

LEGEND

SYMBOL	DESCRIPTION
	BUTTERFLY VALVE
	NON-RETURN VALVE
	FIRE HOSE CABINET
	FIRE EXTINGUISHER (200 LPS)
	FIRE BRIGADE INLET
	TERRACE PUMP (200 LPS)



FINAL NOC DRAWING

DISTRICT DEVELOPMENT OFFICE
FOR SCHEDULED CASTES, KANNUR

APPLICANT

PROJECT:
COMPLETED MODEL RESIDENTIAL
SCHOOL PERINGOM, KANNUR

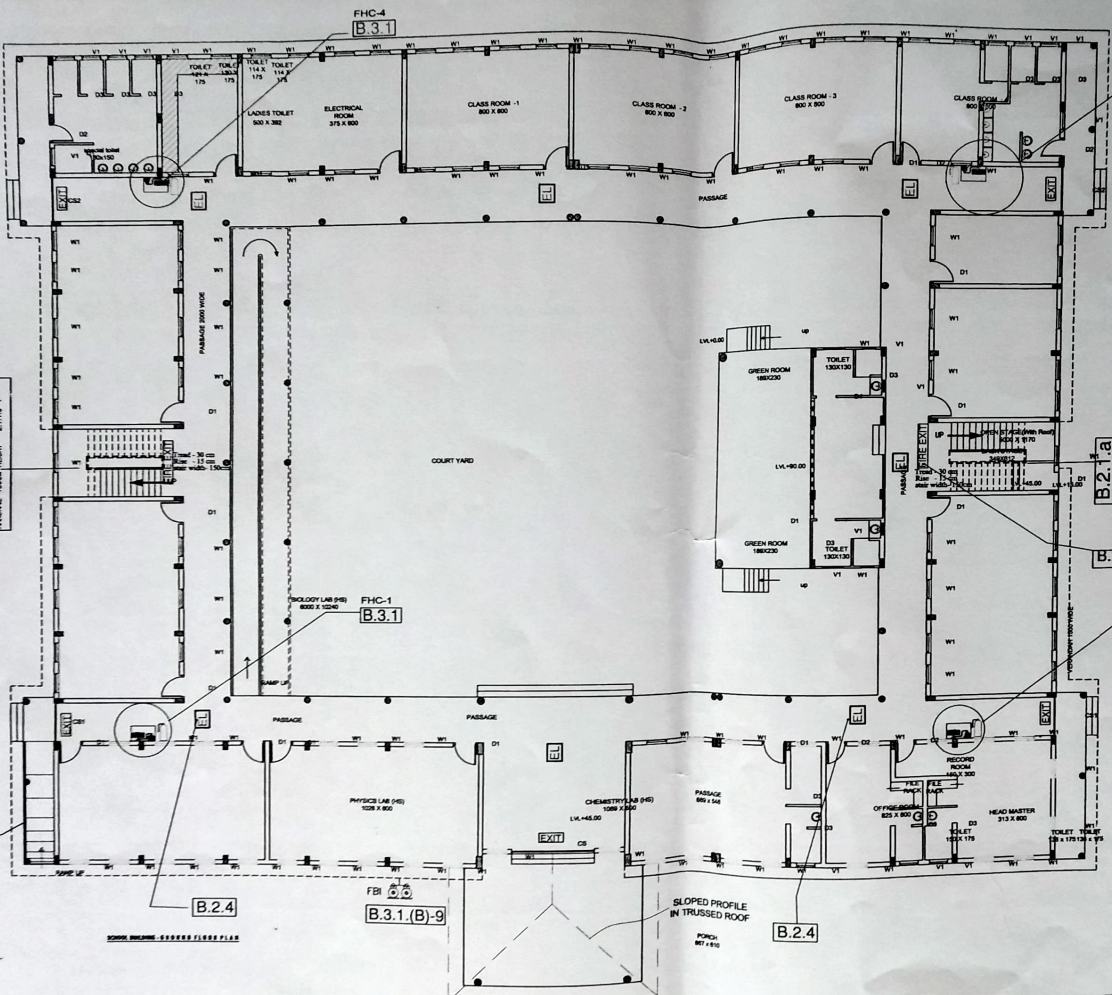
DRAWING TITLE

FIRE PROTECTION SYSTEM LAYOUT
(GROUND FLOOR)

FIRE PROTECTION ENGINEER



DATE	11.05.2020	SCALE	1/8"
DRAWN	ANILIN	DATE	09.05.2020
CHECKED	ANUP TV	REV. NO.	
APPROVED	SUNISH	REV. DATE	



B.2.1.a
MAIN STAIR CASE
WIDTH-1500M - 2.11.0-1
THICK - 300M - 2.11.0-2
HANDRAIL - 1000M HEIGHT - 2.11.0-4

B.2.1.b
MAIN STAIR CASE
WIDTH-1500M - 2.11.0-1
THICK - 300M - 2.11.0-2
HANDRAIL - 1000M HEIGHT - 2.11.0-4

B.3.1.(B)-9

B.2.4
SLOPED PROFILE
IN TRUSSED ROOF
POUCH
MT 510

COMMON BUILDING - GROUND FLOOR PLAN

SYMBOL	DESCRIPTION
—	BUTTERFLY VALVE
↔	NON-RETURN VALVE
FHC	FIRE HOSE CABINET
⊗	FIRE EXTINGUISHER (CO ₂ TYPE)
FBI	FIRE BRIGADE INLET - 3 WAY
⊙	TERRACE PUMP (CAP. 900 LPM)

3. BUILDING DETAILS

3.1 Details of the Proposed Building

A.3.1-1	HEIGHT (IN METERS) AS PER RAMB A/20M	8.25 M
A.3.1-2	TOTAL PLINTH AREA (IN SQ M)	2865 M ²
A.3.1-3	NO. OF FLOORS	6/11
A.3.1-4	TOTAL FLOOR AREA (IN SQ M)	2292 M ²

B. TECHNICAL SECTION

B.1 Site Details - 1.1, 1.2, 1.3

- B.1.1 CLEARANCE FROM ELECTRICAL LINES (HORIZONTAL-30 M, VERTICAL - NO LINE CROSSING)
- B.1.2 NO HIGH VOLTAGE LINE NEARBY
- B.1.3 MINIMUM WIDTH OF ACCESS ROAD - 5 M
- B.1.4 NO BUILDING LAND OF NEARBY INSTALLATION/NEARBY WASTE NEAR BY THE SITE.

B.2.1 Structural Details

- B.2.1-1 TOTAL TWO STAIRCASES ARE PROVIDED IN THE BUILDING.
- B.2.1-2 ONE WASH STAIRCASE IS PROVIDED IN THE BUILDING.
- B.2.1-3 ONE FIRE ESCAPE STAIRCASE IS PROVIDED IN THE BUILDING.
- B.2.1-4 ALL STAIRCASES ARE CONTINUOUS FROM GROUND FLOOR TO THE TERRACE LEVEL.
- B.2.1-5 ALL STAIRCASES ARE CONSTRUCTING OF NON-COMBUSTIBLE MATERIALS.
- B.2.1-6 LAMING, SPACING/STONE OR OTHER FIRE RISK AREA IS NOT PASSING THROUGH TO STAIRCASES.
- B.2.1-7 ELECTRICAL SHUNT/AC DUCTS/CABLES PIPES ETC. IS NOT PASSING THROUGH AND NOT OPENING TO STAIRCASE.
- B.2.1-8 NO CONSTRUCTION OF ANY STAIRCASE AROUND THE LEFT SHWT.
- B.2.1-9 NO STAIRCASE IS CONSTRUCTING WITH HOLLOW COMBUSTIBLE MATERIAL.
- B.2.1-10 NO LEFT OPENING TO STAIRCASE.
- B.2.1-11 FOR CONSTRUCTING STAIRCASE USING NON SLEPPERY MATERIALS.
- B.2.1-12 NO STAIRCASE IS COMPLETELY ENCLOSED TYPE.
- B.2.1-14 FIRE-ESCAPE STAIR IS SEPARATE, REMOVED AND AWAY FROM THE INTERNAL STAIR.
- B.2.1-15 FIRE STAIRCASES ARE DIRECTLY CONNECTED TO THE GROUND AS WELL AS TO THE PUBLIC/COMMON AREAS OF ALL FLOORS.
- B.2.1-16 TWO SIDES OF THE EXTERNAL STAIR CASES HAVE ABUTTING WITH EXTERNAL WALL.
- B.2.1-17 NO SPIRAL STAIRWAY IS PROVIDED IN THE BUILDING AS FIRE ESCAPE STAIRWAY.
- B.2.1-18 NO OF STEPS PER FLIGHT WILL NOT EXCEED 16 Nos AND 15 Nos SHALL BE PROVIDED.

B.2.2 Exit requirements

- B.2.2-1 3 NUMBERS OF EXIT DOOR IN THE BUILDING.
- B.2.2-2 EXITS TOWARDS STAIRCASES SHALL BE ADEQUATELY AND INDIVIDUALLY VENTILATED.
- B.2.2-3 ALL EXIT DOORAGES SHALL BE PROVIDED.
- B.2.2-4 ALL SIGNS POSTED TO GUIDE THE OCCUPANTS SHALL BE ILLUMINATED (DAY) WITH AN ALTERNATE SOURCE OF POWER SUPPLY OR MADE IN GLOWING/FLUORESCENT MATERIALS. WILL BE PROVIDED.
- B.2.2-5 NO SIGNAGE ARE THERE HAVING CAPACITY MORE THAN 45 PERSONS.

B.2.3 Travel Distance

- B.2.3-1 MAXIMUM TRAVEL DISTANCE IN 30 MEETER.

B.3.1. Minimum equipment for firefighting installations

- B.3.1-8 ALL FIRE FIGHTING EQUIPMENT LIKE EXTINGUISHERS DIS 2100L, FIRST AID HOSE REEL (30M/100M) ARE AS PER HIS STANDARDS.

B.3.2, B.3.3, B.3.4

- B.3.2 AUTOMATIC HIGH VELOCITY WATER SPRAY DRAUGHTING SYSTEM NOT PROVIDED IN THE BUILDING.
- B.3.2-1 INDOOR OIL - COOLED TRANSFORMERS NOT PROVIDED IN THE BUILDING.
- B.3.3 FIRED FOG INSTALLATION NOT PROVIDED IN THE BUILDING.
- B.3.4 CARBON DIOXIDE FIRE EXTINGUISHING SYSTEM NOT PROVIDED IN THE BUILDING.
- B.3.4-1 THERE IS NO AREA IN BUILDING WHERE WATER OR FOG CANNOT BE USED.

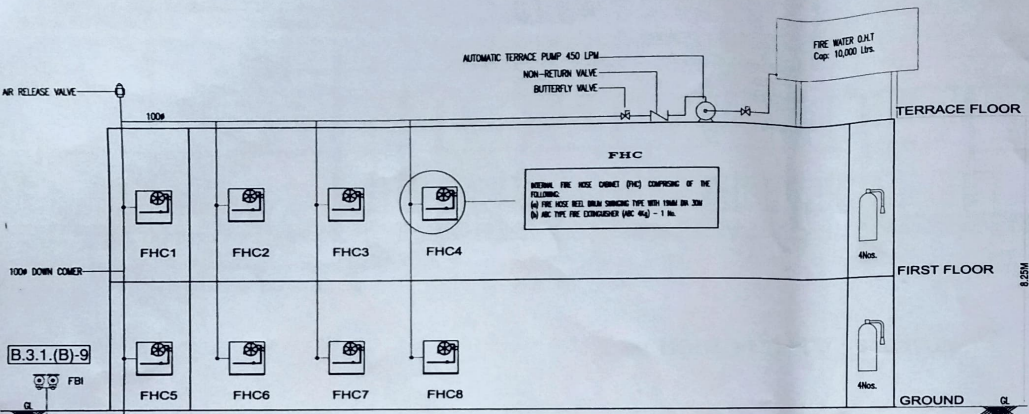
B.3.5 Fire station / cabinet

- B.3.5-1 8 NUMBERS OF FIRE STATION / CABINET PROVIDED.
- B.3.5-2 ALL FIRE STATIONS / CABINETS ARE CLEARLY PROVIDED TYPE WITH LAMINATED SIGNS, HOSE REEL, PIPES.

B.3.6 Marking of equipments

- B.3.6 ALL THE METAL FITTINGS OF DOWN COMER SYSTEM AND ALL THE FIRE EXTINGUISHERS- HOSES ARE MARKING.

B.4 Affidavit / confirmation attached with this application



SCHEMATIC DIAGRAM - FIRE PROTECTION SYSTEM

CHECK LIST NO. E-1

A. GENERAL SECTION

1. APPLICANT DETAILS	
A.1-1	APPLICANT NAME : District Development Officer, Scheduled Caste Department, KANNUR
A.1-2	PERMANENT ADDRESS : District Development Officer, Scheduled Caste Department, Cal. Station, Kannur, KERALA
A.1-3	COMMUNICATION ADDRESS : SAME AS ABOVE
A.1-4	CONTACT NO. (MOBILE) : 9547018184
A.1-5	EMAIL ID : akhankannur@gmail.com
A.1-7	NAME OF THE INSTITUTION : MODEL RESIDENTIAL SCHOOL, KANNUR
2. SITE DETAILS	
A.2-1	RE SURVEY NO. : S1
A.2-2	VILLAGE : PERUMPOLE
A.2-3	TALUK : PERUMPUVAR
A.2-4	DISTRICT : KANNUR
A.2-5	CORPORATION : PERUMPOLE-NEERUKONDA GRAMA PANCHAYATH
A.2-6	HEAVY PERMANENT LAMINATE : NEW CITY COMPOUND

DESIGN DETAILS AS PER NBC

OCCUPANCY OF BUILDING	EDUCATIONAL BUILDING
CATEGORY OF BUILDING	LESS THAN 15M IN HEIGHT
GROUP	B
NO. OF FLOORS	6/11 A.3.1.3
HEIGHT OF BUILDING	8.25 Mtr. A.3.1.1
MINIMUM REQUIREMENTS AS PER TABLE 23 (NBC PART - IV - FIRE & LIFE SAFETY)	
FIRE EXTINGUISHERS	B.3.1-B
HOSE REEL SYSTEM	B.3.1-B
TERRACE TANK OF 10,000 LITRS CAPACITY.	
TERRACE PUMP (ELECTRIC MONOBLOCK) CAP. 600 LPM	

AREA DETAILS

FLOORS	PLINTH AREA	CARPET AREA
GROUND FLOOR	1443.00 Sqm.	1154.00 Sqm.
FIRST FLOOR	1371.00 Sqm.	1097.00 Sqm.
TERRACE FLOOR	51.00 Sqm.	41.00 Sqm.
TOTAL	2865.00 Sqm.	2292.00 Sqm.

DISTRICT DEVELOPMENT OFFICER FOR SCHEDULED CASTES, KANNUR

PROJECT: KGPCTC WESTHILL, KODAKKODE.

DRAWING TITLE: FIRE PROTECTION SYSTEM LAYOUT SCHEMATIC DIAGRAM AND SPECIFIC LIST DETAILS

PREPARED BY: **PROTECTION SYSTEMS**

DATE: 16-03-2021

DRAWN: MANJUNATH B N

CHECKED: SARDINI

APPROVED: PRADIP TV

REG. NO. 1895-012-2001

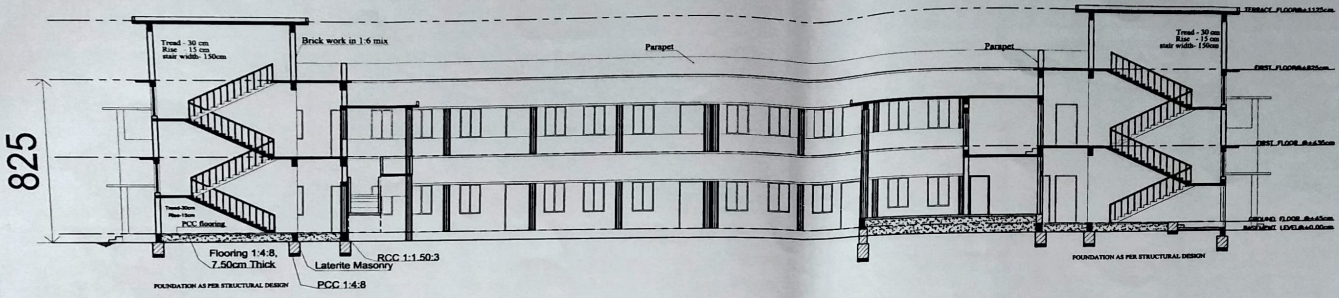
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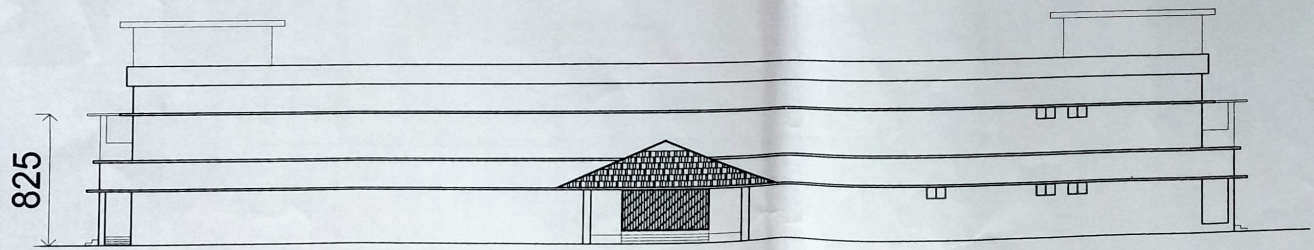
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SCHOOL BUILDING - ELEVATION

6/4



SCHOOL BUILDING - SECTION AA



SCHOOL BUILDING - ELEVATION

LEGEND	
SYMBOL	DESCRIPTION
BR	BATTERY WALE
NR	NON-RETURN WALE
FC	FIRE HOSE CABINET
TC	FIRE EXTINGUISHER (50% WFO)
TR	FIRE BRIGADE INLET
TP	TERRACE PUMP (CAP. 100 LPM)
MC	MANUAL CALL POINT
HC	HOXER
CC	MAN FIRE ALARM CONTROL PANEL



FINAL HOC DRAWING

DISTRICT DEVELOPMENT OFFICE
FOR SCHEDULED CASTES, KANNUR

PROJECT:
COMPLETED MODEL RESIDENTIAL
SCHOOL PERINGOMBE, KANNUR

DRAWING TITLE:
FIRE PROTECTION SYSTEMS FOR
SECTION AA



DATE	BY	SCALE	REV.
11.12.2018	MAN	1:1	1
12.01.2019	MAN	1:1	2
12.01.2019	MAN	1:1	3
12.01.2019	MAN	1:1	4

SYMBOL	DESCRIPTION
	BUTTERFLY VALVE
	NON-RETURN VALVE
	FIRE HOSE CABINET
	FIRE EXTINGUISHER (DOP TYPE)
	FIRE BRIGADE INLET
	TERRACE PUMP (CAP. 900 LPM)
	MANUAL CALL POINT
	HOOKER
	MAIN FIRE ALARM CONTROL PANEL



FINAL NOC DRAWING

APPLICANT

DISTRICT DEVELOPMENT OFFICE
FOR SCHEDULED CASTES, KANNUR

ARCHITECTS

PROJECT:

COMPLETED MODEL RESIDENTIAL
SCHOOL PERINGOME, KANNUR

DRAWING TITLE:

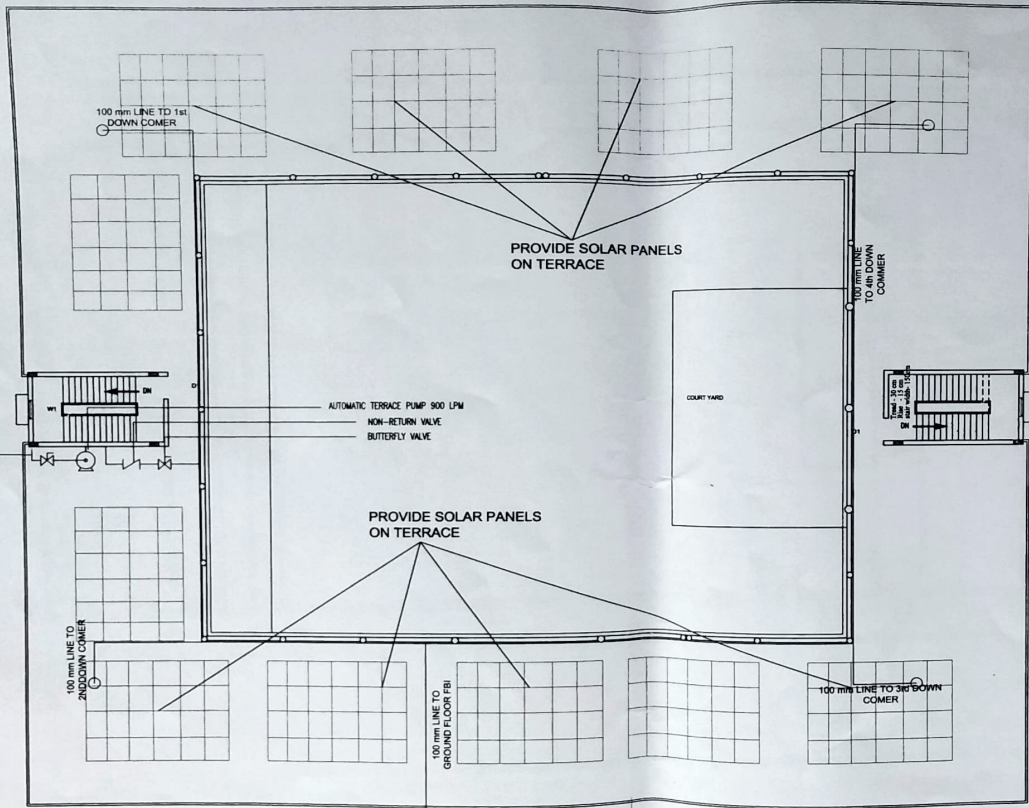
FIRE PROTECTION SYSTEM LAYOUT
TERRACE FLOOR

FIRE PROTECTION ENGINEERS



Room 47-17th, The First Floor, Sree Narayana Temple, Kollam

DATE	BY	SCALE	ISS
11.10.2020	RAJESH	1:100	1
CHECKED	MANOJ W	DATE: 10/11/20	RFP-200-2001
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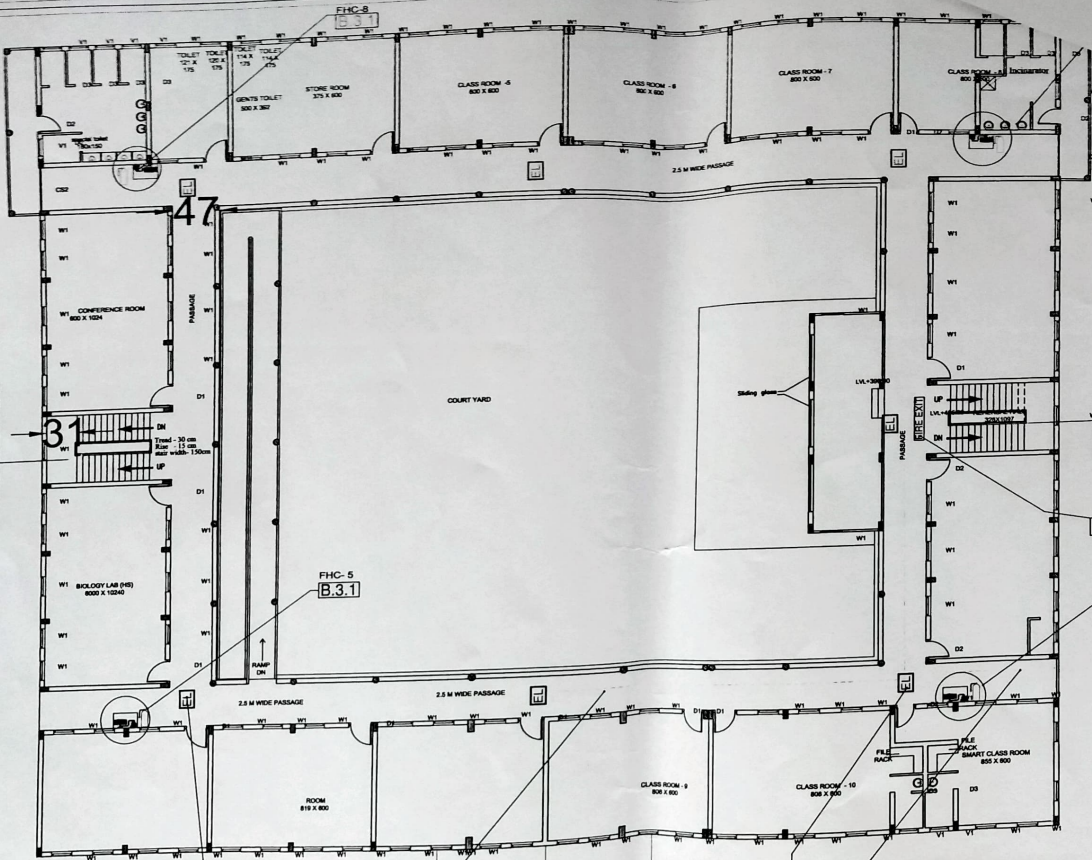


SCHOOL BUILDING - TERRACE FLOOR PLAN

SLOPED PROFILE
IN TRUSSED ROOF

B.2.1.a

MIN STAIR CASE - 2.11.1a-1
MIN STAIR CASE - 2.11.1a-2
RES-150M - 2.11.1a-3
HORIZONTAL - 1000M HEIGHT - 2.11.1a-4



SCHOOL BUILDING - FIRST FLOOR PLAN

Travel dis: 28.5m

B.2.3

DEAD END CORRIDOR DIS: 6m

B.2.3.2

B.2.1.a

MIN STAIR CASE - 2.11.1a-1
MIN STAIR CASE - 2.11.1a-2
RES-150M - 2.11.1a-3
HORIZONTAL - 1000M HEIGHT - 2.11.1a-4

B.2.2

FHC-6
B.3.1

B.2.4

B.2.4



FINAL NOC DRAWING

APPLICANT

DISTRICT DEVELOPMENT OFFICE
FOR SCHEDULED CASTES - KANNUR

PROJECTS

PROJECT

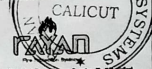
COMPLETED MODEL RESIDENTIAL
SCHOOL PERINGOME, KANNUR

DRAWING TITLE

FIRE PROTECTION SYSTEM DRAWING

FIRST FLOOR

FIRE PROTECTION ENGINEERS



Name and / or, Full Name of the Candidate, Registration No.

DATE	SCALE	NO.
DRAWN	AS SHOWN	NO.
CHECKED	BY	NO.
APPROVED	BY	NO.

SHEET-2/13