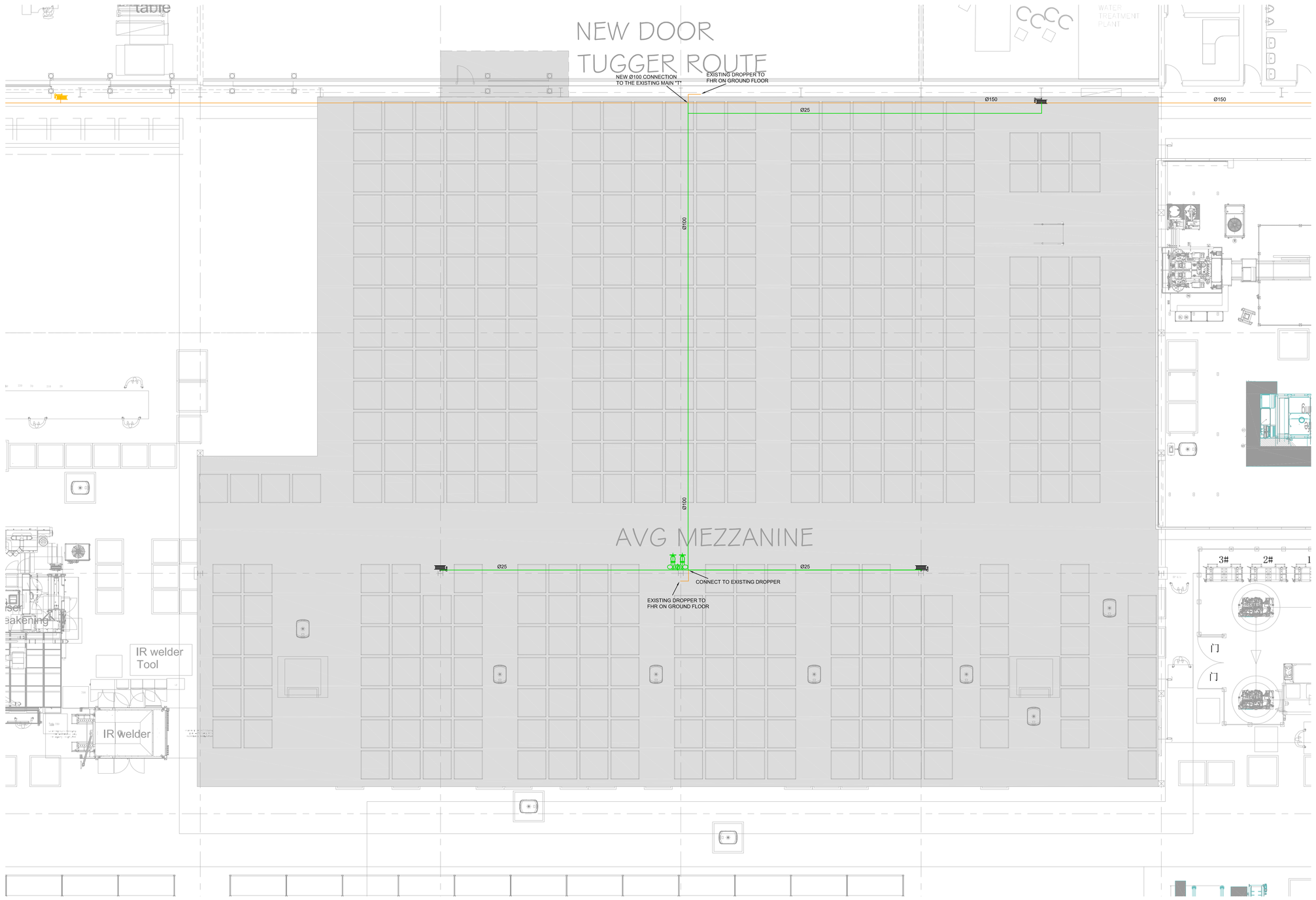
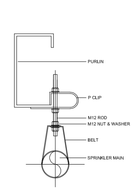
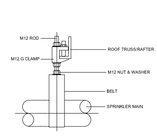


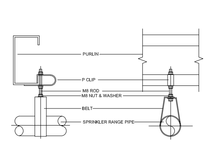
PIPE MASS IN KILOGRAMS PER METRE (Kg/m)			MAXIMUM SUPPORT SPACING (m)	LAST SUPPORT FROM END (END OF PIPE WITHIN (mm)
PIPE DIAMETER	WITH WATER	WITHOUT WATER		
Ø25	2,96 Kg	2,46 Kg	4,0m	750mm
Ø32	3,96 Kg	3,17 Kg	4,0m	750mm
Ø40	4,79 Kg	3,65 Kg	4,0m	750mm
Ø50	7,19 Kg	5,17 Kg	4,0m	750mm
Ø65	9,80 Kg	6,63 Kg	4,0m	450mm
Ø80	13,19 Kg	8,64 Kg	4,0m	450mm
Ø100	20,51 Kg	12,4 Kg	4,0m	450mm
Ø150	38,03 Kg	19,8 Kg	4,0m	450mm
Ø200	70,8 Kg	33,1 Kg	4,0m	450mm



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



PIPE SUPPORT DETAIL FOR MAIN PIPES
TO OCCUR AT INTERSECTION OF TRUSSES
N.T.S.



PIPE SUPPORT DETAIL FOR Ø25 TO Ø40 PIPES
TO OCCUR AT MAX 4m INTERVALS
N.T.S.

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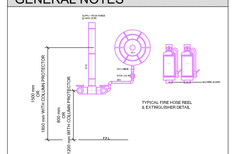
GENERAL NOTES



LEGEND

PORTABLE FIRE EXTINGUISHER (AS INDICATED)	
EXISTING FIRE EXTINGUISHER	
FIRE HOSE REEL TO BE ON COLUMNS AT 1500mm AFFL UNLESS OTHERWISE STATED	
EXISTING FIRE HOSE REEL	
DOUBLE HEAD FIRE HYDRANT	
EXISTING DOUBLE FIRE HYDRANT	
GEAR AND CHAIN OPERATED VALVE	
FIRE WATER PIPING	
EXISTING FIRE WATER PIPING	

1. Fire mains below ground shall be UnPVC pipes to relevant SABS standards including thrust blocks, all as per the Civil Engineers detail
2. Steel fire mains above ground shall be galvanised to relevant SABS standards
3. Fire hose reels shall comply with SANS 543 and shall be installed in accordance with SANS 10105-1 and SANS 10400-W, and shall be maintained in accordance with SANS 14792
4. Fire hydrants shall be fed from the steel galvanised piping
5. Fire hydrants shall comply with SANS 1128-1
6. Each fire hydrant shall have a 30 m canvas fire hose including all connection fittings, couplings, 16 mm internal diameter nozzle and wall storage box, to be fitted next to the fire hydrant in accordance with SANS 1128-1
7. All plumbing work carried out to be to SANS 10254
8. All fire appliance pipework shall have a signal red band every 6 m. Fire hose reels and fire extinguishers shall be painted signal red and painted with red cattle and also signal red enamel where the fire appliance pipework drops to the fire appliances at FFL
9. No silicone sealer / products are allowed within the facility

REVISIONS

Rev/El	CN/D	Change Name	Date

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Client Aproval:

Date:

PROJECT

MANUFACTURING FACILITY IN ZONE 1A
C2 (YANFENG) ADDITIONS AND ALTERATIONS

LOCATION

CE2 (YANFENG FACILITY)
IDZ EAST LONDON

ISSUED FOR

FOR INFORMATION

DRAWING

FIRE PROTECTION SERVICES :
FIRE APPLIANCE INSTALLATION
(MEZZANINE PHASE)

PROJECT NO.	2019 - 348
DRAWING NO.	CE2 - 12 - 004
Scale:	1:100
Date:	2020/08/04
DRAFTING AND DESIGN TEAM	
Drawn by:	C.Leach
Checked by:	C.Leach

APPROVAL DRAWING

Name: DJ Evans — 200570031
Pr. Tech, (Eng.)

Signed: Date:

Practice: Evans Consulting Engineers cc
CK 2010/127707/23