

PIPE SIZES UNLESS OTHERWISE STATED:
TO BE CONFIRMED

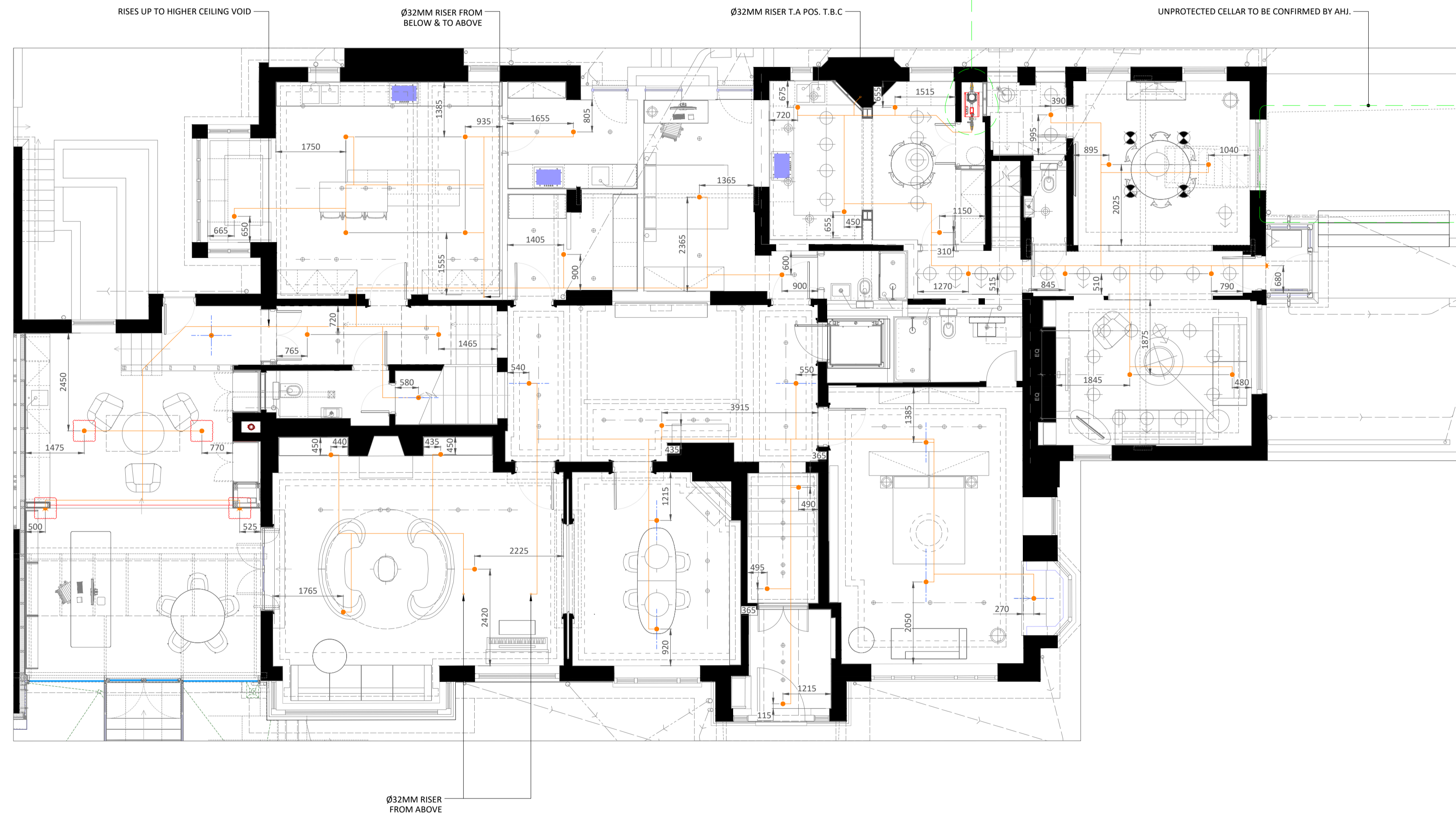
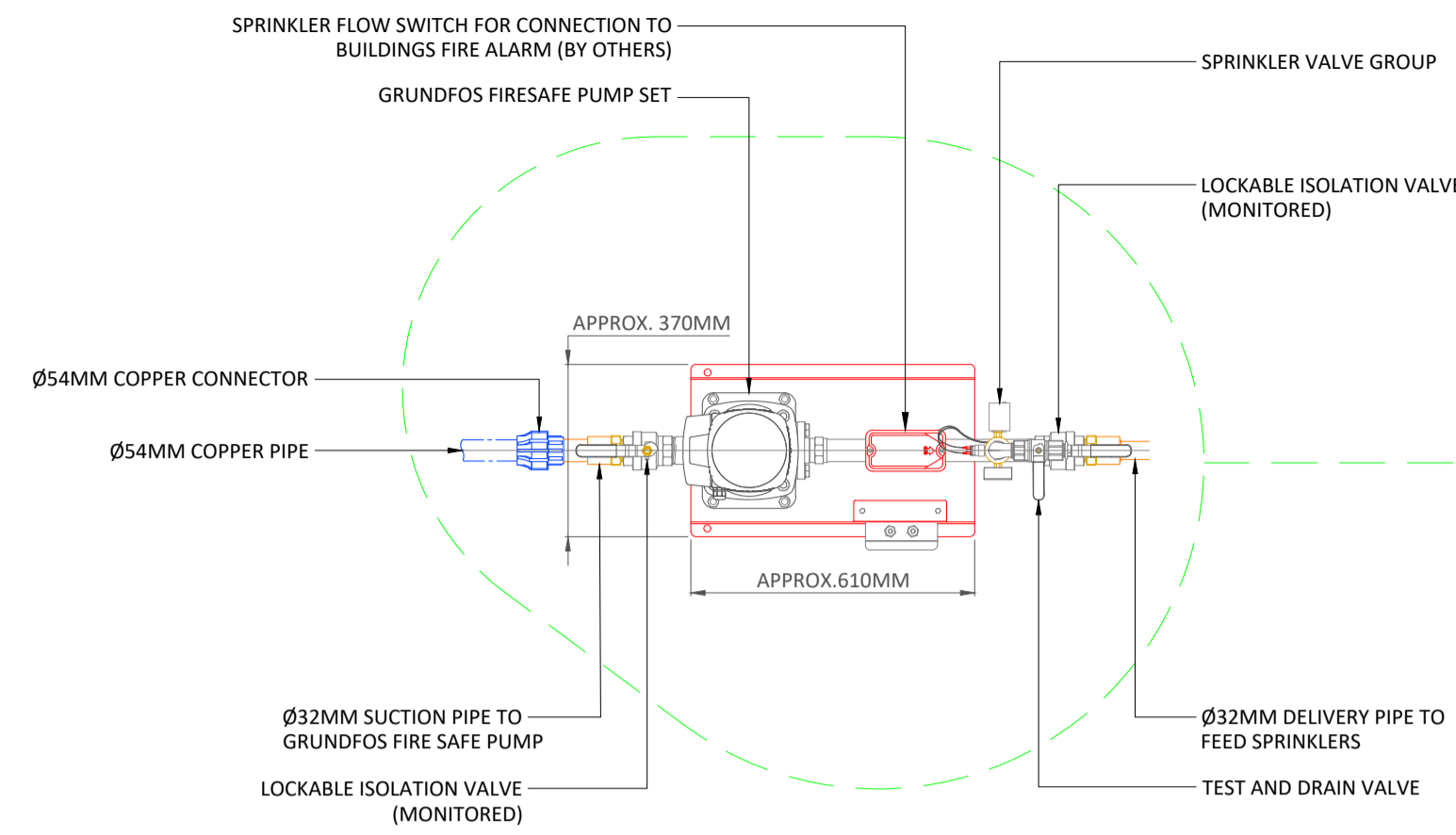
ANY CHANGES THAT INCLUDES A CEILING MOUNTED
ITEM CLOSER THAN 1000MM TO A SPRINKLER MUST
HAVE APPROVAL FROM THE SPRINKLER DESIGNER.

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

APPROVAL CHART	
RESIDENTIAL CONCEALED SIDE-WALL SPRINKLER VK480 K=57.7 (4.0), INSTALLED (112-162mm B.C)	
MAXIMUM AREA OF COVERAGE	MINIMUM WATER SUPPLY REQUIREMENTS
3.7m x 3.7m	41.7 l/min@0.52 bar
4.3m x 4.3m	49.3 l/min@0.73 bar
4.9m x 4.9m	60.6 l/min@1.1 bar
4.9m x 5.5m	64.4 l/min@1.25 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 FIRE ALARM
FIRE STOPPING MATERIAL	T.B.C

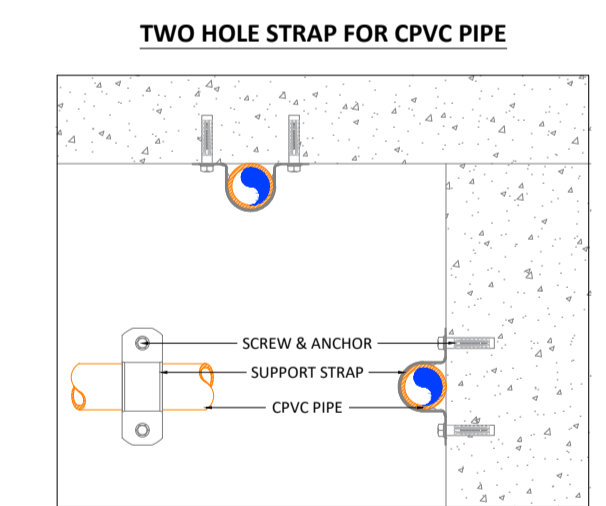
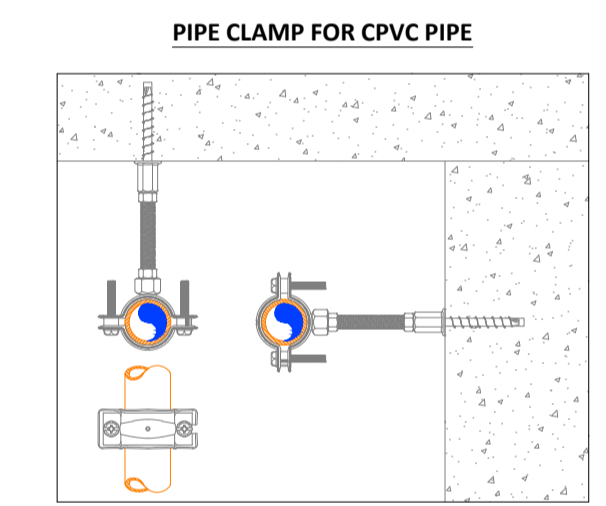
DESIGN DETAIL:	RESIDENTIAL AREAS:	NON RESIDENTIAL AREAS:
CATEGORY (BS9251:2021 TABLE 1)	2	-
TABLE (1,3,4)	1	-
HEAD STANDARD	UL1626	-
DENSITY mm/min (l/min/M2)	2.8	-
SPRINKLER PIPEWORK	CPVC	-
MINIMUM SPRINKLER PRESSURE	0.50 BAR	-
MINIMUM SPRINKLER SPACING	2.4M	-
MAXIMUM AREA/HEAD (M2)	25	-

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
	SPRINKLER VALVE GROUP
	CPVC PIPE/RISER
	MEDIUM WEIGHT STEEL PIPE/RISER



REV.	REVISION DETAIL	DRN.	CHK'D	DATE
A09	UPDATED LAYOUTS INCORPORATED	C.A.B	A.P.M	07/11/24
A08	UPDATED LAYOUTS INCORPORATED	C.A.B	D.C.R	19/03/24
A07	LATEST GA'S INCORPORATED	C.A.B	A.P.M	22/05/23
A06	BOOSTER PUMP INCORPORATED	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	22/07/22
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

DRAWING STATUS:	SCALE:	SIZE:
FOR APPROVAL	1:75	A1

DRAWING NUMBER:	REV:
TFS-RS-10057-0L002	A09

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DO NOT SCALE OFF DRAWING

DRAWING TITLE:
SPRINKLER LAYOUT
GROUND FLOOR
RESIDENTIAL HIGH FLOW DESIGN

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

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

DRAWN: C.A.B
CHECKED: S.E.H.
DATE: 17/08/21

APP: A.P.M.
DATE: 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: 2121 C05 Ground Floor Layout
2621 C05 Link Ground Floor Plan
ELECTRICAL: 6532 - Main House - Lighting Layout Ground Floor
6731 - Lodge - Lighting Layout
MECHANICAL: -