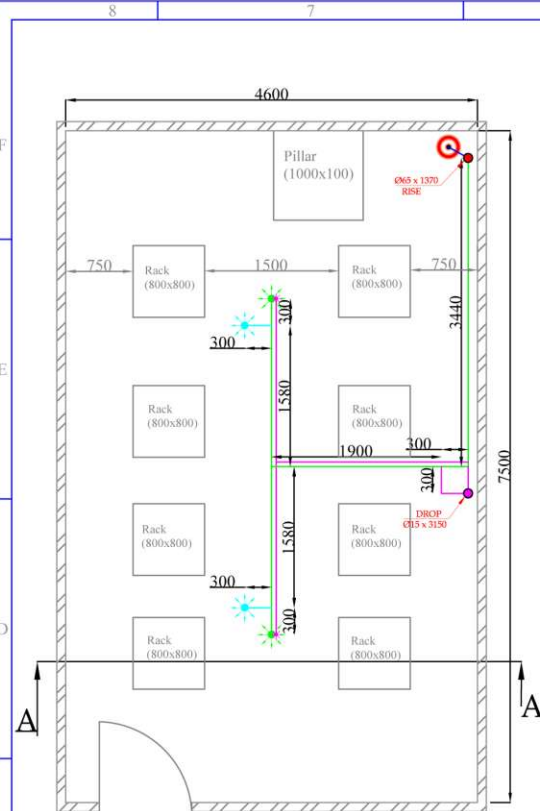
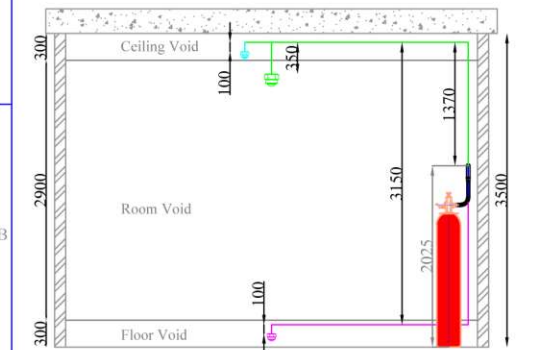




Plain view of Server Room



Section View @A-A

NOTE:

1. All dimensions are in mm, unless otherwise specified.
2. All pipes are of seamless conforming to ASTM-A106-GR.B (Schd. - 40)
3. All fittings are of seamless conforming to ASTM - A106-GR.B (Schd. - 160/40)
4. All fittings are of maleable iron fitting
5. Implication on air conditioning system:
a) The Room, ceiling & Floor void of the protected hazards must be isolated from the other areas in all respects.
b) All air conditioning ducts from & to the hazards shall be provided with motorized dampers, which shall be closed in case of a fire.
c) The AHU's shall be tripped in case of a fire.
6. This drawing is property of TOPAZ FIRE SYSTEMS Pvt. Ltd. Unauthorized use is not permitted.

CONTROL COPY SEAL:

REV. NO.	DATE	REVISION	DRN. BY.	CKD. BY.	APPD. BY.
4	-	-	-	-	-
3	-	-	-	-	-
2	-	-	-	-	-
1	-	-	-	-	-
0	08-06-2016	-	BMM	VASI	LAK

LEGEND

SL.NO.	SYMBOL	DESCRIPTION
1.		Pipe Nodes
2.		Nozzle Number

LIST OF TEES

SL NO.	SIZE OF PIPE (inch)	QTY (NOS)
1	2 1/2"	1
2	2"	1
3	1 1/2"	2
4	1/2"	1

LIST OF ELBOWS

SL NO.	SIZE OF PIPE (inch)	QTY (NOS)
1	2 1/2"	2
2	1"	2
3	1 1/4"	2
4	1/2"	6

CYLINDER DETAILS

SL NO.	CAPACITY (Litres)	DIA. (MM)	HEIGHT (MM)	WT. Apx. (Kgs.)
1	80	267	2025	100

BILL OF MATERIALS

SL.NO.	SYMBOL	DESCRIPTION	QTY. (Nos)
1.		Room, Ceiling & Floor Voids	06
2.		80.0 Ltrs. Seamless Cylinder	01
3.		Piping (Room, Ceiling & Floor Voids)	Lot

PIPE & PIPE SUPPORT DETAILS

SL NO.	SIZE OF PIPE (MM)	SIZE OF PIPE (inch)	LENTH (MM)	SPACING OF SUPPORTS (Mtrs)
1	65	2 1/2"	5100	3.5
2	50	2"	1900	3.4
3	40	1 1/2"	3200	2.7
4	25	1"	800	2.1
5	32	1 1/4"	1200	2.4
6	15	1/2"	10200	1.5

NOZZLE TABLE FOR SERVER ROOM

SL NO.	NOZZLE NO.	NOZZLE SIZE	ORIFICE DIA (MM)
1	24001	1"	1.9
2	24002	1"	1.9
3	14001	1 1/4 "	6
4	14002	1 1/4 "	6
5	24003	1/2 "	2.1
6	24004	1/2 "	2

DESIGN SHEET TABLE

SL. NO.	HAZARD	AREA IN SQ M.	HEIGHT IN M.	VOLUME IN M3	NO. OF NOZZLES	GAS QTY Kgs.	CYL. CAP IN LTRS.	CYL. QTY.	FILL DENSITY Kg/Ltr.
1	SERVER ROOM	34.5	0.3 2.9 0.3 10.4	100.1 10.4 120.9	2 2 2 6	66.17 67	80.00	1.00	0.84

PROJECT:



3rd Floor, Tamarai Tech Park - guindy, Chennai - 600 032.

FM 200 GAS SUPPRESSION SYSTEM FOR SERVER ROOM

NAME	SIGN.	DATE	SCALE	REV.
DRAWN BY	BMM	08-06-2016	1:60	0
CHECKED BY	VASI	08-06-2016		
APPROVED BY	LAK	08-06-2016		
DRAWING NO	TFS/7701/FM-200 Re-Filling/Vinwares/16-17			

Design and Execution by :-



Regd Office :
40/54, Kasi Estate 4th St,
Ashok Nagar, Chennai - 600 083.

Mobile : +91-97890 62717
Phone : +91-44-2471 0257
E-mail : johnson@vinwares.com
vinwares@gmail.com
Web : www.vinwares.com