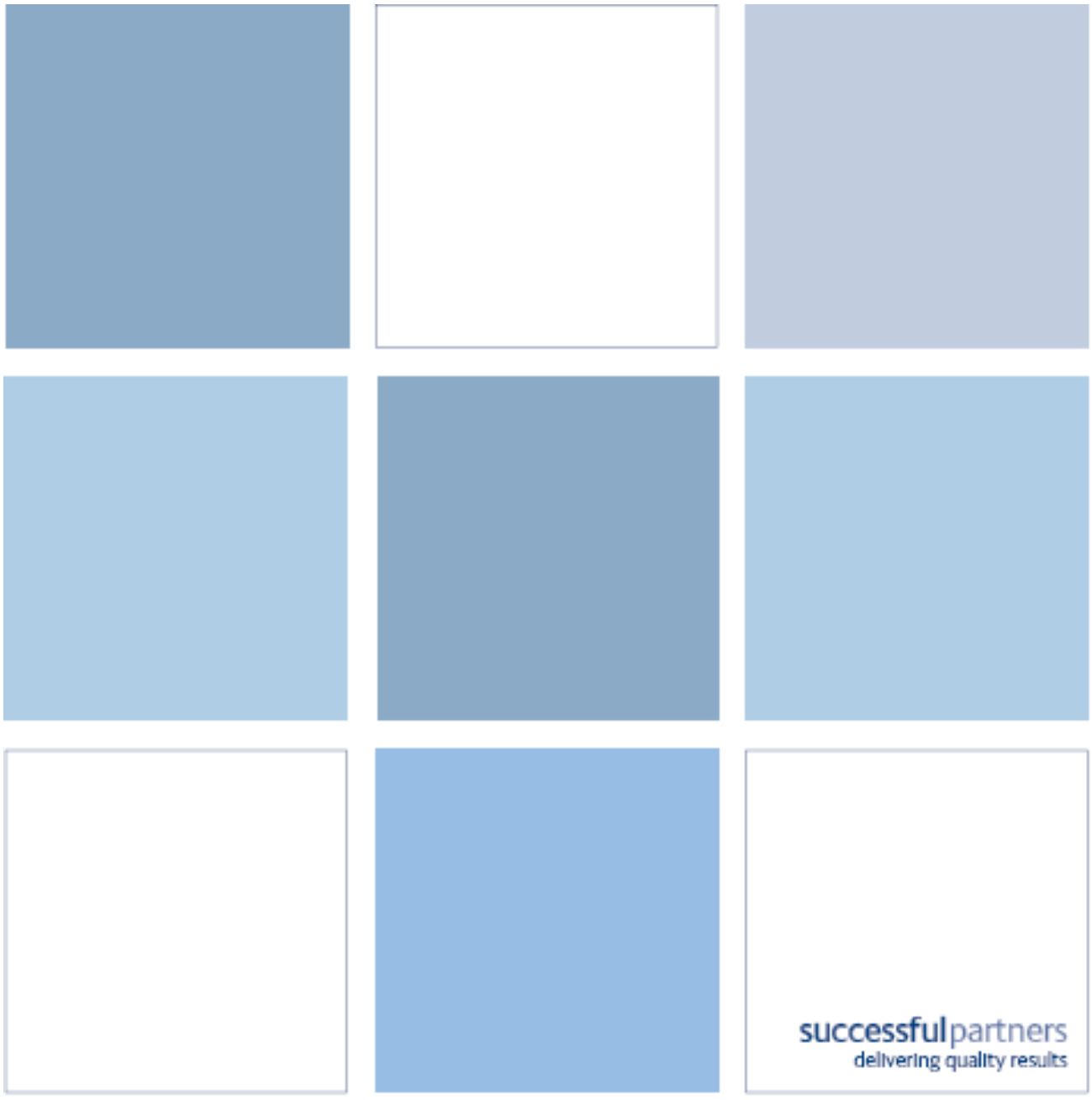
Smithfields – Phase 6

External Equipment



Quality Management

Prepared by:	Paul Livesey
Authorised by:	Chris Bradburn
Date:	13th June 2012
Project Number/Document Reference:	g:\current jobs\nw6652\h\h3\12-06-13 pl, smithfield design statement.doc

The following indicates the envisaged external plant / equipment to be installed at Smithfield Phase 6. Please refer to appendix for the roof plans.

1. Future Commercial Plant

At this juncture we are not aware of the final tenants to occupy the ground floor commercial spaces.

It is however envisaged that the following rooftop plant shall be installed with dedicated plant spaces provided at fourth floor for the East commercial space and ninth floor for the west commercial space.

- Kitchen Extract ductwork discharge
- Air source heat pump condensers

Plant at these levels shall be acoustically treated as indicated with the acoustic report.

Plant on the fourth floor roof shall be shielded from view by a purpose built plant screen

Plant at level 9 shall be positioned out of sight from the ground floor.

2. Standby Generator

A standby generator for life safety systems shall be installed at the ninth floor roof plantspace.

As the generator is for life safety and will only be used in an emergency or for routine maintenance, it is proposed that the unit will not be required to meet the plant noise ratings indicated within the acoustic report.

The generator shall however be installed in an acoustic enclosure to reduce the noise output, and will be located out of sight from the ground floor.

3. Sky television

Networked Sky television satellite dishes shall be installed at both roof plant spaces on the fourth and tenth floor roof levels. These shall be positioned out of sight from the ground floor.

4. Corridor Smoke Extract Systems

Smoke extract fans shall be installed on the fourth floor roof to provide corridor smoke extract ventilation.

Fans shall also be installed in the vertical shaft on the east stair core and should not be visable from the ground.

5. Flue Terminals

The building shall have a number of vertical flues which serve individual apartment boilers. The flues shall terminate with a penthouse style louvre terminal as indicated below, in accordance with the clean air act.



Example of Flue terminals

6. External Lighting

Building perimeter, entrance and egress routes, and balconies shall be illuminated with energy efficient 'dark sky' compliant luminaires controlled via photo cells.



Example of Typical External Light fitting

APPENDIX A

NW6652/04/ME/5900 - Level 4 Roof Plan

NW6652/10/ME/5900 - Level 10 Roof Plan



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1:200

0 5 10 20 30 50 100

Do NOT Scale from this Drawing. Work to Figured Dimensions. Dimensions in Millimetres unless Stated Otherwise

Ref.	Detail of Revision	Drawn/Date	Checked/Approved

Special Notes:

Safety, Health & Environment Information

In addition to the hazards/risks normally associated with the types of work detailed on this drawing take note below. It is assumed that all works on this drawing will be carried out by a competent contractor, working, where appropriate, to an appropriate method statement.

Construction Risks	Maintenance/Cleaning Risks	Demolition/Adaption Risks

Architect
MWA+D
Mark Weintraub Architecture & Design LLP

Client
MUSE

Project
Phase 6
Smithfield, Northern Quarter
Manchester

Drawing Title
Level 04
Roof Plant Layout

Drawing No. NW6652/04/ME/5900 Rev. P1

Scale @ A1: 1:200 @ A3
Date: Jun 2012
Issue: Preliminary
Drawn: PL
Checked: PL
Approved: CAB

RPS
Building 8
Exchange Quay
Manchester. M5 3EJ
t +44 (0)161 7868550
f +44 (0)161 786 8551
e infoman@rwgregory.co.uk
w www.rpsgroup.com

top member
A firm Accredited to BS EN ISO 9001 & BS EN ISO 14001

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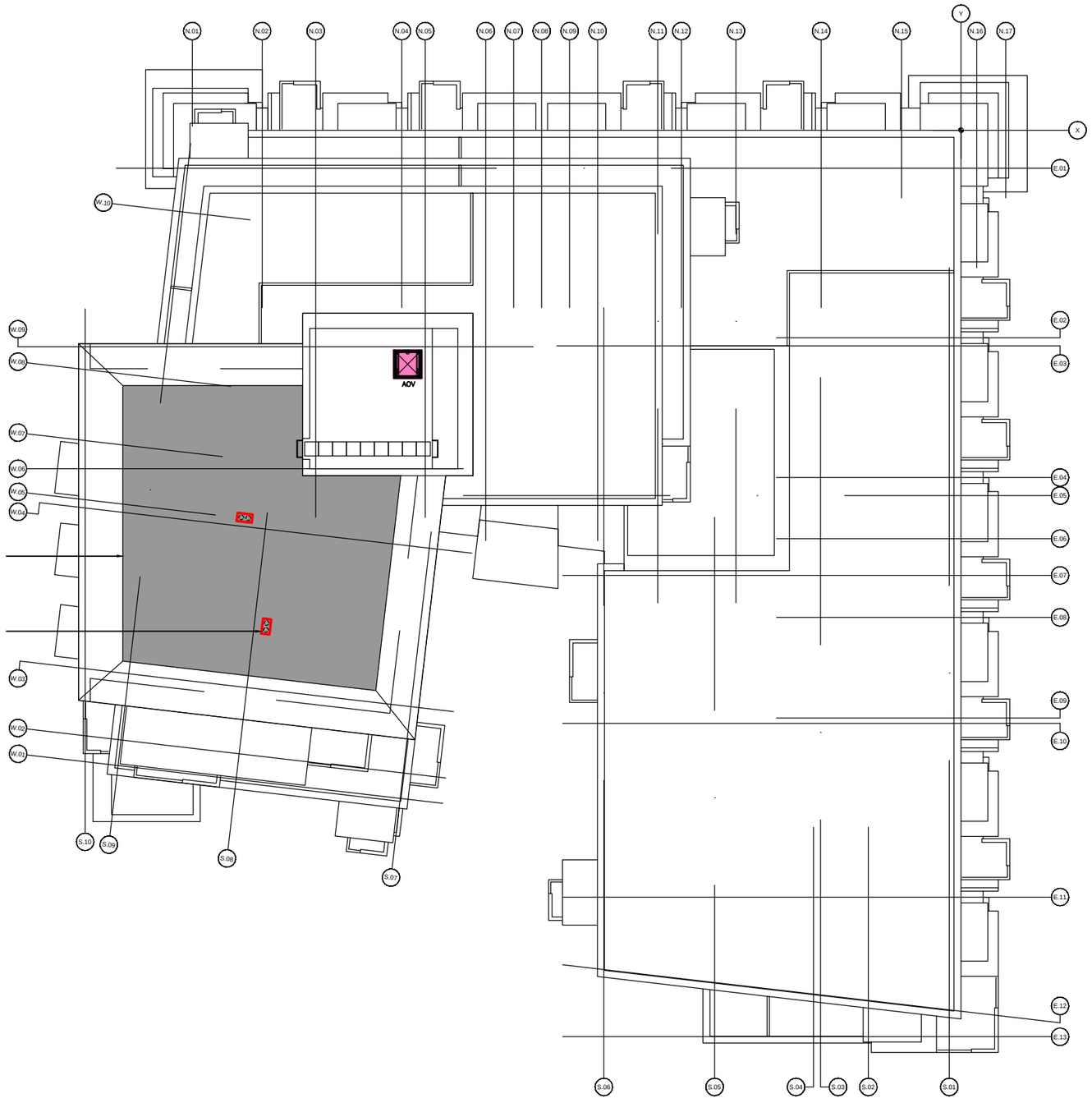

LEVEL 10 EXTERNAL PLANTSPACE FOR WEST COMMERCIAL PLANT LIFE SAFETY GENERATOR SATELLITE TV DISHES

FLUE & COMBUSTION AIR VENT TERMINALS IN ACCORDANCE WITH THE CLEAN AIR ACT

ASK-120404-11
1:200

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Ref.	Detail of Revision	Drawn/Date	Checked/Approved

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MWA+D Mark Weintraub Architecture & Design LLP

Client
MUSE

Project
Phase 6
Smithfield, Northern Quarter
Manchester

Drawing Title
Level 10
Roof Plant Layout

Drawing No.	Rev.
NW6652/RF/ME/5111	P1

Scale @ A1	Date	Issue
1:200 @ A3	Mar 2012	Preliminary

Drawn	Checked	Approved
PL	PL	CAB

RPS
Building 8
Exchange Quay
Manchester. M5 3EJ
t +44 (0)161 7868550
f +44 (0)161 786 8551
e infoman@rwgregory.co.uk
w www.rpsgroup.com

top member
A firm Accredited to BS EN ISO 9001 & BS EN ISO 14001

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