

3 SECOND FLOOR PLAN

1 : 50

PIPE SUPPORT DETAILS

PIPE SIZE	DISTANCE BETWEEN HANGERS	STUD ROD SIZES
25 MMØ	2.1 M.	8 MM.
32 MMØ	2.5 M.	8 MM.
40 MMØ	3 M.	8 MM.
50 MMØ	3 M.	8 MM.
65 MMØ	3.6 M.	10 MM.
80 MMØ	3.6 M.	10 MM.

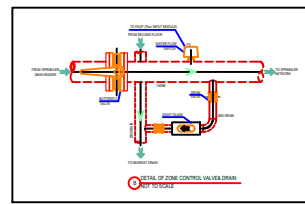
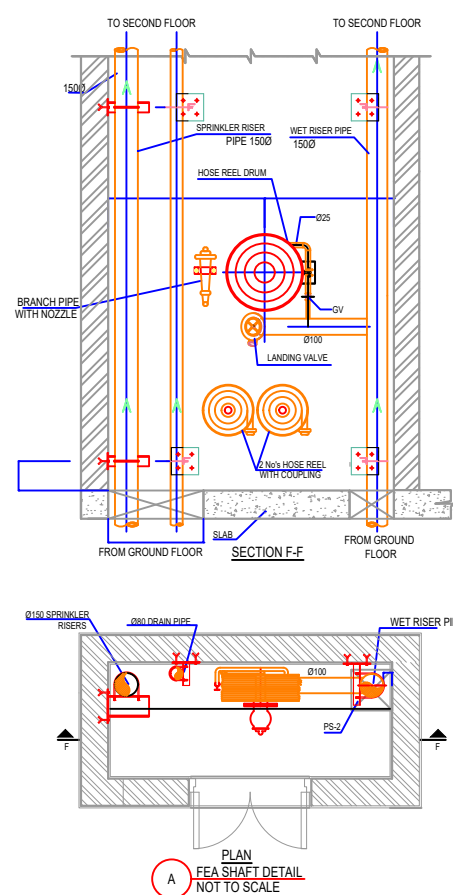


Table 27.5.3.7 Number of Sprinklers Above and Below a Ceiling

	Steel
25 mm	2 SPRINKLERS
32 mm	4 SPRINKLERS
40 mm	7 SPRINKLERS
50 mm	15 SPRINKLERS
65 mm	30 SPRINKLERS
80 mm	60 SPRINKLERS
100 mm	100 SPRINKLERS
150 mm	ABOVE 100 SPRINKLERS

NOTES:

01. ALL DIMENSIO S ARE IN MM UNLESS OTHERWISE MENTIONED.
02. THIS DRAWING TO BE READ IN CONJUNCTOIN WITH RELEVANT ARHITECTURAL, STRUCTURAL AND OTHER SERVICES DRAWING.
03. MINOR MODIFICATIONS SHALL BE CARRIED OUT AS PER SITE CONDITION.
04. LOCATION & OPERATION OF VALVES SHALL BE KEPT AS PER SITE CONDITION AND OPERATION CONVICIENCE.
05. PIPE MATERIAL SHALL BE HEAVY GRADE MS.
06. HYDRANT/LANDING VALVE SHALL BE MAXIMUM 1200MM FROM FFL.
07. FOR EACH WET RISER COME DOWN COMER PROVIDED AIR CUSHION TANK AT TERRACE LEVEL.
08. ONE NO.OF PRESSURE GAUGE TO BE PROVIDED IN EACH INTERNAL HYDRANT RISER PER FLOOR.
09. AT TERRACE/REMOTE LEVEL HYDRANT,MINIMUM 3.5 KG/SQ.CM. PRESSURE SHALL BE MAINTAINED.
10. MILD STEEL (CLASS-C) PIPES CONFIRMING TO IS:1239/3589 INCLUDING ALL FITTINGS LINK BENDS,ELBOWS,TEES,ANCHOR FASTNER,COUPLINGS ETC.SHALLBE USED IN FIRE FIGHTING SYSTEM.
11. SCREWED JOINTS WITH DI FITTINGS SHALL BE USED UPTO 50 MM DIA & V GROOVE BUTT WELDING JOINTS SHALL BE USED FOR 65 MM & ABOVE PIPES

FPS LEGEND

SYMBOL	DESCRIPTION
	FIRE PIPE
	UPRIGHT SPRINKLER (AFC)
	PENDENT SPRINKLER (BFC)
	SIDE WALL SPRINKLERS
	4.5 Kg CO2 TYPE WALL MOUNTED EXTINGUISHER
	6.0 Kg ABC TYPE WALL MOUNTED EXTINGUISHER
	4KG CLEAN AGENT EXTINGUISHER
	BALL VALVE
	BUTTERFLY VALVE
	SLIGHT GLASS UNIT
	FLOW SWITCH
	PRESSUGE GAUGE
	LANDING HYDRANT
	FIRE HOSE CABINET COMPRISING OF 63 mm DIA, SINGLE HEADED LANDING VALVE, 2 LENGTHS OF 63mm DIA, C.P HOSE REEL 15.0m LONG, 19mm DIA BRANCHPIPE WITH NOZZLE, RUBBER HOSE REEL 40M LONG WITH DRUM.
	10 KG MODULAR TYPE FIRE EXTINGUISHER

TENDER DRAWING

1. THIS DRAWING IS FOR INFORMATION AND REFERENCE AS A GENERAL GUIDANCE ONLY.
2. ALL DEPOT FACILITIES, PLANTS & MACHINERIES, ACCOMMODATION FACILITIES, SYSTEM WIDE REQUIREMENTS ETC SHALL BE VERIFIED FOR MAINTENANCE REQUIREMENT OF ROLLING STOCK AND INFRASTRUCTURE FACILITIES.
3. ALL DIMENSIONS ARE IN METER UNLESS NOTED OTHERWISE AND TO BE READ ONLY NOT MEASURED.
4. ABSOLUTE RAIL LEVEL SHALL BE DERIVED FROM APPROVED ALIGNMENT DRAWINGS.
5. STRUCTURE SYSTEM SHOWN IS INDICATIVE. ALL STRUCTURE MEMBER SIZES TO BE DETAILED BY DESIGNER AT LATER STAGE.
6. THIS DRAWINGS HAVE BEEN DEVELOPED IN CONFORMITY TO DPR, SDD, BSRP & OTHER CODAL REQUIREMENTS.
7. SYSTEM ROOM SIZES, HEIGHTS, DOOR SIZE, FLOOR HEIGHT AND CUTOUT DIMENSIONS TO BE VERIFIED BY RELEVANT DISCIPLINES OF ENGINEERING.
8. SHIFTS FOR ELECTRICAL, S&T, PLUMBING, DRAINAGE, SEWAGE DISPOSAL, RAIN WATER HARVESTING, FIRE AND OTHER SYSTEMS SHALL BE PROVIDED AS PER SYSTEM AND MEP REQUIREMENTS.
9. ALL FINISHES ARE SUBJECT TO K RIDE APPROVAL.
10. SPACE CONSIDERED FOR ELECTRICAL & S&T CABLE TRENCH, DURING THE DETAILED DESIGN STAGE ELECTRICAL & S&T CABLE TRENCH WILL BE PROVIDED BASED ON DESIGN.
11. 1 IN 8.5 TURNOUTS PROVIDED IN THE DEPOT.
12. FM DISTANCE PROVIDED AT 4.25M METERS.

TENDER DRAWING		DESCRIPTION		DESIGNED		CHECKED		REVIEWED		APPROVED	
BARSYL		BALAJI RAILROAD SYSTEMS (P) LIMITED.		SANKARAN RAO		VENKATESH		LINGA PRASAD		GOPAL REDDY	
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BARSYL		BALAJI RAILROAD SYSTEMS (P) LIMITED.		SANKARAN RAO		VENKATESH		LINGA PRASAD		GOPAL REDDY	

PROJECT DIRECTOR		SR ALIGNMENT EXPERT		CHIEF TRACK EXPERT		CHIEF SIGNALING EXPERT		CHIEF TRACTION EXPERT		CHIEF TELECOM EXPERT		SR.ROLLING STOCK ENGINEER	
GENERAL CONSULTANT		K RIDE		GM / PLANNING		GM / CIVIL / DEPOT		GM / ROLLING STOCK		GM / TRACTION		GM / SIGNALLING	
DIRECTOR PROJECT PLANNING		DIRECTOR SYSTEM		DIRECTOR PROJECT PLANNING		DIRECTOR SYSTEM		DIRECTOR PROJECT PLANNING		DIRECTOR SYSTEM		DIRECTOR PROJECT PLANNING	

RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED		PROJECT I.D: 2388		TITLE: TIME OFFICE AND ADMIN BUILDING SECOND FLOOR PLAN FIRE FIGHTING LAYOUT		CONSULTANT: BARSYL BALAJI RAILROAD SYSTEMS (P) LIMITED.		SHEET NO. 1 OF 1		DRG NO KRIDE_BSRP_RS_ADMIN_SDA_FF_03	
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