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BLOOMS ACADEMY EDUCATION

N.H.75, Panna Road, Satna - 485 001 (M.P.)

(UNDER THE BLOOMS ACADEMY EDUCATION SOCIETY (REG.) SATNA (M.P.))

CO-EDUCATIONAL RESIDENTIAL ENGLISH MEDIUM SENIOR SECONDARY SCHOOL
(AFFILIATED TO CBSE, DELHI)

Affi. No. : 1030207

School Code : 50183

Ref. No. : Blooms/2152/Stg

Date : 04.04.24

Dear Sir / Mam

I am writing this note to provide you with an update regarding the safety of the school premises.

This is for your kind information that all necessary process for obtaining a fire safety certificate have been diligently completed by the school on dated 19/03/2024 and submitted to the Directorate of Urban Administration and Development, M.P.

Please find attached herewith the photocopy of Checklist of fire installation proposal and Fire plan.

Thanking you
With kind regards


Mrs Shobha Reddy
Principal
Blooms Academy Satna
(Affiliated to CBSE, Delhi)

**Directorate of Urban Administration and Development, M.P.
Bhopal**

Check List (53 Points) of fire Installation proposal/Plan
(Fire NOC)

1	Name of the Building	BLOOMS ACADEMY
2	Address of the Building	L.S NO. 680/3K/1 & 680/3KH, AMOUDHKALA PANNA ROAD, SATNA (MP)
3	Name and Address of builder/promoter	SHRI SANJAY KUMAR AGARWAL S/O SHRI RAM KRISHNA AGARWAL RESIDENCE IN BLOOMS ACADEMY CAMPUS PANNA ROAD, SATNA (MP)
4	Name and Address of owner/occupiers of Individual Flats.	SHRI SANJAY KUMAR AGARWAL S/O SHRI RAM KRISHNA AGARWAL RESIDENCE IN BLOOMS ACADEMY CAMPUS PANNA ROAD, SATNA (MP)
5	Plot Area a. Title b. Land use (in case of residential building Indicate no. of dwellingunits)	2802 SQ METER CATEGORY B EDUCATIONAL BUILDING
6	Covered area (at grade level)	744 SQ METER
7	Height of the building :	11.50 METER
8	a. Overall height (from gradelevel) b. Approved/Provisional set back areas conformingto building bye-laws are as follows: 1. Front- 2. Back – 3. Left Side – 4. Right Side–	11.50 b) Provisional set back area conforming building bye-laws:- Front- 115.00 FEET Back – 24.00 FEET Left Side – 20.00 FEET Right Side- 10.00 FEET
9	a. Number of basements (Please Indicate level belowgrade in eachcase) b. If basement extends beyond the building line, please indicate the load bearing strength of the roof ofbasement. c. Area ofbasement d. Whether any piazza is proposed? If so, details of the level of piazza and ramps etc. be indicated	NO, BASEMENT AVAILABLE
10	Number of Floors (including ground floor)	03

24	<p>Has fire hose been provided near each hydrant? If so, please indicate</p> <p>a. The type of hoses</p> <p>b. The size (bore) of hoses.</p> <p>c. The length of each hose</p> <p>d. Total number of hoses provided near each hydrant.</p>	NOT REQUIRED AS PER NBC PART 04
25	<p>Have branch pipes been provided? If so, please Indicate</p> <p>a. The type of branchpipes</p> <p>b. Size of nozzle fitted to eachbranch</p>	NOT REQUIRED AS PER NBC PART 04
26	<p>a. If the basement is used for car parking or storage, has it been sprinkled?</p> <p>b. Whether any cubicles proposed in the basement? If so, the area of each cubical be indicated?</p> <p>c. Whether segregation/compartimentation of thebasement has been provided? If so, please indicate</p>	BASEMENT DOES NOT EXIST
27	<p>Is the building equipped with automatic fire detection and alarm system? If so, please indicate:</p> <p>a. The type of detectorsused</p> <p>b. The standard to which the detectorsconfirm</p> <p>c. The code to which the installationconfirms.</p>	AUTOMATIC DETECTION SYSTEM IS NOT REQUIRED IN THE BUILDING AS PER NBC PART4 TABLE 07
28	<p>Have manual call boxes been installed in the building for raising an alarm in the event of an outbreak of fire? If so, please give details</p>	NOT REQUIRED AS PER NBC PART 04
29	<p>Has public address system been provided between the various floors and the fire control room in entrance lobby?</p>	NOT REQUIRED AS PER NBC PART 04
30	<p>Has an intercom system been provided between thevarious floors and the fire control room in entrance of thebuilding?</p>	NOT REQUIRED AS PER NBC PART 04
31	<p>Has a fire control room be provided in the entrance lobby of the building?</p>	NOT PRESENT
32	<p>How many staircases have been provided in the building? Please indicate in each case:</p> <p>a. Width of thestairway</p> <p>b. Width of thetreads</p> <p>c. Height of therigors</p> <p>d. if the treads are of the non-sliptype.</p>	<p>01</p> <p>1500 MM</p> <p>300 MM</p> <p>150 MM</p> <p>YES</p>
33	<p>What is the average occupant load per floor?</p>	4.00 SQ METER/PERSON

11	Occupancy (Use-please mention separately for basement & floors)	GROUND- CLASS ROOMS & OTHER EDUCATIONAL ACTIVITES 1ST & 2ND FLOOR- PLAY ROOMS, DAY CARE & CLASS ROOMS
12	Covered area of typical floor of bldg. Blocks.	GROUND & FIRST FLOOR- 744 SQ METER EACH 2 ND FLOOR- 387 SQ METER
13	Parking areas (please give details)	PARKING PROPOSED IN THE CAMPUS AREA (NO SPECIFIC NUMBER AVAILABLE IN THE SANTIONED MAP)
14	Details of surrounding property features	NORTH- APPROACH ROAD SOUTH- OTHERS LAND WEST- OTHERS LAND EAST- OTHERS LAND
15	Approach to proposed building, width of the road and connecting roads, if any	12.00 METER
16	Please give details of water supply available exclusively for Fire fighting.	OVERHEAD TANK OF CAPACITY 10000 LITERS FOR EACH BLOCK
17	Has wet riser(s) been provided? If so, please indicate the Number of risers and internal diameter of each.	NOT REQUIRED AS PER NBC PART 4 TABLE 07 AS THE BUILDING HEIGHT DOES NOT EXCEED 24 METER
18	Has any down comer been provided? If so, please give details.	NOT REQUIRED AS PER NBC PART 04
19	Please indicate the present arrangement for replenishment of water for fire fighting.	BOREWELL CONNECTION
20	Is a public or other water storage facility available nearby? If so, please give the capacity and distance from your building, also please indicate if it is readily accessible.	-AT APPROXIMATELY 1.5-2 KILOMETER
21	Please give any other information that you can, regarding available of water supply for fire fighting.	NO OTHER DETAILS AVAILABLE
22	Have internal hydrants been provided If so, please indicate no. of hydrants on each floor including basement(s) and terrace.	NOT REQUIRED AS PER NBC PART 04
23	Have first add-hose reels been provided? If so, please indicate: a. No. of hose reels on each floor includingbasement(s) b. Bore and length of hose-reel tubing on eachreel. c. Size (bore) and type of nozzle fitted to each hosereel. d. Is the hose reel connected directly to the riser or tothe hydrantoutlet?	Yes 01 Type : Swinging 180° Wall Mounting Size & length : Inlet 20mm (3/4" BSP Thread Size) and length 30 meter Conforming Specification : IS 884 Yes directly connected to the riser

34	<p>How many lifts have been installed in the building? Please indicate in each case.</p> <p>a. The floors between which the lift runs.</p> <p>b. The type of doors fitted to the lift car and at each landing</p> <p>c. Fire resistance rating of lift car and landing doors, if known.</p> <p>d. Floor area of the lift car.</p> <p>e. Loading capacity of the lift car.</p> <p>f. Has communication system been installed in the lift car?</p> <p>g. Has a Fireman's switch been installed in the lift car for grounding it in the event of fire?</p>	NO LIFTS AVAILABLE
35	<p>Have any stationary fire pump(s) been installed for Pressurizing the wet riser? If so, please indicate</p> <p>a. The number of pumps</p> <p>b. The size of suction and delivery connection of each pump</p> <p>c. The output of each pump.</p> <p>d. The maximum head against which the pump can operate at the output mentioned at (c)</p> <p>e. Is the pump automatic in action?</p>	<p>YES</p> <p>01</p> <p>80 MM & 65 MM</p> <p>450 LPM</p> <p>35 METER</p> <p>YES</p>
36	<p>Has a standby source of power supply been provided? Lift is through a generator, please indicate</p> <p>a. the capacity (output)</p> <p>b. the functions that can be maintained simultaneously by the use of generator, such as operating lift(s) fire pumps emergency lighting etc.</p> <p>c. Is the generator automatic in action or has to be started manually?</p>	<p>YES</p> <p>125 KVA</p> <p>TERRACE BOOSTER PUMP MUST BE CONNECTED WITH THE GENERATOR</p> <p>YES AUTOMATIC IN CASE OF POWER FAILURE</p>
37	<p>Has any yard hydrant been provided from the building's fire pump?</p>	NOT REQUIRED AS PER NBC PART 4
38	<p>Where more than one lifts are installed in a common enclosure have individual lifts been separated by fire resisting walls or 2 hours fire rating?</p>	NOT APPLICABLE
39	<p>Has the lift shaft(s) lift lobby or stairwell been pressurized? If so, give details.</p>	NATURALLY VENTILATED
40	<p>Have the lift lobbies and staircase been effectively enclosed to prevent fire/smoke entering them from outside at any floor?</p>	YES
41	<p>Have all exits and direction of travel to each exit been sign-posted with illuminated signs?</p>	YES PROPOSED
42	<p>Has a false ceiling been provided in any portion of the building? If so, please indicate location and also mention if the material used for the false ceiling is combustible or non-combustible.</p>	YES PROPOSED, ROOMS AND PASSAGE AREA NON COMBUSTIBLE TYPE CALCIUM SILICATE TILES –

43	<p>Is the building centrally air-conditioned? If so, please indicate</p> <p>a. The material used for construction of duct and its fittings.</p> <p>b. The type of tinning used for ducts, if any</p> <p>c. The type of lagging used, if any for insulating any portion of the duct, please also indicate how the lagging is secured.</p> <p>d. If false ceiling is provided, please give information as at 42 above</p> <p>e. If plenum is used a return air passage has it been protected with fire detectors? Please give details.</p> <p>f. Has a separate AHU been provided for each floor?</p> <p>g. Whether automatic shut down of AHU is coupled with detection system?</p> <p>h. Is the ducting for each floor effectively isolated or is it continuous or more than one floors?</p> <p>i. Are the fire dampers being provided?</p>	<p>NO</p> <p>NON COMBUSTIBLE MATERIAL USED FOR FALSE CEILING</p>
44	<p>Where are the switchgear and transformers located? If inside the building, please indicate.</p> <p>a. If the switchgear and transformer(s) have been housed in separate compartments, effectively separated from each other and from other portion of the buildings by a four hours fire resistive wall?</p> <p>b. What precautions have been taken to prevent a possible Fire in the transformer(s) from spreading?</p>	<p>OUTSIDE THE BUILDING.</p> <p>YES</p> <p>FIRE EXTINGUISHERS & SAND BUCKETS</p>
45	<p>I Where electric cables, telephone cables, dry/wet risers/down comers pass through a floor or wall have the spaces (apertures) round the cables/pipes been effectively sealed/plugged with non-combustible, fire resistant material?</p> <p>II Ventilation</p> <p>a. Whether natural ventilation is relied upon? If so give details of the vents for the stairwell, liftshaft.</p> <p>b. Whether mechanic ventilation has been proposed? If so, give details of the proposed system indicating the number of air changes for the basement and other floors.</p> <p>c. Whether mechanical ventilation is coupled with automatic detection system? Please give details of the system.</p>	<p>YES</p> <p>YES</p> <p>YES, AS PER NBC AND MPBVN</p> <p>NO</p> <p>NO</p>
46	<p>Please indicate the number and type of fire extinguishers provided at various indications and the arrangement for the maintenance of the extinguishers.</p>	<p>PROPOSED ABC & CO2 TYPE FIRE EXTINGUISHERS</p> <p>MUST BE INSTALLED WHILE MAINTAINING A DISTANCE OF NOT MORE THAN 72 FEET BETWEEN EACH EXTINGUISHERS</p>
47	<p>Please indicate if all fire extinguishers bear the ISI certification mark.</p>	<p>YES</p>
48	<p>Whether the refuge area has been provided? If so, the floor on which provided and the total area provided floor-wise.</p>	<p>NO, AS THE BUILDING IS LESS THAN 24 METER IN HEIGHT</p>

49	Are the occupants of the building systematically trained in fire prevention, use of fire extinguishers and emergency procedures? If so, please give details.	SECURITY PERSONALS & HOUSEKEEPING STAFF TO BE TRAINED EFFECTIVELY
50	Does an emergency organization exist in the building? If so, please give details and append a copy of the emergency (Fire) orders	WILL BE FORMED
51	Has a qualified Fire Officer been appointed for the building either individually or jointly with other building(s)	NOT REQUIRED APPLICABLE FOR EDUCATIONAL BUILDINGS OF HEIGHT 30 METER OR MORE
52	Has the building been protected against lightening? If so, does the lightening protect confirm to any code? Please indicate details.	YES, AS PER NBC-2016-PART-4 AND AS PER IS-2309-1989
53	The work has not been started on site and construction will be started only after final approval of the Competent Authority the position of construction site is given below:	BUILDING CONSTRUCTED

Owner's Signatures

[Handwritten Signature]



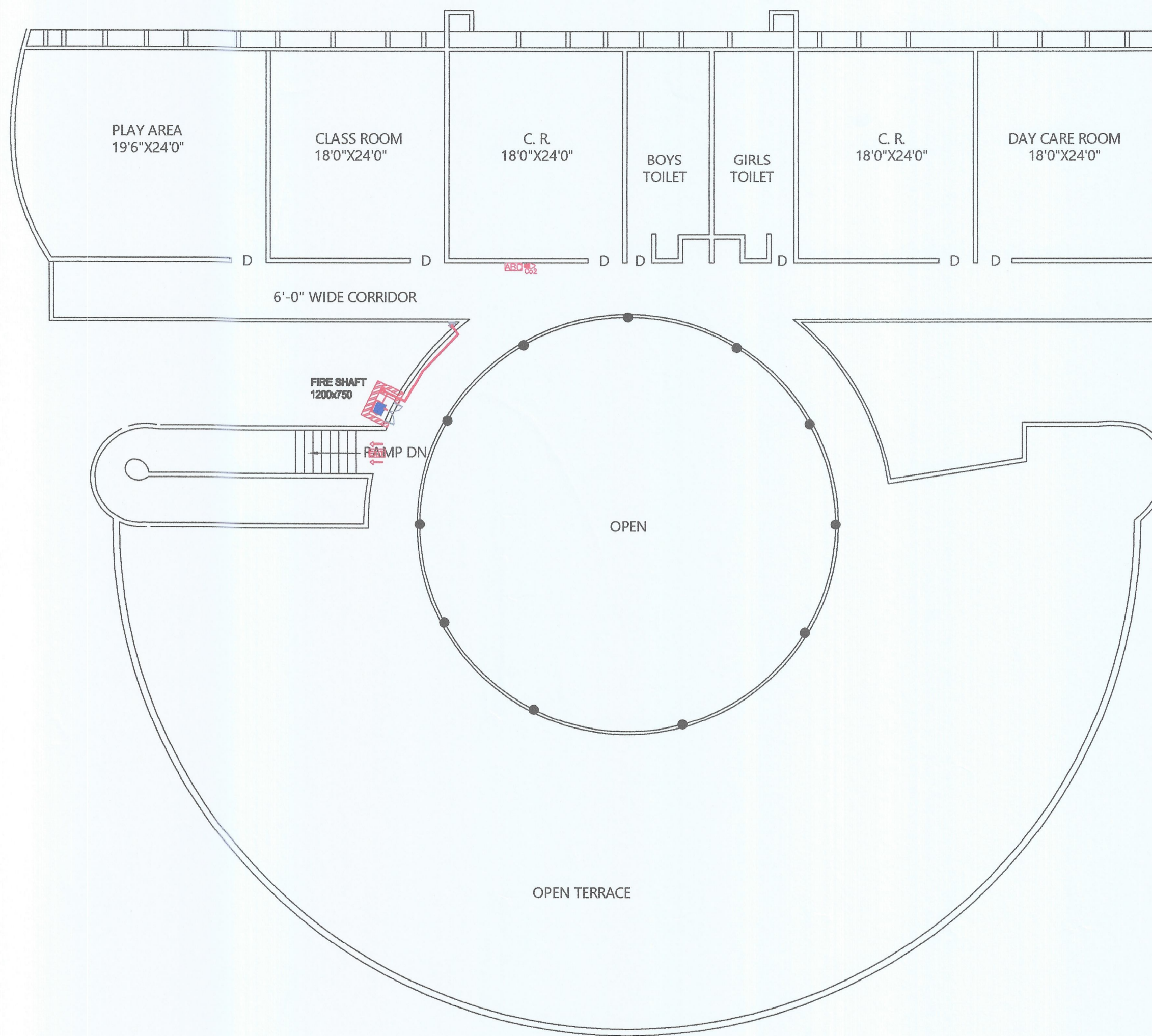
Name
(in block letters)
Date.....
Mobile No.....

Signature of the Applicant/Fire Consultant

[Handwritten Signature]

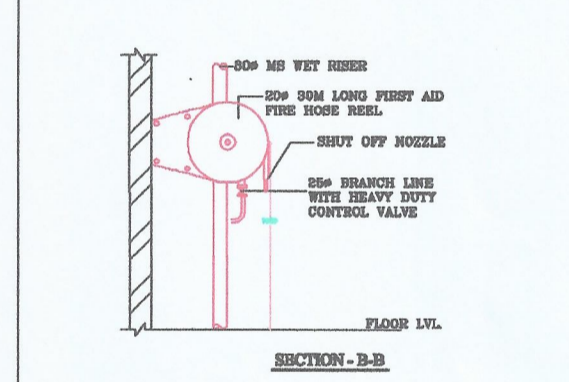
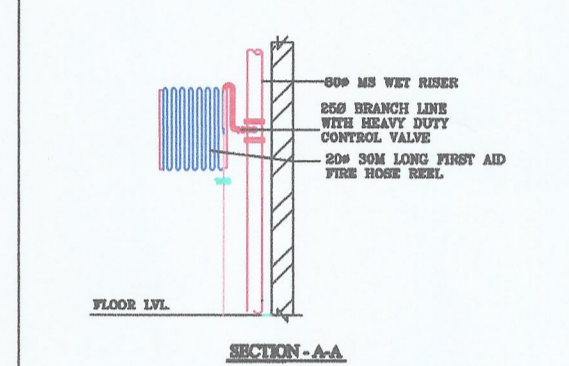
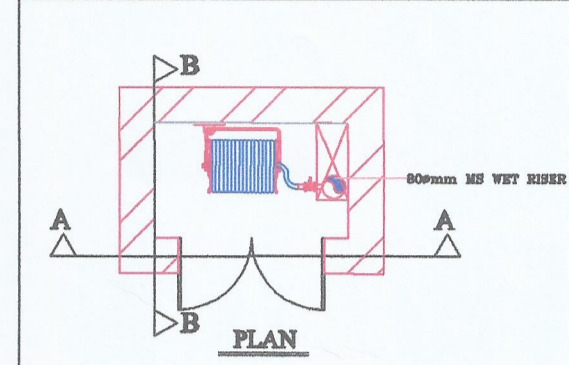
Er. Ishan Kalra
(Reg. Fire Consultant)
Satna Municipal Corporation
No. SMGFC 1
Date.....19.03.2024

Name .
Designation
Organization
Mobile No.....
E-mail ID



SECOND FLOOR PLAN

FIRE LEGEND		
NO.	SYMBOL	DESCRIPTION
01.		FIRE BOX WITH ACCESSORIES
02.		HYDRANT VALVE
03.		HOSE REEL
04.		DCP TYPE FIRE EXTINGUISHER
05.		CO ₂ TYPE FIRE EXTINGUISHER
06.		PRESSURE GAUGE
07.		FLOW SWITCH
08.		FIRE PIPE
09.		FIRE EXIT



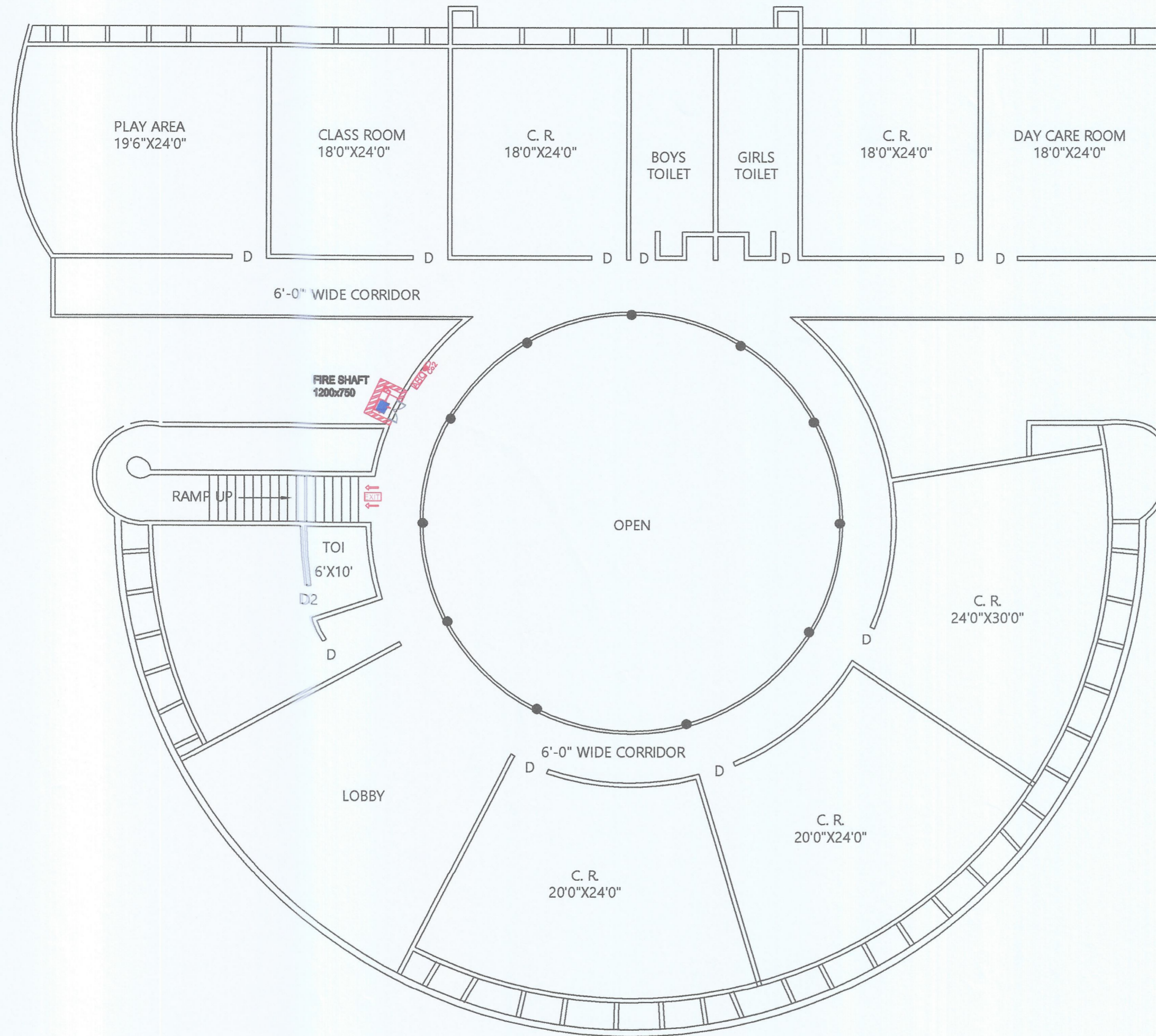
PROJECT :-
PROPOSED FIRE PLAN ON L.S. NO. 680/3K/1 & 680/3 KH AT AMOUDHAKALA, PANNA ROAD SATNA (M.P.)

SIGNATURE OF THE FIRE ENGINEER:

Er. Ishan Kalra
 (Reg. Fire Consultant)
 Satna Municipal Corporation
 No. SMGFC 1
 Date: 12.03.2024

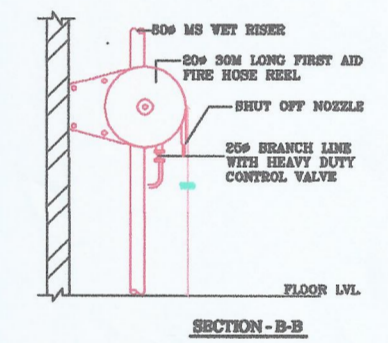
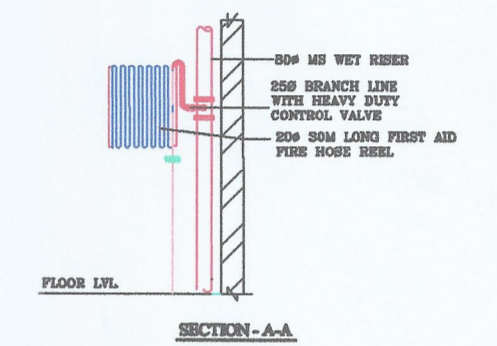
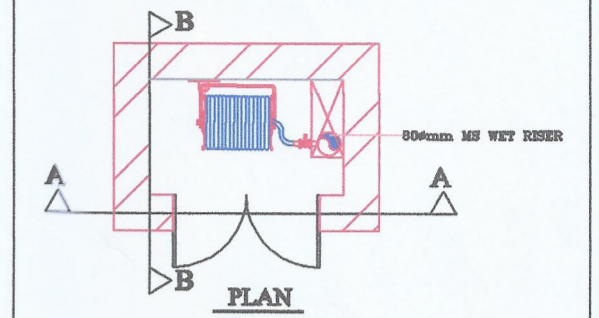
SIGNATURE OF THE OWNERS:

SHEET TITLE:
SECOND FLOOR FIRE LAYOUT



FIRST FLOOR PLAN

FIRE LEGEND		
NO.	SYMBOL	DESCRIPTION
01.		FIRE BOX WITH ACCESSORIES
02.		HYDRANT VALVE
03.		HOSE REEL
04.		DCP TYPE FIRE EXTINGUISHER
05.		CO ₂ TYPE FIRE EXTINGUISHER
06.		PRESSURE GAUGE
07.		FLOW SWITCH
08.		FIRE PIPE
09.		FIRE EXIT



PROJECT :-

PROPOSED FIRE PLAN ON L.S. NO. 680/3K/1 & 680/3 KH AT AMOUDHAKALA, PANNA ROAD SATNA (M.P.)

SIGNATURE OF THE FIRE ENGINEER:

Er. Ishan Kalra
 (Reg. Fire Consultant)
 Satna Municipal Corporation
 No. SMGFC 1
 Date: 13.03.2024

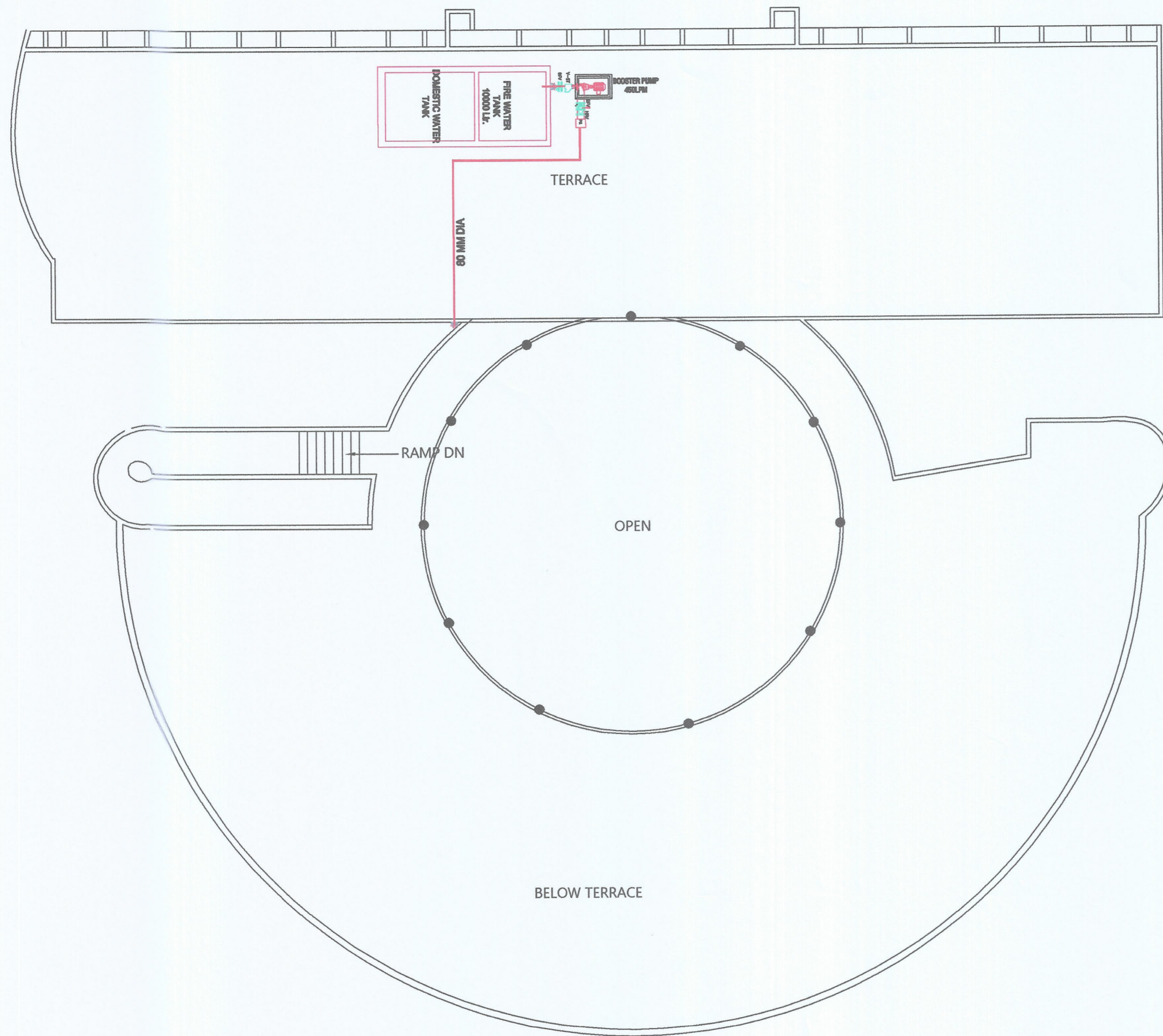
SIGNATURE OF THE OWNERS:



SHEET TITLE:

FIRST FLOOR FIRE LAYOUT

FIRE LEGEND		
NO.	SYMBOL	DESCRIPTION
01.		FIRE HYDRANT PIPE
02.		BUTTERFLY VALVE
03.		Y STRAINER
04.		NON RETURN VALVE



TERRACE FLOOR PLAN

PROJECT :-

**PROPOSED FIRE PLAN ON L.S. NO.
680/3K/1 & 680/3 KH AT AMOUDHAKALA
, PANNA ROAD SATNA (M.P.)**

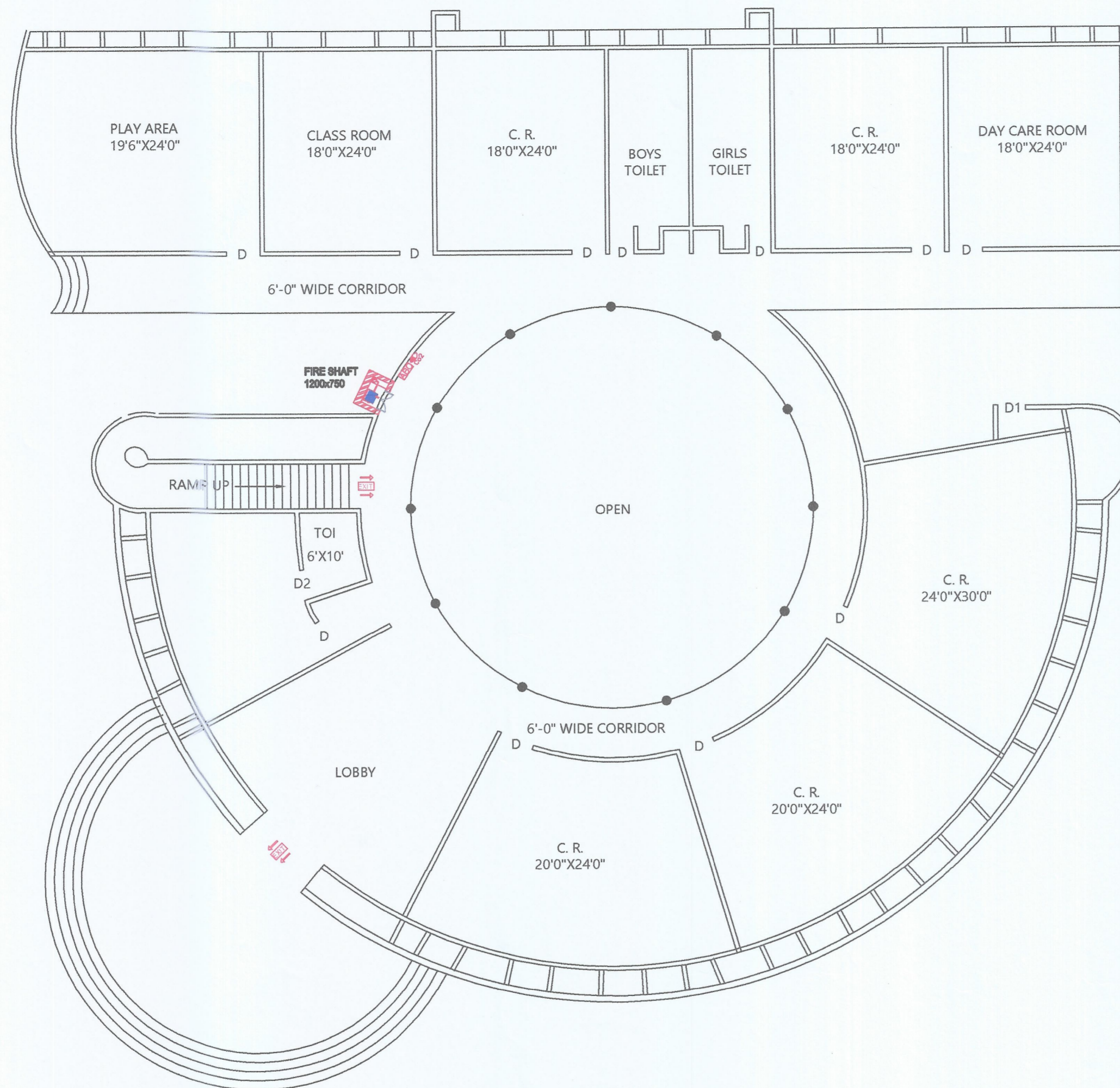
SIGNATURE OF THE
FIRE ENGINEER:

Er. Ishan Kalra
(Reg. Fire Consultant)
Satna Municipal Corporation
No. SMGFC 3
Date.....13.03.2024

SIGNATURE OF
THE OWNERS:

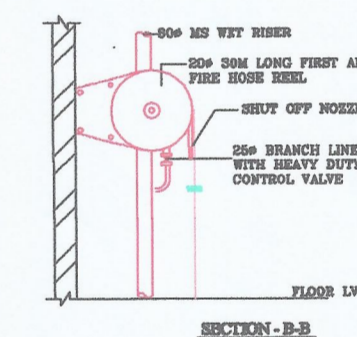
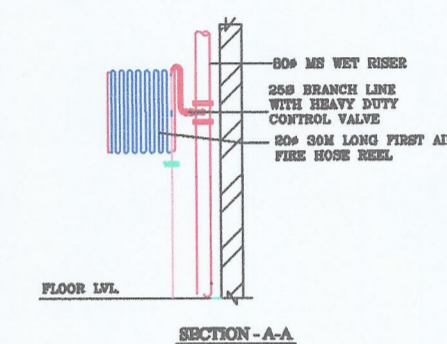
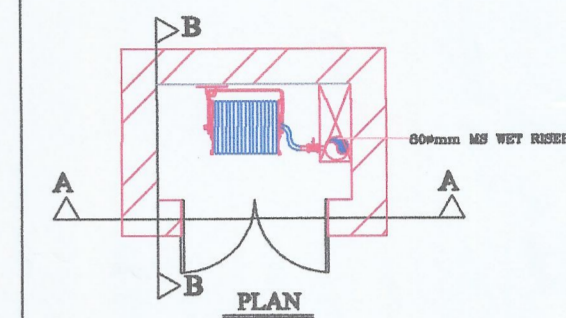
SHEET TITLE:

**TERRACE FLOOR
FIRE LAYOUT**



GROUND FLOOR PLAN

FIRE LEGEND		
NO.	SYMBOL	DESCRIPTION
01.		FIRE BOX WITH ACCESSORIES
02.		HYDRANT VALVE
03.		HOSE REEL
04.		DCP TYPE FIRE EXTINGUISHER
05.		CO ₂ TYPE FIRE EXTINGUISHER
06.		PRESSURE GAUGE
07.		FLOW SWITCH
08.		FIRE PIPE
09.		FIRE EXIT



PROJECT :-

PROPOSED FIRE PLAN ON L.S. NO. 680/3K/1 & 680/3 KH AT AMOUDHAKALA, PANNA ROAD SATNA (M.P.)

SIGNATURE OF THE FIRE ENGINEER:

Er. Ishan Kalra
 (Reg. Fire Consultant)
 Satna Municipal Corporation
 No. SMGFC 1
 Date.....19.03.2024

SIGNATURE OF THE OWNERS:



SHEET TITLE:

GROUND FLOOR FIRE LAYOUT