

PIPE SIZES UNLESS OTHERWISE STATED:
TO BE CONFIRMED

ANY CHANGES THAT INCLUDES A CEILING MOUNTED
ITEM CLOSER THAN 1000MM TO A SPRINKLER MUST
HAVE APPROVAL FROM THE SPRINKLER DESIGNER.

TRACE HEATING & LAGGING TO BE INSTALLED BY
SPRINKLER CONTRACTOR, HOWEVER POWER
SUPPLIES TO BE PROVIDED BY OTHERS

DESIGN CALCULATIONS						
SPRINKLER LOCATION	AREA OF OPERATION	DEMAND	HEAD TYPE	DYN. PRESSURE (bar)	FLOW RATE (l/min)	M.H.D
1	-	2 HEAD	RAPIDROP RD208	-	-	-

APPROVAL CHART	
RESIDENTIAL CONCEALED PENDANT SPRINKLER RD208 K=70.6 (4.9)	
MAXIMUM AREA OF COVERAGE	MINIMUM WATER SUPPLY REQUIREMENTS
3.7m x 3.7m	49.2 l/min@0.48 bar
4.3m x 4.3m	49.2 l/min@0.48 bar
4.9m x 4.9m	49.2 l/min@0.48 bar
5.5m x 5.5m	64.4 l/min@0.83 bar
6.1m x 6.1m	75.7 l/min@1.27 bar

PROJECT ID: 10057

DESIGN CRITERIA:	
SYSTEM DESIGN RULES	BS9251:2021
SOURCE & DURATION	TOWN MAIN SUPPLY - 30 MINUTES
COMPENSATORY FEATURES	N/A
ALARM	INTERFACED WITH 240V SMOKE
FIRE STOPPING MATERIAL	T.B.C

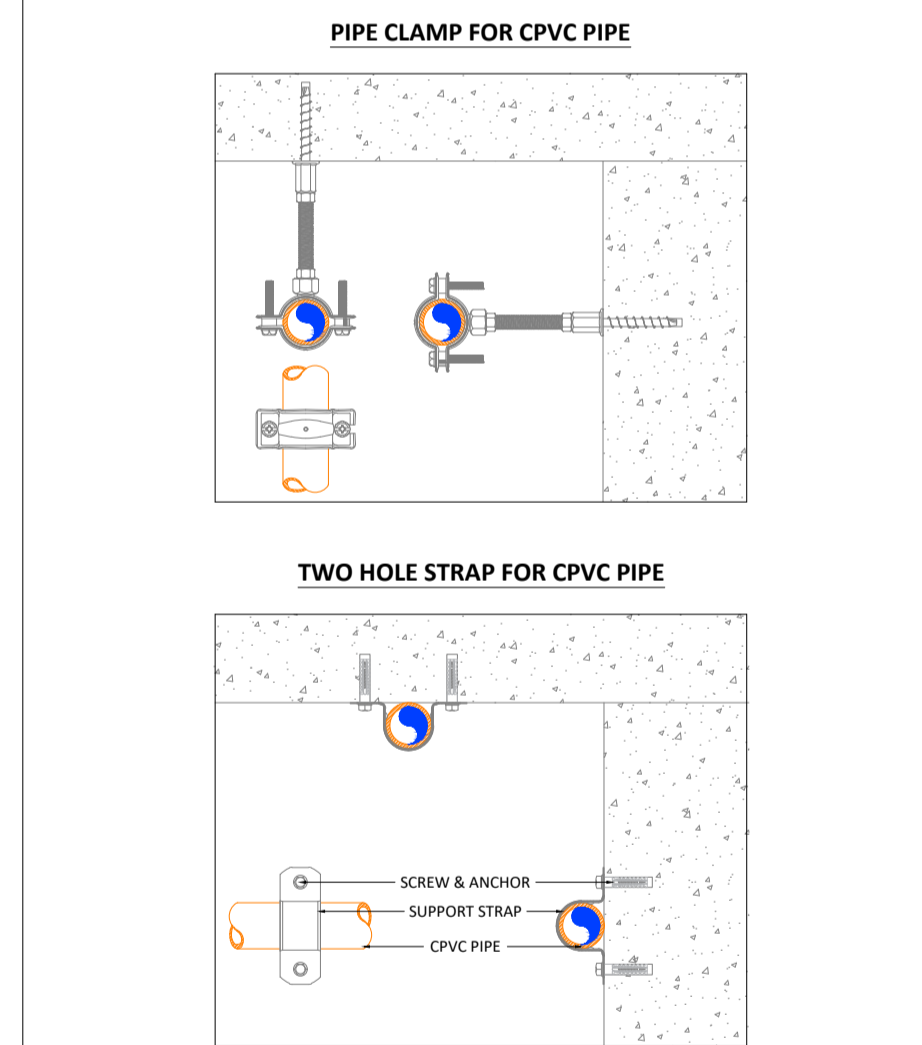
DESIGN DETAIL:	RESIDENTIAL AREAS:	NON RESIDENTIAL AREAS:
CATEGORY (BS9251:2021 TABLE 1)	2	-
TABLE (1,3,4)	1	-
HEAD STANDARD	UL1626	-
DENSITY mm/min (l/min/M2)	2.8	-
SPRINKLER PIPEWORK	CPVC	-
MINIMUM SPRINKLER PRESSURE	0.50 BAR	-
MINIMUM SPRINKLER SPACING	2.4M	-
MAXIMUM AREA/HEAD (M2)	25	-

SYSTEM ENHANCEMENTS	
WATER SUPPLY ARRANGEMENT	-
POWER SUPPLY CONFIG.	-
DURATION	-
DENSITY mm/min (l/min/M2)	-
F.B. INLET	-
REMOTE MONITORING	-

DEPARTURE FROM RULES / CLAUSES USED:	AHJ AGREEMENT
CORRIDOR PROTECTION	TO BE CONFIRMED / DEVIATION
-	-
-	-
-	-

HANGERS AND SUPPORTS SPACING (METERS)		
NOMINAL PIPE SIZE: (MILLIMETERS)	CPVC	MEDIUM WEIGHT STEEL
(20)	(1.7)	(2.4)
(25)	(1.8)	(2.4)
(32)	(2.0)	(2.0)
(40)	(2.1)	(2.1)
(50)	(2.4)	(2.4)
(65)	(2.7)	(2.7)
(80)	(3.0)	(3.0)

DRAWING LEGENDS & NOTES	
	SPRINKLER: CONCEALED / PENDANT / UPRIGHT / SIDEWALL / LOW FLOW
	CPVC PIPE/RISER
	MEDIUM WEIGHT STEEL PIPE/RISER
	SPRINKLER VALVE GROUP



REV.	REVISION DETAIL	DRN.	CHK'D	DATE
A09	UPDATED LAYOUTS INCORPORATED	C.A.B	A.P.M	13/11/24
A08	PIPE ROUTE AMENDED	C.A.B	A.P.M	02/06/23
A07	LATEST GA'S INCORPORATED	C.A.B	A.P.M	22/05/23
A06	FLOOR VOID PIPE ROUTES AMENDED	C.A.B	A.P.M	28/09/22
A05	COMMENTS INCORPORATED	C.A.B	A.P.M	06/09/22
A04	COMMENTS INCORPORATED	C.A.B	A.P.M	17/08/22
A03	DRAWING BORDERS AMENDED	C.A.B	A.P.M	19/07/22
A02	UPDATED LAYOUTS INCORPORATED SPRINKLER HEADS & PIPE ROUTES AMENDED AS PER SITE VISIT SPRINKLER PROTECTION OMITTED FROM THE ANNEXE SPRINKLER POSITIONS AMENDED UTILISING ROOM SECTIONS	C.A.B	A.P.M	24/02/22

TRIANGLE FIRE SYSTEMS
SPECIALISTS IN FIRE SPRINKLERS & DCP FIRE RINGS

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DRAWING TITLE:
SPRINKLER LAYOUT
FIRST FLOOR
RESIDENTIAL HIGH FLOW DESIGN

CLIENT:
SCOTCH PARTNERS LLP
90 HIGH HOLBORN
LONDON, WC1V 6LJ

PROJECT:
THE HOOD: SCHEME 3
17 LYNHURST GARDENS
HAMPSTEAD, LONDON, NW3 5NU

DRAWN:	CHECKED:	APP:
C.A.B	S.E.W	A.P.M
DATE:	DATE:	DATE:
01/09/21	03/09/21	03/09/21

CLIENT INFORMATION:
PLEASE REVIEW THIS DRAWING AND ADVISE TRIANGLE FIRE SYSTEMS LTD BY RETURN IF YOU WISH TO MAKE ANY COMMENTS, OR ARE AWARE OF ANY FACTORS THAT MAY AFFECT OUR DESIGN LAYOUT OR INSTALLATION. N.B., POSITIONING OF SPRINKLERS IS CRITICAL TO ENSURE COMPLIANCE WITH DESIGN STANDARD. PLEASE FORWARD THIS DRAWING TO ALL PARTIES INVOLVED IN THE DESIGN APPROVAL PROCESS INCLUDING THE AUTHORITY HAVING JURISDICTION E.G. FIRE OFFICER, BUILDING CONTROL ETC. INFORMATION THAT EFFECTS THE TIMELY COMPLETION OF OUR DESIGNS OR RESULT IN CHANGES TO THE ORIGINAL SCOPE OF WORK WILL BE RECORDED AND PROCESSED AS A VARIATION TO THE ORIGINAL CONTRACT. SPRINKLERS & COVER PLATES MUST NOT BE PAINTED. SPRINKLER PIPE ROUTES HAVE BEEN CO-ORDINATED WITH THE INFORMATION PROVIDED PIPE ROUTES MAY VARY ON SITE.

EXTERNAL DRAWING REFERENCE:
ARCH: 2622 Link-First Floor Layout
ELECTRICAL: 6533 - Main House - Lighting Layout First Floor
6731 - Lodge - Lighting Layout
MECHANICAL: -

DRAWING STATUS:
FOR APPROVAL

SCALE:
1:75

SIZE:
A1

DRAWING NUMBER:
TFS-RS-10057-0L012

REV:
A09