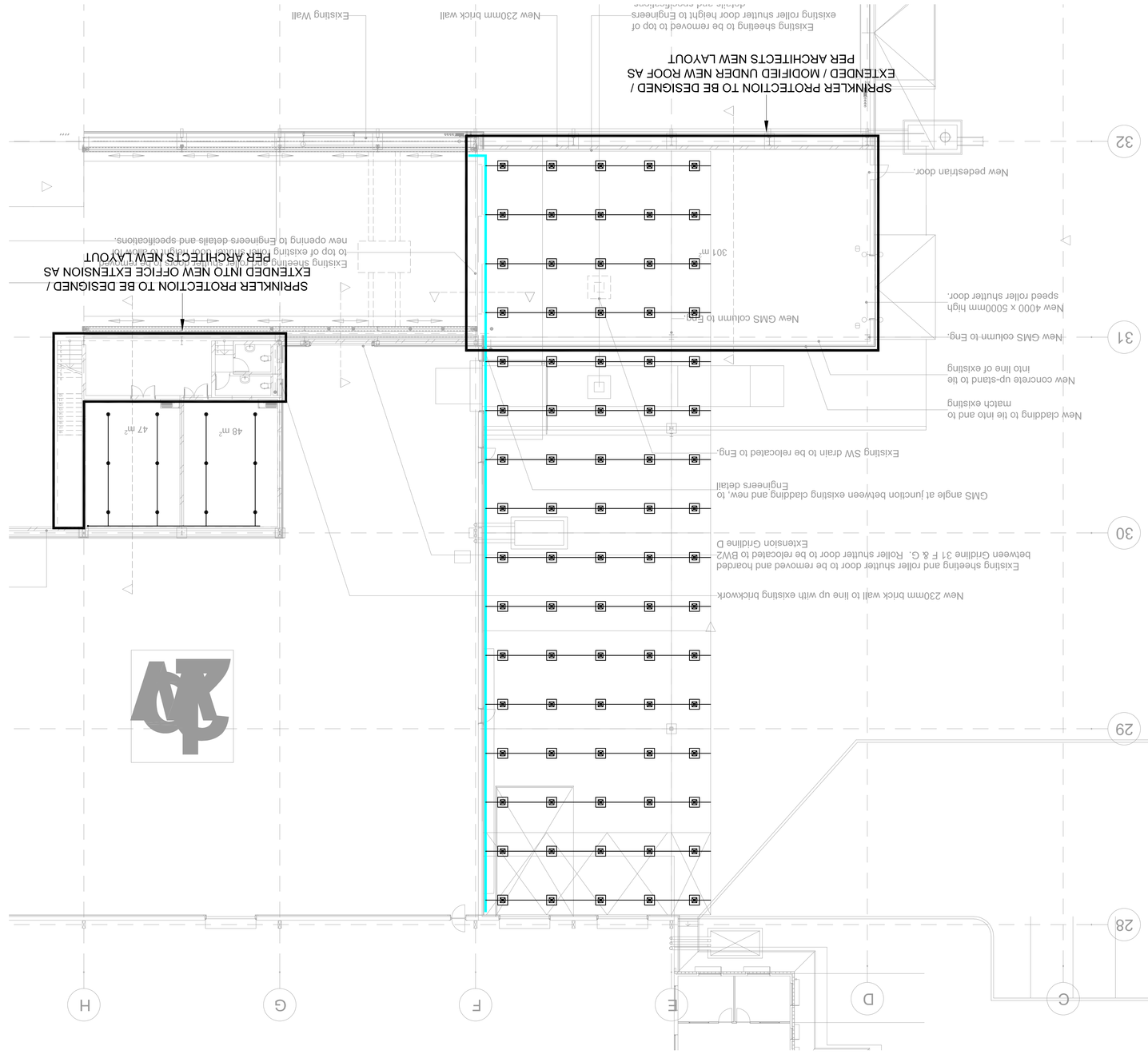
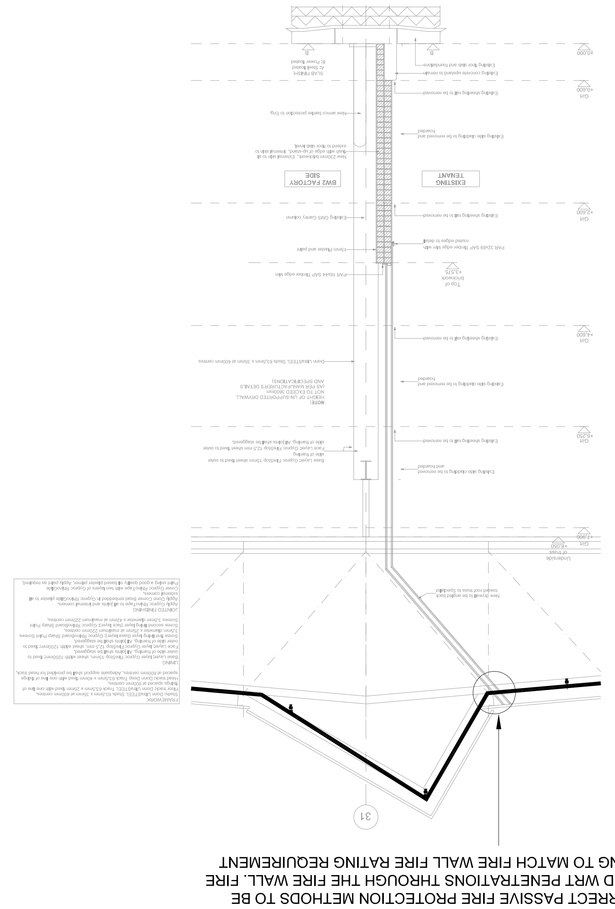
# GROUND FLOOR SPRINKLER LAYOUT



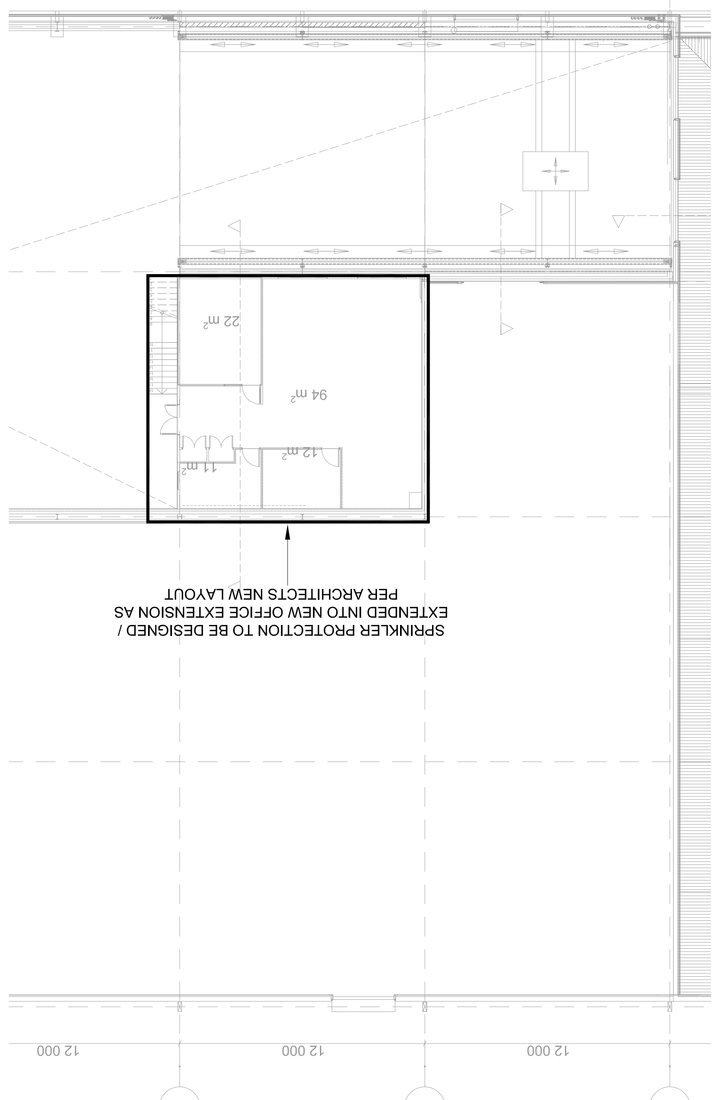

# CORRECT PASSIVE FIRE PROTECTION METHODS TO BE APPLIED WRT PENETRATIONS THROUGH THE FIRE WALL. FIRE RATING TO MATCH FIRE WALL FIRE RATING REQUIREMENT

## FIRE WALL SECTIONAL DETAIL

SCALE 1:50

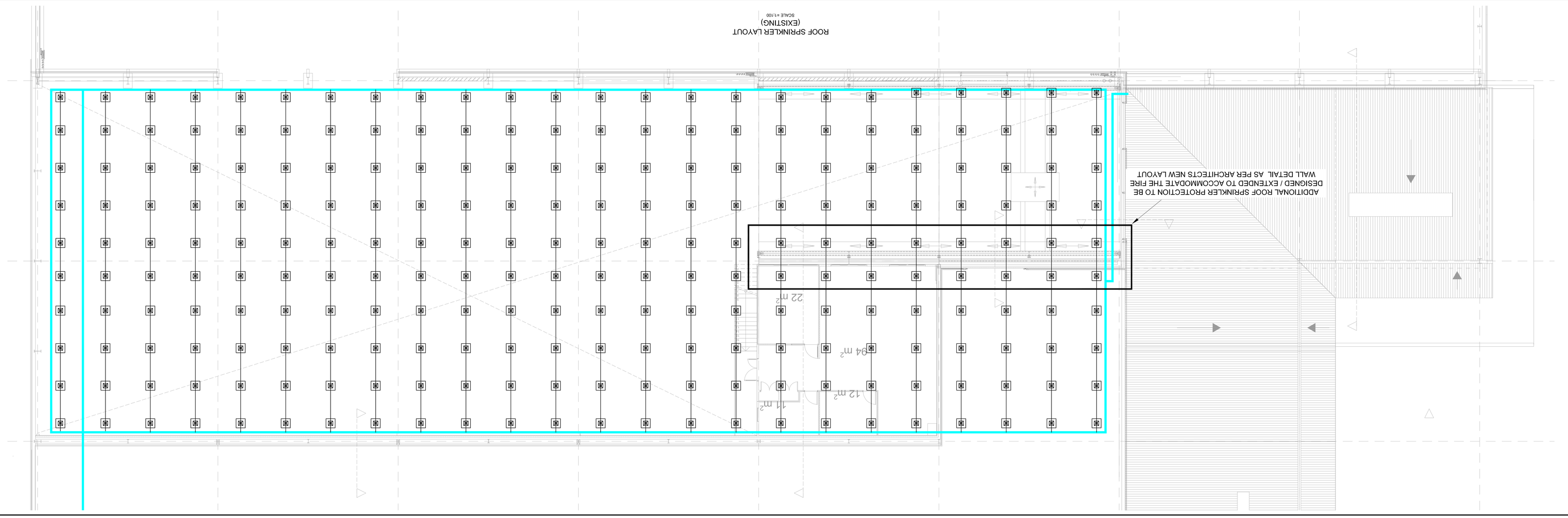



# FIRST FLOOR SPRINKLER LAYOUT




# ROOF SPRINKLER LAYOUT (EXISTING)

SCALE 1:100

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Client Approval:

Date:

## PROJECT

MANUFACTURING FACILITY IN ZONE 1A
LINDE & WIEMANN EXTENSION

## LOCATION

BW2 AND BW3
IDZ EAST LONDON

## ISSUED FOR

## DRAWING

FIRE PROTECTION SERVICES : SPRINKLER INSTALLATION
(MODIFICATIONS)

**FOR INFORMATION**

| | |
|---|---|
| PROJECT NO: | 2019 - 348 |
| DRAWING NO: | L&W - 12 - 000 |
| SCALE: | 1:100 |
| DRAWING AND DESIGN TEAM | |
| Date: | 2019/06/17 |
| Drawn by: | C.Leach |
| Checked by: | C.Leach |
| APPROVAL DRAWING | |
| Name: | DJ Evans Pr. Tech. (Eng.) 20057003/1 |
| Signed: | Date: |

Practice: Evans Consulting Engineers cc
CK 2010/127020/23

## REVISIONS

| Rev/ID | CHD | Change Name | Date |
|---|---|---|---|
| | | | |

## GENERAL NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
3. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST SANS 10400 AND SANS 10252-1 REGULATIONS.
4. ALL SPRINKLER PIPING SHALL BE CLEARLY MARKED AND IDENTIFIED WITH RED DYED AND SIGNAL RED ENAMEL PAINT ON COMPLETION OF INSTALLATION.

## LEGEND

- EXISTING SPRINKLER MAIN
- 15Ø R SPRINKLER HEAD
- SPRINKLER RISER
- EXISTING RANGE PIPES

## DESIGN DATA

DESIGN DENSITY AND HAZARD

| AREA | DENSITY | HAZARD | CATEGORY |
|---|---|---|---|
| ROOF | 5 mm/min | OBSCURE | |
| OFFICES | 5 mm/min | OBSCURE | |

SPRINKLERS

| AREA | TYPE | TEMPERATURE |
|---|---|---|
| ROOF | FM APPROVED | TO MATCH EXISTING (74°C, K = 363 TO BE CONFIRMED ON SITE) |
| OFFICE | FM APPROVED | 68°C |


CONSULTING ELECTRICAL & MECHANICAL ENGINEERS
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