

③ Dryers It is catalyst and accelerates the process of drying. Many one of the types Oil driers (Alkyd) paints driers. (Cobalt) Nitrogen in most commonly used.

④ Solvent or thinner Used to make paint thinner. Turpentine, white spirit, kerosene, Benzene.

⑤ Colors pigments. It is used when the paint's structure has been in desired.

Types of Paints.

Aluminum paint.

Asbestos paint

Cellulose paint

Emulsion paint

Enamel paint

Oil paint

Plaster paint

② Varnish is a solution of varnish substance like Amber, Copal, Commensurin, shellac etc in oil, turpentine or alcohol. Proper may be added in alcohol drying. It is used for wood, transparent and glossy film of varnish or surface. Varnishing is its application. It is used to remove unwanted appearance of unpainted wood for appearance. Its ingredients are Resins or Resinous substance, solvent and driers.

Types of Varnish.

① Oil varnish. Made from the hardest resins or gums such as Amber, Copal etc. by heating and distillation is done with turpentine. It dries slowly but it's durable of all. Good for exposed surfaces.

② Turpentine Varnish These are made from gum dammar, waste common resin. by dissolving them in turpentine. They are cheaper and more flammable, quicker in drying. Not suitable for exterior.

③ Spirit Varnish or Lacquers These are made from soft resin or lacca or shellac dissolved in methylated spirits or other. They dry quickly and more harder than turpentine varnish. But not durable.

④ Water Varnish. It is shellac dissolved in hot water and mixed with ammonia, borax, castrol or Soda used for varnishing wall paper, map pictures.

Some times they are identified on the basis of name used as Asphalt varnish, Copal varnish, shellac varnish.

③

Distempers:
These are basically water paints. They are of powdered chalk, glue or earth or binder and suitable preparation of first covering pigment. These distempers are cheap, durable pigments and easily applied for internal surfaces. Distempers are application. It is cheaper to paint and maintain.
Distemper = Base (suiting chert) + glue (binder) + water (carrier) and a coloring pigment.
Prepared in some form, mixed with hot water thin layer.

① White distemper: powdered chalk + glue ② Colored distemper: diluted coloring pig. + glue size

③ Oil bound distemper: There is a variety of oil pigments in which the drying oil is so thickened that it is mixed with water. They are thinned or diluted with water on drying they form durable & weatherable coating.

④ Casein paints: Prepared by using hotly ground casein with water. These have weathering strength. They are used for hot painting on plastered surface, spalls, fibre boards etc.

④ Steps are arranged above as staircase in exposure work contains ~~staircase~~ staircase. And for good staircase following are the requirements.

1. It should be easily accessible for different persons
2. It should have adequate height & ventilation
3. It should have sufficient stair every day scale work. 50 for residential two flooring 90 - 100 for 1st floor. 120m for 8th floor.
4. nos. of steps in a flight max. 12 min 3.
5. Angle lead run vertical clearance should not be less than 2.15m.

⑥ Tread & rise in contact point of view
 Tread 25 - 32.5 cm
 Rise < 25 cm should have resting of 2.5 cm
 Rise 17.5 - 18.5 cm

⑦ Product of Rise and Tread must be between 400 - 410

⑧ Rise plus Tread must be equal 42.5 to 43.5 cm

⑨ Sum of Tread and Rise must be between 60 - 64 cm

7. For residential buildings with 1m.

8. No. of steps using should be considered by the user. floor area. contributing to a stairway

9. The minimum width of landing should be equal to the width of stairs.

10. The maximum & minimum pitch should be 40° and 25° respectively

11. The width be provided as 1.2m and it is provided as 1.2m should be provided

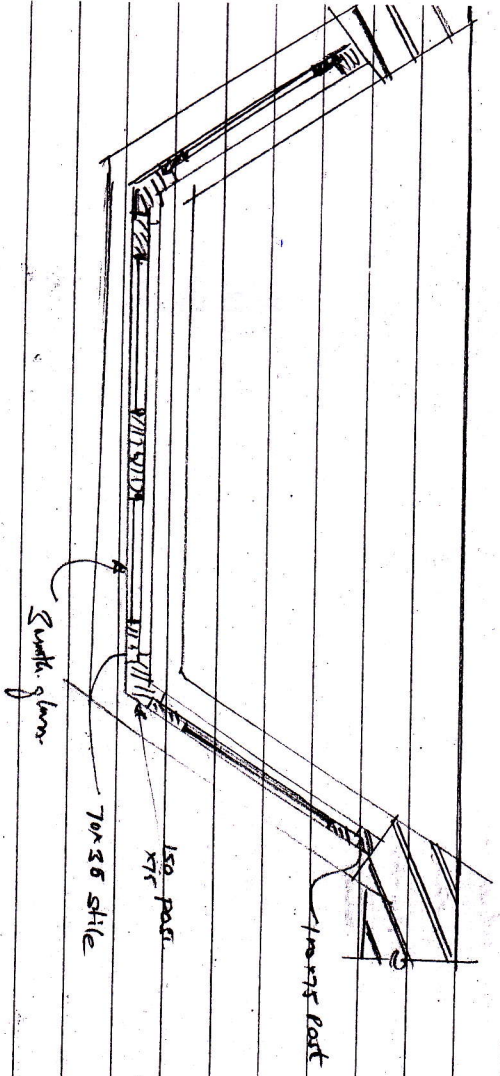
12. Balustrade be provided for open well stairs

14. The live load for open well stairs be as per ISI for normal residential 300 kg/m² and also cover accordingly is expected 50 kg/m²

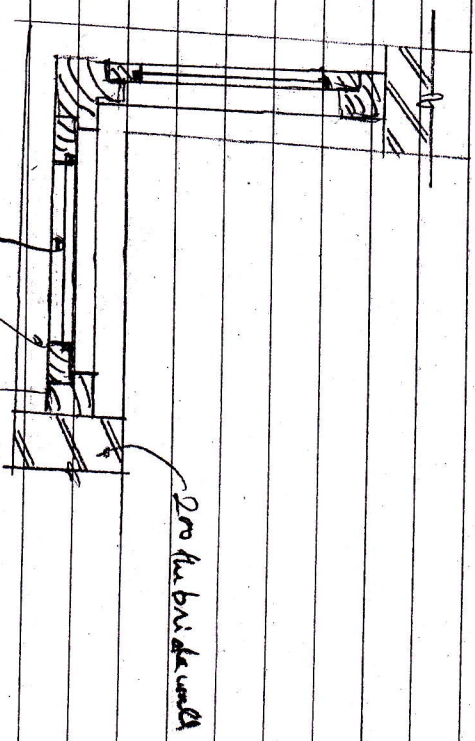
15. Decking be designed for horizontal force 195 kg/m² vertical force 1.20 kg/m²

But these be given 1.2m from the 1.20 kg.

5. Plan of Bay or better window.



Plan of Bay window



Plan of Bay window
Cover window
(with glass)