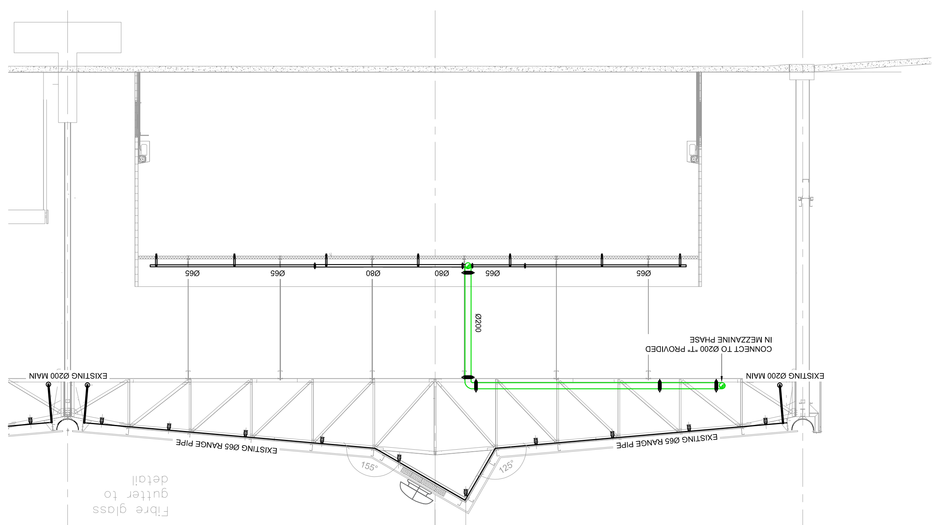

Ø200	70.8 kg	33.1 kg	4.0m	45t/m
Ø150	38.03 kg	19.8 kg	4.0m	45t/m
Ø100	20.23 kg	12.4 kg	4.0m	45t/m
Ø80	13.19 kg	8.64 kg	4.0m	45t/m
Ø65	9.90 kg	6.83 kg	4.0m	45t/m
Ø50	7.19 kg	5.17 kg	4.0m	75t/m
Ø40	4.79 kg	3.65 kg	4.0m	75t/m
Ø32	3.56 kg	3.17 kg	4.0m	75t/m
Ø25	2.98 kg	2.46 kg	4.0m	75t/m
PIPE DIAMETER	WITH WATER	WITHOUT WATER	MAXIMUM SUPPORT SPACING (m)	LAST SUPPORT FROM END OF PIPE WITH BEND

PIPE MASS IN KILOGRAMS PER METRE (kg/m)

INTERMEDIATE PIPE SUPPORT DETAIL FOR SPRINKLER MAIN PIPES
TO OCCUR AT MAX 4m INTERVALS
N.T.S.

PIPE SUPPORT DETAIL FOR SPRINKLER MAIN PIPES
TO OCCUR AT INTERMEDIATE POINTS
N.T.S.

PIPE SUPPORT DETAIL FOR SPRINKLER RANGE PIPES
TO OCCUR AT MAX 4m INTERVALS
N.T.S.

RANGE PIPE
25X25 mm ANGLE IRON
25X5 mm FLAT BAR WELDED ONTO ANGLE SUPPORT FRAME

PROPOSED PIPE SUPPORT DETAIL
ON ISOPANEL CEILING
N.T.S

PROJECT TEAM

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Client Approval:

Date:

PROJECT

MANUFACTURING FACILITY IN ZONE 1A
G2 (YANFENG) ADDITIONS AND ALTERATIONS

LOCATION

GEZ (YANFENG FACILITY)
IDZ EAST LONDON

ISSUED FOR

FOR INFORMATION

DRAWING

FIRE PROTECTION SERVICES :
SPRINKLER INSTALLATION
(FOAM CELL ENCLOSURE)

DRAWING NO.	CEZ - 12 - 002
REVISION NO.	2019 - 348
PROJECT NO.	
Scale:	1:100
Date:	2020/07/28
DRAFTING AND DESIGN TEAM	
Drawn by:	C.Leach
Checked by:	C.Leach
APPROVAL DRAWING	
Name: DJ Evans Pr. Tech. (Eng.)	2005/70031
Signed:	Date:

Practice: Evans Consulting Engineers cc
CK 2010/127070/23

LEGEND

	SPRINKLER MAIN
	EXISTING SPRINKLER MAIN TO MATCH EXISTING
	SPRINKLER HEAD
	RANGE PIPES

DESIGN DATA

AREA	DENSITY	HAZARD	CATEGORY
ROOF	ESFR	HIGH	

OFFICES	S.PRINTER	OTDOMARY	
ROOF	ESFR	HIGH	

SPRINKLERS

AREA	TYPE	TEMPERATURE TO MATCH EXISTING
ROOF	FM APPROVED (74°C ≤ K ≤ 363 TO BE CONFIRMED ON SITE)	
DRYPIPE	FM APPROVED	68°C

GENERAL NOTES

1. THE CONTRACTOR TO THE SPRINKLER SYSTEM SHALL MATCH THE CURRENT INSTALLATION IN THE BUILDING IN APPROVED
2. EXTERNAL / CONCEALED SPRINKLER PIPING ABOVE GROUND SHALL BE GALVANIZED TO RELEVANT SABS STANDARDS
3. ALL PIPEWORK WORK CARRIED OUT TO BE TO SANS 10254
4. ALL SPRINKLER PIPING SHALL BE CLEANED, PAINTED AND PURGED WITH RED OXIDE AND 2COAL RED ENAMEL PAINT ON COMPLETION OF INSTALLATION
5. ALL PIPEWORK TO BE BLACK MILD STEEL TO MEET SABS STANDARDS

REVISIONS

Rev/ID	CHD	Change Name	Date

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