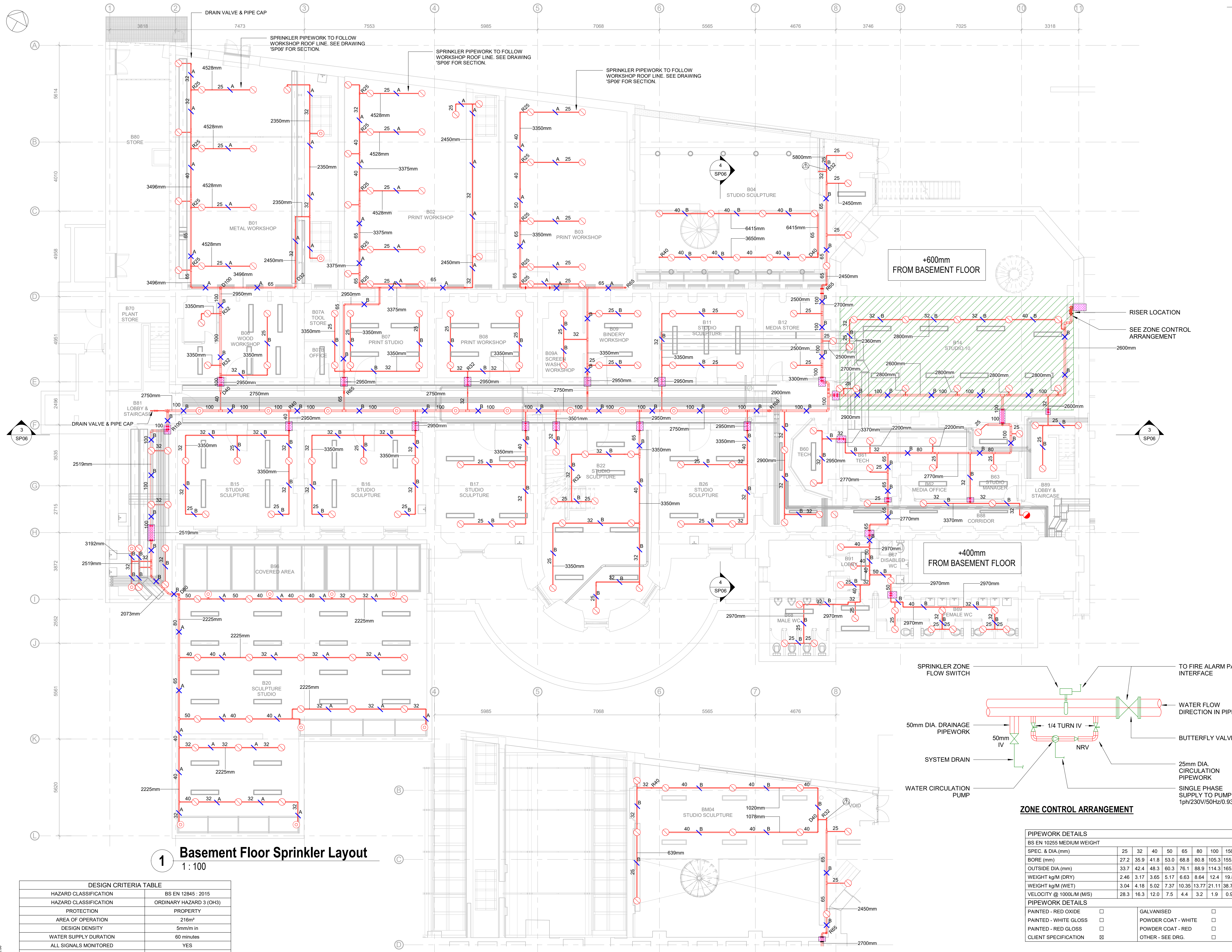




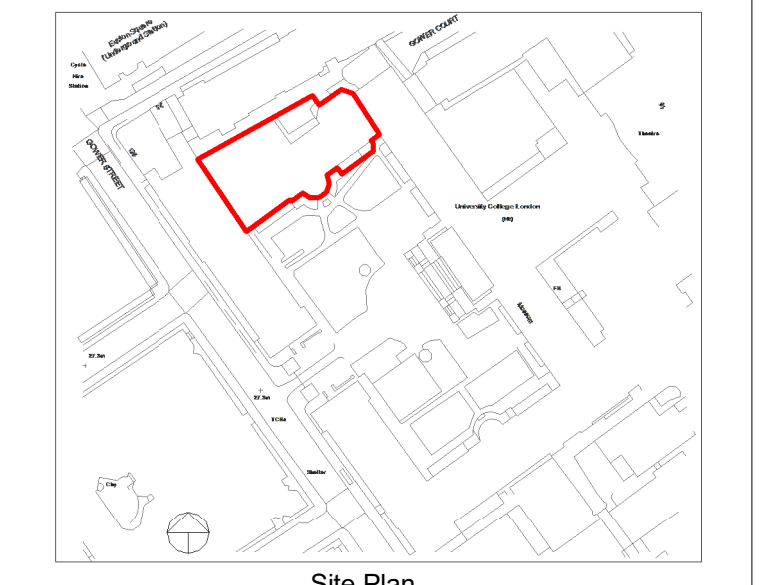
1 Basement Floor Sprinkler Layout
1 : 100

2 Basement Mezz Sprinkler Layout
1 : 100

DESIGN CRITERIA TABLE	
HAZARD CLASSIFICATION	BS EN 12845 : 2015
HAZARD CLASSIFICATION	ORDINARY HAZARD 3 (OH3)
PROTECTION	PROPERTY
AREA OF OPERATION	216m²
DESIGN DENSITY	5mm/m in
WATER SUPPLY DURATION	60 minutes
ALL SIGNALS MONITORED	YES
MAXIMUM PROTECTION AREA PER SPRINKLER	12m²
SPRINKLER K FACTOR	K80
SPRINKLER ORIFICE	15mm
SPRINKLER SYSTEM TYPE	WET SYSTEM

- NOTES
- THIS IS A PRE APPLICATION INFORMATION DRAWING AND SHALL NOT BE USED FOR CONSTRUCTION OR INSTALLATION PURPOSES.
 - DO NOT SCALE OFF THIS DRAWING.
 - ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMPLETING SHOP DRAWINGS AND SETTING OUT WORK
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE TECHNICAL SPECIFICATION AND ASSOCIATED EQUIPMENT SCHEDULES.
 - FOR FIRE COMPARTMENTATION DETAILS SEE DRAWING: SP08
 - FOR BRACKET FIXING DETAILS SEE DRAWING: SP07
 - PIPE HEIGHTS REFERENCE FINISHED FLOOR LEVEL
 - BRACKET TYPE & LOCATION TO BE SPECIFIED ON SITE

- LEGEND:
- SPRINKLER PIPEWORK
 - SPRINKLER - PENDANT
 - SPRINKLER - CANDLE STICK PENDANT
 - WALL PIPE PENETRATION AREAS
 - SLAB/FLOOR PIPE FROM FLOOR BELOW PENETRATION AREAS
 - MOST FAVOURABLE AREA (AS PER PUMP PERFORMANCE CURVE)
 - A CLAMPED SINGLE BRACKET PIPE SUPPORT
 - A CLAMPED DOUBLE BRACKET PIPE SUPPORT
 - B DRILLED SINGLE BRACKET PIPE SUPPORT
 - B DRILLED DOUBLE BRACKET PIPE SUPPORT
 - SPRINKLER PIPEWORK CONNECTS TO MEZZANINE



Site Plan

Rev	Date	Description	Chk'd	App'd
T1	09.07.20	TENDER ISSUE	SD	SD

Client



Building Services & Fire Engineering Consultants

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South Barn, Crockham Park,
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Kent, TN8 6SR
England

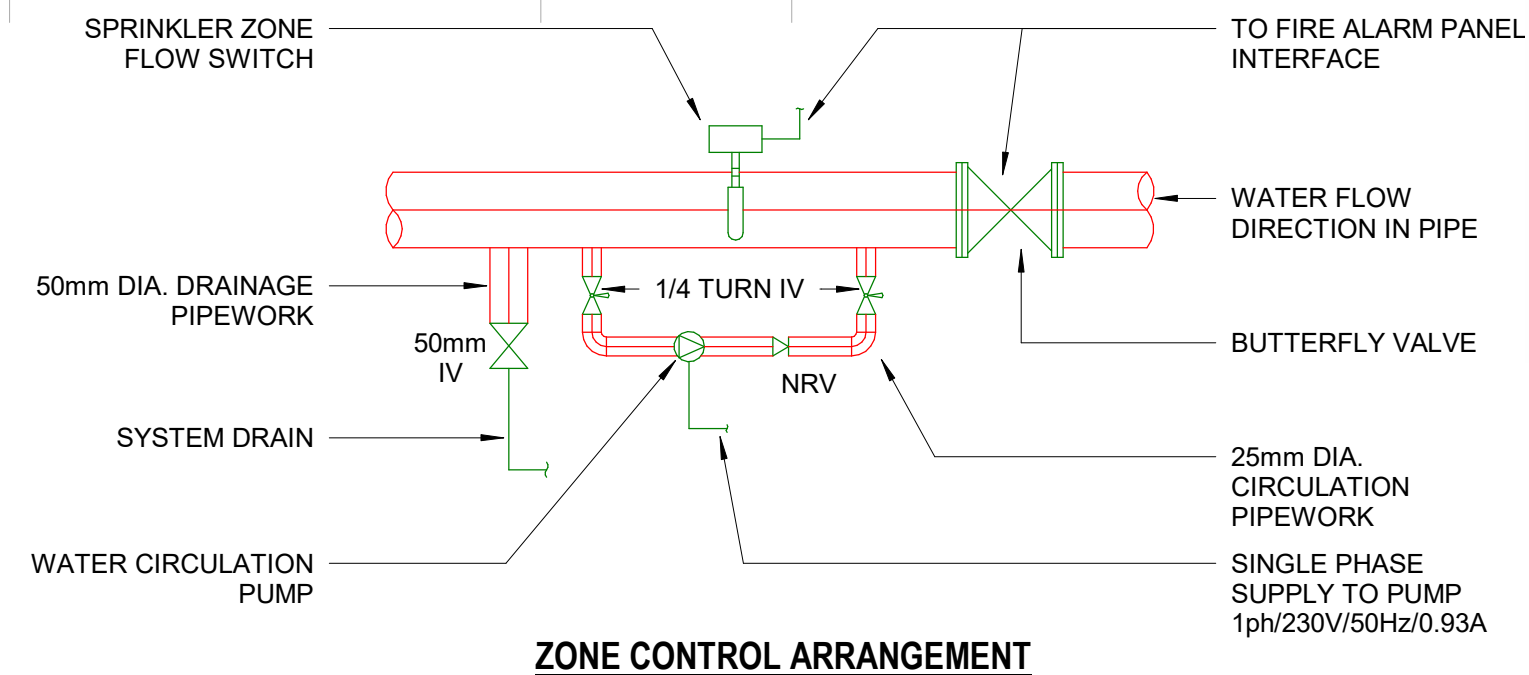
TEL: +44 (0)1732 860460
www.osbornassociates.co.uk

Project
**UNIVERSITY COLLEGE LONDON
SLADE SCHOOL OF ART
SPRINKLER INSTALLATION**

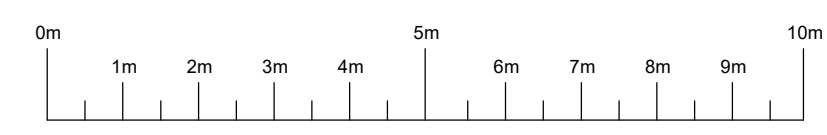
Drawing
**BASEMENT FLOOR &
BASEMENT MEZZANINE FLOOR
SPRINKLER LAYOUT**

Scale @ A1	As indicated	CAD Ref. File Path	C:\OSB\Files\Osborn\1955-1958\1955 UCL Slade School of Art\Drawings
Drawn	HS	Chk'd/App'd	SD/SD
Job No.	1955	Dwg No.	SP01
		Date	JULY.20
		Rev	T1

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PIPEWORK DETAILS	
BS EN 10255 MEDIUM WEIGHT	
SPEC. & DIA.(mm)	25 32 40 50 65 80 100 150
BORE (mm)	27.2 35.9 41.8 53.0 68.8 80.8 105.3 155.4
OUTSIDE DIA.(mm)	33.7 42.4 48.3 60.3 76.1 88.9 114.3 165.1
WEIGHT kg/M (DRY)	2.46 3.17 3.65 5.17 6.63 8.64 12.4 19.8
WEIGHT kg/M (WET)	3.04 4.18 5.02 7.37 10.35 13.77 21.11 38.77
VELOCITY @ 1000L/M (M/S)	28.3 16.3 12.0 7.5 4.4 3.2 1.9 0.9
PIPEWORK DETAILS	
PAINTED - RED OXIDE	☐
PAINTED - WHITE GLOSS	☐
PAINTED - RED GLOSS	☐
CLIENT SPECIFICATION	☒
GALVANISED	☐
POWDER COAT - WHITE	☐
POWDER COAT - RED	☐
OTHER - SEE DRG.	☐



SCALE 1:100 @ A1