

DESIGN TABLE

SL. NO.	HAZARD	DIMENSION (Area x H) Mtr.	VOLUME (M³)	CLEAN AGENT	DESIGN CONCENTRATION %	BASIC AGENT REQUIRED (Kg)	AGENT PROVIDED (Kg)	NO. OF CYLINDERS	WATER CAPACITY OF CYLINDERS (Litres)	FILL DENSITY (Kg/Ltr.)
1.	RRI, Kurla	15.80 X 5.70 X 3.30	297	NOVEC	4.5	195	262	2	140.0	0.94

BILL OF MATERIALS

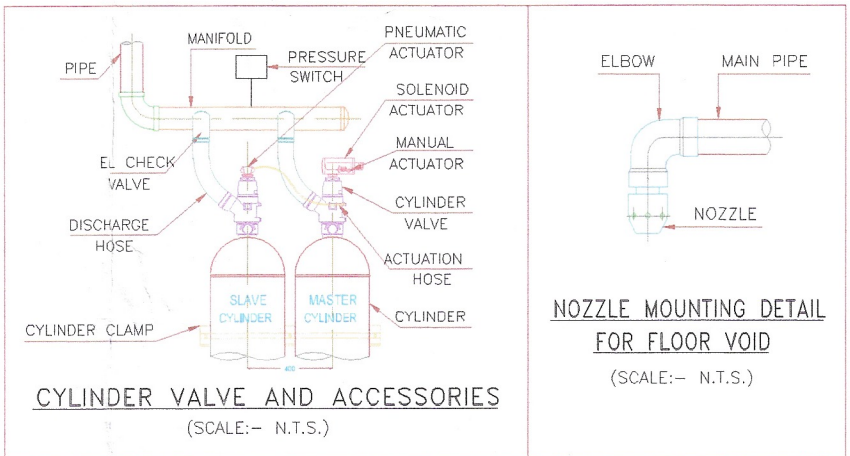
SL.NO.	SYMBOL	DESCRIPTION	QTY.(Nos)
1.		Nozzle (360° & 180°) (Room & Ceiling void)	03
2.		Seamless Cylinder 140.0 & 120.0 Litres	02
3.		Piping (Room & Ceiling void)	Lot

NOTES:

- All dimensions are in mm, unless otherwise specified.
- All pipes are of seamless configuration M-A106-GR.B (Sched. - 40)
- All fittings are of forged steel.
- Implication on air conditioning system:
 - The Room, Ceiling & floor void of protected hazards must be isolated from the other areas in all respects.
 - All air conditioning ducts from the hazards shall be provided with motorized dampers, which shall be closed in case of a fire.
 - The AHU's shall be tripped in case of a fire.
- Nozzle Coverage - 7.7 & 12.1 Mtr. Radius

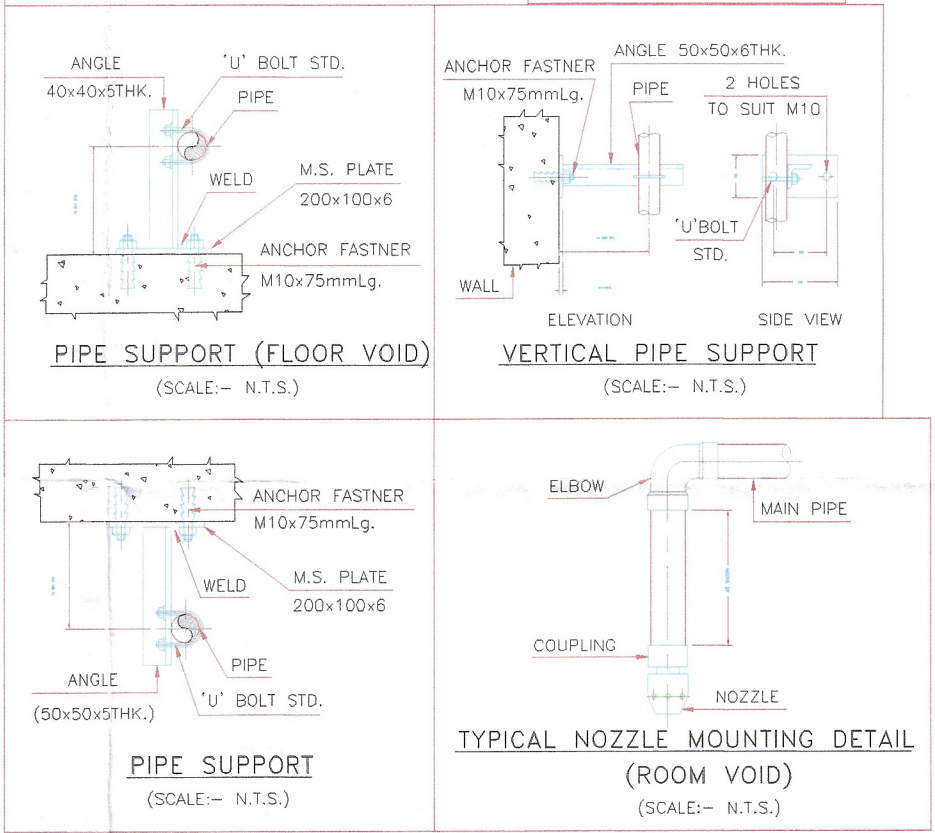
NOZZLE DETAILS FOR RRI,, KURLA

SL.NO.	NOZZLE NO.	NOZZLE DIA. (mm)	ORFICE DIA. (mm)
1.	E1-N1 (360°)	Ø40	9.92
2.	E1-N2 (360°)	Ø40	9.92
3.	E1-N3 (360°)	Ø40	9.92



SPACING OF PIPE SUPPORTS

SL.NO.	SIZE OF PIPE (mm)	SPACING OF SUPPORTS (Mtrs)
1.	Ø100	4.5
2.	Ø80	4.0
3.	Ø65	3.5
4.	Ø50	3.0
5..	Ø40	2.7
6.	Ø32	2.4
7.	Ø25	2.1
8.	Ø20	1.8
9.	Ø15	1.5



RRI ROOM, Kurla

RRI ROOM, Kurla

SECTION VIEW

ISOMETRIC VIEW OF NOVEC PIPING FOR RRI, KURLA N.T.S.

2 x 140.0 Litres Cylinder filled with 131.00 Kgs. of Novec 1230 in each.

मंडल संकेत एवं दू.सं. इंजीनियर (दक्षिण)
DIVL. SIG & TELE ENG. (SOUTH)
छ. सि. म. द. मुंबई, मुंबई मंडल, मध्य रेल
C.S.M.T. MUMBAI, MUMBAI DIVN. C. RLY.

Note: Gas Cylinder location should be change we are suggested to you put your cylinders in 1st floor main IPS room because of obstruct relay room entrance. Also gas cylinder protected by M.S. grill work for the safety purpose.

SENIOR SECTION ENGINEER
C. RLY. KURLA

