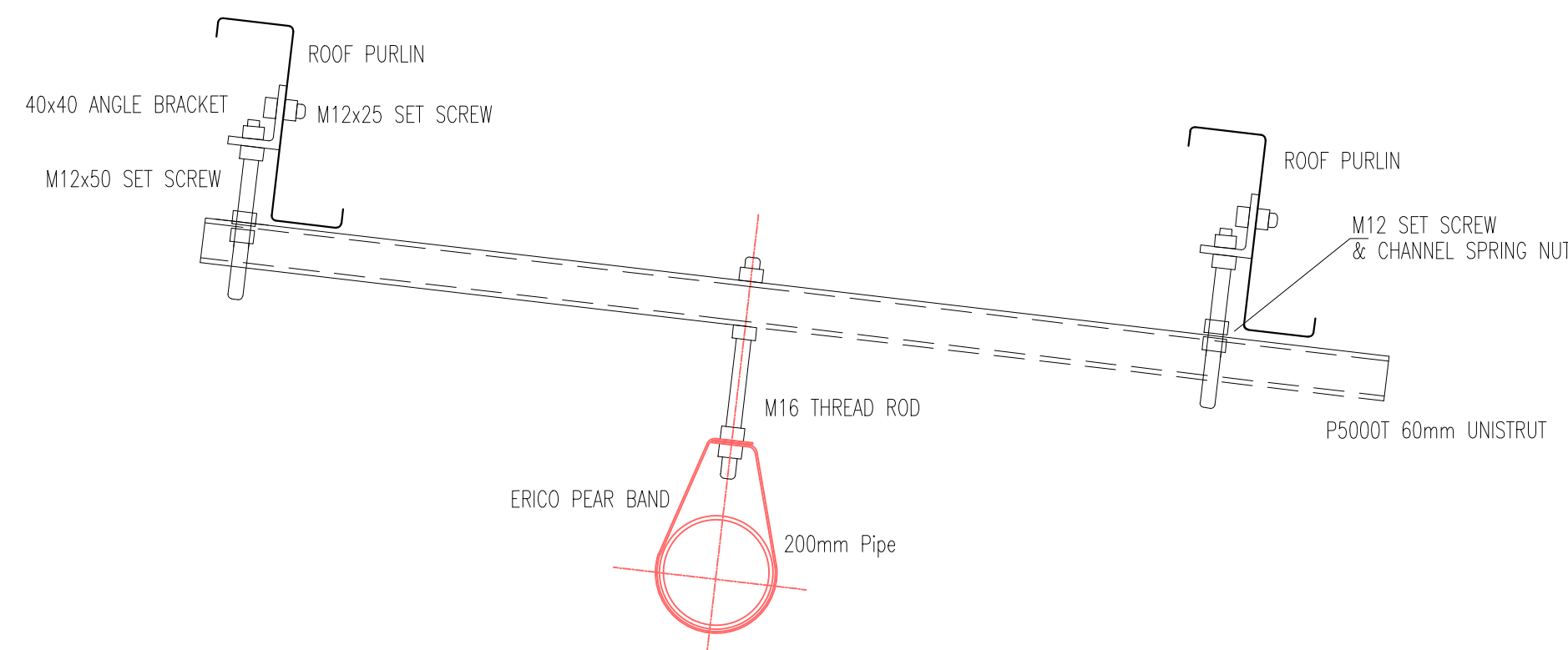
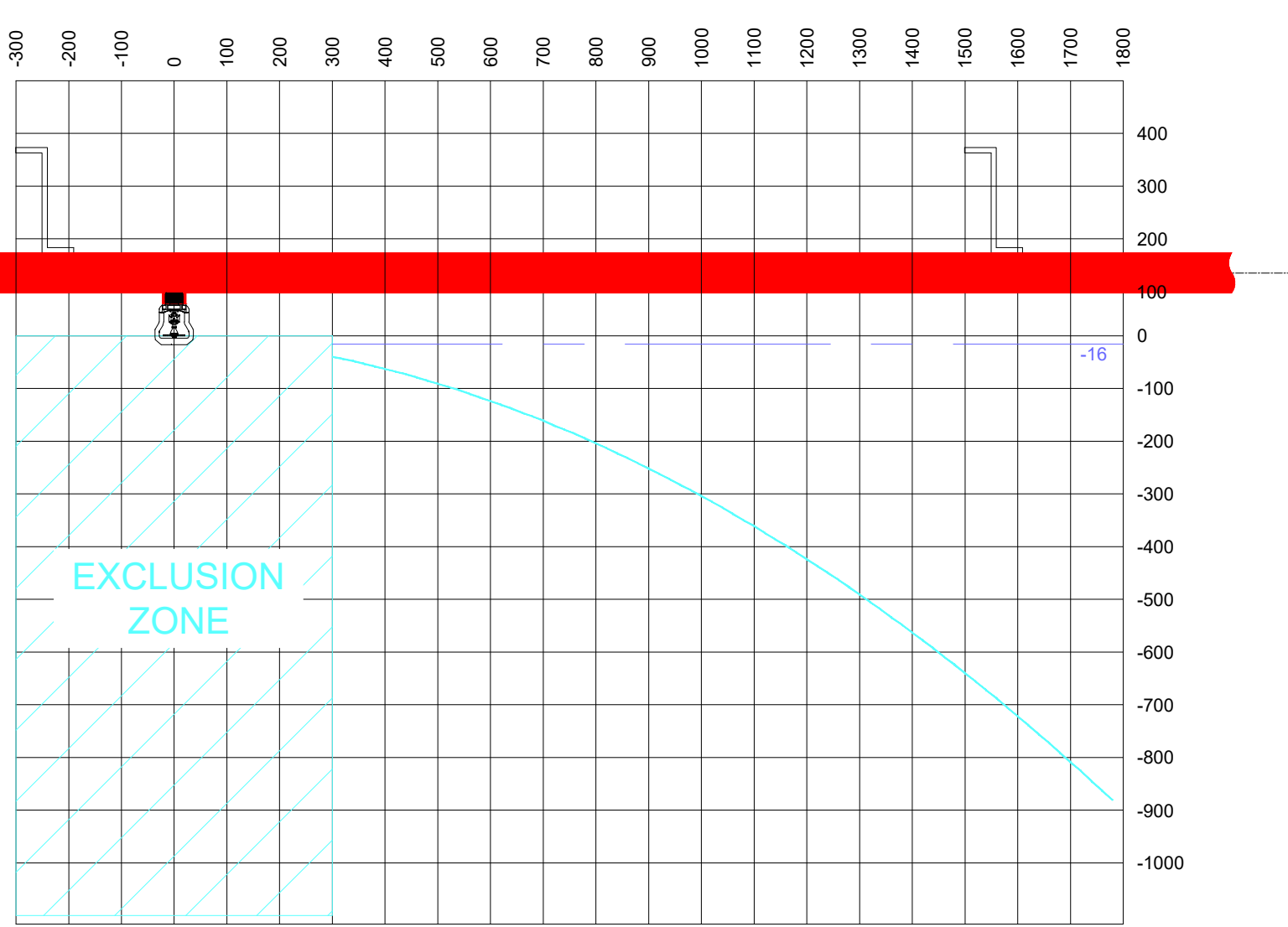




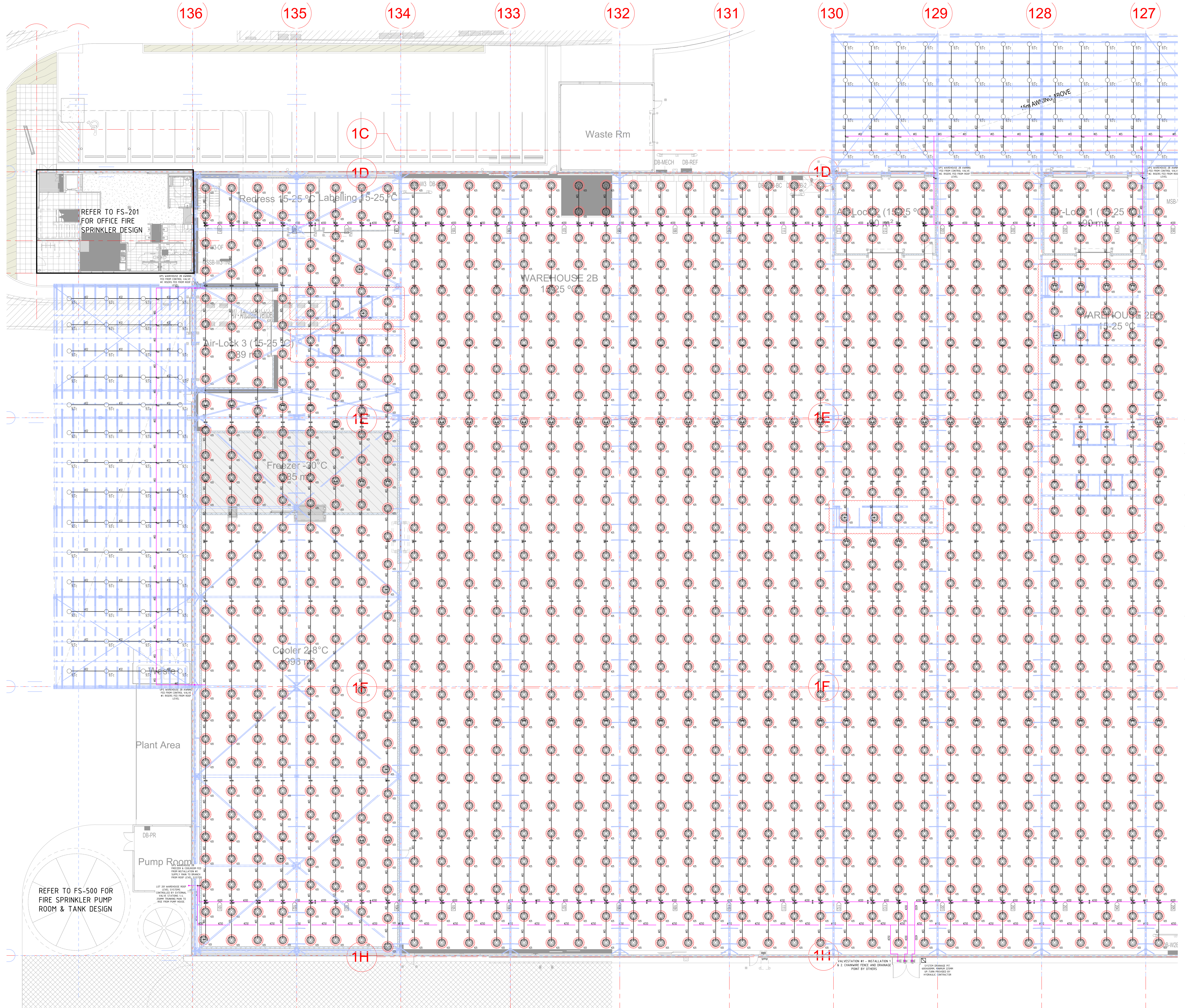
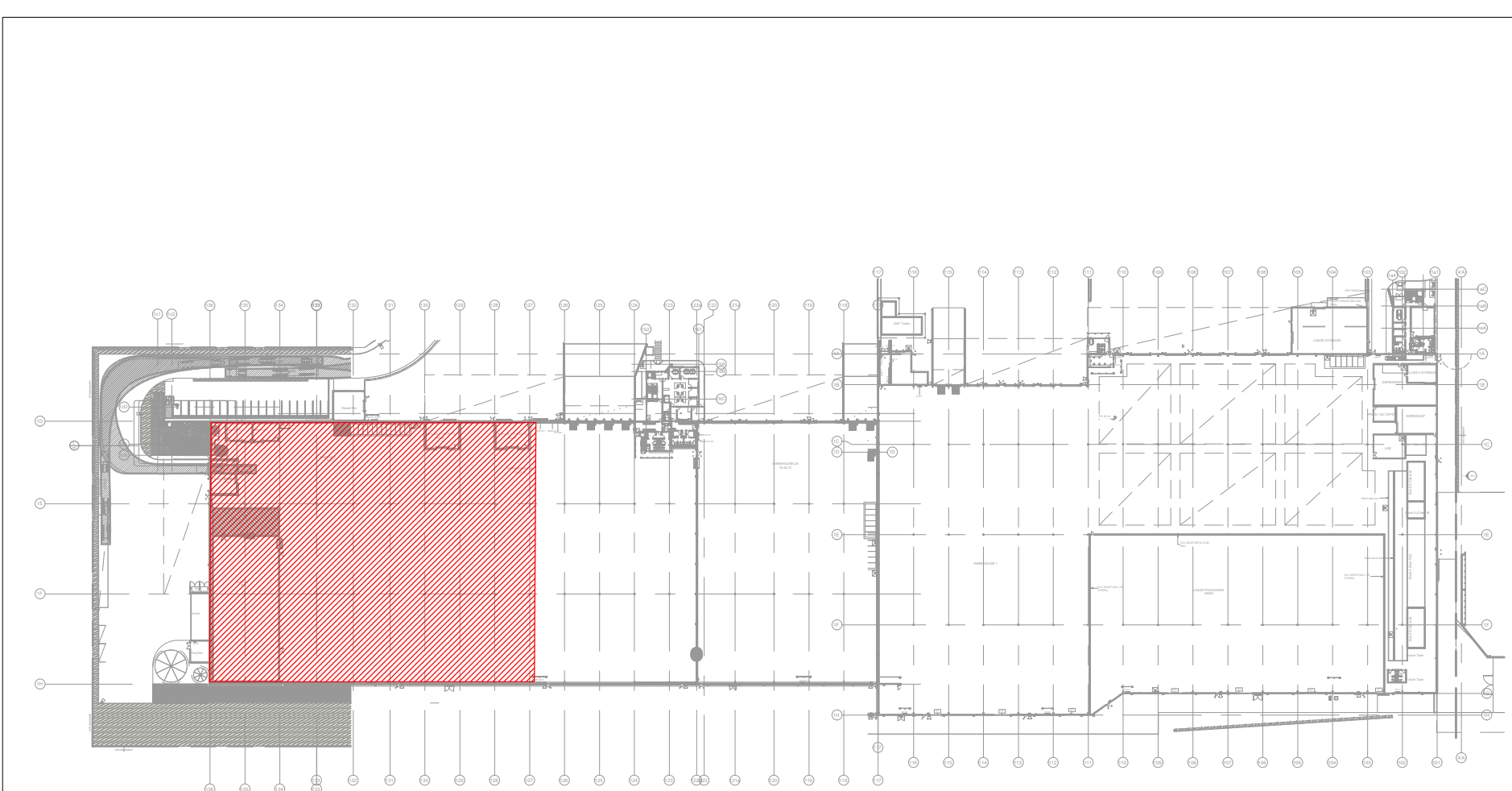
Ø200 & 250 MAIN PIPE SUPPORT DETAIL
NOT TO SCALE



ESFR OBSTRUCTION EVALUATION CURVE
REFERENCE FROM FM DATASHEET Z-0

NOTES

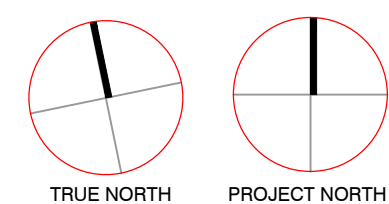
- 1) SPRINKLER SYSTEM DESIGNED IN ACCORDANCE WITH THE BELOW:
 - EXTRA HIGH HAZARD TO THE WAREHOUSE ROOF LEVEL INCORPORATING K25 ESFR FIRE SPRINKLERS: 10 x SPRINKLER HEADS OPERATING AT 350kPa. (SUITABLE TO STORE CATEGORY 1 TO 4 AND CARTONED CATEGORY 5 (UNEXPANDED PLASTICS) IN OPEN FRAMED RACKS OR BLOCKED STACKS IN ACCORDANCE WITH FM DATA SHEETS 2-0 & 8-9)
 - ORDINARY HAZARD FIRE SPRINKLERS INSTALLED TO THE AWNINGS. 18 x MOST REMOTE SPRINKLERS @ 60 kPa
 - LIGHT HAZARD SPRINKLER PROTECTION TO OFFICE 6 x MOST REMOTE SPRINKLERS @ 67 L/min
- 2) DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
- 3) RANGES TO RUN HARD TO PURLINS U.N.O
- 4) MAIN PIPES TO RUN HARD TO RAFTERS U.N.O
- 5) ALL EXPOSED PIPEWORK TO BE PAINTED SIGAL RED GLOSS
- 6) STORAGE NOT TO BE STORED WITHIN 914mm OF ROOF LEVEL SPRINKLER DEFLECTOR.
- 7) REVLOUD INDICATES TRANSLUCENT ROOF SHEET THAT IS TO BE RELOCATED FROM ABOVE FIRE SPRINKLER PIPEWORK. MINIMUM 300mm REQUIRED FROM THE SIDE OF THE SPRINKLER PIPE TO THE TRANSLUCENT SHEET
- 8) A MINIMUM OF 110mm IS TO BE MAINTAINED BETWEEN ALL STRUCTURAL BRACING, STRUTS AND BEAMS, AND THE BOTTOM OF PURLINS



FOR CONTINUATION - REFER TO FF-FS-102

ISSUE	DATE	REVISION	DESIGN	CHECKED
A	10.09.21	PRELIMINARY	AL	A.M.
B	15.09.21	FOR CONSTRUCTION	AL	A.M.
C	26.09.21	FOR CONSTRUCTION	AL	A.M.

FOR CONSTRUCTION



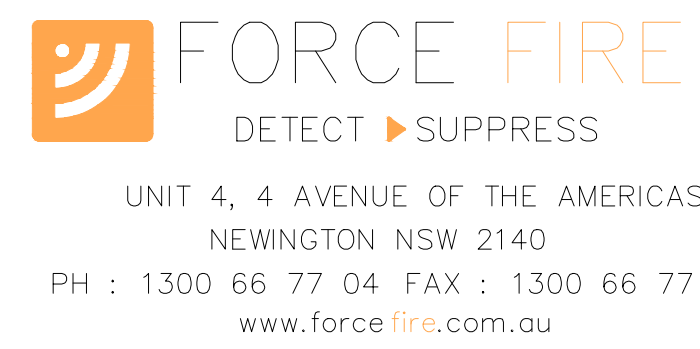
LOT 201 ESR HORSLEY
LOGISTICS PARK
327-335 BURLEY ROAD
HORSLEY PARK NSW



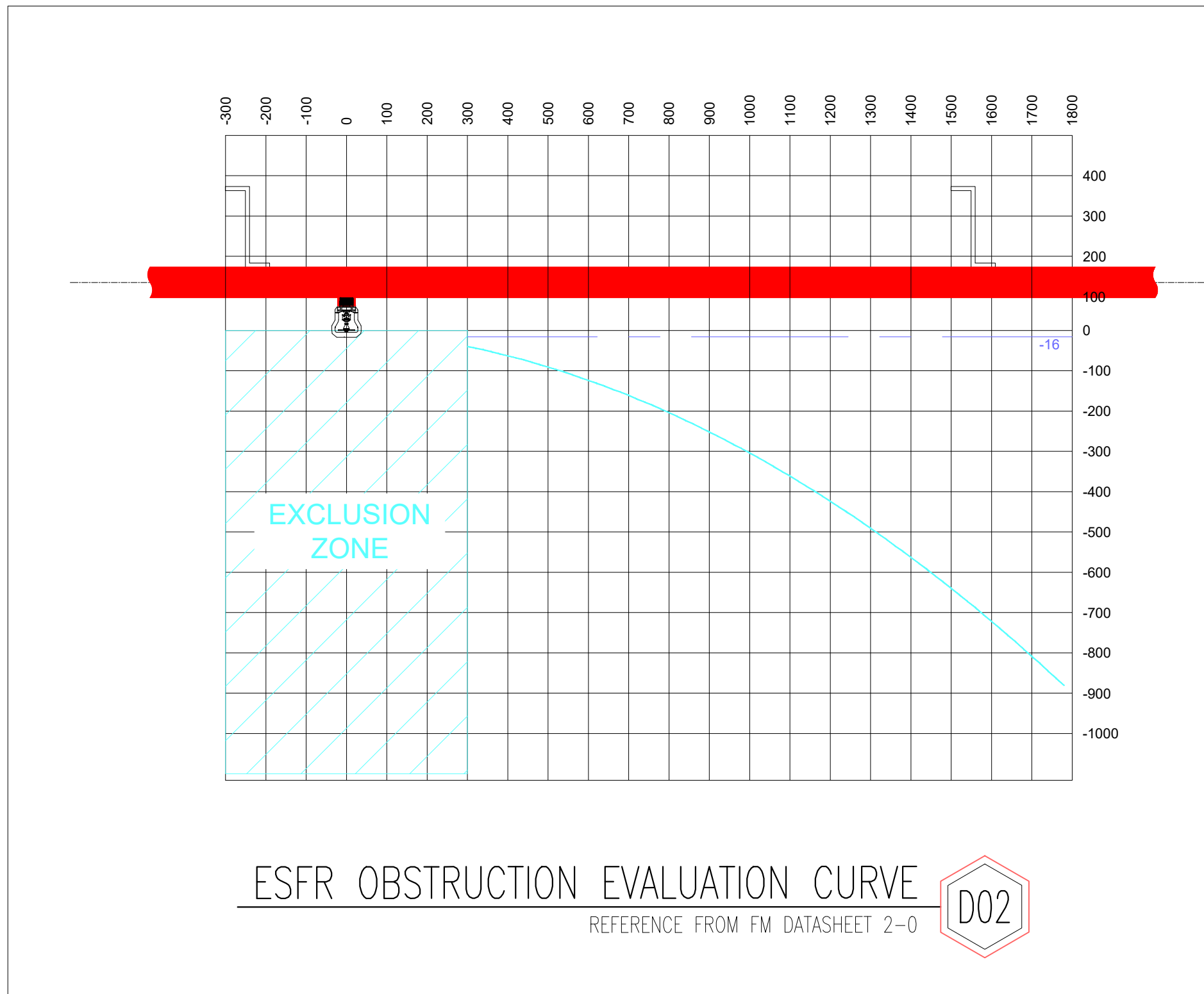
BUILDER
HANSEN YUNCKEN
75/85 O'RIOURAN ST.
ALEXANDRIA NSW 2015



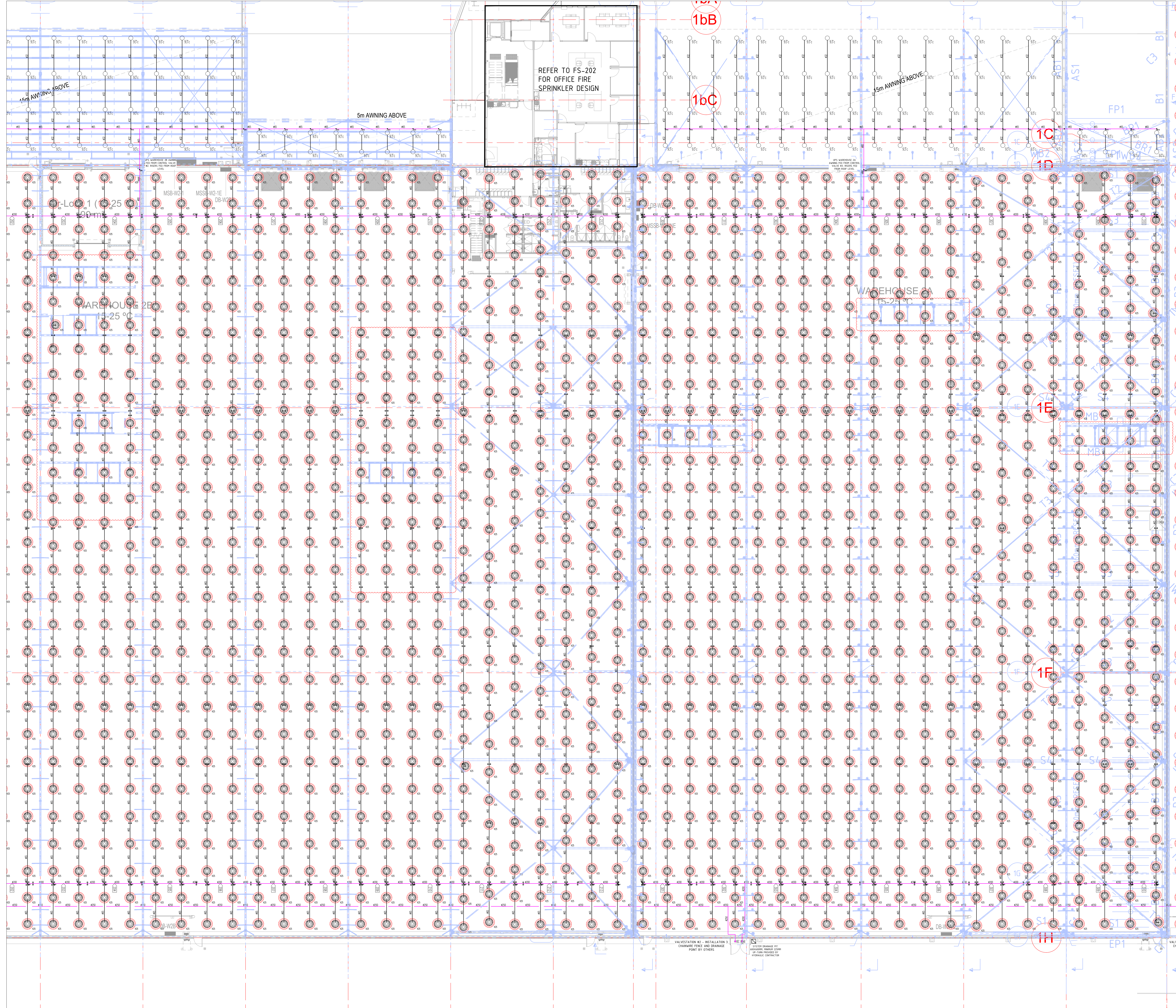
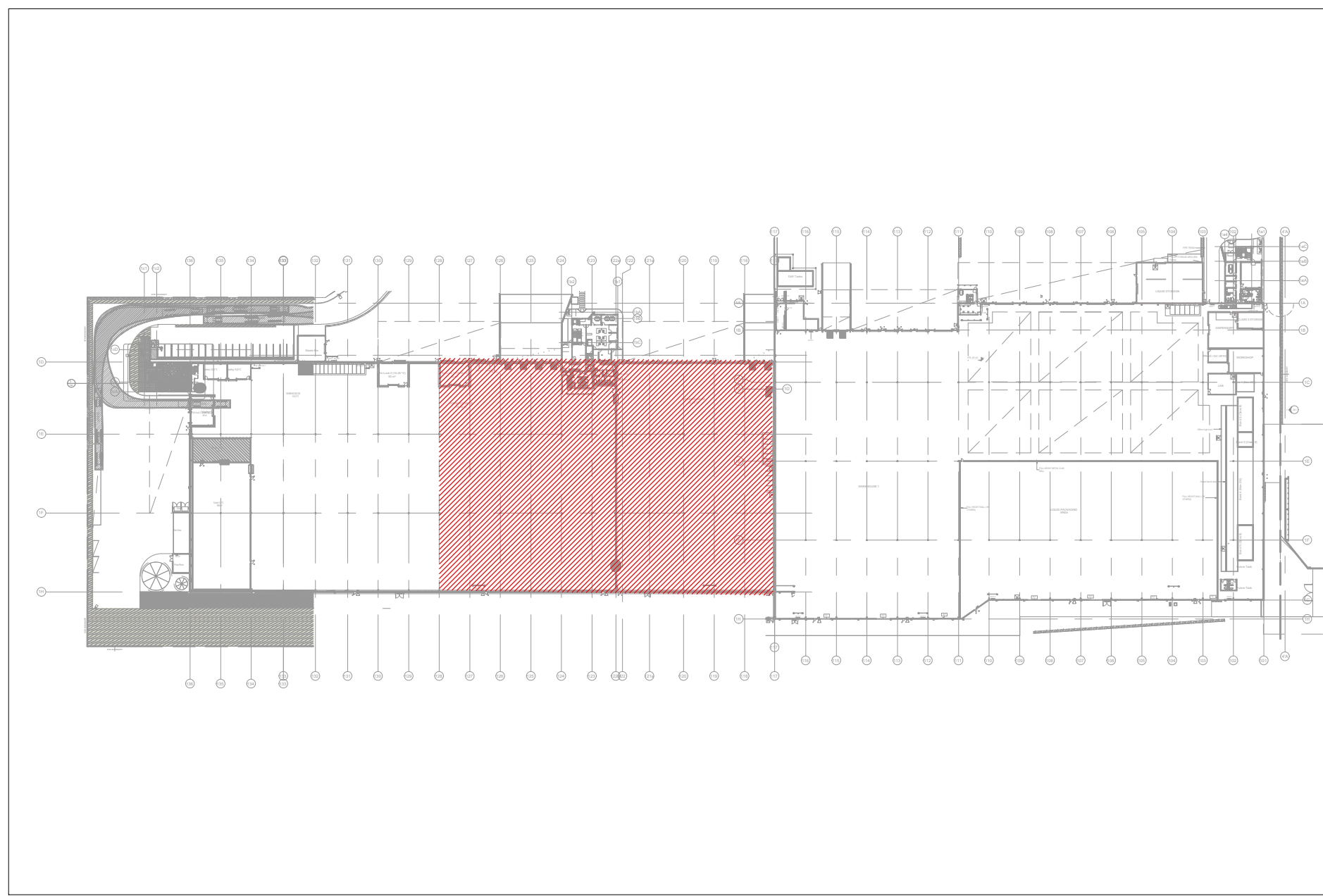
TITLE
FIRE SPRINKLER SERVICES
UPS WAREHOUSE 2B ROOF LEVEL
LAYOUT SHEET 1 OF 2



DESIGN	CHECKED	DATE
AL	AM	15.09.21
ISSUE	SHEET	SCALE
C	A0	1:150
JOB-NO	DRAWING-NO	
P210324	FF-FS-101	



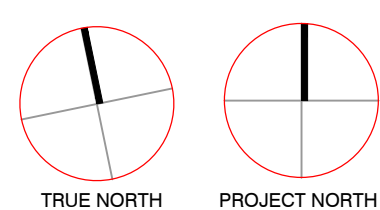
- 1) SPRINKLER SYSTEM DESIGNED IN ACCORDANCE WITH THE BELOW:
 - EXTRA HIGH HAZARD TO THE WAREHOUSE ROOF LEVEL INCORPORATING K25 ESFR FIRE SPRINKLERS: 10 x SPRINKLER HEADS OPERATING AT 350kPa. (SUITABLE TO STORE CATEGORY 1 TO 4 AND CARTONED CATEGORY 5 (UNEXPANDED PLASTICS) IN OPEN FRAMED RACKS OR BLOCKED STACKS IN ACCORDANCE WITH FM DATA SHEETS 2-0 & 8-9)
- ORDINARY HAZARD FIRE SPRINKLERS INSTALLED TO THE AWNINGS. 18 x MOST REMOTE SPRINKLERS @ 60 kPa
- LIGHT HAZARD SPRINKLER PROTECTION TO OFFICE
 - 6 x MOST REMOTE SPRINKLERS @ 67 L/min
- 2) DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
- 3) RANGES TO RUN HARD TO PURLINS U.N.O
- 4) MAIN PIPES TO RUN HARD TO RAFTERS U.N.O
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- 6) STORAGE NOT TO BE STORED WITHIN 914mm OF ROOF LEVEL SPRINKLER DEFLECTOR.
- 7) REVLUCOD INDICATES TRANSLUCENT ROOF SHEET THAT IS TO BE RELOCATED FROM ABOVE FIRE SPRINKLER PIPEWORK. MINIMUM 300mm REQUIRED FROM THE SIDE OF THE SPRINKLER PIPE TO THE TRANSLUCENT SHEET
- 8) A MINIMUM OF 110mm IS TO BE MAINTAINED BETWEEN ALL STRUCTURAL BRACING, STRUTS AND BEAMS, AND THE BOTTOM OF PURLINS



FOR CONTINUATION - REFER TO FF-FS-104

[illegible]

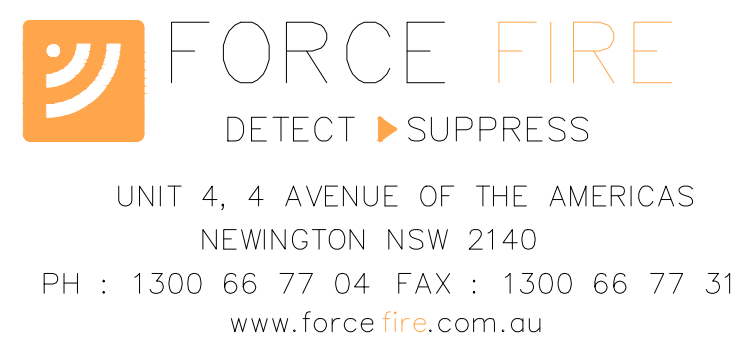
LOT 201 ESR HORSLEY
LOGISTICS PARK
327-335 BURLEY ROAD
HORSLEY PARK NSW



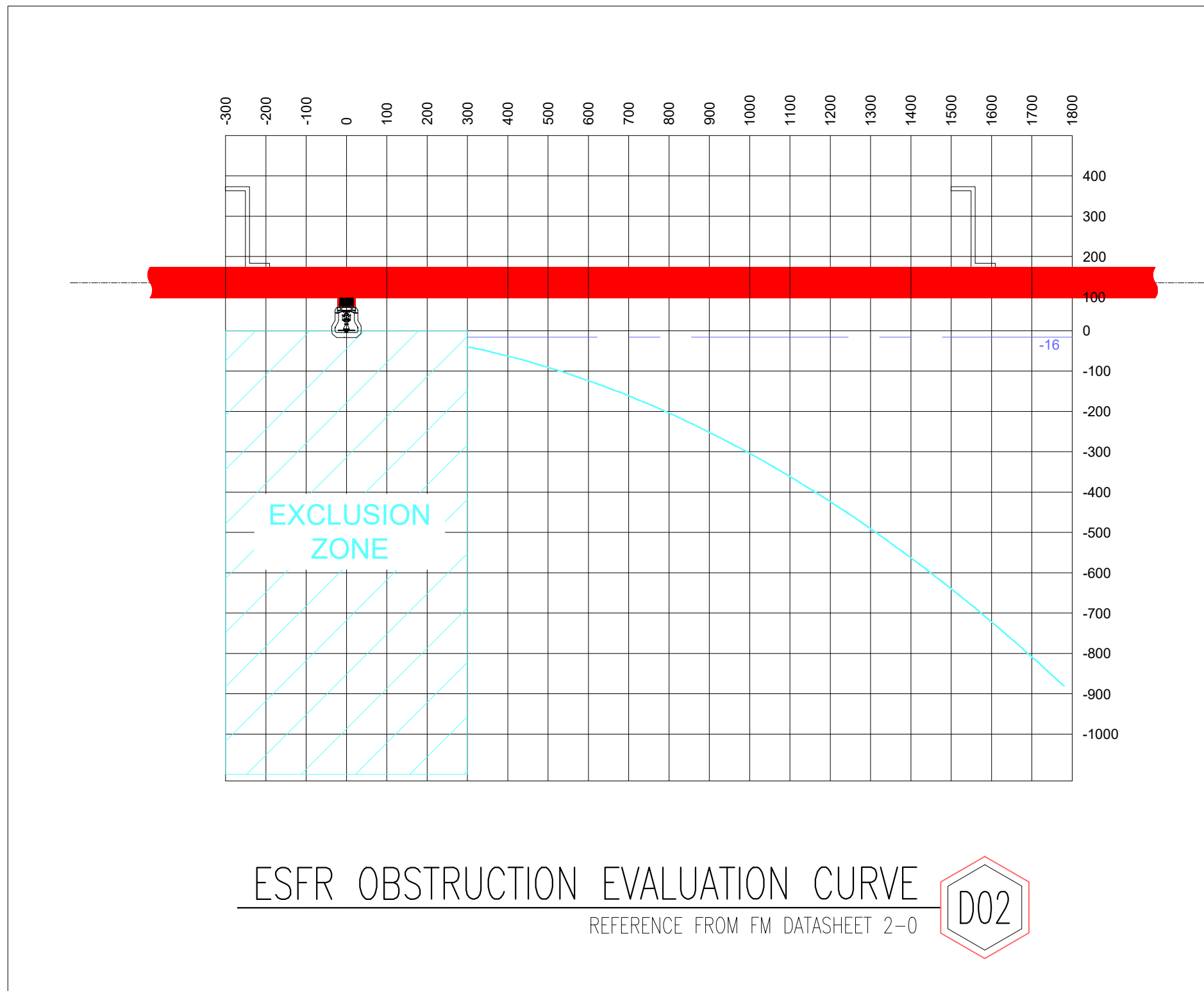
BUILDER
HANSEN YUNCKEN
75/85 O'RIORDAN ST,
ALEXANDRIA NSW 2015



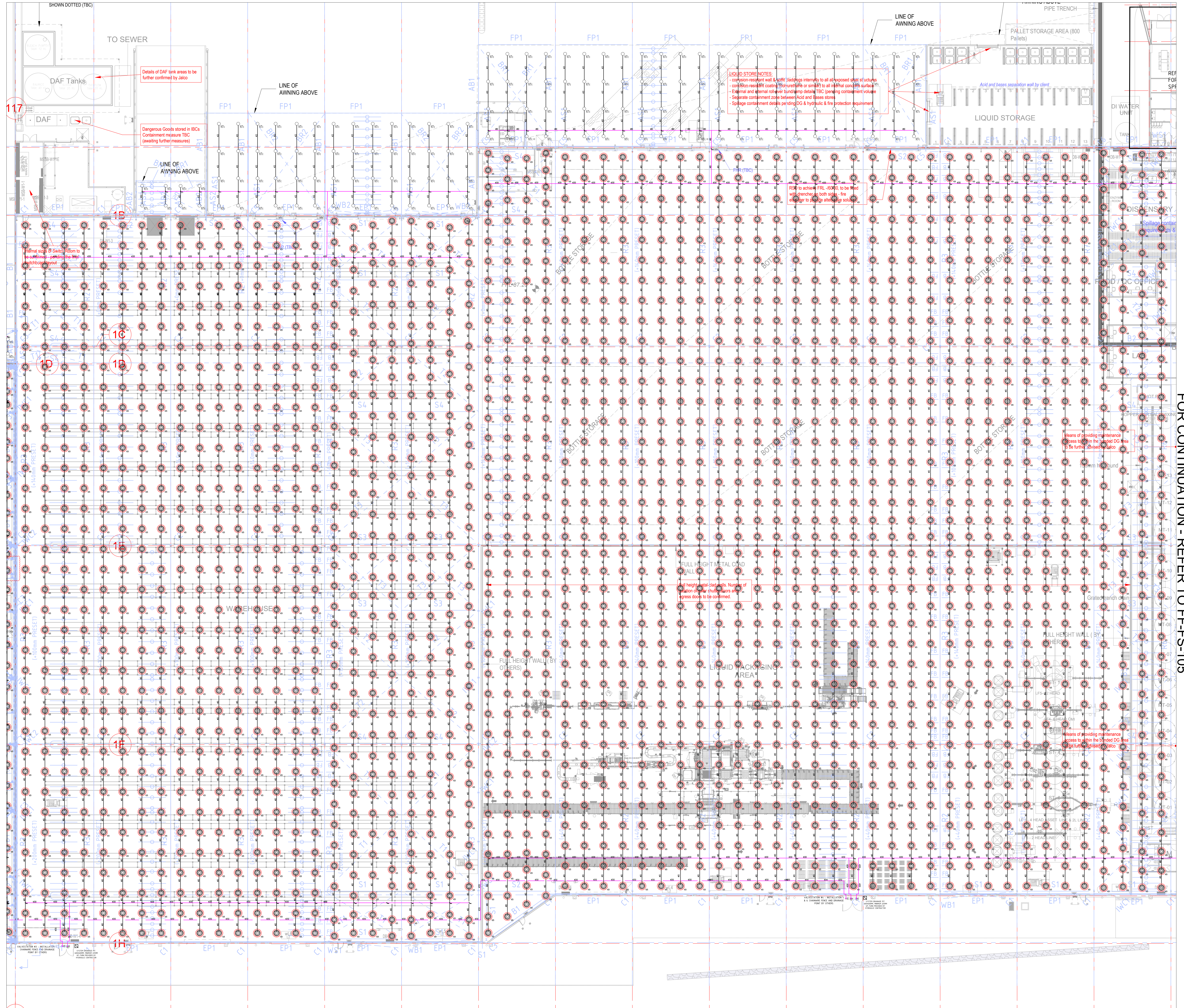
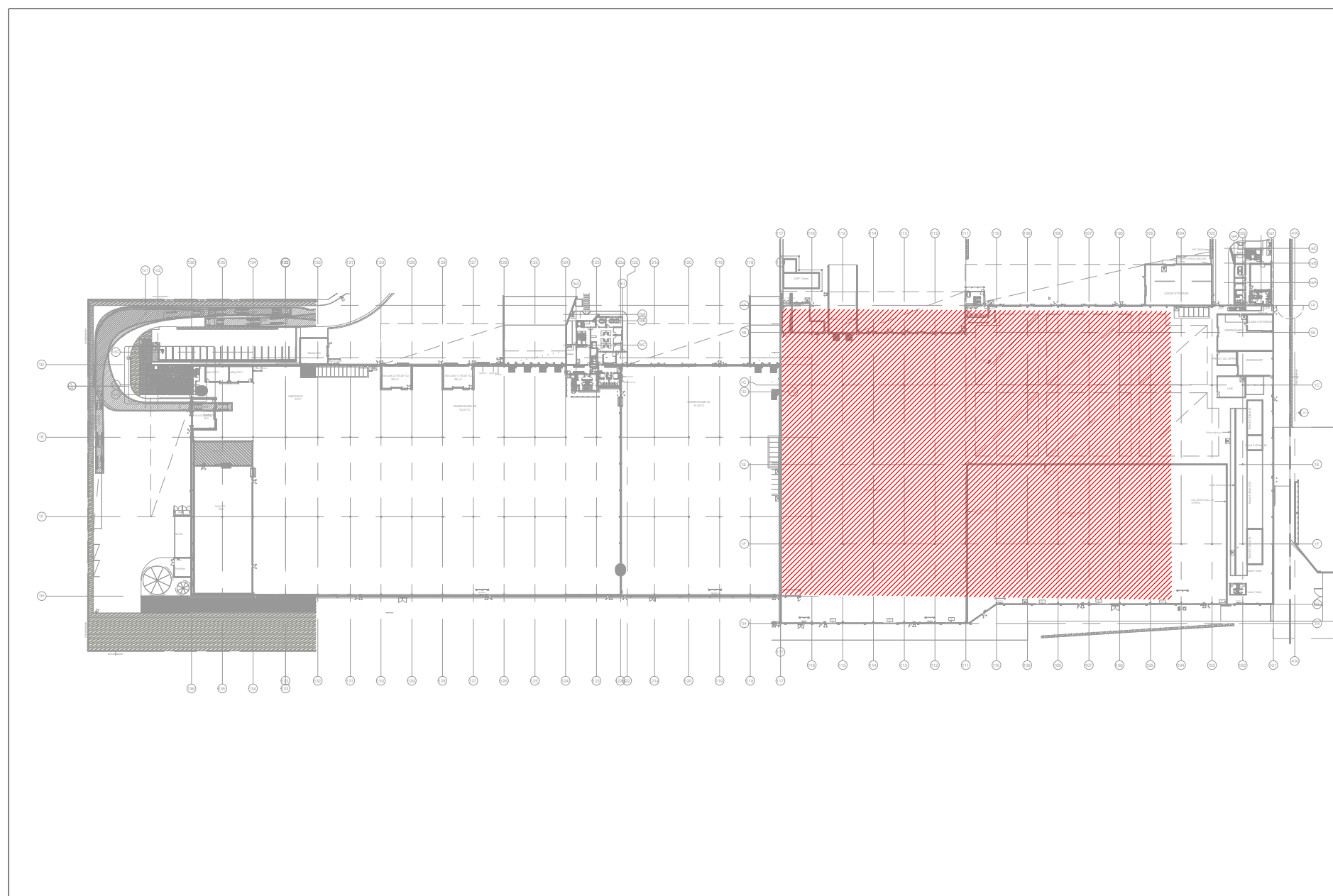
FIRE SPRINKLER SERVICES
UPS WAREHOUSE 2B ROOF LEVEL
LAYOUT SHEET 2 OF 2



DESIGN A L	CHECKED A M.	DATE 15.09.21
ISSUE C	SHEET A0	SCALE 1:100
JOB-NO P210324	DRAWING-NO FF-FS-102	



- 1) SPRINKLER SYSTEM DESIGNED IN ACCORDANCE WITH THE BELOW:
 - EXTRA HIGH HAZARD TO THE WAREHOUSE ROOF LEVEL INCORPORATING K25 ESFR FIRE SPRINKLERS: 10 x SPRINKLER HEADS OPERATING AT 350kPa. (SUITABLE TO STORE CATEGORY 1 TO 4 AND CARTONED CATEGORY 5 (UNEXPANDED PLASTICS) IN OPEN FRAMED RACKS OR BLOCKED STACKS IN ACCORDANCE WITH FM DATA SHEETS 2-8 & 8-9)
 - ORDINARY HAZARD FIRE SPRINKLERS INSTALLED TO THE AWNINGS. 18 x MOST REMOTE SPRINKLERS @ 60 kPa
 - LIGHT HAZARD SPRINKLER PROTECTION TO OFFICE
 - 6 x MOST REMOTE SPRINKLERS @ 67 U/min
- 2) DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
- 3) RANGES TO RUN HARD TO PURLINS U.N.O
- 4) MAIN PIPES TO RUN HARD TO RAFTERS U.N.O
- 5) ALL EXPOSED PIPEWORK TO BE PAINTED SIGNAL RED GLOSS
- 6) STORAGE NOT TO BE STORED WITHIN 914mm OF ROOF LEVEL SPRINKLER DEFLECTOR.
- 7) REVLUCOD INDICATES TRANSLUCENT ROOF SHEET THAT IS TO BE RELOCATED FROM ABOVE FIRE SPRINKLER PIPEWORK. MINIMUM 300mm REQUIRED FROM THE SIDE OF THE SPRINKLER PIPE TO THE TRANSLUCENT SHEET
- 8) A MINIMUM OF 110mm IS TO BE MAINTAINED BETWEEN ALL STRUCTURAL BRACING, STRUTS AND BEAMS, AND THE BOTTOM OF PURLINS



FOR CONTINUATION - REFER TO FF-FS-105

[illegible]

LOT 201 ESR HORSLEY
LOGISTICS PARK
327-335 BURLEY ROAD
HORSLEY PARK NSW



BUILDER
HANSEN YUNCKEN
75/85 O'RIORDAN ST,
ALEXANDRIA NSW 2015

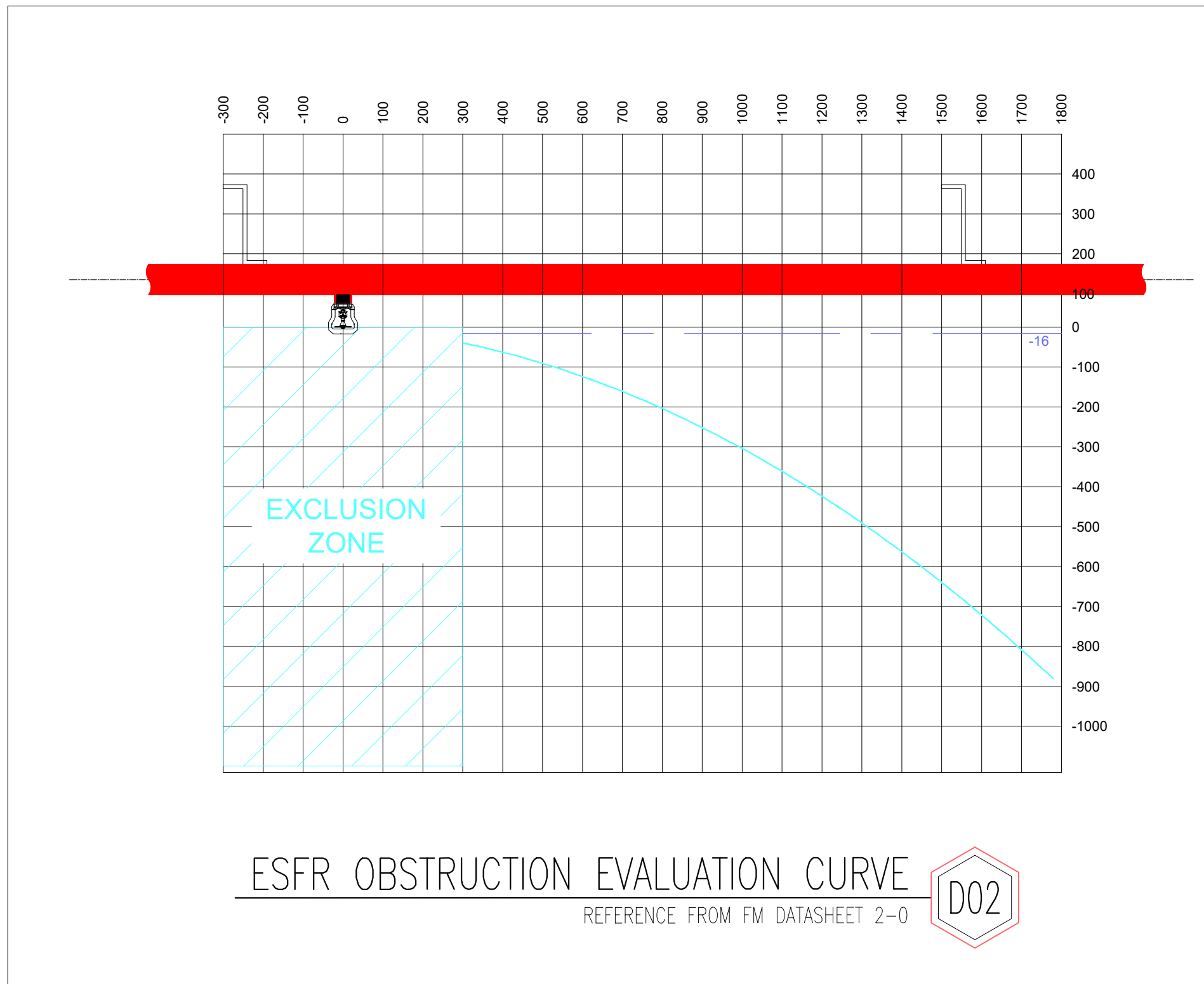
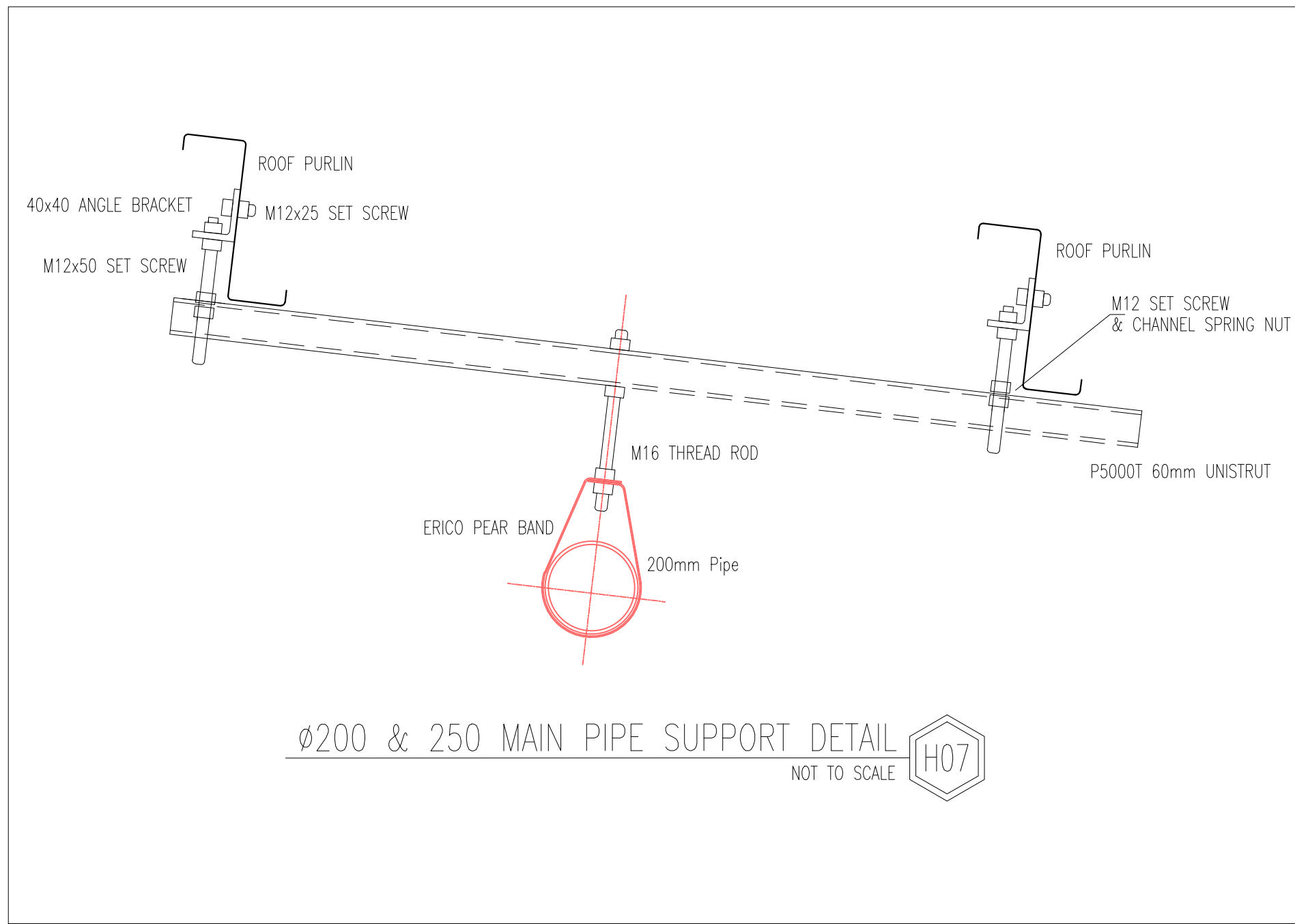
HANSEN YUNCKEN

TITLE

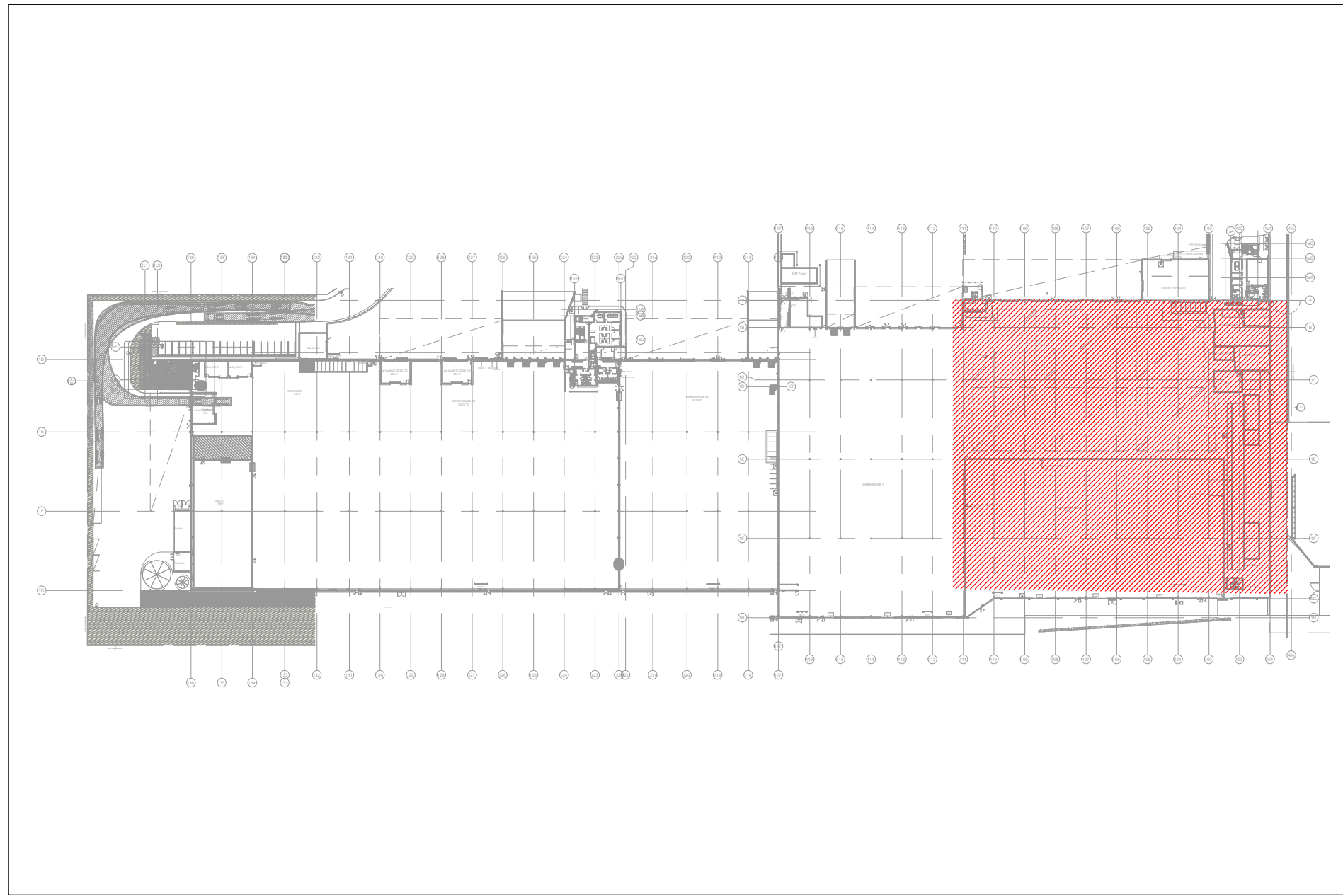
FIRE SPRINKLER SERVICES
JALCO WAREHOUSE 1 ROOF LEVEL
LAYOUT SHEET 1 OF 2

 **FORCE FIRE**
DETECT ► SUPPRESS
UNIT 4, 4 AVENUE OF THE AMERICAS
NEWINGTON NSW 2140
PH : 1300 66 77 04 FAX : 1300 66 77
www.forcefire.com.au

DESIGN A. L.	CHECKED A. M.	DATE 15.09.21
ISSUE C	SHEET A0	SCALE 1:200
JOB-NO P210324	DRAWING-NO FF-FS-104	

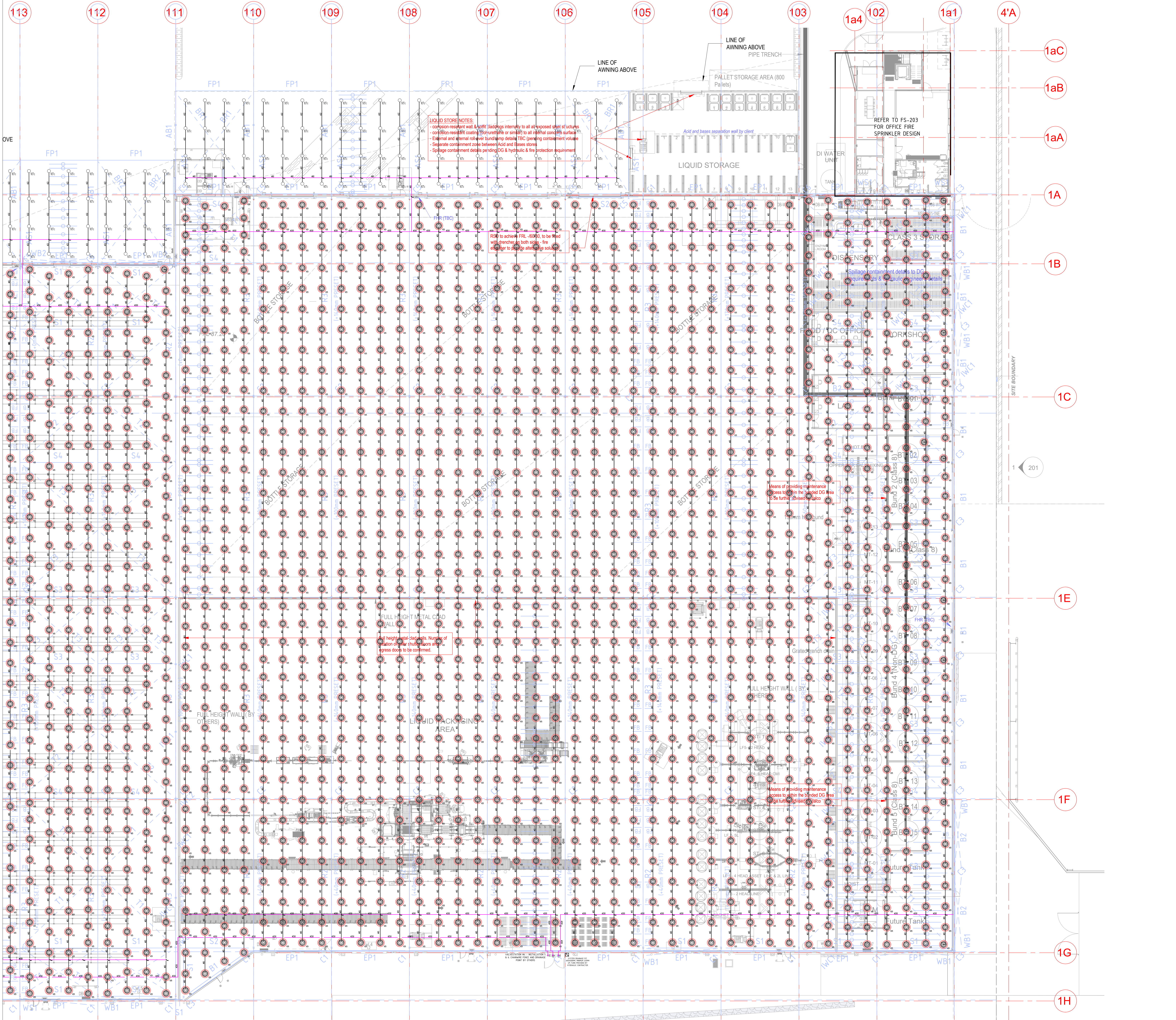


- NOTES**
- 1) SPRINKLER SYSTEM DESIGNED IN ACCORDANCE WITH THE BELOW:
 - EXTRA HIGH HAZARD TO THE WAREHOUSE ROOF LEVEL INCORPORATING K25 ESFR FIRE SPRINKLERS: 10 x SPRINKLER HEADS OPERATING AT 350kPa. (SUITABLE TO STORE CATEGORY 1 TO 4 AND CARTONED CATEGORY 5 (UNEXPANDED PLASTICS) IN OPEN FRAMED RACKS OR BLOCKED STACKS IN ACCORDANCE WITH FM DATA SHEETS 2-0 & 8-9)
 - ORDINARY HAZARD FIRE SPRINKLERS INSTALLED TO THE AWNINGS. 18 x MOST REMOTE SPRINKLERS @ 60 kPa
 - LIGHT HAZARD SPRINKLER PROTECTION TO OFFICE 6 x MOST REMOTE SPRINKLERS @ 67 L/min
 - 2) DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
 - 3) RANGES TO RUN HARD TO PURLINS U.N.O
 - 4) MAIN PIPES TO RUN HARD TO RAFTERS U.N.O
 - 5) ALL EXPOSED PIPEWORK TO BE PAINTED SIGAL RED GLOSS
 - 6) STORAGE NOT TO BE STORED WITHIN 914mm OF ROOF LEVEL SPRINKLER DEFLECTOR.
 - 7) REVCLLOUD INDICATES TRANSLUCENT ROOF SHEET THAT IS TO BE RELOCATED FROM ABOVE FIRE SPRINKLER PIPEWORK. MINIMUM 300mm REQUIRED FROM THE SIDE OF THE SPRINKLER PIPE TO THE TRANSLUCENT SHEET
 - 8) A MINIMUM OF 110mm IS TO BE MAINTAINED BETWEEN ALL STRUCTURAL BRACING, STRUTS AND BEAMS, AND THE BOTTOM OF PURLINS



ISSUE	DATE	REVISION	DESIGN	CHECKED
A	10.09.21	PRELIMINARY	AL	A.M.
B	15.09.21	FOR CONSTRUCTION	AL	A.M.
C	26.09.21	FOR CONSTRUCTION	AL	A.M.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	K25mp 101° ESFR SPRINKLER		FIRE SPRINKLER ALARM VALVE
	15mm K5.6mp 93° SEM-RECESSED SPRINKLER		



FOR CONSTRUCTION

LOT 201 ESR HORSLEY LOGISTICS PARK
327-335 BURLEY ROAD
HORSLEY PARK NSW

FIRE SPRINKLER SERVICES
JALCO WAREHOUSE 1 ROOF LEVEL
LAYOUT SHEET 2 OF 2

DEVELOPER

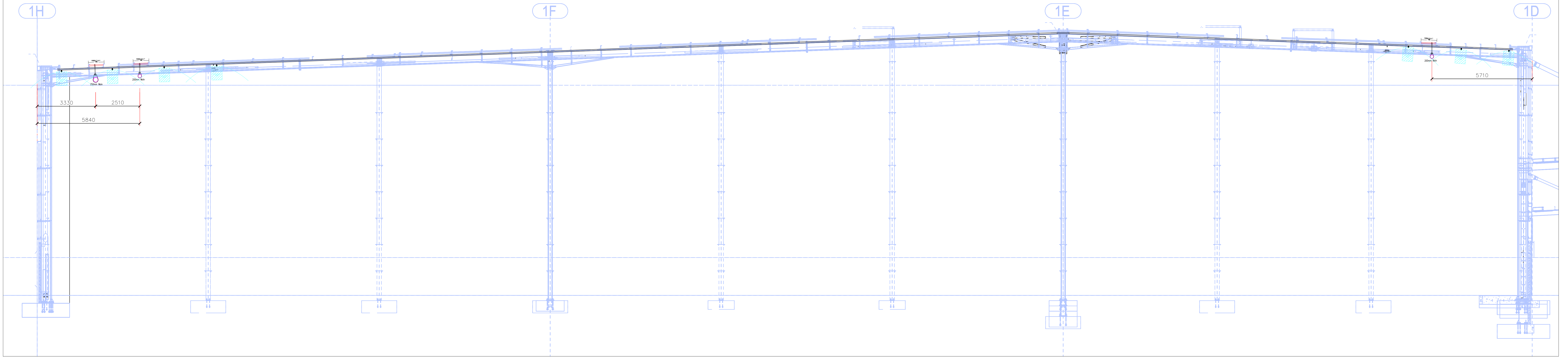
ESR

BUILDER
HANSEN YUNCKEN
75/85 O'RIOURAN ST,
ALEXANDRIA NSW 2015

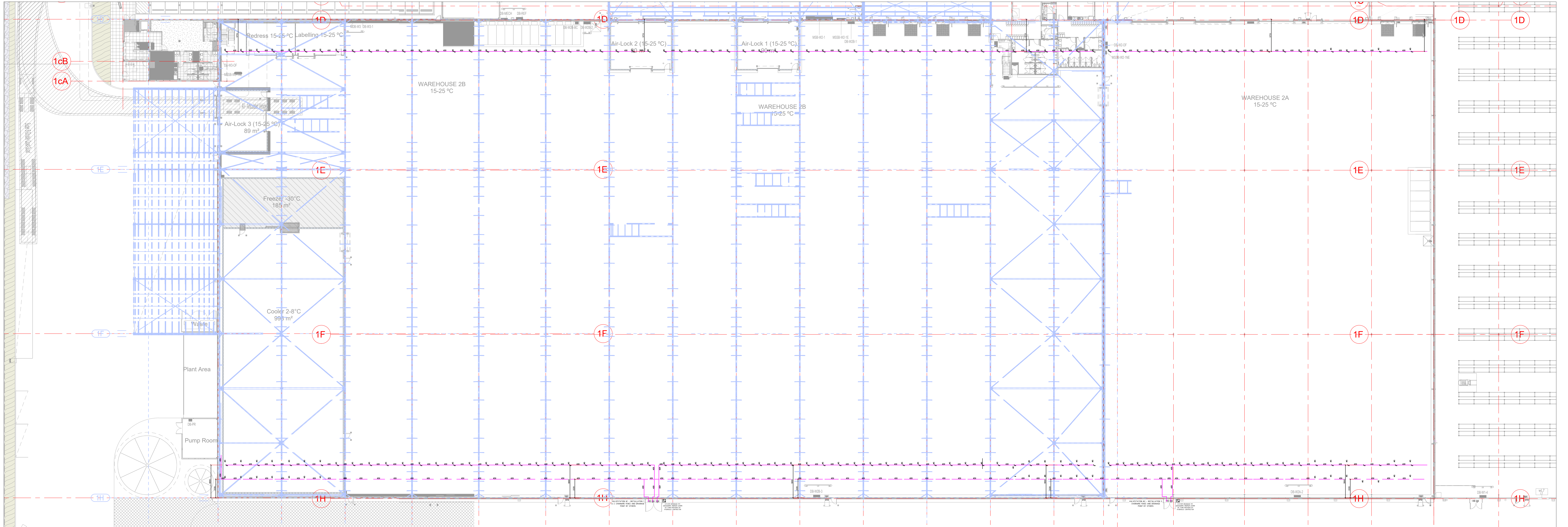
TITLE
FIRE SPRINKLER SERVICES
JALCO WAREHOUSE 1 ROOF LEVEL
LAYOUT SHEET 2 OF 2

FORCE FIRE
DETECT SUPPRESS
UNIT 4, 4 AVENUE OF THE AMERICAS
NEWINGTON NSW 2140
PH : 1300 66 77 04 FAX : 1300 66 77 31
www.forcefire.com.au

DESIGN	A L	CHECKED	A M	DATE	15.09.21
ISSUE	C	SHEET	A0	SCALE	1:200
JOB-NO	P210324	DRAWING-NO	FF-FS-105		

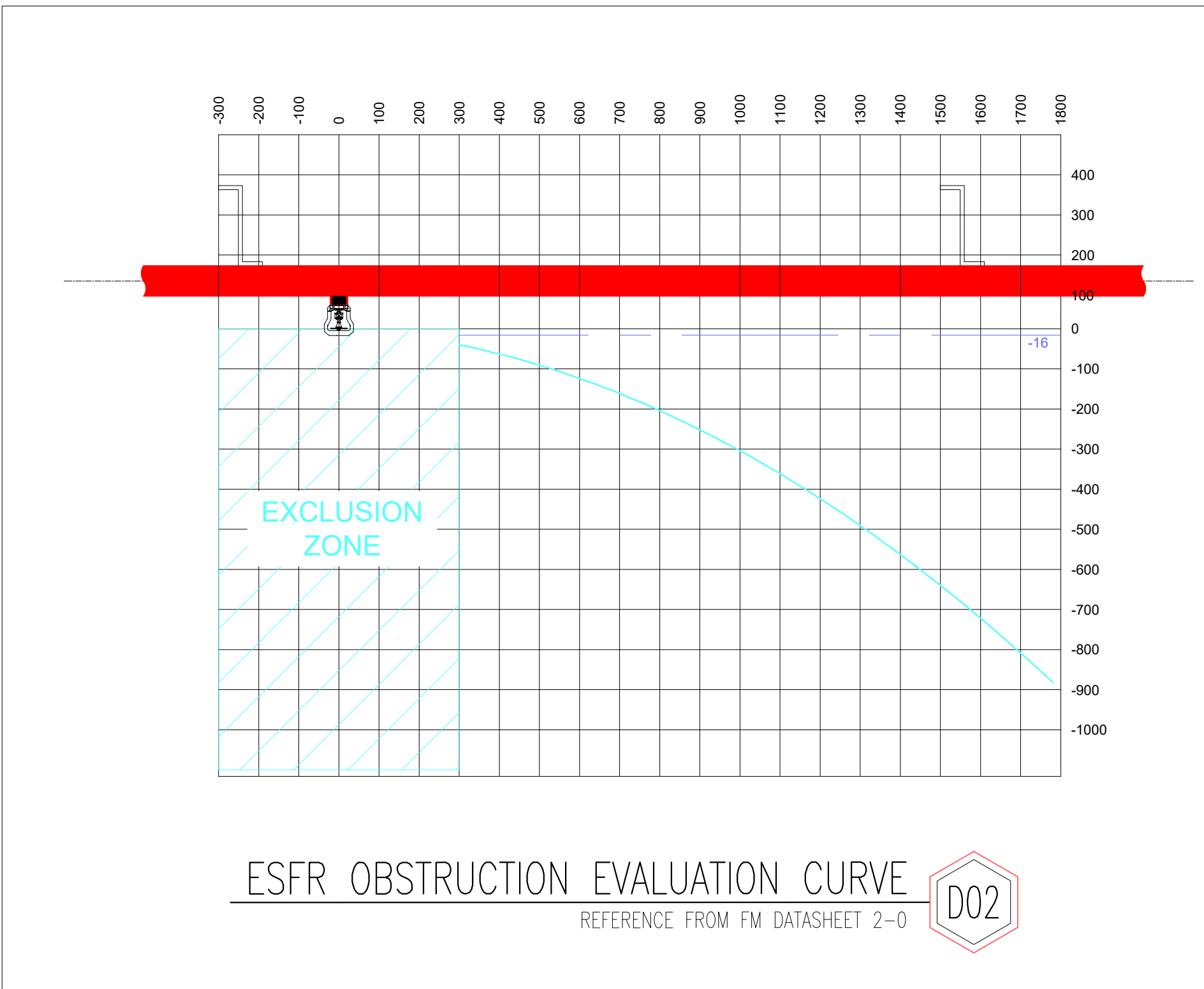
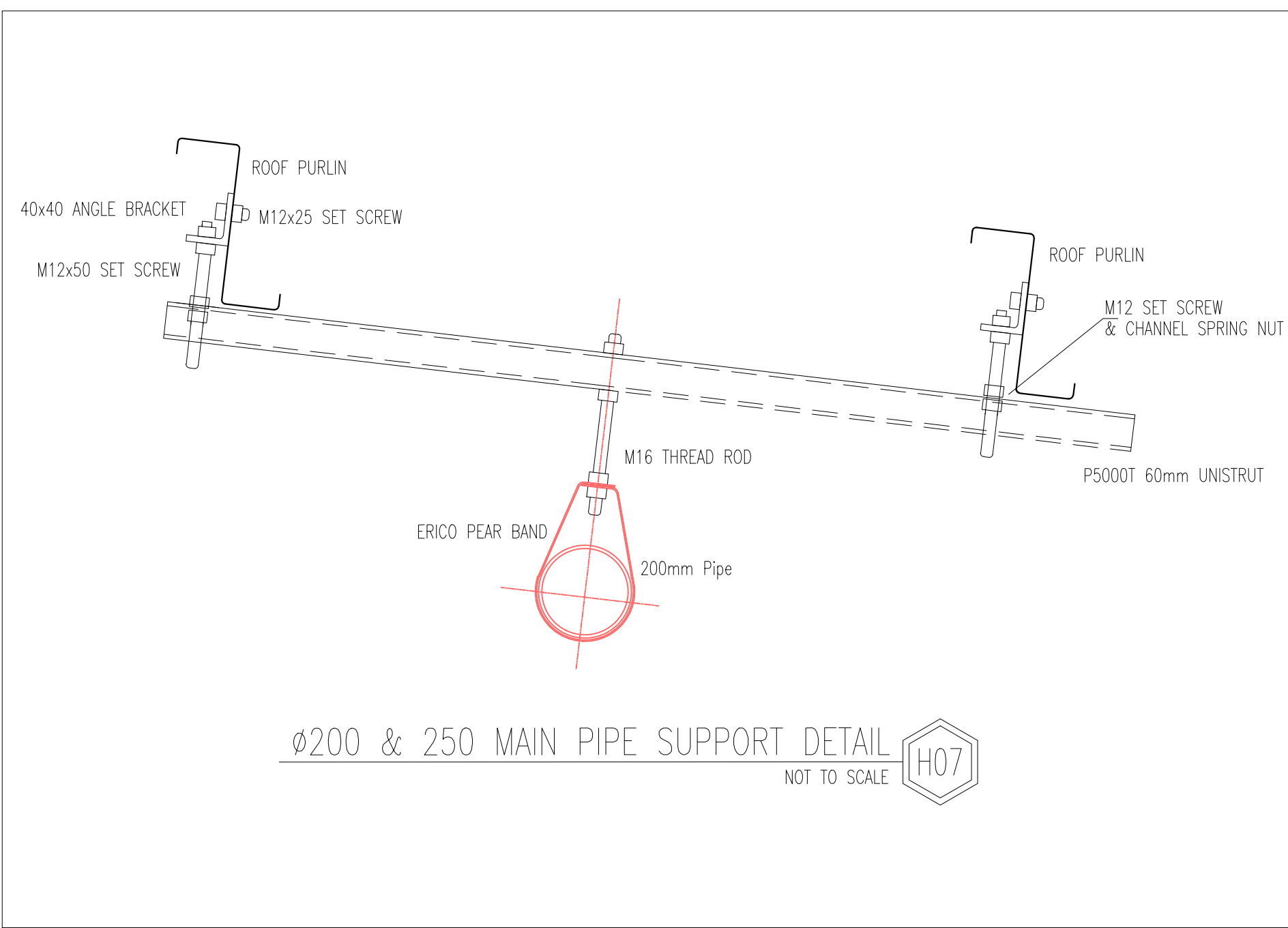


UPS WAREHOUSE 2A & 2B - GRID 136 PORTAL FRAME ELEVATION

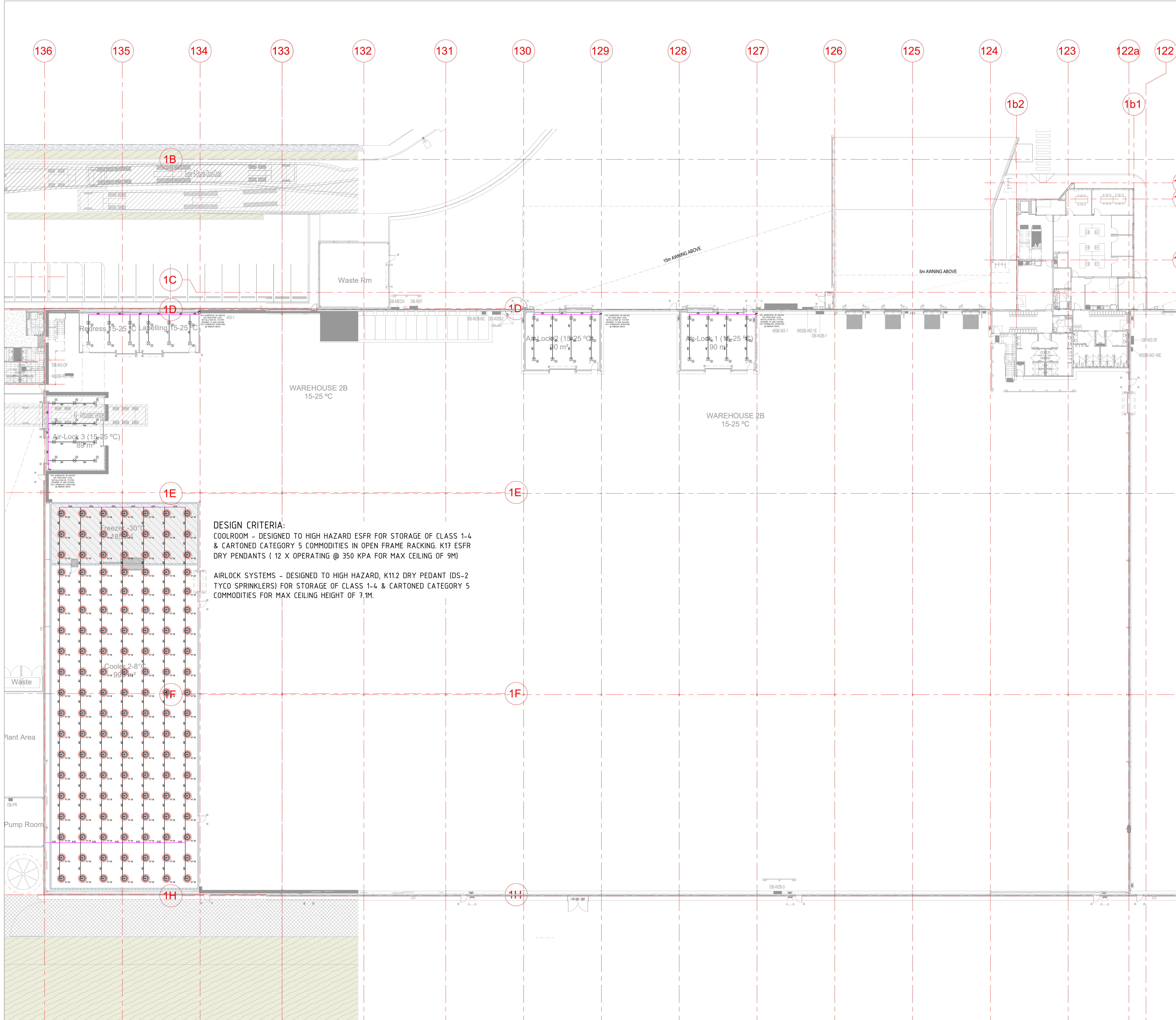
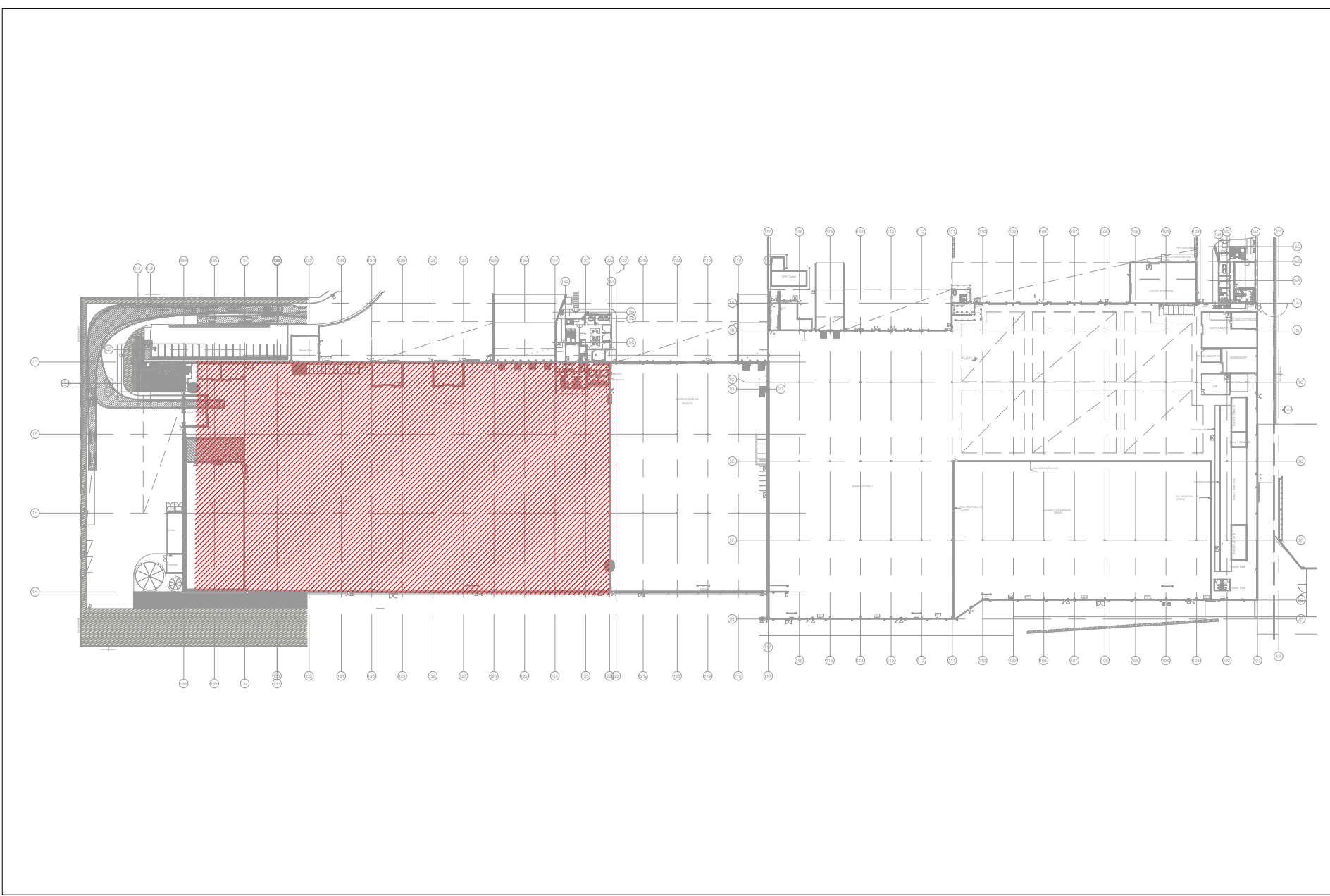


UPS WAREHOUSE 2A & 2B - SPRINKLER MAIN LOADING PLAN

ISSUE	DATE	REVISION	DESIGN	CHECKED	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	PROJECT	BUILDER	DEVELOPER	TITLE	DESIGN	CHECKED	DATE
A	10.09.21	PRELIMINARY	AL	A.M.	●	K25mp 101° ESR SPRINKLER	●	FIRE SPRINKLER ALARM VALVE	LOT 201 ESR HORSLEY LOGISTICS PARK 327-335 BURLEY ROAD HORSLEY PARK NSW	HANSEN YUNCKEN 75/85 O'RIORDAN ST, ALEXANDRIA NSW 2015	ESR	FIRE SPRINKLER SERVICES UPS WAREHOUSE 2A & 2B SPRINKLER MAIN LOADING PLAN	AL	A.M.	15.09.21
B	15.09.21	FOR CONSTRUCTION	AL	A.M.	●	15mm K5.6mp 93° SEM-RECESSED SPRINKLER							B	A.O.	SCALE 1:250
													JOB-NO	DRAWING-NO	
													P210324	FF-FS-401	



- NOTES**
- 1) SPRINKLER SYSTEM DESIGNED IN ACCORDANCE WITH THE BELOW:
 - EXTRA HIGH HAZARD TO THE WAREHOUSE ROOF LEVEL INCORPORATING K25 ESFR FIRE SPRINKLERS: 10 x SPRINKLER HEADS OPERATING AT 350kPa. (SUITABLE TO STORE CATEGORY 1 TO 4 AND CARTONED CATEGORY 5 (UNEXPANDED PLASTICS) IN OPEN FRAMED RACKS OR BLOCKED STACKS IN ACCORDANCE WITH FM DATA SHEETS 2-0 & 8-9)
 - ORDINARY HAZARD FIRE SPRINKLERS INSTALLED TO THE AWNINGS. 18 x MOST REMOTE SPRINKLERS @ 60 kPa
 - LIGHT HAZARD SPRINKLER PROTECTION TO OFFICE 6 x MOST REMOTE SPRINKLERS @ 67 L/min
 - 2) DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
 - 3) RANGES TO RUN HARD TO PURLINS U.N.O
 - 4) MAIN PIPES TO RUN HARD TO RAFTERS U.N.O
 - 5) ALL EXPOSED PIPEWORK TO BE PAINTED SIGAL RED GLOSS
 - 6) STORAGE NOT TO BE STORED WITHIN 914mm OF ROOF LEVEL SPRINKLER DEFLECTOR.
 - 7) REVCLLOUD INDICATES TRANSLUCENT ROOF SHEET THAT IS TO BE RELOCATED FROM ABOVE FIRE SPRINKLER PIPEWORK. MINIMUM 300mm REQUIRED FROM THE SIDE OF THE SPRINKLER PIPE TO THE TRANSLUCENT SHEET
 - 8) A MINIMUM OF 110mm IS TO BE MAINTAINED BETWEEN ALL STRUCTURAL BRACING, STRUTS AND BEAMS, AND THE BOTTOM OF PURLINS



ISSUE	DATE	REVISION	DESIGN	CHECKED
A	10.09.21	PRELIMINARY	AL	A.M.
B	15.09.21	FOR CONSTRUCTION	AL	A.M.
C	26.09.21	FOR CONSTRUCTION	AL	A.M.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	K25mp 101° ESFR SPRINKLER		FIRE SPRINKLER ALARM VALVE
	15mm K5.6mp 93° SEM-RECESSED SPRINKLER		

FOR CONSTRUCTION

PROJECT

LOT 201 ESR HORSLEY LOGISTICS PARK
327-335 BURLEY ROAD
HORSLEY PARK NSW

DEVELOPER

BUILDER

HANSEN YUNCKEN
75/85 O'RIORDAN ST,
ALEXANDRIA NSW 2015

TITLE

FIRE SPRINKLER SERVICES
UPS WAREHOUSE 2B LOW LEVEL
FIT-OUT LAYOUT

DESIGN

AL

ISSUE

C

JOB-NO

P210324

CHECKED

A.M.

SHEET

A0

DRAWING-NO

FF-FS-402

DATE

15.09.21

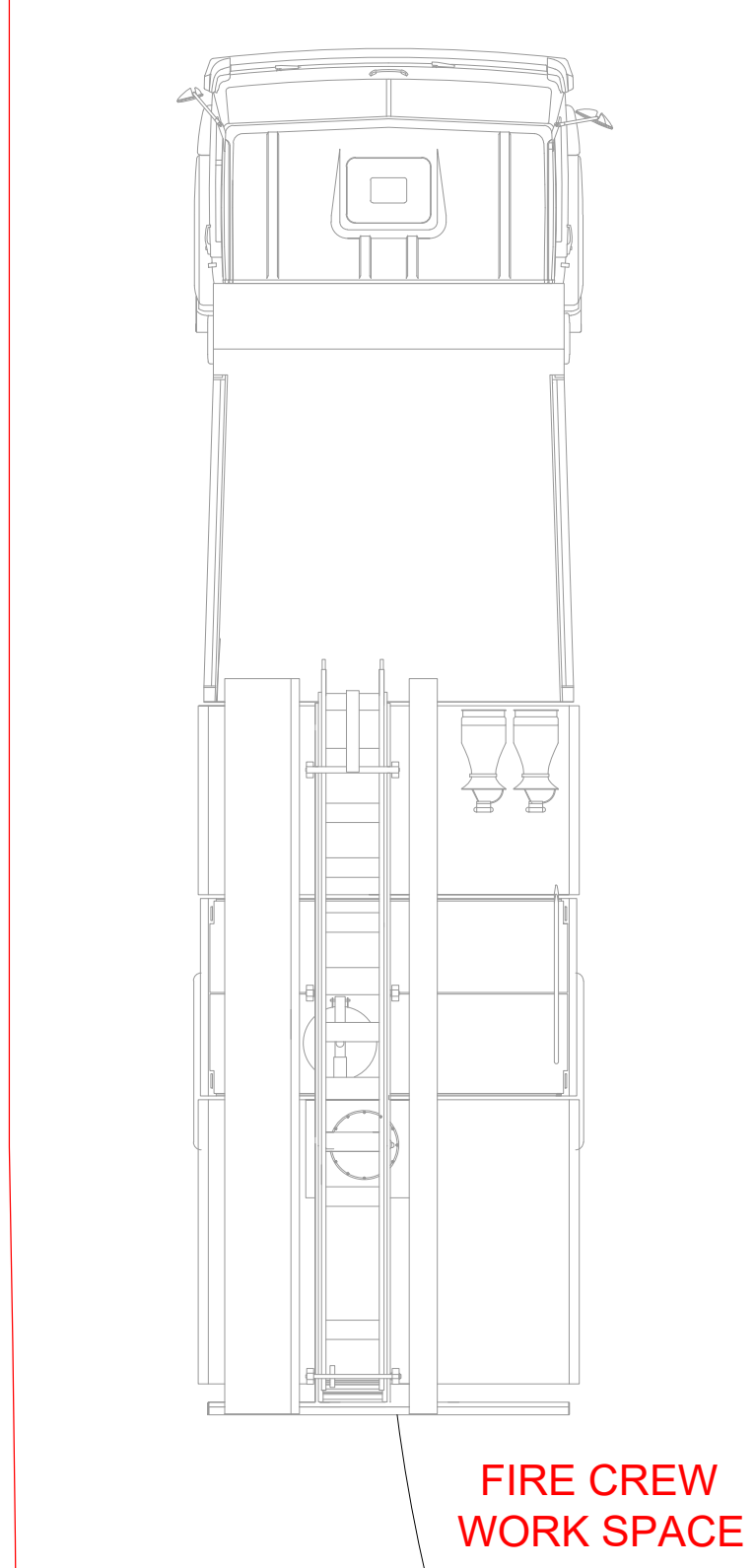
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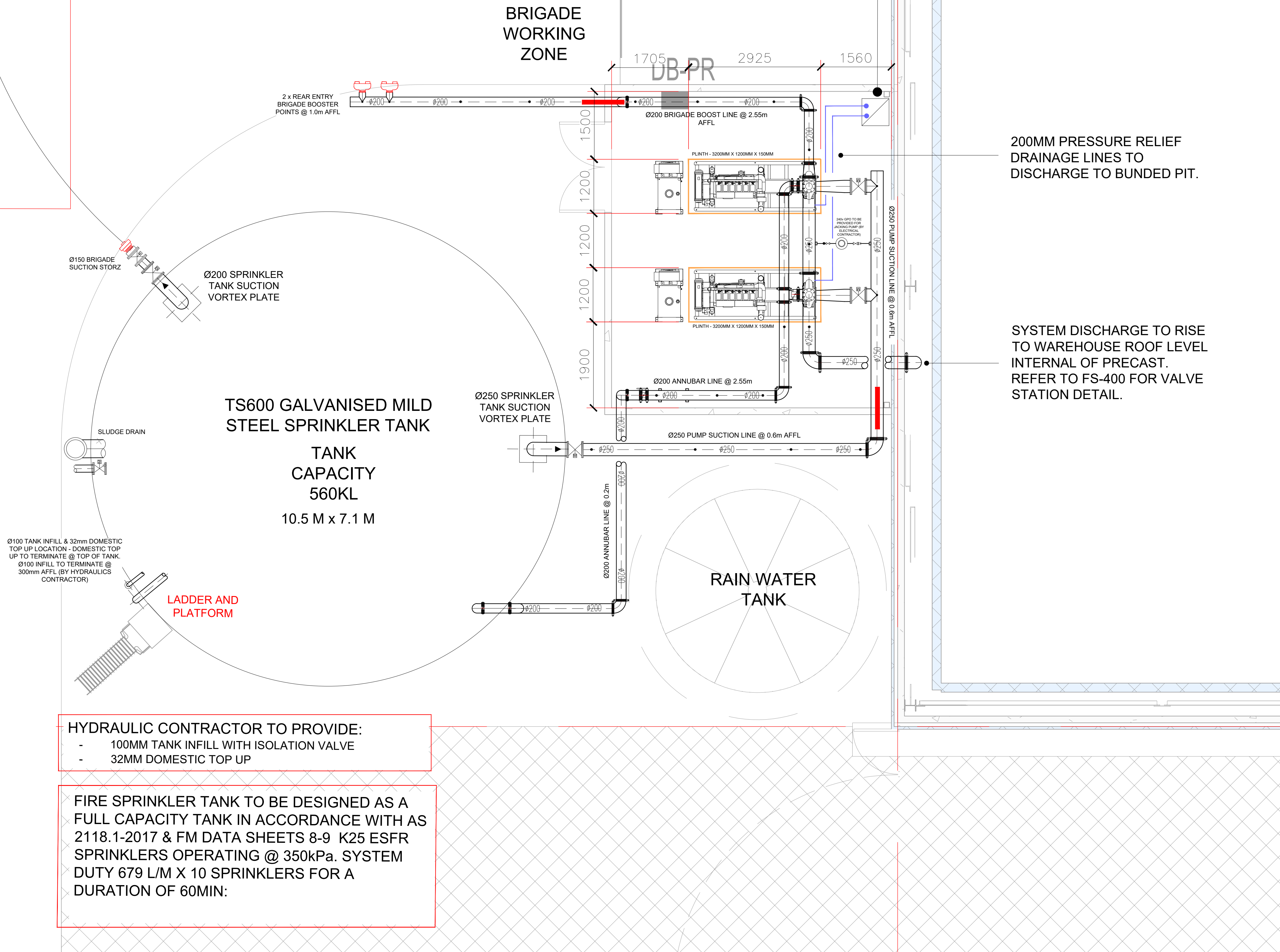
FORCE FIRE

DETECT SUPPRESS

UNIT 4, 4 AVENUE OF THE AMERICAS
NEWINGTON NSW 2140
PH : 1300 66 77 04 FAX : 1300 66 77 31
www.forcefire.com.au



FIRE CREW
WORK SPACE



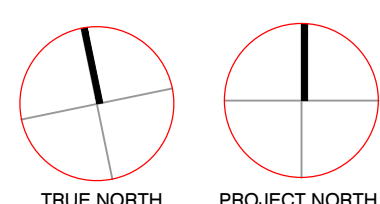
HYDRAULIC CONTRACTOR TO PROVIDE:

- 100MM TANK INFILL WITH ISOLATION VALVE
- 32MM DOMESTIC TOP UP

FIRE SPRINKLER TANK TO BE DESIGNED AS A FULL CAPACITY TANK IN ACCORDANCE WITH AS 2118.1-2017 & FM DATA SHEETS 8-9 K25 ESFR SPRINKLERS OPERATING @ 350kPa. SYSTEM DUTY 679 L/M X 10 SPRINKLERS FOR A DURATION OF 60MIN:

PUMP ROOM & TANK LAYOUT

FOR CONSTRUCTION



PROJECT

LOT 201 ESR HORSLEY
LOGISTICS PARK
327-335 BURLEY ROAD
HORSLEY PARK NSW

DEVELOPER



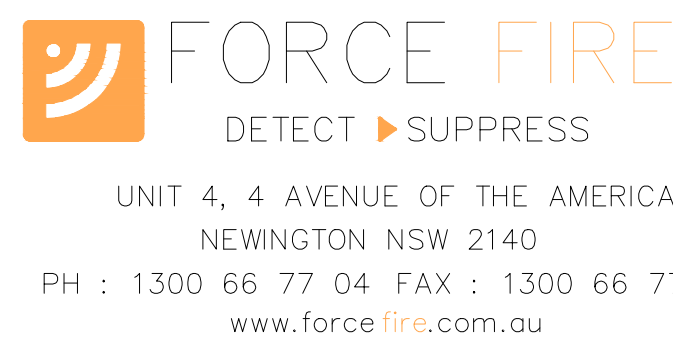
BUILDER

HANSEN YUNCKEN
75/85 O'RIORDAN ST,
ALEXANDRIA NSW 2015



TITLE

FIRE SPRINKLER SERVICES
WAREHOUSE PUMP ROOM &
TANK LAYOUT



DESIGN

A L

CHECKED

A M

DATE

15.09.21

ISSUE

C

SHEET

A0

SCALE

1:50

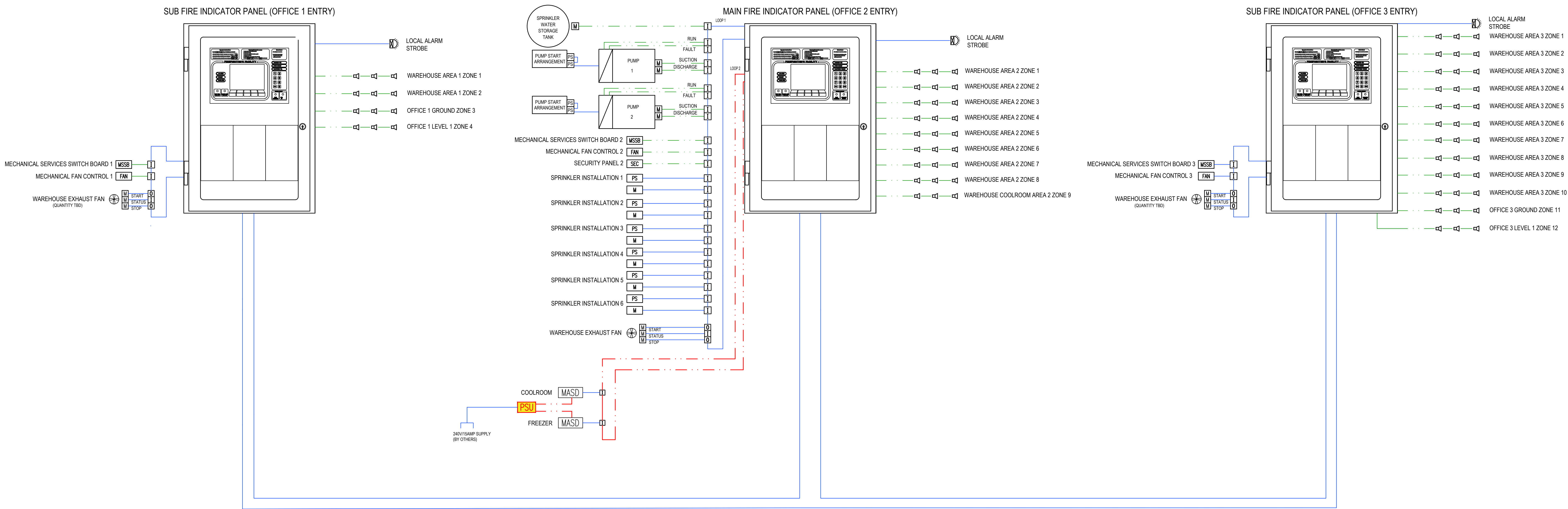
JOB-NO

P210324

DRAWING-NO

FF-FS-500

PROJECT		NORTH	
LOT 201 ESR HORLSLEY LOGISTIC PARK 327-335 BURLEY ROAD, HORSLEY PARK NSW			
DRAWING TITLE	SCALE 1:500	DATE APR 2021	JOB NO 32486
SITE PLAN & PROTECTION CRITERIA DETAIL		DRAWING NUMBER	
		FS-PP-32486-F0001-04	
		Rev.	04



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DATE	REV	DESCRIPTION	INITIAL
02/06/2021	01	70% DRAWING ISSUE	M.A.
08/07/2021	02	100% DRAWING ISSUE	M.A.
19/08/2021	03	NOTES UPDATED	M.A.

NOTES

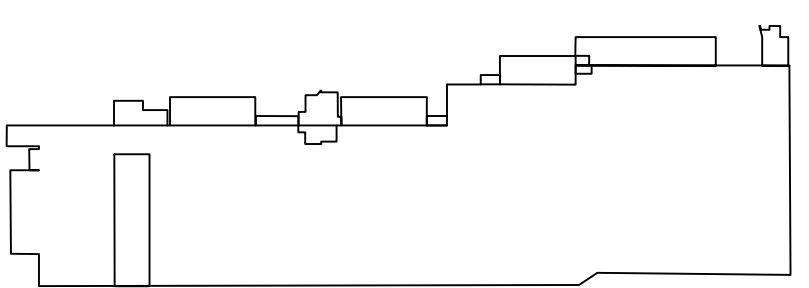
- 1) SPRINKLER SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH AS2118.1:2017.
- HIGH HAZARD TO WAREHOUSE ROOF INCORPORATING K25 ESFR SPRINKLERS.
- TO SPRINKLERS OPERATING @ 100PSI.
- ORDINARY HAZARD 3 TO WAREHOUSE AREAS AND LABORATORY ROOM INCORPORATING FAST RESPONSE SPRINKLERS. 10 OPERATING AT 100 PSI.
- LIGHT HAZARD TO OFFICE AND JANNETTES INCORPORATING FAST RESPONSE SPRINKLERS. 6 SPRINKLERS OPERATING AT 100 PSI.
- 2) ALL EXPOSED PIPEWORK TO BE FINISH PAINTED RED GLOSS ENAMEL.
- 3) FIRE SPRINKLER TANK TO BE GALVANIZED STEEL.
- 4) THE OCCUPANT WARNING SYSTEM FOR EMERGENCY PURPOSES (OWS) DESIGNED & INSTALLED IN ACCORDANCE WITH AS 1859.1:2018.
- 5) LOCATE HORN SPEAKERS MINIMUM 600mm FROM ANY SPRINKLER HEAD.
- 6) DO NOT SCALE DRAWING. USE FIGURED DIMENSIONS.

LEGEND

SYMBOL	DESCRIPTION
	WARNING SYSTEM HORN SPEAKER
	SURFACE WARNING SYSTEM SPEAKER
	CEILING MOUNTED SPEAKER
	24 VDC ELECTRIC STROBE
	VOID PHOTO OPTICAL SMOKE DETECTOR
	PHOTO OPTICAL SMOKE DETECTOR
	INPUT MODULE
	MANUAL BREAK GLASS ALARM
	ELECTROMAGNETIC DOOR HOLDER
	FIRE DETECTION CIE
	SUB-FIRE DETECTION CIE
	DATA GATHERING PANEL

SYMBOL	DESCRIPTION
	2 CORE FIRE RATED 1.5mm ² CABLE U.N.O.
	2 CORE TPS 1.5mm ² CABLE - SMOKE DETECTORS
	2 CORE FLAT TWIN 1.5mm ² CABLE - SPEAKERS
	2 CORE SCREENED 1.5mm ² CABLE
	2 CORE FIRE RATED SCREENED 1.5mm ² CABLE
	2 CORE TPS 1.5mm ² CABLE - STROBES

SITE PLAN



HANSEN YUNCKEN

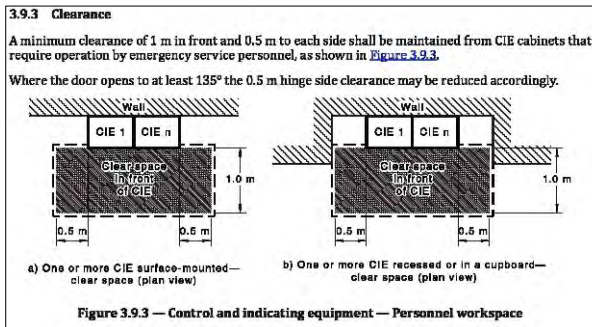
FlameSafe Fire Protection



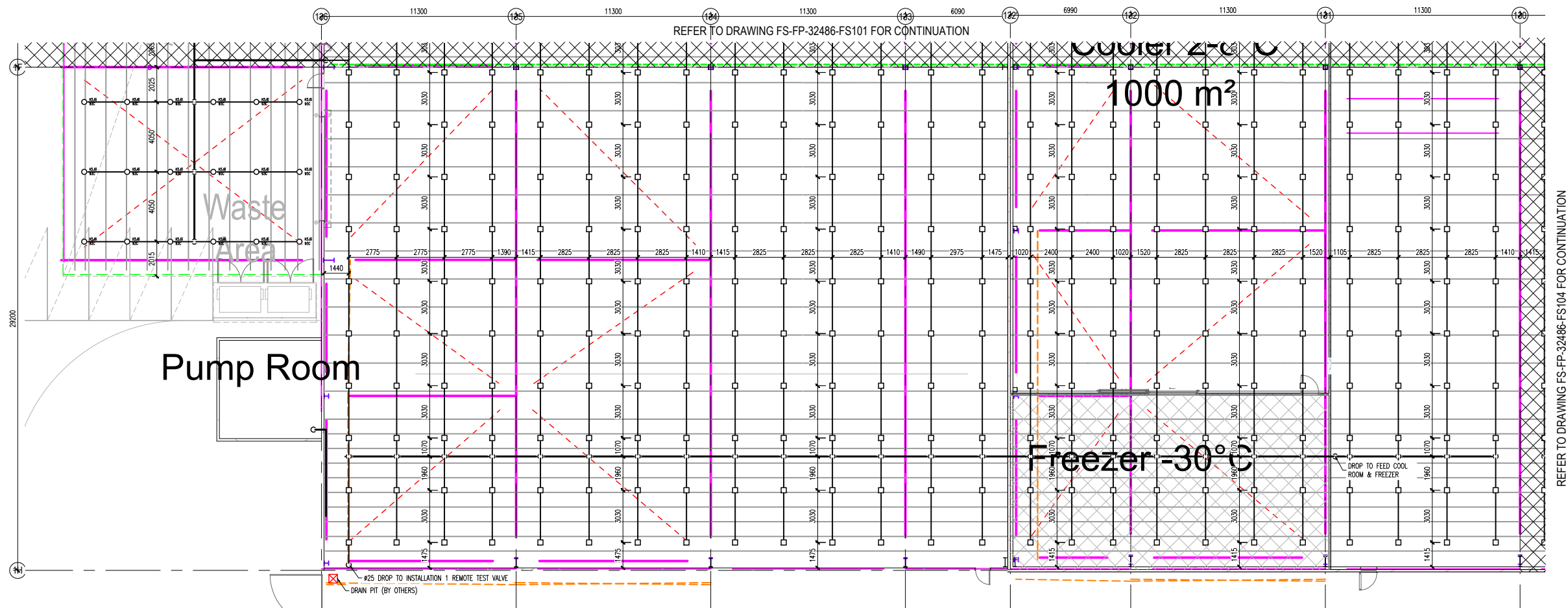
PROTECTING YOUR VALUABLE ASSETS

ABN 62 071 993 292
UNIT 2, 8-10 MARY PARADE
RYDALMERE N.S.W. 2116
Phone: 02 9638 1662
EMAIL: info@flamesafe.com.au

PROJECT	NORTH
LOT 201 ESR HORLSLEY LOGISTIC PARK 327-335 BURLEY ROAD, HORSLEY PARK NSW	
DRAWING TITLE	DATE APR 2021 JOB No. 32486
SCHEMATIC DIAGRAM	DRAWING NUMBER FE-FP-32486-FE100.03
AUTOMATIC FIRE ELECTRIC SYSTEM	Rev. 03



DRAWING TITLE	DESIGN	DATE	JOB No.
	C.B.B	APR 2021	32486
WAREHOUSE ROOF	DRAWN	DRAWING NUMBER	
	C.B.B		
AUTOMATIC FIRE ELECTRIC SYSTEM	CHECKED	FE-PP-32486-FE110-03	
	M.A		
	SCALE		
	1:500		
	A0		
	Rev.	03	

[illegible]

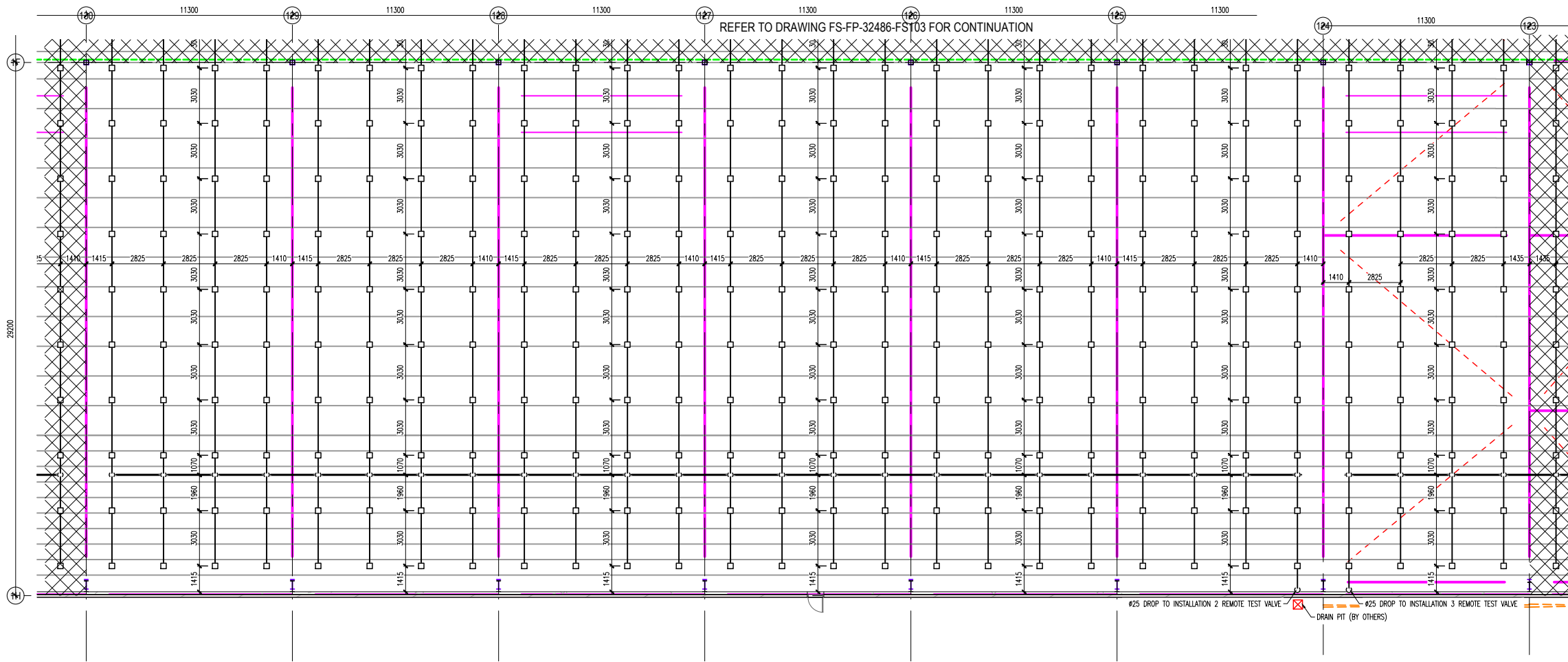
LEGEND

SYMBOL	QTY	DESCRIPTION
	-	Q25 x 101°C BRASS PENDENT K25 ESFR SPRINKLER
	-	Q25 x 101°C BRASS PENDENT K25 ESFR SPRINKLER ON Ø50 DROPPER
	-	Q20 x 101°C BRASS PENDENT K17 ESFR SPRINKLER
	-	Ø15 x 93°C BRASS PENDENT FAST RESPONSE SPRINKLER
	-	Ø15 x 93°C BRASS PENDENT FAST RESPONSE SPRINKLER ON Ø25 DROPPER
	-	Ø15 x 93°C BRASS UPRIGHT FAST RESPONSE SPRINKLER
		RISE OR DROP IN PIPEWORK
		REDUCTION IN PIPE SIZE
		WARNING SYSTEM HORN SPEAKER



PROJECT		NORTH	
LOT 201 ESR HORTSLEY LOGISTIC PARK 327-335 BURLEY ROAD, HORTSLEY PARK NSW			
DRAWING TITLE	DESIGN	DATE	JOB NO.
WAREHOUSE ROOF GRIDS 136-130 & 1F -1H	S.O	APR 2021	32486
	DRAWN	DRAWING NUMBER	
	S.O		
	CHECKED		
	S.A.F	PSF 32486-FS102-02	
AUTOMATIC FIRE SPRINKLER SYSTEM	1:100	Rev.	02
	AD		

REFER TO DRAWING FS-FP-32486-FS102 FOR CONTINUATION



REFER TO DRAWING ES-EP-32486-ES106 FOR CONTINUATION

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DATE	REV.	DESCRIPTION	INITIAL
26/05/2021	01	30% ISSUE	S.A.F.
08/07/2021	02	100% ISSUE	S.A.F.

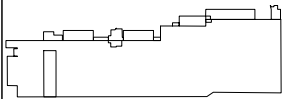
NOTES

- 1 SPRINKLER SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH AS2181.1:2017 AND FIA DATA SHEET 2.0 AND B-8
- HIGH RADIANT TO WAREHOUSE ROOF OPERATING AT 25 PSIG
- SPRINKLER OPERATING AT 15 PSIG
- ORDINARY HAZARD 3 TO ANNIING AREAS INCORPORATING FAST RESPONSE SPRINKLERS, OPERATING AT 60 in.
- ORDINARY HAZARD 3 TO UNDERGROUND AREAS INCORPORATING FAST RESPONSE SPRINKLERS, OPERATING AT 60 in.
- LIGHT HAZARD TO OFFICE AND ANNEXES INCORPORATING FAST RESPONSE SPRINKLERS, OPERATING AT 40 in.
- ALL EXPOSED PIPEWORK TO BE FINISH PAINTED RED GLOSS ENAMEL.
- 3 DO NOT SCALE DRAWING. USE DIMENSIONS DIMENSIONS.
- 4 FIRE PROTECTED TANK TO BE GAS TIGHT.
- 5 THE OCCUPANT WARNING SYSTEMS FOR EMERGENCY PURPOSES (OWS) DESIGNED & INSTALLED ACCORDING TO BCA & 10/11/21/25
- 6 LOCATE ALL WATER MAINS AND FIRE MAINS IN ACCORDANCE WITH ANY SPRINKLER HEAD
- 7 DOES NOT REQUIRE SMOKE DETECTOR THROUGHOUT THE FACILITY.

LEGEND

SYMBOL	QTY	DESCRIPTION
	-	025 x 101°C BRASS PENDENT K25 ESFR SPRINKLER
	-	015 x 50°C BRASS PENDENT K25 ESFR SPRINKLER ON 050 DROPPER
	-	020 x 101°C BRASS PENDENT K17 ESFR SPRINKLER
	-	015 x 50°C BRASS PENDENT FAST RESPONSE SPRINKLER
	-	015 x 50°C BRASS PENDENT FAST RESPONSE SPRINKLER ON 025 DROPPER
	-	015 x 93°C BRASS UPRIGHT FAST RESPONSE SPRINKLER
	-	RISE OR DROP IN PIPEWORK
	-	REDUCTION IN PIPE SIZE
	-	WARNING SYSTEM HORN SPEAKER

SITE PLAN



HANSEN YUNCKEN

FlameSafe Fire Protection

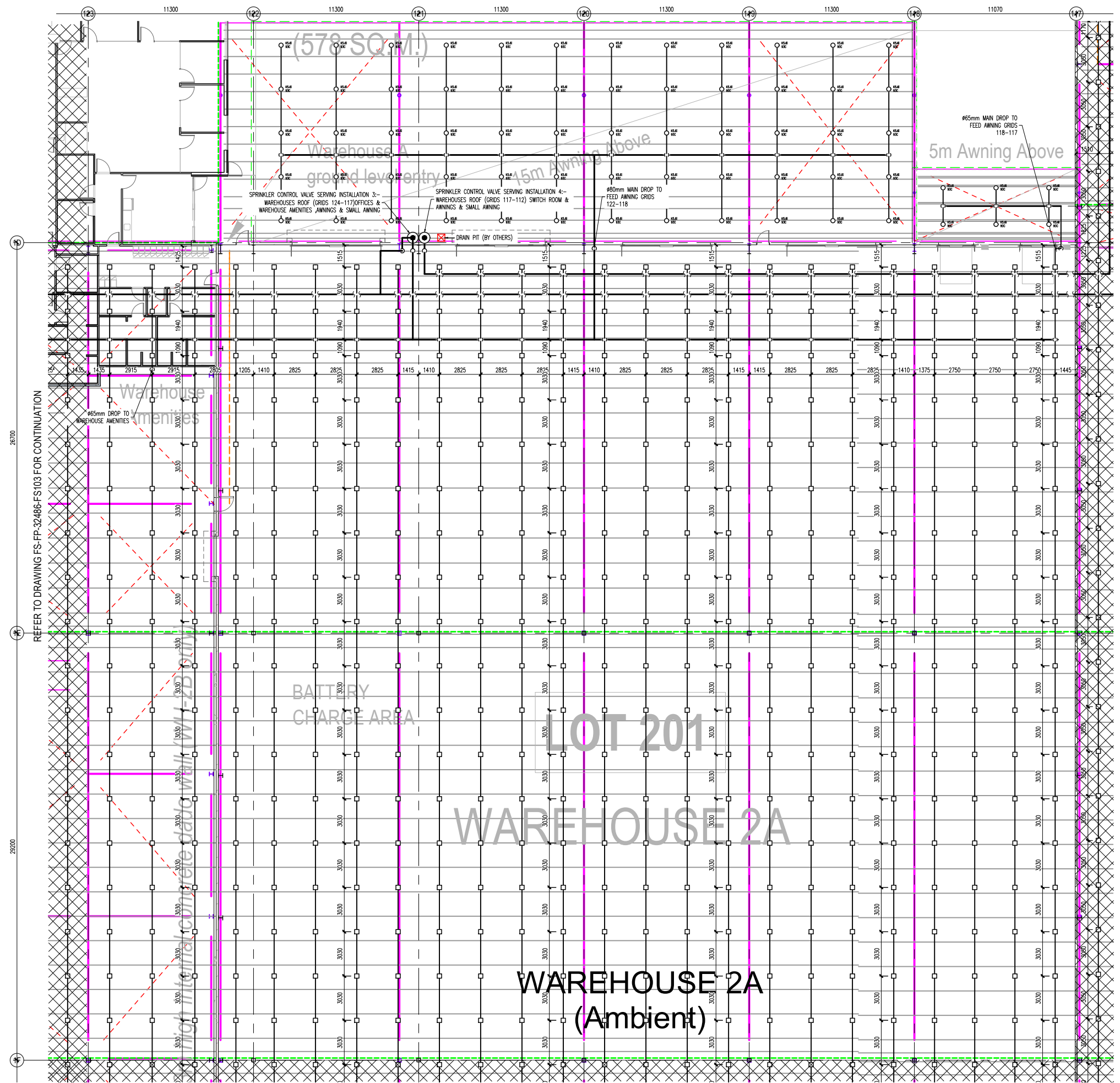


PROTECTING YOUR VALUABLE ASSETS

ABN 62 071 993 292
UNIT 2, 8-10 MARY PARADE Phone: 02 9638 1662
RYDALMERE N.S.W. 2116 EMAIL: info@flamesafe.com.au

PROJECT	NORTH
LOT 201 ESR HORLSLEY LOGISTIC PARK 327-335 BURLEY ROAD, HORSLEY PARK NSW	

DRAWING TITLE WAREHOUSE ROOF GRIDS 130-123 & 1F-1H AUTOMATIC FIRE SPRINKLER SYSTEM	DESIGN	DATE	JOB No.
	S.O.	APR 2021	32486
	DRAWN	DRAWING NUMBER	
	S.O.	FS-FP-32486-FS104-03	
	CHECKED		
	S.A.F		
	SCALE		
	1:100	Rev.	02
AD			



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DATE	REV	DESCRIPTION	INITIAL
26/05/2021	01	30% ISSUE	S.A.F.
08/07/2021	02	100% ISSUE	S.A.F.

NOTES

- 1) SPRINKLER SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH AS1851:2017 AND FIRE DATA SHEET 2.6 AND 8.8.
HIGH RADIANT TO WAREHOUSE ROOF INCORPORATING K25 ESFR SPRINKLERS.
15 SPRINKLERS OPERATING @ 300W.
ORDINARY RADIANT TO 15M AWNING AREAS INCORPORATING FAST RESPONSE SPRINKLERS, 18 OPERATING AT 60 WPM.
ORDINARY RADIANT TO UNDERCROFT AREAS INCORPORATING FAST RESPONSE SPRINKLERS, 12 OPERATING AT 60 WPM.
LIGHT RADIANT TO OFFICE AND AMBITIES INCORPORATING FAST RESPONSE SPRINKLERS, 6 SPRINKLERS OPERATING AT 75 WPM.
2) ALL EXPOSED PIPING TO BE FINISH PAINTED RED GLOSS ENAMEL.
3) DO NOT SCALE DRAWING, USE FIGURED DIMENSIONS.
4) FIRE SPRINKLER TANK TO BE GALVANIZED STEEL.
5) THE OCCUPANT WARNING SYSTEMS FOR EMERGENCY PURPOSES (OWS) DESIGNED & INSTALLED ACCORDING TO SCA & AS 1871:2017.
6) LOCATE HORN SPEAKERS MINIMUM 800mm FROM ANY SPRINKLER HEAD.
7) MCC DOES NOT REQUIRE SMOKE DETECTION THROUGHOUT THE FACILITY.

LEGEND

SYMBOL	QTY	DESCRIPTION
□	1	K25 x 101°C BRASS PENDENT K25 ESFR SPRINKLER
□	1	K25 x 101°C BRASS PENDENT K25 ESFR SPRINKLER ON DSI DROPPER
□	1	K25 x 101°C BRASS PENDENT K17 ESFR SPRINKLER
○	1	015 x 50°C BRASS PENDENT FAST RESPONSE SPRINKLER
○	1	015 x 50°C BRASS PENDENT FAST RESPONSE SPRINKLER ON DSI DROPPER
○	1	015 x 50°C BRASS UPRIGHT FAST RESPONSE SPRINKLER
○	1	RISE OR DROP IN PIPEWORK
○	1	REDUCTION IN PIPE SIZE
○	1	WARNING SYSTEM HORN SPEAKER

SITE PLAN

HANSENYUNCKEN

FlameSafe Fire Protection

PROTECTING YOUR VALUABLE ASSETS

ABN 62 071 993 292
UNIT 2, 8-10 MARY PARADE
RYDALMERE N.S.W. 2116
Phone: (02) 9638 1662
Email: info@flamesafe.com.au

PROJECT	NORTH
LOT 201 ESR HORLSLEY LOGISTIC PARK 327-335 BURLEY ROAD, HORLSLEY PARK NSW	

DRAWING TITLE	DESIGN	DATE	JOB No.
WAREHOUSE ROOF GRIDS 123-117 & 1D -1F	S.O.	APR 2021	33486

SCALE	Rev.	02
1:100 AS		

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NOTES

- LEGEND**

TE PLAN 

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PROJECT	NORTH
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PROJECT	NORTH
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PROJECT	NORTH
QT 004	

LOT 201

HORRISLEY



HURLSLEY
STIC PARK

STIC PARK
BURLY ROAD

STREET ROAD,
EY PARK NSW

DESIGN	DATE	JOB No.
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NO TITLE	S.O.	APR 2021	32486
USE BOOK	DRAWN	DRAWING NUMBER	

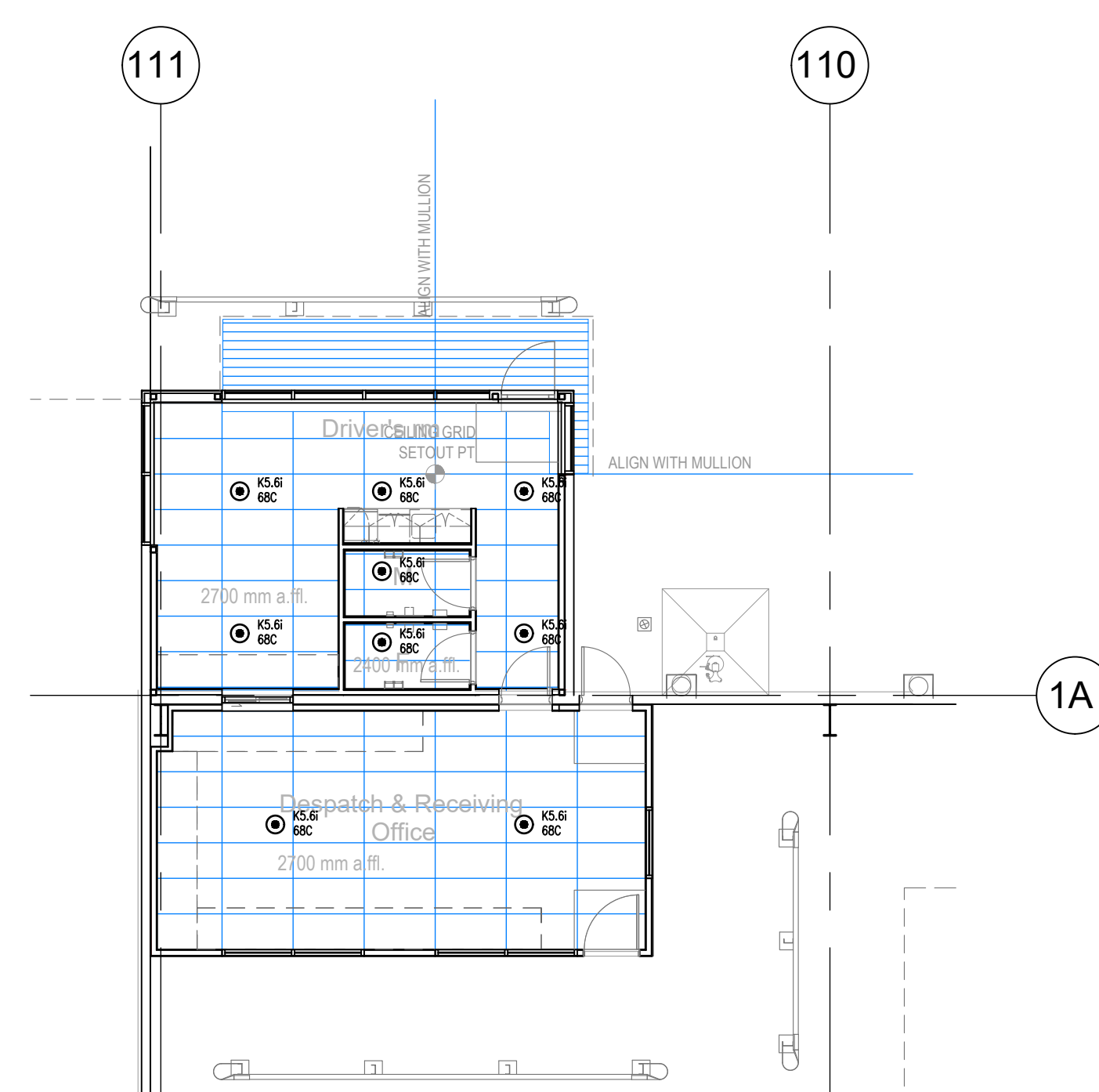
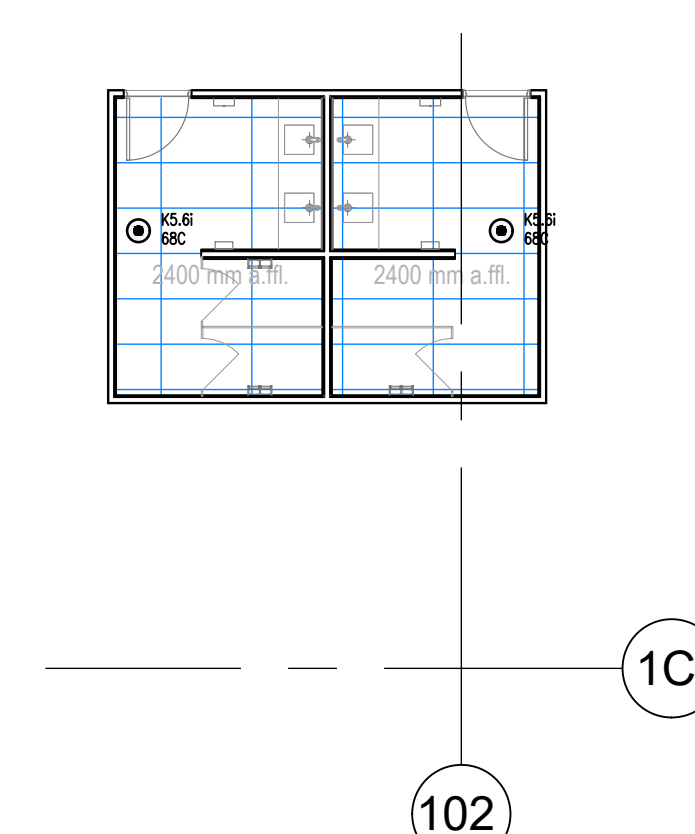
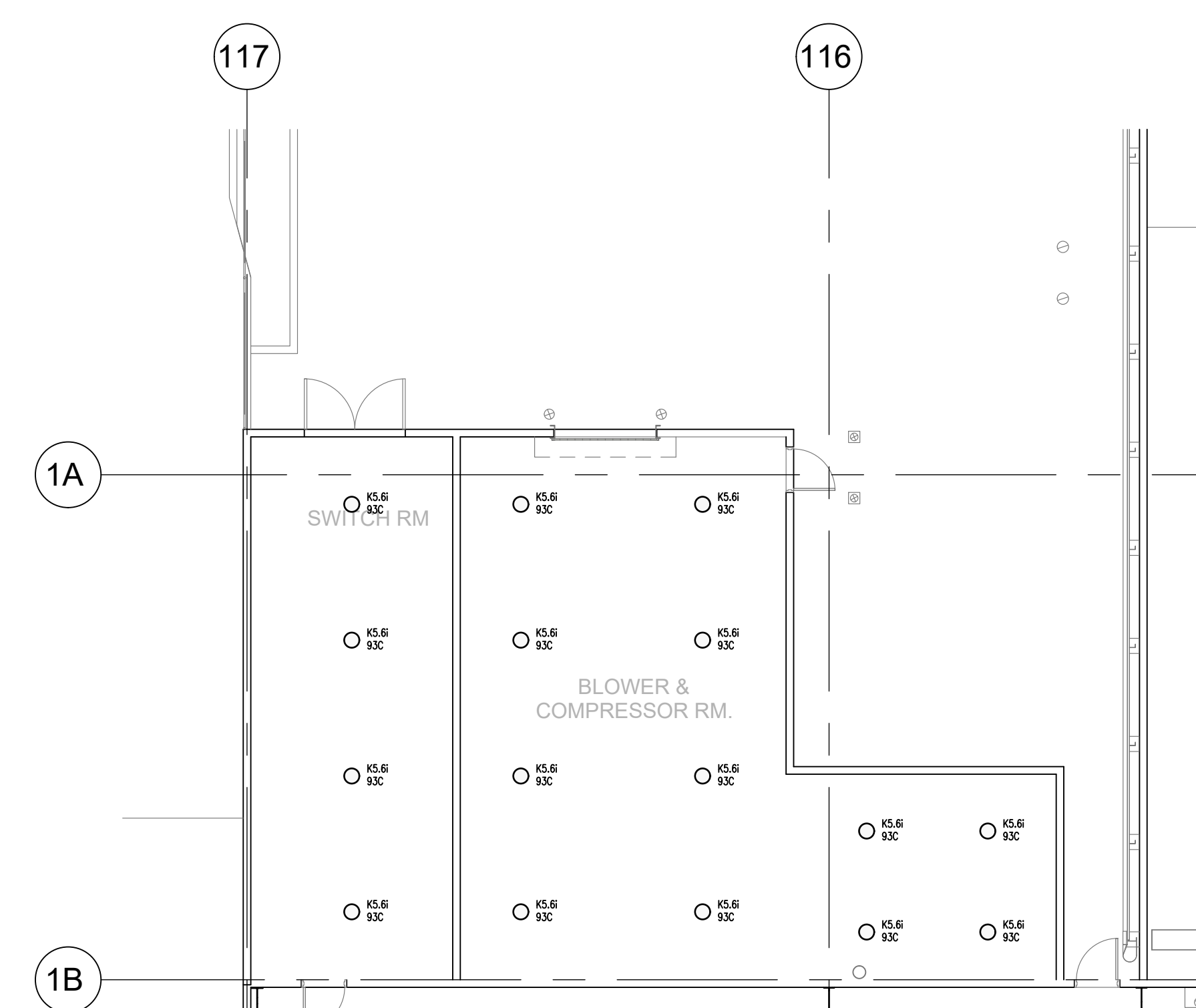
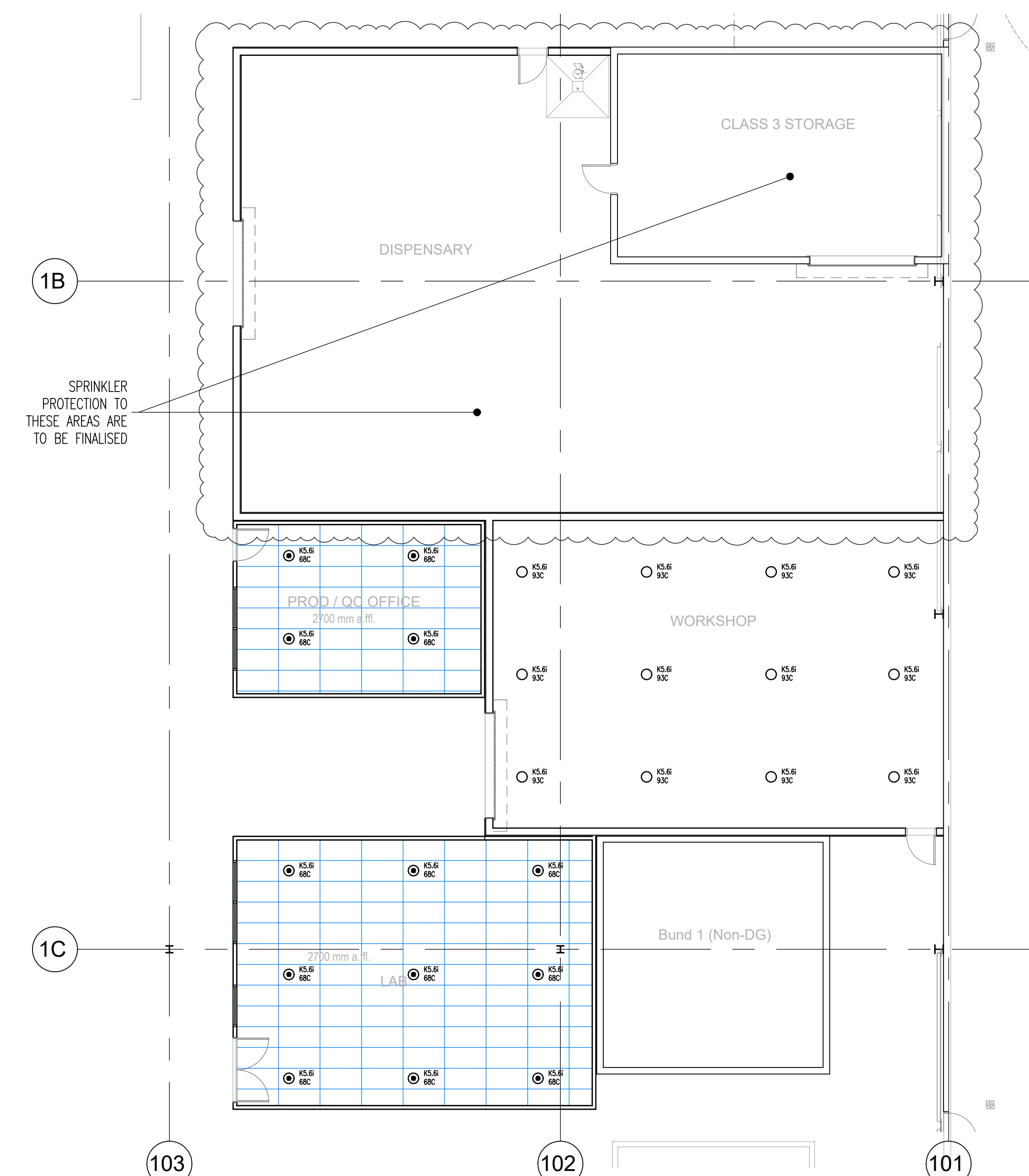
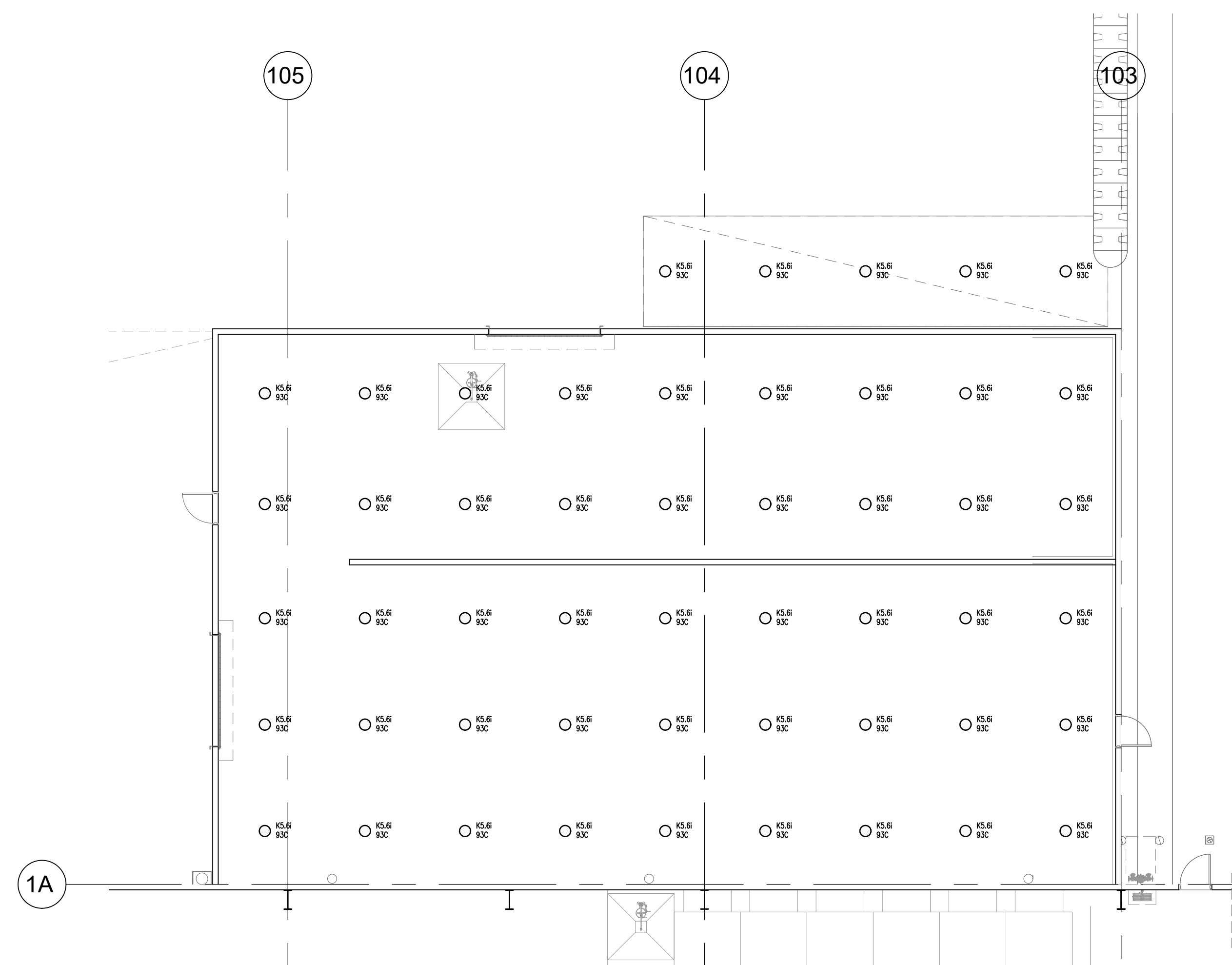
USE ROOF	
109-101 &	S.O.

100-1012	CHECKED	FS-FP-32486-FS110-02
E-1H	SAFE	

ATOMIC FIRE	SCALE	

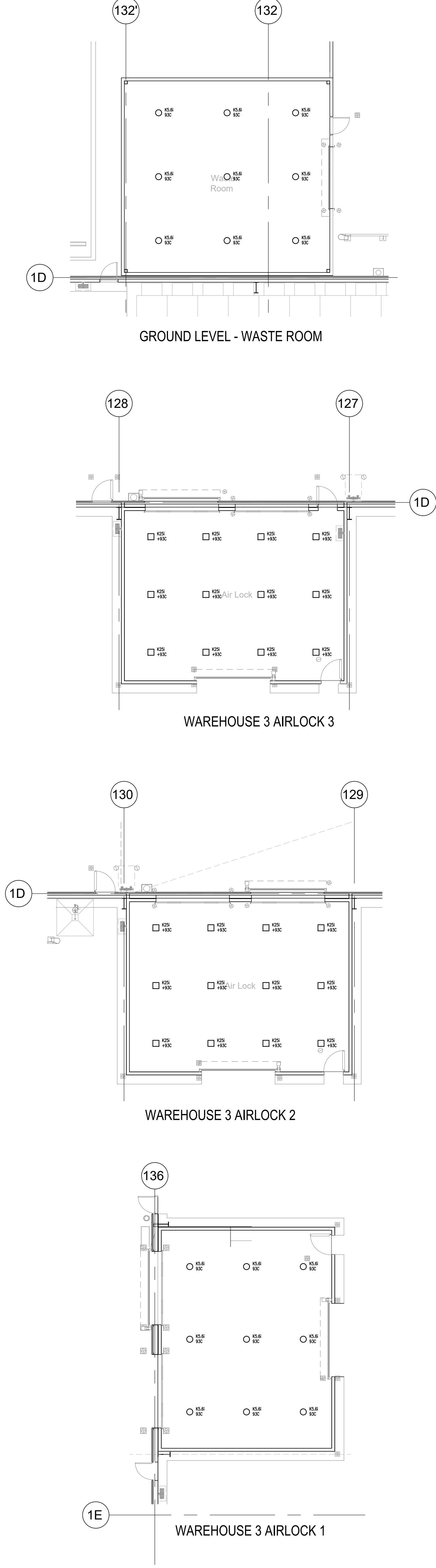
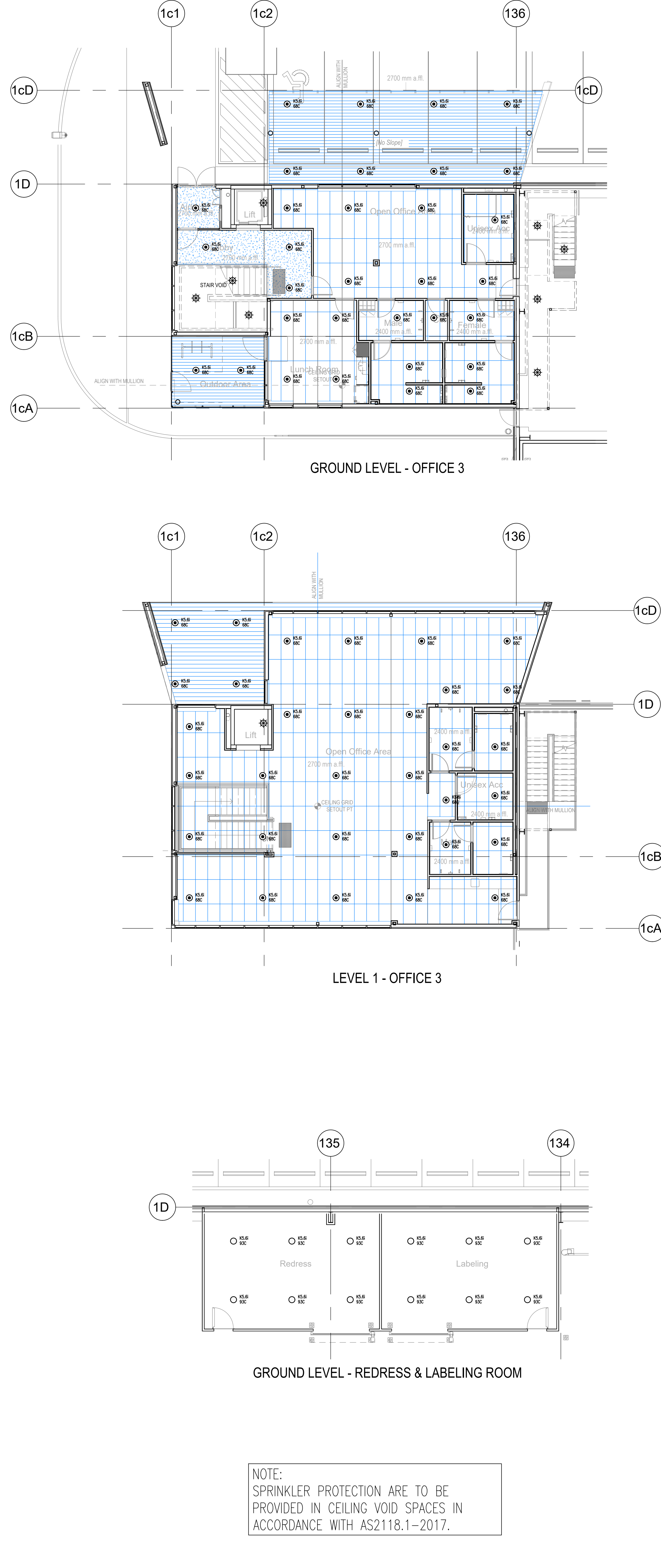
1:100	Rev.	02
AD		

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NOTE:
SPRINKLER PROTECTION ARE TO BE
PROVIDED IN CEILING VOID SPACES IN
ACCORDANCE WITH AS2118.1-2017.

[illegible]



NOTE:
SPRINKLER PROTECTION ARE TO BE
PROVIDED IN CEILING VOID SPACES IN
ACCORDANCE WITH AS2118.1-2017.

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DATE	REV	DESCRIPTION	INITIAL
17/08/2021	A	ISSUED FOR INFORMATION	S.A.F.

NOTES

- 1) SPRINKLER SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH AS2118.1-2017 AND FM DATA SHEETS.
- 2) HIGH HAZARD TO WAREHOUSE ROOF INCORPORATING K25 ESFR SPRINKLERS, 15 SPRINKLERS OPERATING @ 30MPa.
- 3) SPRINKLERS OPERATING @ 30MPa.
- 4) ORDINARY HAZARD 1 TO WAREHOUSE AREAS INCORPORATING FAST RESPONSE SPRINKLERS, 18 OPERATING AT 60 MPa.
- 5) ORDINARY HAZARD 2 TO UNDERCROFT AREAS INCORPORATING FAST RESPONSE SPRINKLERS, 18 OPERATING AT 60 MPa.
- 6) LIGHT HAZARD TO OFFICE AND WAREHOUSE AREAS INCORPORATING FAST RESPONSE SPRINKLERS, 6 SPRINKLERS OPERATING AT 10 MPa.
- 7) ALL EXPOSED PIPEWORK TO BE FINISH RANTERED RED GLOSS FINISH.
- 8) DO NOT SCALE DRAWING. USE FIGURED DIMENSIONS.
- 9) FIRE SPRINKLER RANK TO BE GALVANIZED STEEL.
- 10) THE OCCUPANT WARNING SYSTEMS FOR EMERGENCY PURPOSES (OWS) DESIGNED & INSTALLED ACCORDING TO AS 1851 & AS 1851.1-2015.
- 11) LOCATE HORN SPEAKERS MINIMUM 600mm FROM ANY SPRINKLER HEAD.
- 12) NCQ DOES NOT REQUIRE SMOKE DETECTION THROUGHOUT THE FACILITY.

LEGEND

SYMBOL	QTY	DESCRIPTION
○	15	Q15 x 68°C BRASS PENDENT FAST RESPONSE SPRINKLER
⊗	15	Q15 x 68°C BRASS PENDENT FAST RESPONSE SPRINKLER ON Q25 DROPPER
⊗	15	Q15 x 68°C CHROME PENDENT FAST RESPONSE SPRINKLER
⊗	15	Q15 x 68°C CHROME PENDENT FAST RESPONSE SPRINKLER
⊗	15	Q15 x 141°C BRASS UPRIGHT FAST RESPONSE SPRINKLER
↑	1	RISE OR DROP IN PIPEWORK
→	1	REDUCTION IN PIPE SIZE

SITE PLAN

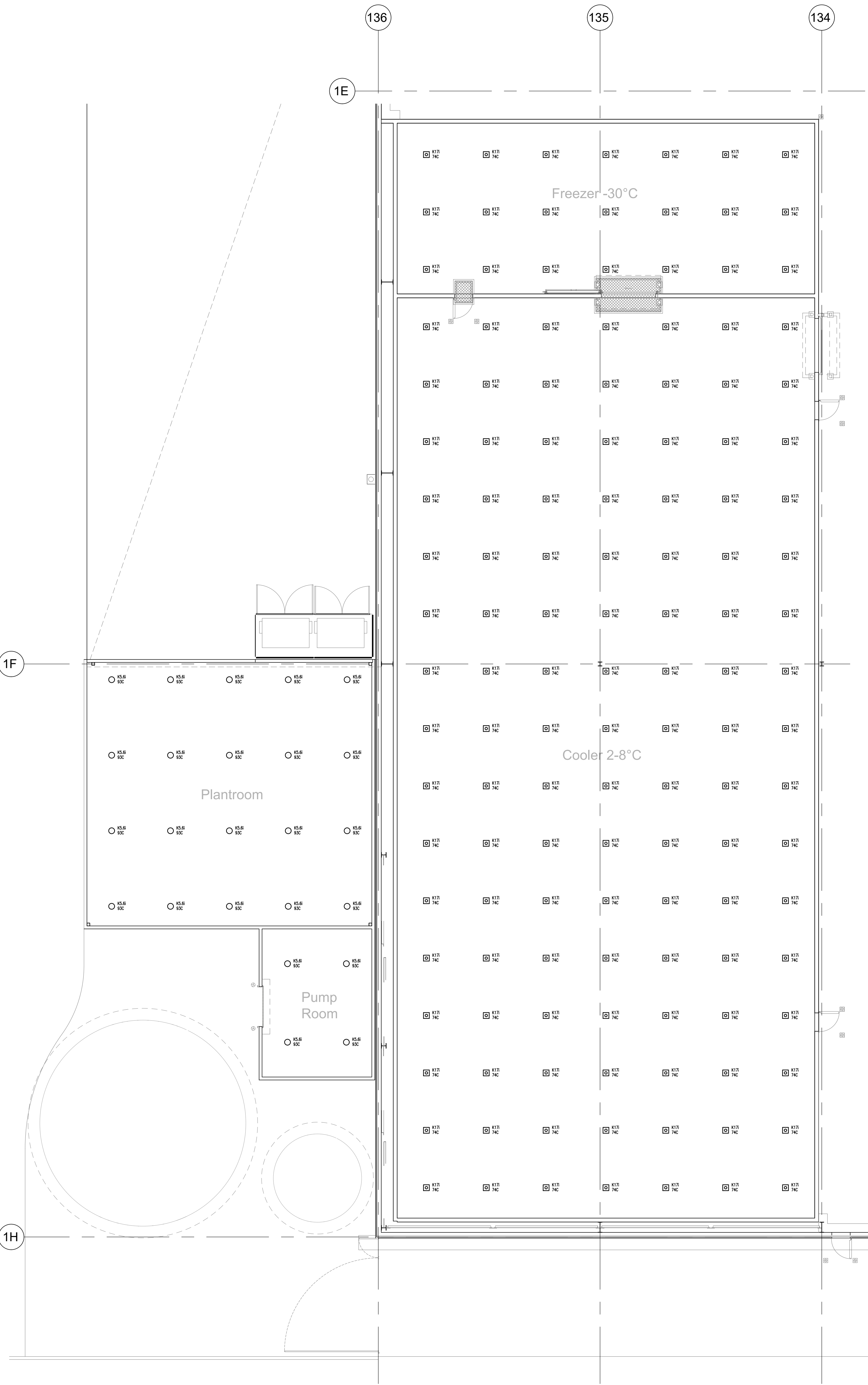
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ABN 62 071 993 292
UNIT 2, 8-10 MARY PARADE
RYDALMERE N.S.W. 2116
Phone: 02 9638 1662
EMAIL: info@flamesafe.com.au

PROJECT	NORTH
LOT 201 ESR HORLSLEY LOGISTIC PARK 327-335 BURLEY ROAD, HORLSLEY PARK NSW	
DRAWING TITLE	DESIGN DATE JOB No. C.B.B. APR 2021 32486
C.B.B.	DRAWING NUMBER
C.B.B.	CHECKED
S.A.F.	FS-FP-32486-FS202-01
1:100	SCALE
AO	Rev. 01



GROUND LEVEL - FREEZER & COOLROOM

NOTE:
SPRINKLER PROTECTION ARE TO BE
PROVIDED IN CEILING VOID SPACES IN
ACCORDANCE WITH AS2118.1-2017.

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DATE	REV	DESCRIPTION	INITIAL
17/08/2021	A	ISSUED FOR INFORMATION	S.A.F.

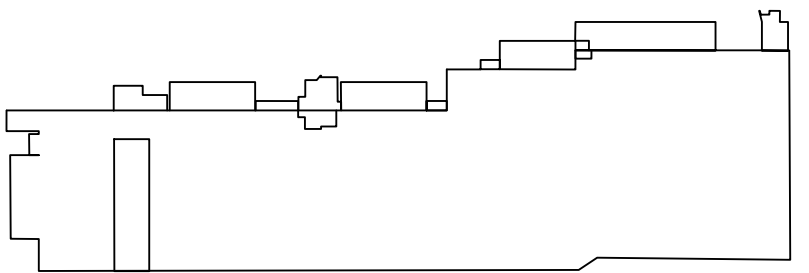
NOTES

- 1) SPRINKLER SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH AS2118 1-2017 AND FM DATA SHEETS.
HIGH HAZARD TO WAREHOUSE ROOF INCORPORATING K25 ESFR SPRINKLERS, 15 SPRINKLERS OPERATING @ 350kPa.
ORDINARY HAZARD 1 TO WINING AREAS INCORPORATING FAST RESPONSE SPRINKLERS, 18 OPERATING AT 60 l/min.
ORDINARY HAZARD 2 TO UNDERCROFT AREAS INCORPORATING FAST RESPONSE SPRINKLERS, 12 OPERATING AT 60 l/min.
LIGHT HAZARD TO OFFICE AND WAREHOUSES INCORPORATING FAST RESPONSE SPRINKLERS, 6 SPRINKLERS OPERATING AT 70 kPa.
2) ALL EXPOSED PIPEWORK TO BE FINISH PAINTED RED GLOSS ENAMEL.
3) DO NOT SCALE DRAWING. USE FIGURED DIMENSIONS.
4) FIRE SPRINKLER RANK TO BE GALVANISED STEEL.
5) THE OCCUPANT WARNING SYSTEMS FOR EMERGENCY PURPOSES (OWS) DESIGNED & INSTALLED ACCORDING TO BS6446:4:2015.
6) LOCATE HORN SPEAKERS MINIMUM 600mm FROM ANY SPRINKLER HEAD.
7) NOC DOES NOT REQUIRE SMOKE DETECTION THROUGHOUT THE FACILITY.

LEGEND

SYMBOL	QTY	DESCRIPTION
○ K25	-	015 x 68°C BRASS PENDENT FAST RESPONSE SPRINKLER
□ K15	-	020 x 74°C BRASS DRY PENDENT K15 ESFR SPRINKLERS ON 800 DROPPER
⊙ K25	-	015 x 68°C CHROME PENDENT FAST RESPONSE SPRINKLER
● K25	-	015 x 68°C BRASS PENDENT FAST RESPONSE SPRINKLER
⊖ K15	-	015 x 141°C BRASS UPRIGHT FAST RESPONSE SPRINKLER
↗	-	RISE OR DROP IN PIPEWORK
→	-	REDUCTION IN PIPE SIZE

SITE PLAN



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ABN 62 071 993 292
UNIT 2, 8-10 MARY PARADE Phone: 02 9638 1662
RYDALMERE N.S.W. 2116 EMAIL: info@flamesafe.com.au

PROJECT	NORTH
LOT 201 ESR HORLSLEY LOGISTIC PARK 327-335 BURLEY ROAD, HORSLEY PARK NSW	
DRAWING TITLE	DATE JOB No.
DESIGN C.B.B.	APR 2021 32486
DRAWN C.B.B.	DRAWING NUMBER
CHECKED S.A.F.	FS-FP-32486-FS203-01
SCALE 1:100	Rev. 01
AD	