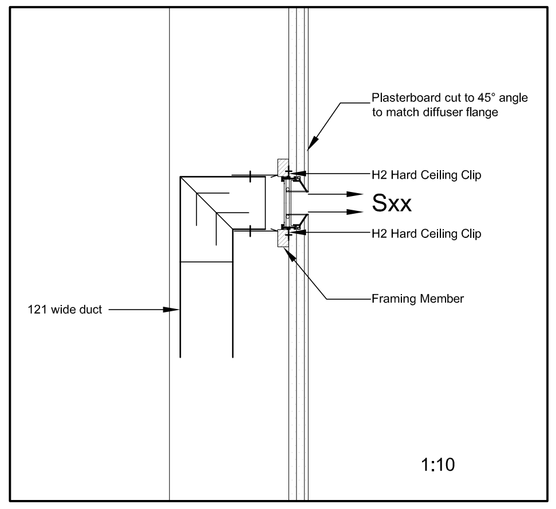
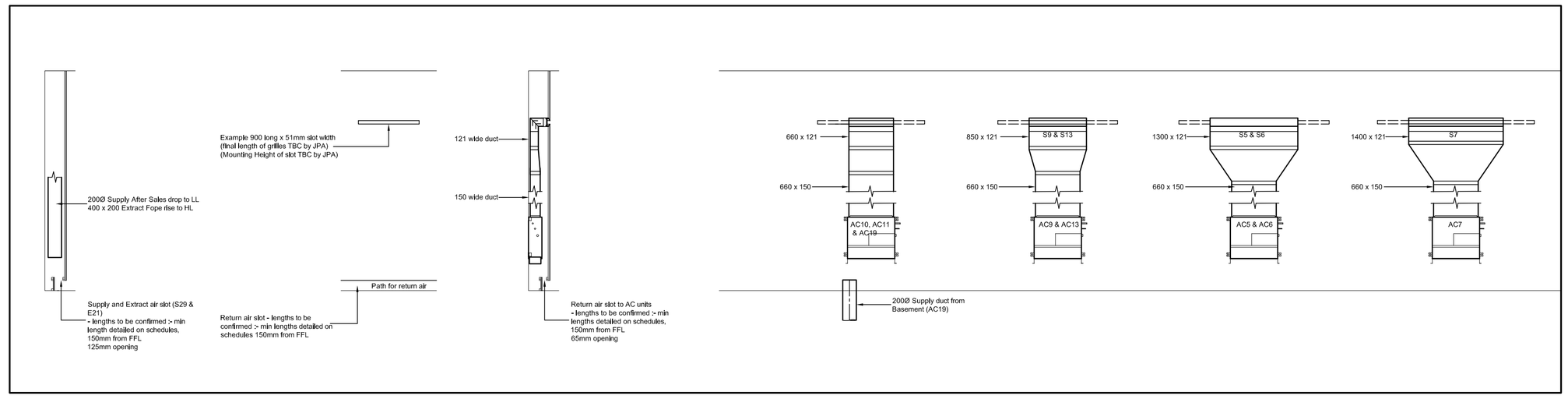
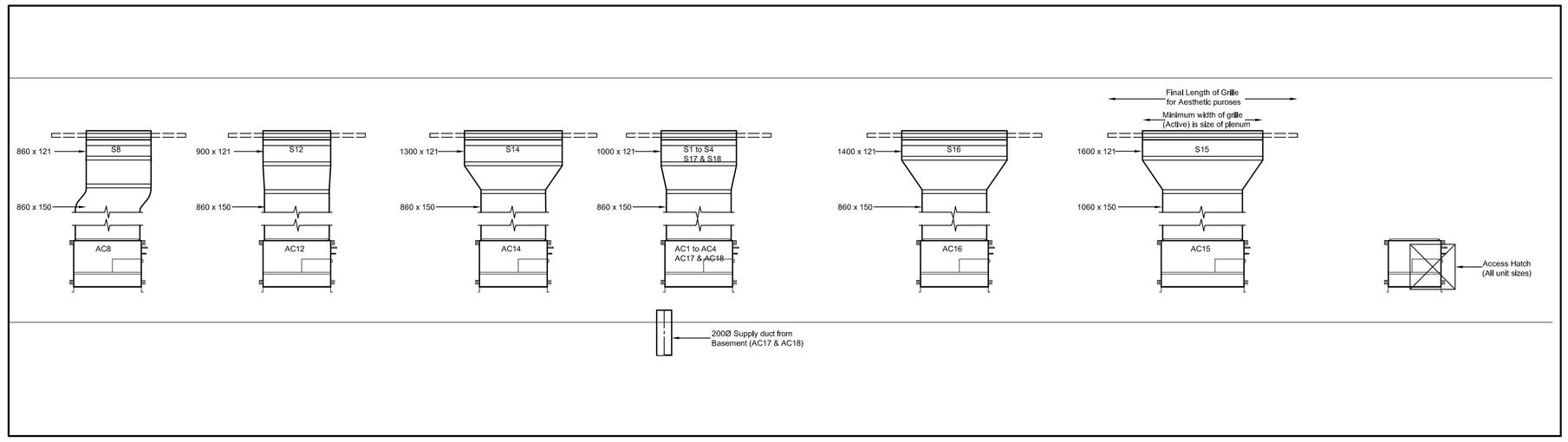
Reference	Revision
C3016 - 24 - M - 06.1	-







Supply Grille / Diffuser Schedule

Ref	Room Name	Qty	New / Existing	Size	Type	Manufacturers Reference	Plenum for active length, to include 90 deg bend with turning vanes	Volume Flow Rate (per plenum)	Resistance Pa (Inc Plenum)
S1	Hospitality (AC1)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1000 x 121 Plenum (length to suit void)	225l/s (225l/s/m)	33Pa
S2	Hospitality (AC2)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1000 x 121 Plenum (length to suit void)	225l/s (225l/s/m)	33Pa
S3	Hospitality (AC3)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1000 x 121 Plenum (length to suit void)	225l/s (225l/s/m)	33Pa
S4	Hospitality (AC4)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1000 x 121 Plenum (length to suit void)	225l/s (225l/s/m)	33Pa
S5	After Sales (AC5)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1300 x 121 Plenum (length to suit void)	117l/s (90l/s/m)	8Pa
S6	After Sales (AC6)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1300 x 121 Plenum (length to suit void)	117l/s (90l/s/m)	8Pa
S7	Estate Jewelery (AC7)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1400 x 121 Plenum (length to suit void)	117l/s (83l/s/m)	7Pa
S8	Mappin & Webb (AC8	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	860 x 121 Plenum (length to suit void)	183l/s (213l/s/m)	33Pa
S9	Small M & W (AC9)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	850 x 121 Plenum (length to suit void)	117l/s (138l/s/m)	14Pa
S10	Pasquale (AC10)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	660 x 121 Plenum (length to suit void)	142l/s (215l/s/m)	30Pa
S11	Fred (AC11)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	660 x 121 Plenum (length to suit void)	142l/s (215l/s/m)	30Pa
S12	Repossi (AC12)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	900 x 121 Plenum (length to suit void)	183l/s (203l/s/m)	27Pa
S13	Fope (AC13)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	850 x 121 Plenum (length to suit void)	117l/s (138l/s/m)	14Pa
S14	Choppard (AC14)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1300 x 121 Plenum (length to suit void)	183l/s (141l/s/m)	16Pa
S15	Lift (Left) (AC15)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1600 x 121 Plenum (length to suit void)	275l/s (172l/s/m)	22Pa
S16	Temp Display (AC16)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1400 x 121 Plenum (length to suit void)	225l/s (161l/s/m)	29Pa
S17	David Yuman (AC17)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1000 x 121 Plenum (length to suit void)	225l/s (225l/s/m)	33Pa
S18	Roberto (AC18)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	1000 x 121 Plenum (length to suit void)	225l/s (225l/s/m)	33Pa
S19	De Beers (AC19)	1	New	TBC x 121	Flobar JT 51mm Slot	55-JT-1-20-E2-F6-4-4	660 x 121 Plenum (length to suit void)	142l/s (215l/s/m)	30Pa
S29	After Sales	1	New	450 x 125	Builderswork Slot in w all	N/A (Size refers to opening size)		70l/s	5Pa

Extract Grille / Diffuser Schedule

Ref	Room Name	Qty	New / Existing	Size	Type	Manufacturers Reference	Plenum, Corner Sections & Dampers etc.	Volume Flow Rate (Per Plenum)	Resistance Pa (Inc Plenum)
E1a	Hospitality (AC1)	1	New	1000 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		102l/s	6Pa
E1b	Hospitality (AC1)	1	New	1200 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		123l/s	6Pa
E2a	Hospitality (AC2)	1	New	1200 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		123l/s	6Pa
E2b	Hospitality (AC2)	1	New	1000 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		102l/s	6Pa
E3	Hospitality (AC3)	1	New	2200 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		225l/s	6Pa
E4	Hospitality (AC4)	1	New	2200 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		225l/s	6Pa
E5	After Sales 1 (AC5)	1	New	1000 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		117l/s	6Pa
E6	After Sales 2 (AC6)	1	New	1700 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		187l/s	6Pa
E7	Estate Jewellery (AC7)	1	New	1000 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		117l/s	6Pa
E8	Mappin & Webb (AC8)	1	New	1700 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		183l/s	6Pa
E9a	Small Mappin & Webb (AC9)	1	New	500 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		59l/s	6Pa
E9b	Small Mappin & Webb (AC9)	1	New	500 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		58l/s	6Pa
E10	Pasquale (AC10)	1	New	1300 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		142l/s	5Pa
E11	Fred (AC11)	1	New	1300 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		142l/s	5Pa
E12a	Repossi (AC12)	1	New	850 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		91l/s	6Pa
E12b	Repossi (AC12)	1	New	850 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		92l/s	6Pa
E13	Fope (AC13)	1	New	1000 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		117l/s	6Pa
E14	Choppard (AC14)	1	New	1700 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		183l/s	6Pa
E15a	Lift (Left) (AC15)	1	New	1900 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		180l/s	6Pa
E15b	Lift (Left) (AC15)	1	New	1000 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		95l/s	6Pa
E16	Temp Display (AC16)	1	New	2200 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		225l/s	6Pa
E17a	David Yuman (AC17)	1	New	1100 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		112l/s	6Pa
E17b	David Yuman (AC17)	1	New	1100 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		113l/s	6Pa
E18a	Roberto (AC18)	1	New	635 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		65l/s	6Pa
E18b	Roberto (AC18)	1	New	1565 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		160l/s	6Pa
E19a	De Beers (AC19)	1	New	650 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		71l/s	5Pa
E19b	De Beers (AC19)	1	New	650 x 65	Builderswork Slot in w all	N/A (Size refers to opening size)		71l/s	5Pa
E21	Fope	1	New	950 x 125	Builderswork Slot in w all	N/A (Size refers to opening size)		215l/s	5Pa

Final Lengths of Flobar Slot diffusers & Builderswork Slots to be confirmed by JPA (Aesthetic purposes only (Minimum / Active Length as detailed on the plenum size (flobar) / size (Builderswork slot))

DX Unit Schedule (Indoor Units)

Ref	Area Serving / Position	Reference	Qty	Nominal cooling	Nominal Heating	Air Flow l/s	Height	Width	Depth	Weight	Phase	Fuse Rating	Power kW	Running A	Noise dBA @ 1.5m
	BASEMENT (EC1)														
AC1	Hospitality	PFFY-P50VCM-E	1	5.6kW	6.3kW	225	690	900	200	22.5kg	Single	6A	0.052	0.50	34
AC2	Hospitality	PFFY-P50VCM-E	1	5.6kW	6.3kW	225	690	900	200	22.5kg	Single	6A	0.052	0.50	34
AC3	Hospitality	PFFY-P50VCM-E	1	5.6kW	6.3kW	225	690	900	200	22.5kg	Single	6A	0.052	0.50	34
AC4	Hospitality	PFFY-P50VCM-E	1	5.6kW	6.3kW	225	690	900	200	22.5kg	Single	6A	0.052	0.50	34
AC5	After Sales 1	PFFY-P20VCM-E	1	2.2kW	2.5kW	117	690	700	200	18.0kg	Single	6A	0.022	0.25	26
AC6	After Sales 2	PFFY-P20VCM-E	1	2.2kW	2.5kW	117	690	700	200	18.0kg	Single	6A	0.022	0.25	26
	GROUND FLOOR (EC2)														
AC7	Estate Jewelery	PFFY-P20VCM-E	1	2.2kW	2.5kW	117	690	700	200	18.0kg	Single	6A	0.022	0.25	26
AC8	Mappin & Webb	PFFY-P40VCM-E	1	4.5kW	5.0kW	183	690	900	200	22.5kg	Single	6A	0.038	0.38	30
AC9	Small Mappin & Webb	PFFY-P20VCM-E	1	2.2kW	2.5kW	117	690	700	200	18.0kg	Single	6A	0.022	0.25	26
AC10	Pasquale	PFFY-P32VCM-E	1	3.6kW	4.0kW	142	690	700	200	18.5kg	Single	6A	0.031	0.34	30
AC11	Fred	PFFY-P32VCM-E	1	3.6kW	4.0kW	142	690	700	200	18.5kg	Single	6A	0.031	0.34	30
AC12	Repossi	PFFY-P40VCM-E	1	4.5kW	5.0kW	183	690	900	200	22.5kg	Single	6A	0.038	0.38	30
AC13	Fope	PFFY-P20VCM-E	1	2.2kW	2.5kW	117	690	700	200	18.0kg	Single	6A	0.022	0.25	26
AC14	Choppard	PFFY-P40VCM-E	1	4.5kW	5.0kW	183	690	900	200	22.5kg	Single	6A	0.038	0.38	30
	GROUND FLOOR (EC3)														
AC15	Lift (Left)	PFFY-P63VCM-E	1	7.1kW	8.0kW	275	690	1100	200	25.5kg	Single	6A	0.058	0.49	35
AC16	Temporary Display	PFFY-P50VCM-E	1	5.6kW	6.3kW	225	690	900	200	22.5kg	Single	6A	0.052	0.50	34
AC17	David Yuman	PFFY-P50VCM-E	1	5.6kW	6.3kW	225	690	900	200	22.5kg	Single	6A	0.052	0.50	34
AC18	Roberto	PFFY-P50VCM-E	1	5.6kW	6.3kW	225	690	900	200	22.5kg	Single	6A	0.052	0.50	34
AC19	De Beers	PFFY-P32VCM-E	1	3.6kW	4.0kW	142	690	700	200	18.5kg	Single	6A	0.031	0.34	30
DC1	Sales Area (Door Curtain) **EC4**	HP1000R DXE	1	7.4kW	8.3kW	364	348	1250	1303	52.0kg	Single	Fed from Outdoor Unit		0.80	57
DC2	De Beers (Door Curtain) **EC5**	HP1000R DXE	1	7.4kW	8.3kW	364	348	1250	1303	52.0kg	Single	Fed from Outdoor Unit		0.80	57
	BASEMENT (EC6)														
AC20	Managers Office	PLFY-P15VFM-E	1	1.7kW	1.9kW	133	245	570	570	14.0kg	Single	6A	0.020	0.19	30
AC21	Admin Office	PLFY-P40VFM-E	1	4.5kW	5.0kW	183	245	570	570	15.0kg	Single	6A	0.030	0.28	39
AC22	Staff Room	PLFY-P32VFM-E	1	3.6kW	4.0kW	142	690	700	200	18.5kg	Single	6A	0.031	0.34	30
-	Cassette Grilles (AC1 to AC3)	SLP-2FA Grille	3	-	-	-	10	625	625	3.0kg	-	-	-	-	-
21No PAR-41MAA Wired remote controller, 18No CMY-Y62G-E Branch Pipes															
DC1 & DC2 Overall Grille Size 1303mm x 539mm															

DX Unit Schedule (Condensers)

Ref	Position	Reference	Qty	Nominal cooling	Nominal Heating	Air Flow l/s	Height	Width	Depth	Weight	Phase	Fuse Rating	Starting Current	Running A	Noise dBA @ 1.5m & 10m
EC1	Plant Area Above Stairs (Right)	PUMY-P250YBM2	1	28.0kW	31.5kW	3050	1662	1050	505	192kg	Three	32A	7.0A	12.74A	
EC2	Plant Area Above Stairs (Right)	PUMY-P250YBM2	1	28.0kW	31.5kW	3050	1662	1050	505	192kg	Three	32A	7.0A	12.74A	55 & 41
EC3	Plant Area Above De Beers	PUMY-P250YBM2	1	28.0kW	31.5kW	3050	1662	1050	505	192kg	Three	32A	7.0A	12.74A	55 & 41
EC4	Plant Area Above De Beers	PUZ-ZM71VHA2	1	7.4kW	8.3kW	917	943	950	355	67kg	Single	25A	5.3A	25.00A	55 & 41
EC5	Plant Area Above De Beers	PUZ-ZM71VHA2	1	7.4kW	8.3kW	917	943	950	355	67kg	Single	25A	5.3A	25.00A	49 & 35
EC6	Plant Area Above De Beers	PUMY-SP112YKM2	1	12.5kW	14.0kW	1284	981	1050	370	94kg	Three	16A	7.0A	6.78A	49 & 35
21No PAR-41MAA Wired remote controller, 18No CMY-Y62G-E Branch Pipes															
Notes - External Condensers are switched off at night when store alarm is switched on. Noise levels based under free field conditions i.e. no reflective surfaces.															
As Manufactured by Mitsibishi.															

NOTES:
TO BE READ IN CONJUNCTION WITH THE A4 SCHEDULES C3016-SCH-M01 to M23, AND DRAWING NUMBERS C3016-24-M-01.1, C3016-24-M-01.2, C3016-24-M-02.1, C3016-24-M-02.2, C3016-24-MS-01.1, C3016-24-MS-01.2,

Rev	Date	Description	By	Chk
-	29/08/24	First Issue	MT	-

Status
FOR APPROVAL

Oak Electrical
BUILDING SERVICES ENGINEERS
Werner Court, Blue Ridge Park, Glasshoughton
(M62 - J32) Castleford, West Yorkshire
Telephone (01977) 55 55 92 Fax (01977) 55 52 46
◉ CASTLEFORD ○ BIRMINGHAM
www.oak-electrical.com info@oak-electrical.com

Client
Watches of Switzerland Group
2 Elland Road
Braunstone
Leicester, LE3 1TT

Project
Mappin & Webb
17-21 St Anns Square
Manchester
M2 7PW

Drawing Title
MECHANICAL SERVICES
AC Sections / Return Air Sections

Drawing No	Revision
C3016 - 24 - M - 06.1	-

Scale	Date	Engineer	Checked
1:50 @ A1	August 2024	MT	BP

CAD ORIGINAL - Do not modify by hand.