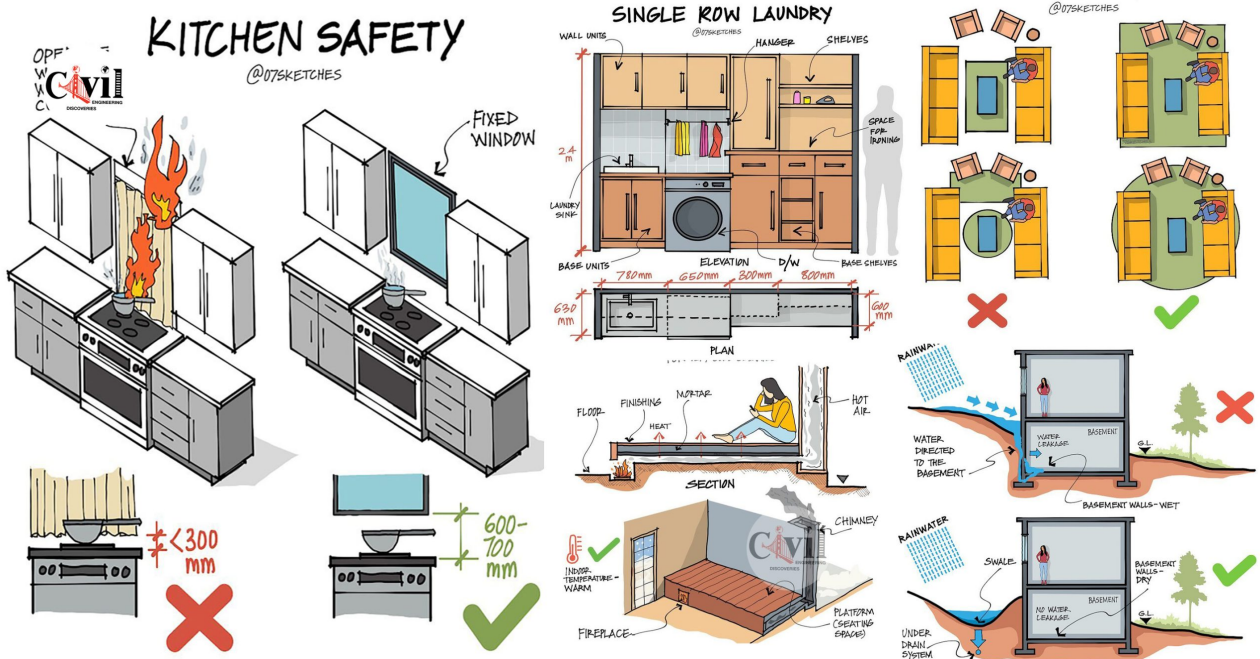


Important Information With Illustration Every Engineer Need To Know

engineeringdiscoveries.com/important-information-with-illustration-every-engineer-need-to-know

April 10, 2022



Important information points and dimensions about the kitchen, living room, lighting, closet, laundry, drainage system, types of stairs, etc, by [07sketches](https://www.instagram.com/07sketches).

[Click Here To See Design Tips And Utilities By Arquigraphi](#)

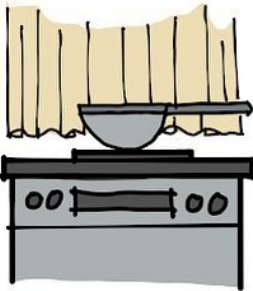
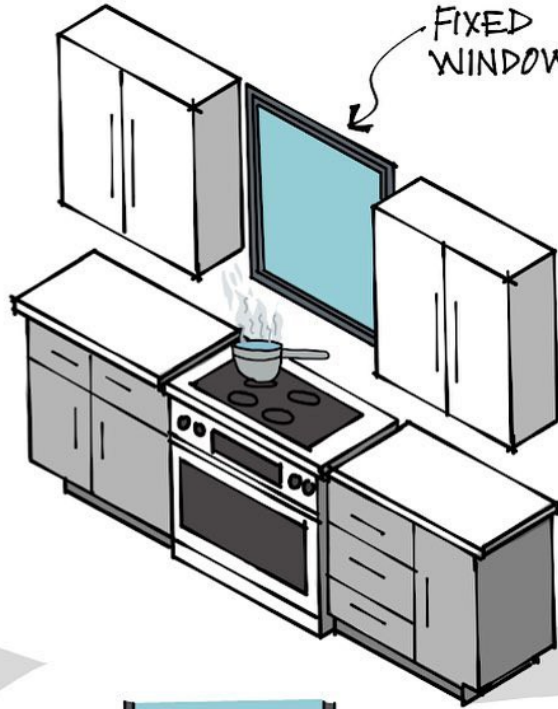
KITCHEN SAFETY

@07SKETCHES

OPERABLE WINDOW WITH CURTAIN



FIXED WINDOW



$\neq < 300$
mm



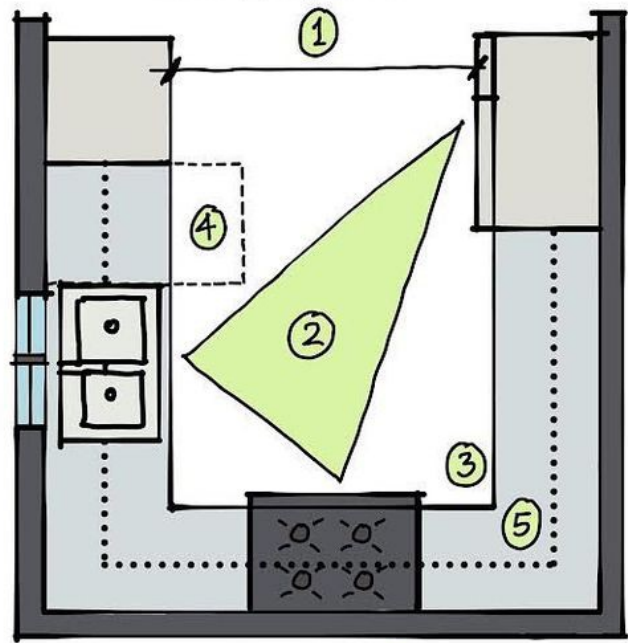
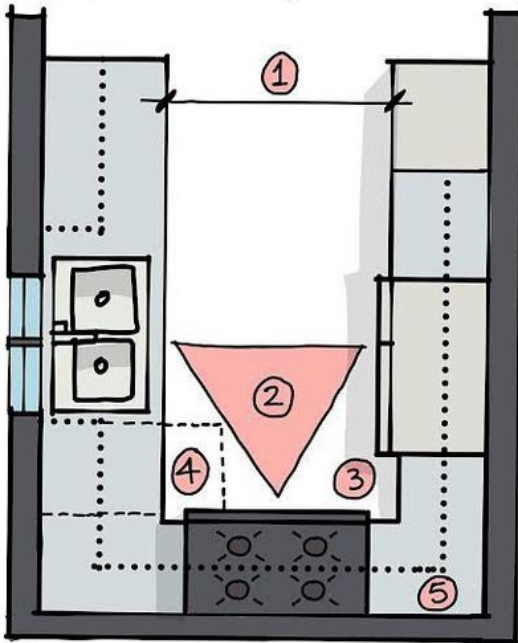
600-
700
mm



KITCHEN DESIGN

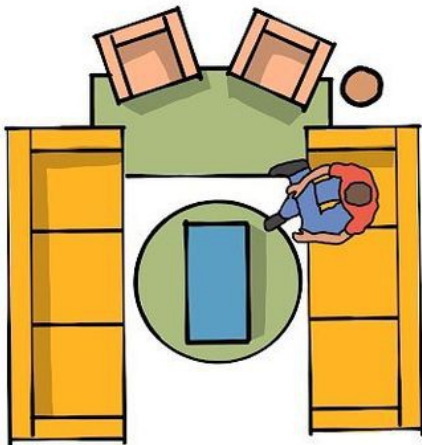
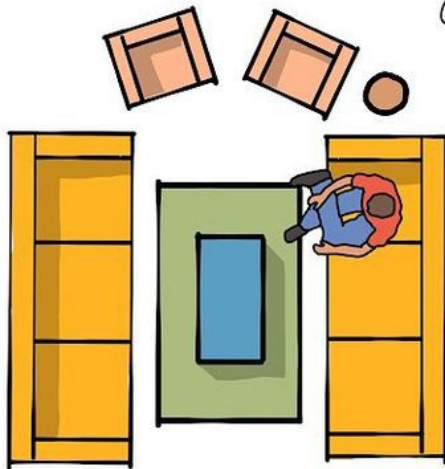
@07SKETCHES

- ✗ ① MAIN AISLE WIDTH IS MINIMAL
- ✗ ② KITCHEN TRIANGLE IS LESS THAN 9 FEET, WHICH IS TOO SMALL
- ✗ ③ BASE CABINET IS NOT ACCESSIBLE
- ✗ ④ DISHWASHER AND OVEN DOORS WILL COLIDE
- ✗ ⑤ DEAD SPACE/COUNTER
- ✓ ① EFFICIENT AISLE WIDTH
- ✓ ② BIGGER WORKING TRIANGLE
- ✓ ③ BASE CABINET IS ACCESSIBLE
- ✓ ④ CLEANUP STORAGE AND CONVENIENT DISH STORAGE
- ✓ ⑤ CONTINUOUS AND ACCESSIBLE CABINET+COUNTERTOP



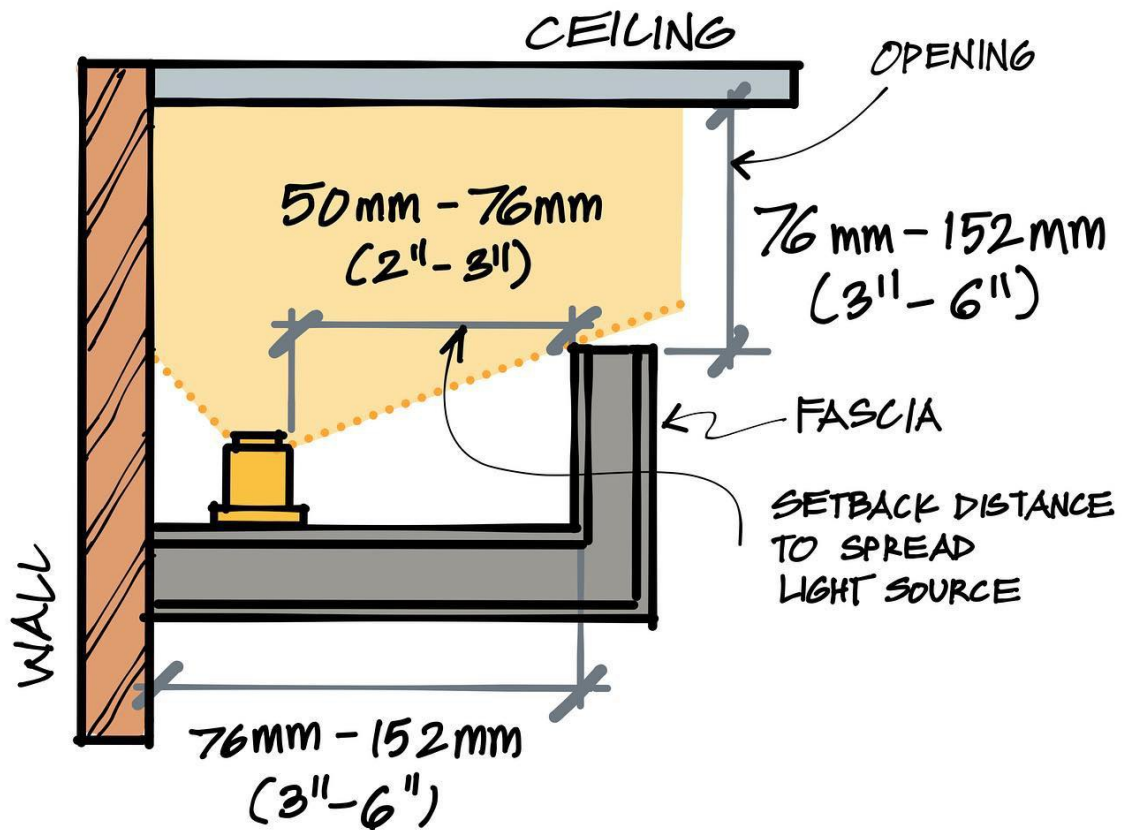
LIVING ROOM - RUG PLACEMENT

@07SKETCHES



COMMON LIGHTING - CEILING DETAILS

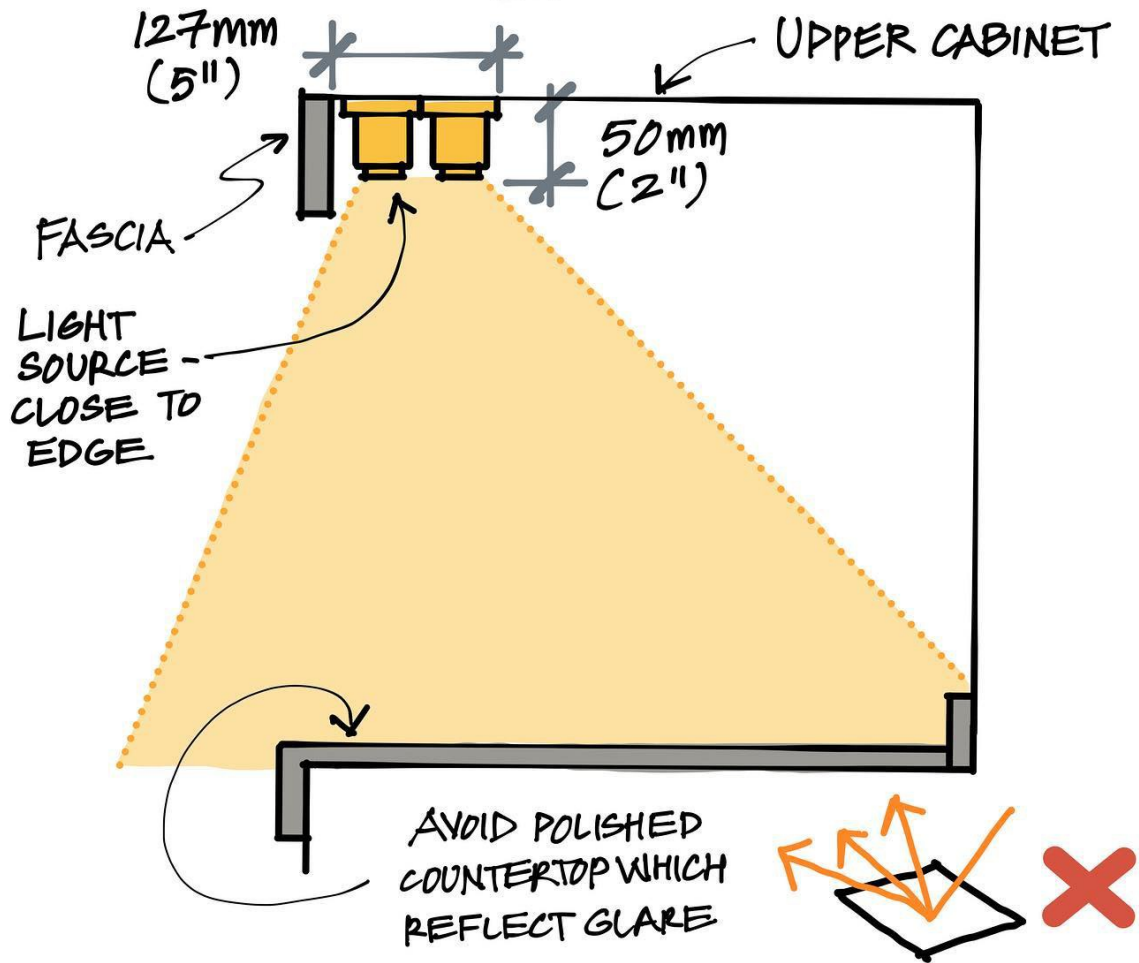
@07SKETCHES



Ⓐ TYPICAL COVE APPLICATION

COMMON LIGHTING - CEILING DETAILS

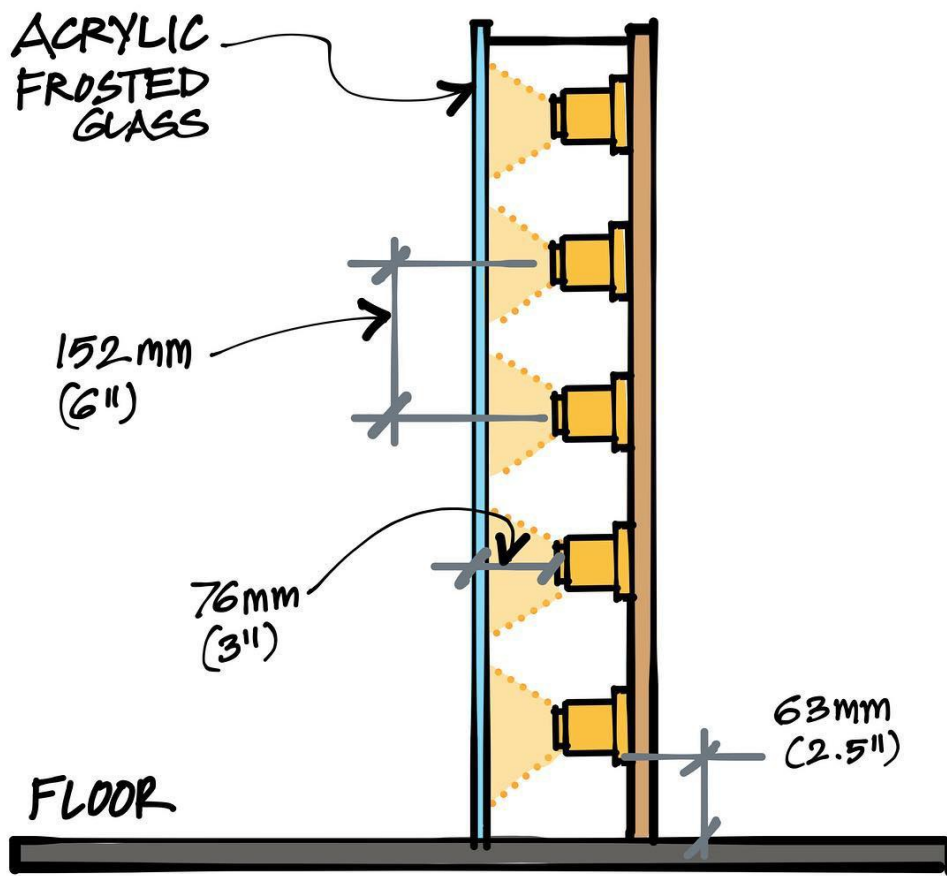
@07SKETCHES



Ⓑ UNDER CABINET TASK LIGHT

COMMON LIGHTING - CEILING DETAILS

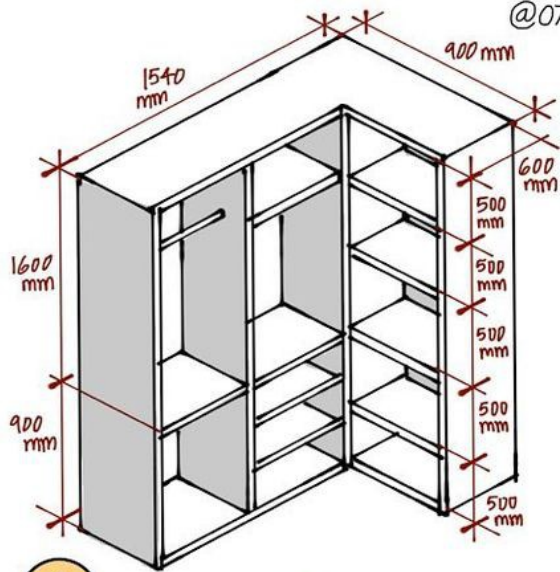
@07SKETCHES



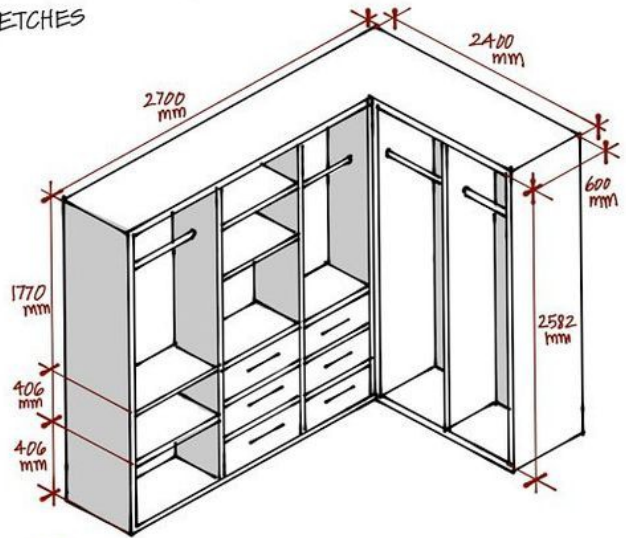
© ACRYLIC BACKLIGHTING

CLOSET DESIGNS

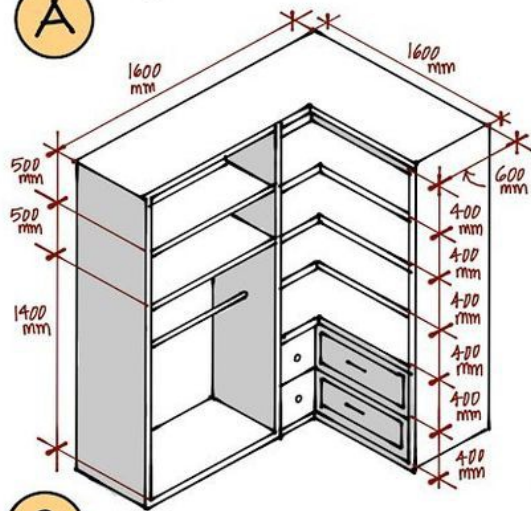
@07SKETCHES



A

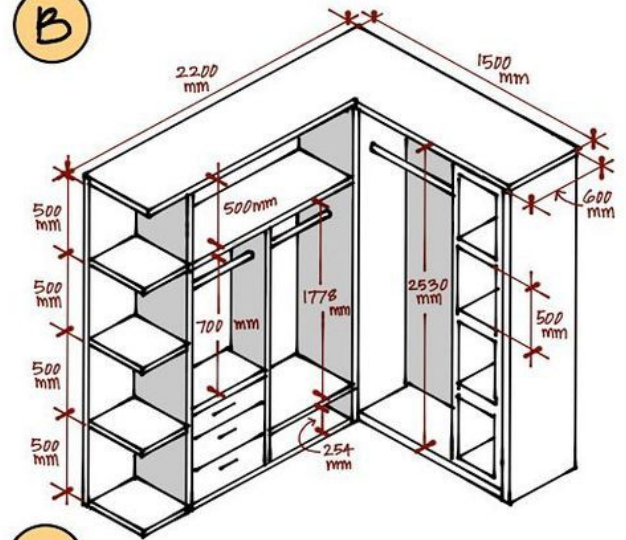


B



C

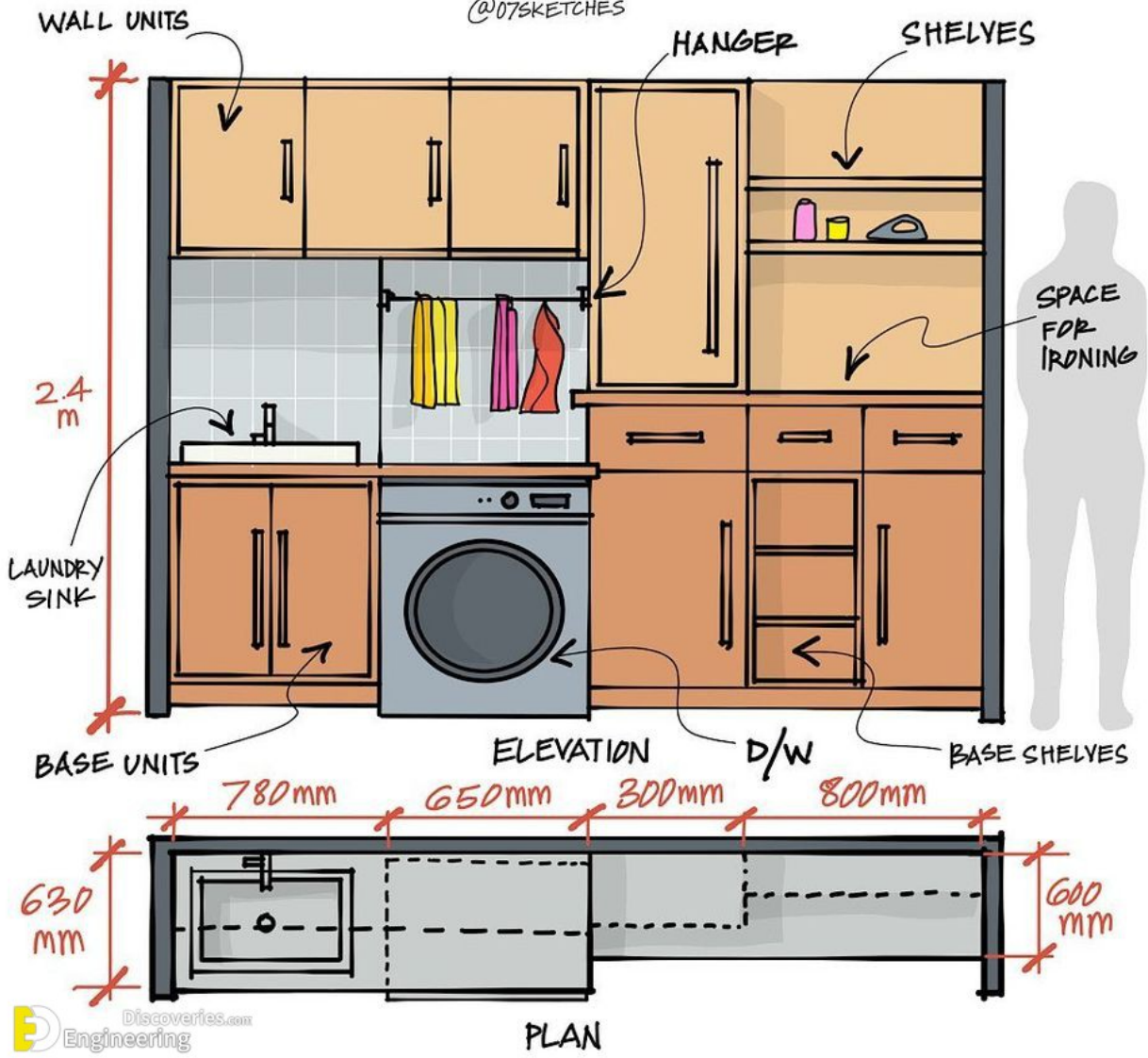
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Engineering



D

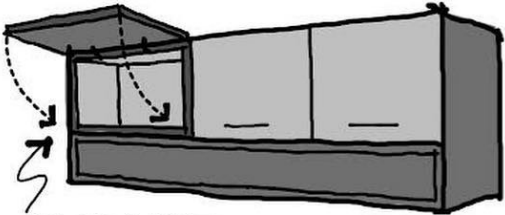
SINGLE ROW LAUNDRY

@07SKETCHES

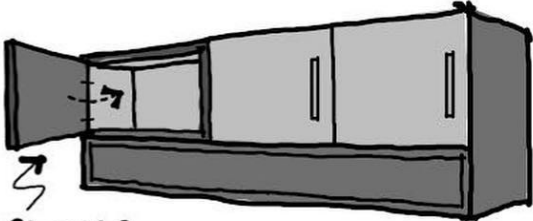


ERGONOMIC KITCHEN CABINET

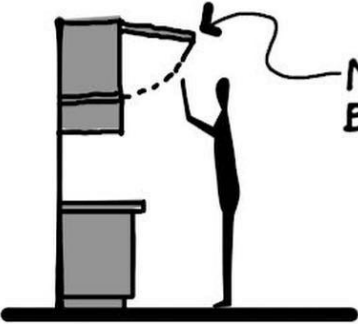
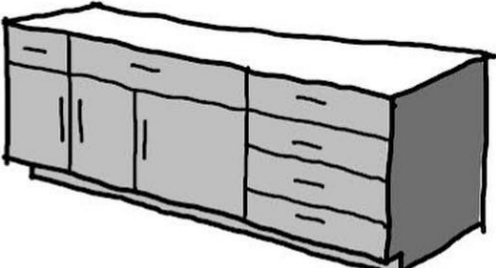
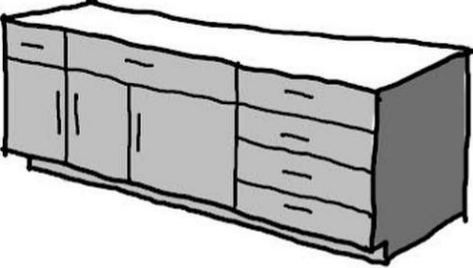
@07SKETCHES



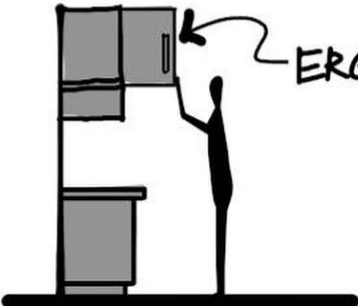
FLIP LIFT



SWING



NON-
ERGONOMIC



ERGONOMIC

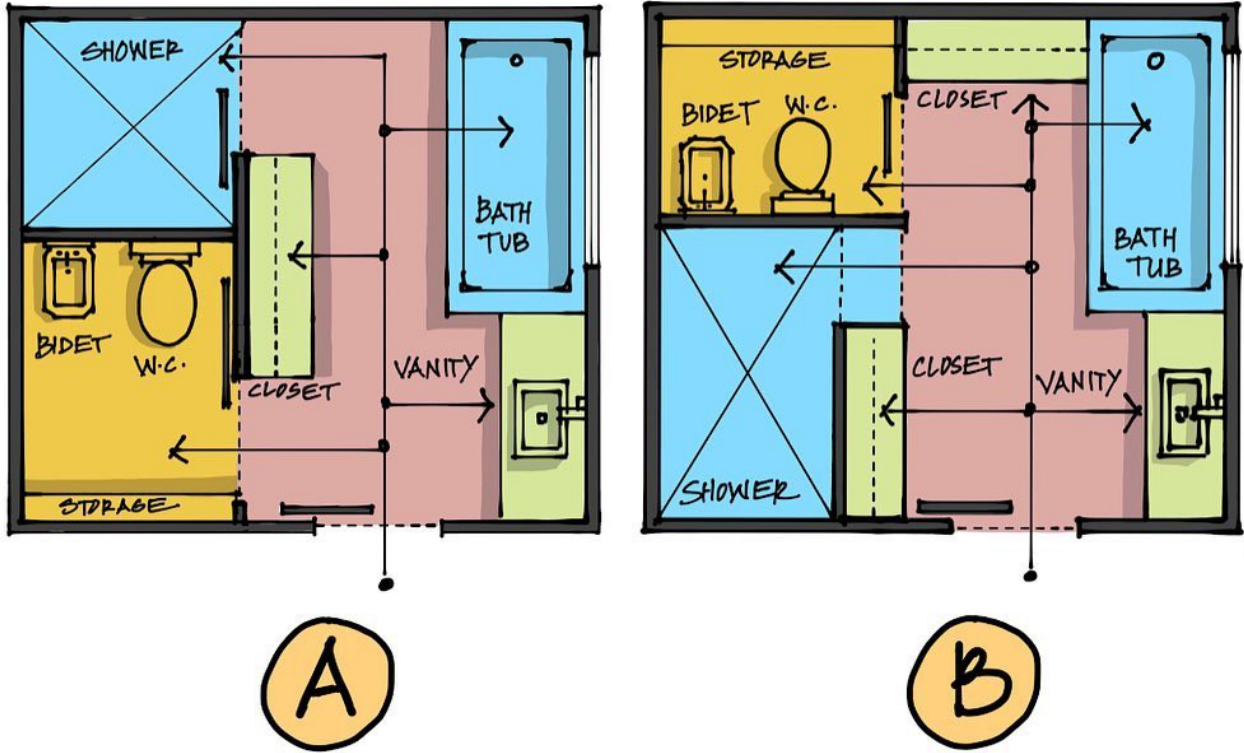


BATHROOM CIRCULATION

@07SKETCHES

ORDER OF USAGE FREQUENCY

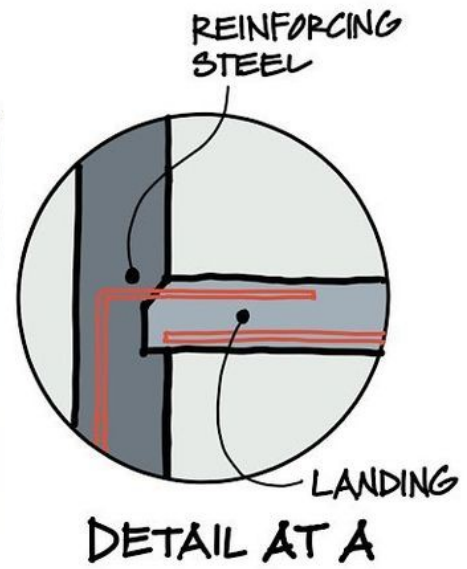
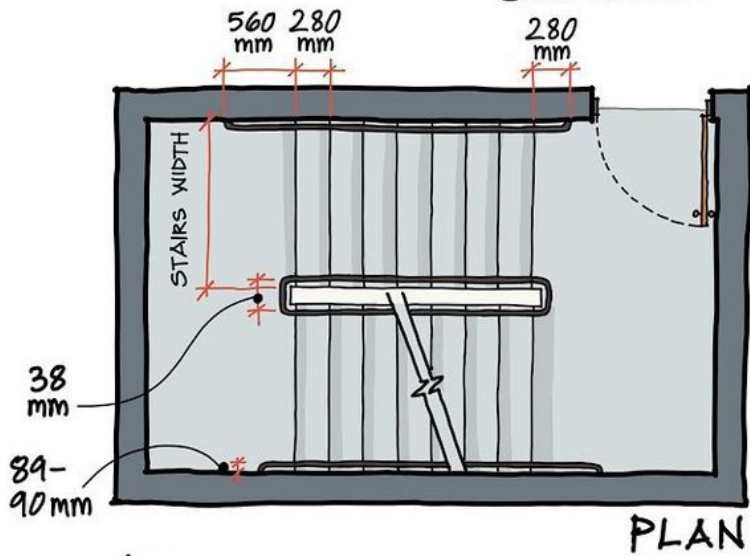
- 1
- 2
- 3
- 4



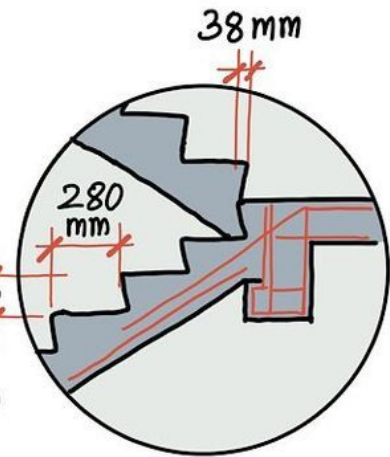
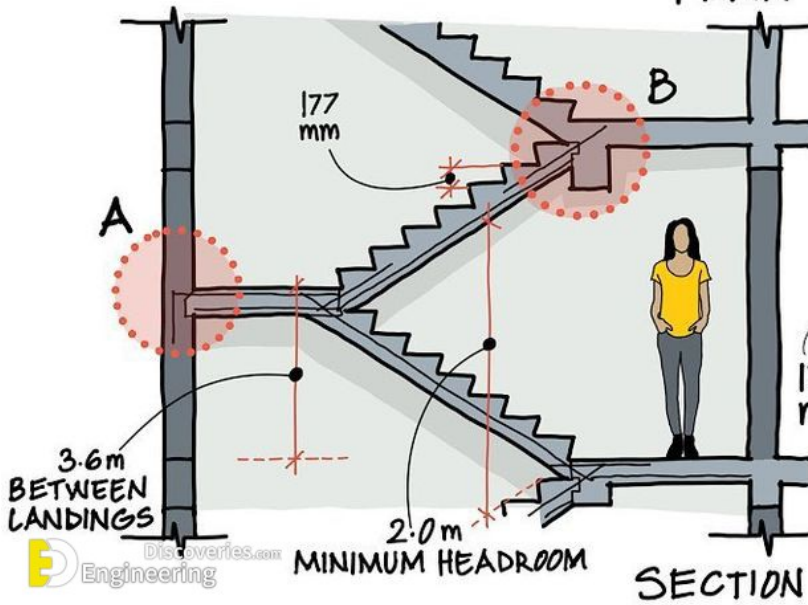
WHICH IS BETTER AND WHY ?

U-TYPE CONCRETE STAIRS

@07SKETCHES



DETAIL AT A



DETAIL AT B

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HOW TO PROTECT YOUR HOUSE FROM STRONG WINDS -

@07SKETCHES



① HILLS



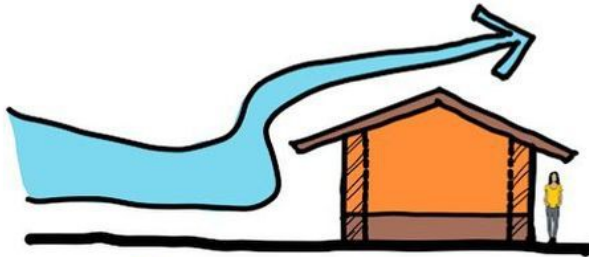
② TREES



③ BERMS



④ SLANTING ROOF



⑤ THICK WALLS

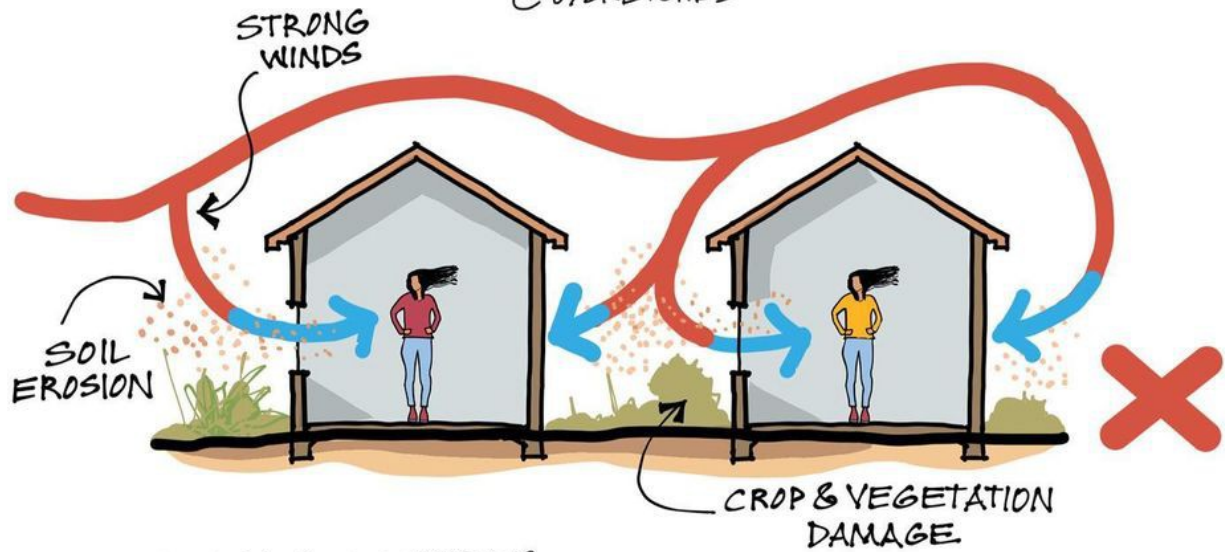


⑥ MOUNDS

Discoveries on Engineering

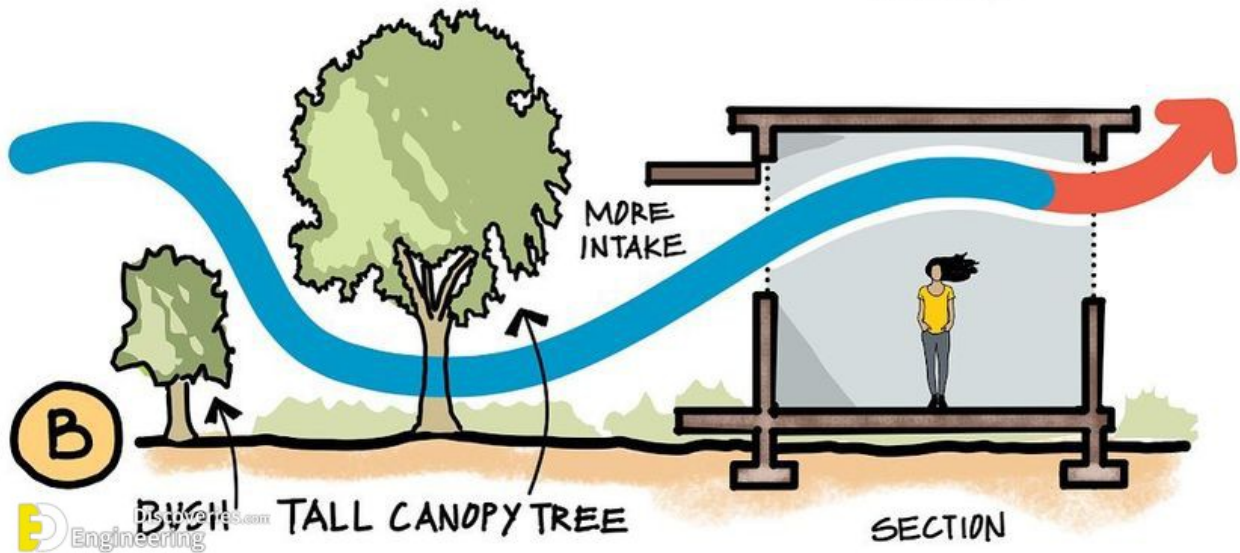
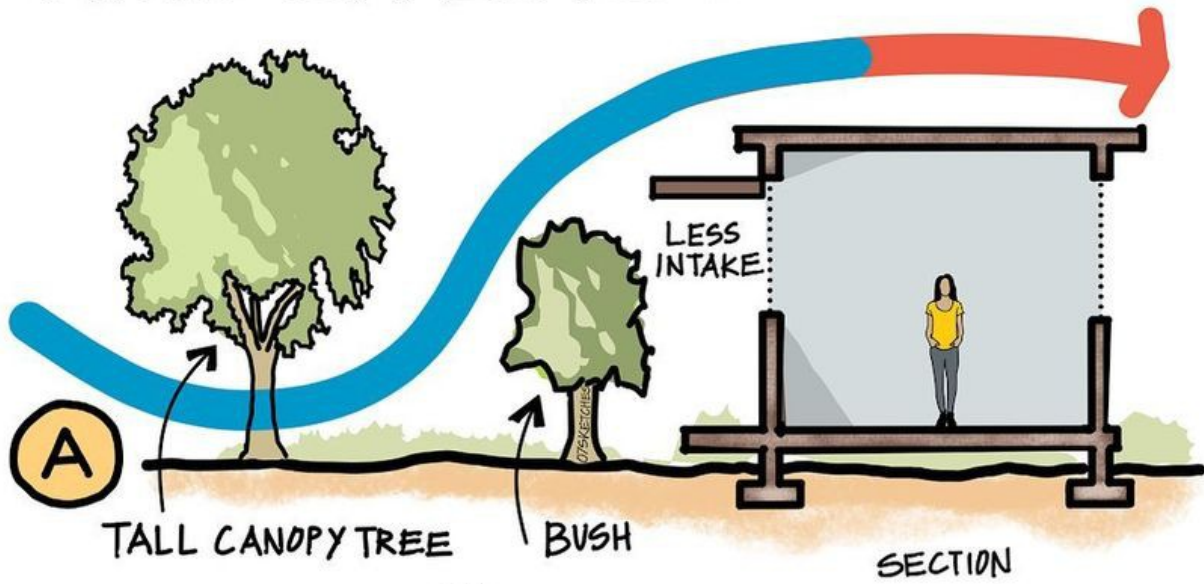
THE BENEFITS OF WINDBREAKERS

@07SKETCHES



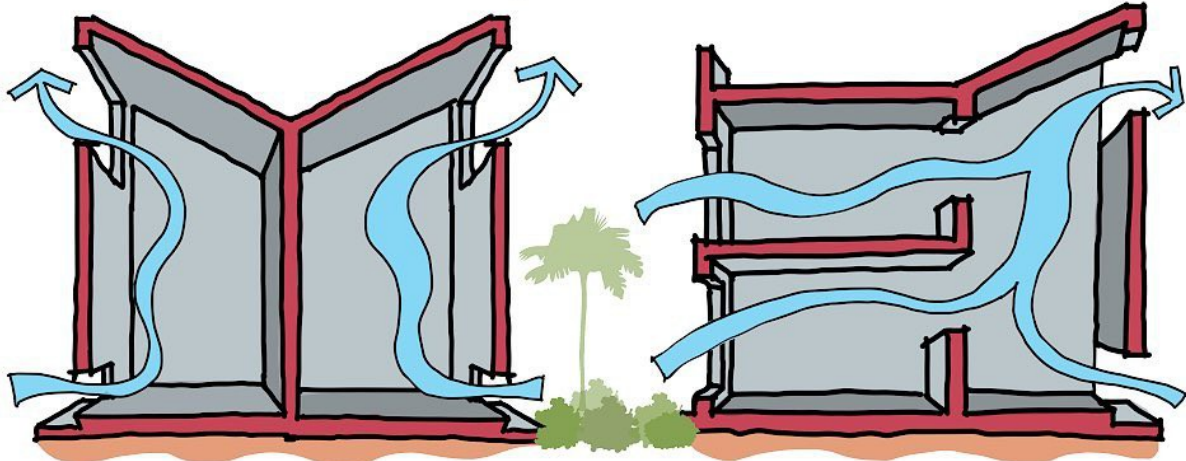
Discoveries
Engineering

WIND EFFECTS @OTSKETCHES



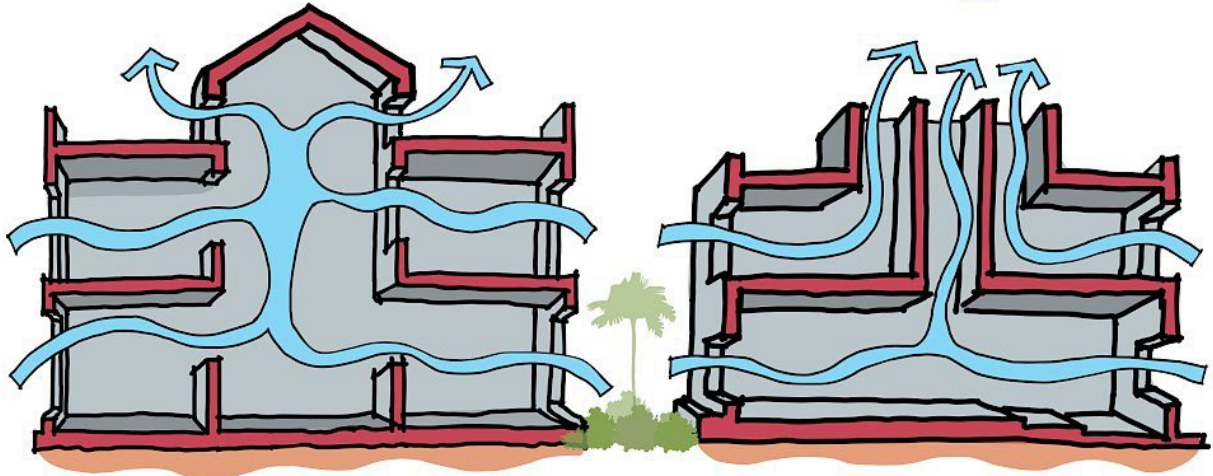
STACK VENTILATION

@07SKETCHES



TYPE (A)

TYPE (B)



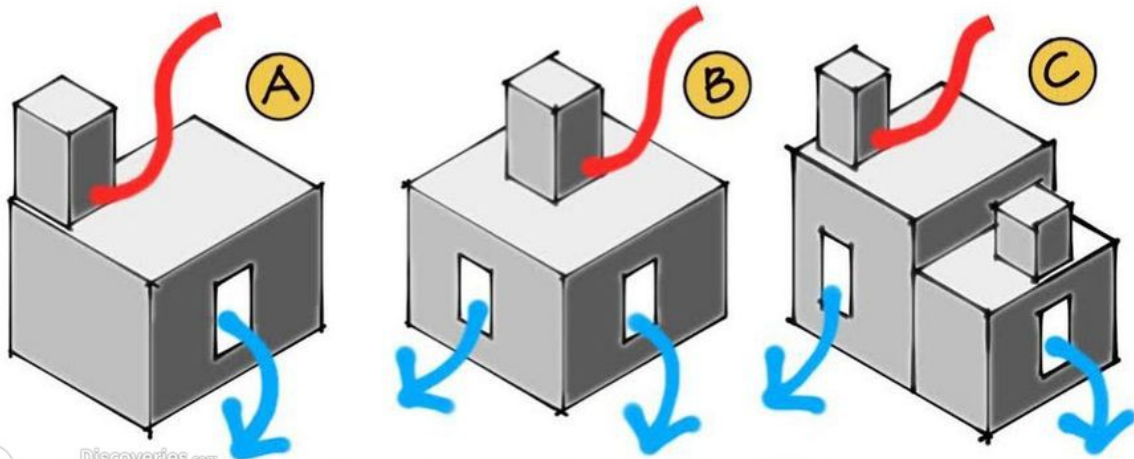
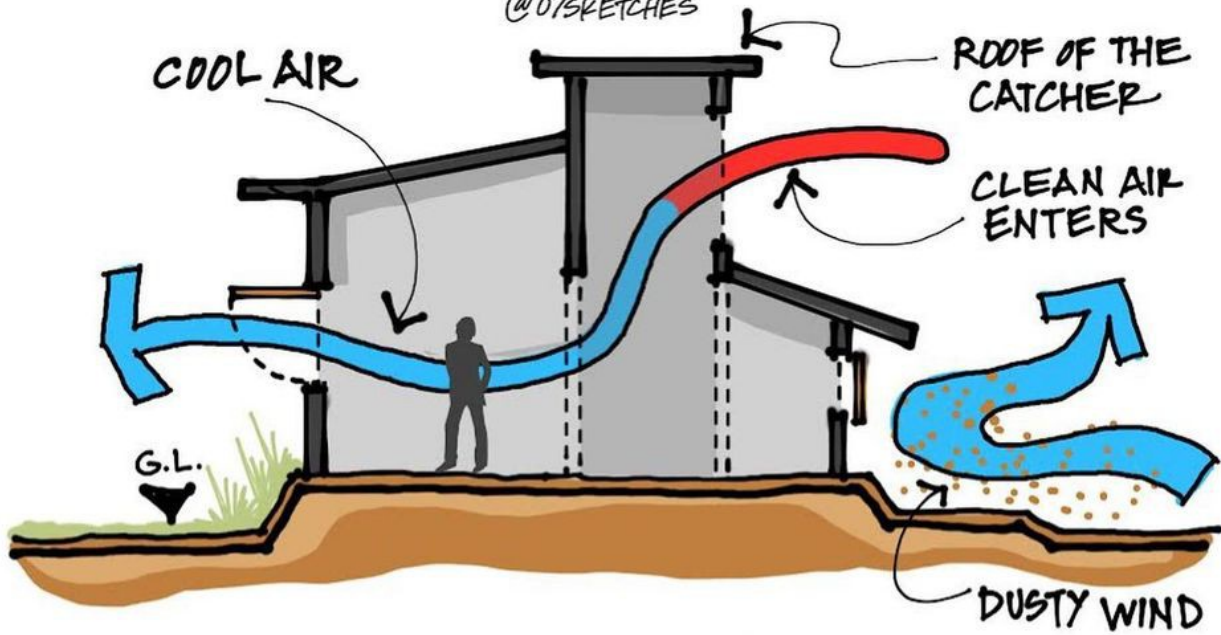
TYPE (C)

TYPE (D)

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Engineering

WIND CATCHER

@07SKETCHES

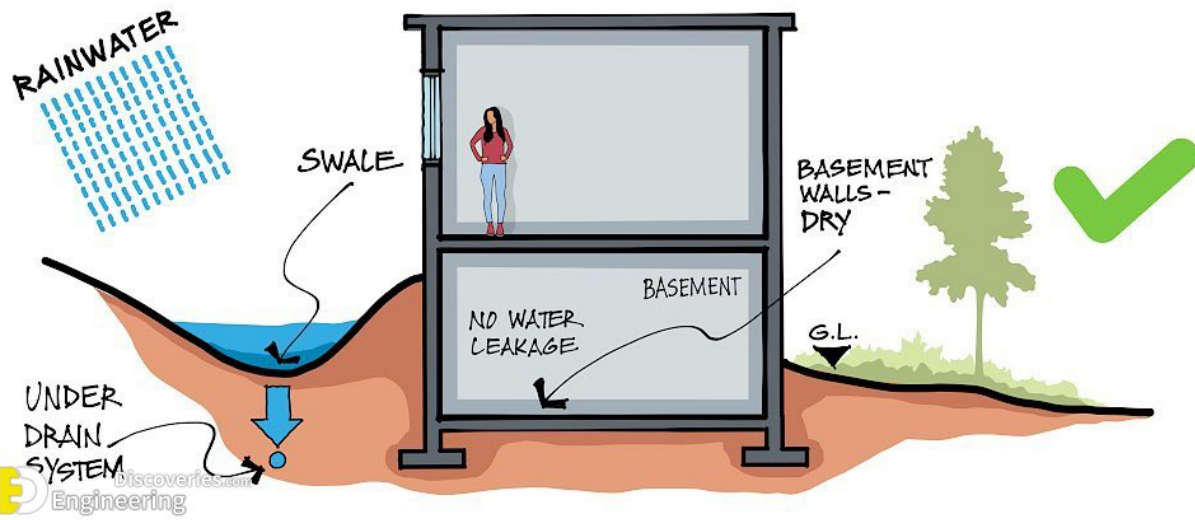
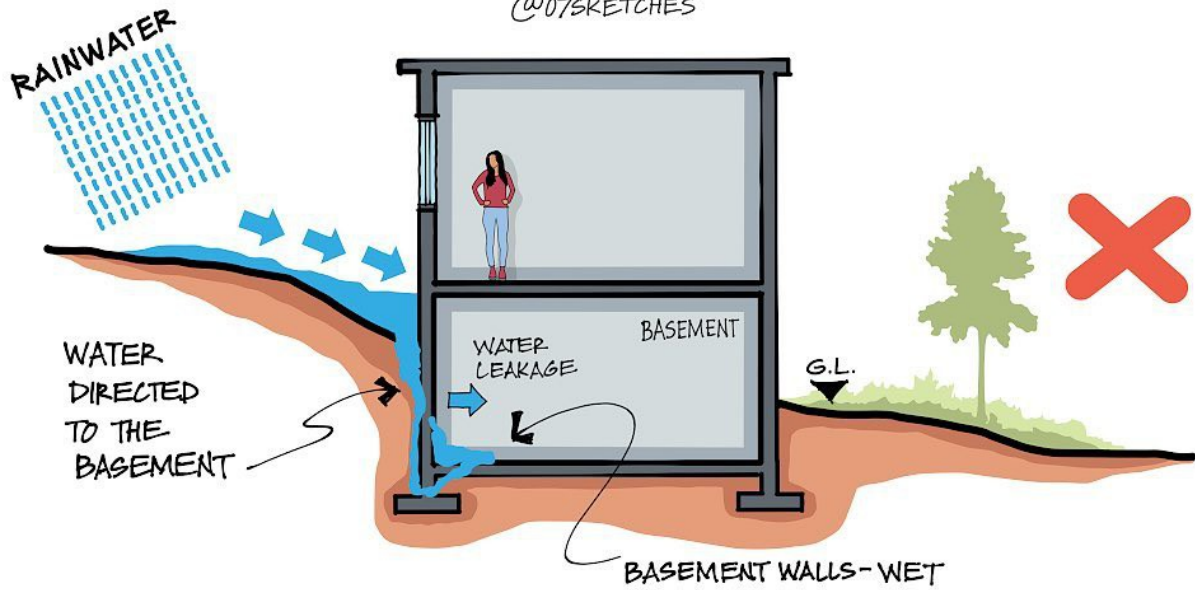


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POSITIONING WINDCATCHER

IMPORTANCE OF DRAINAGE SWALE

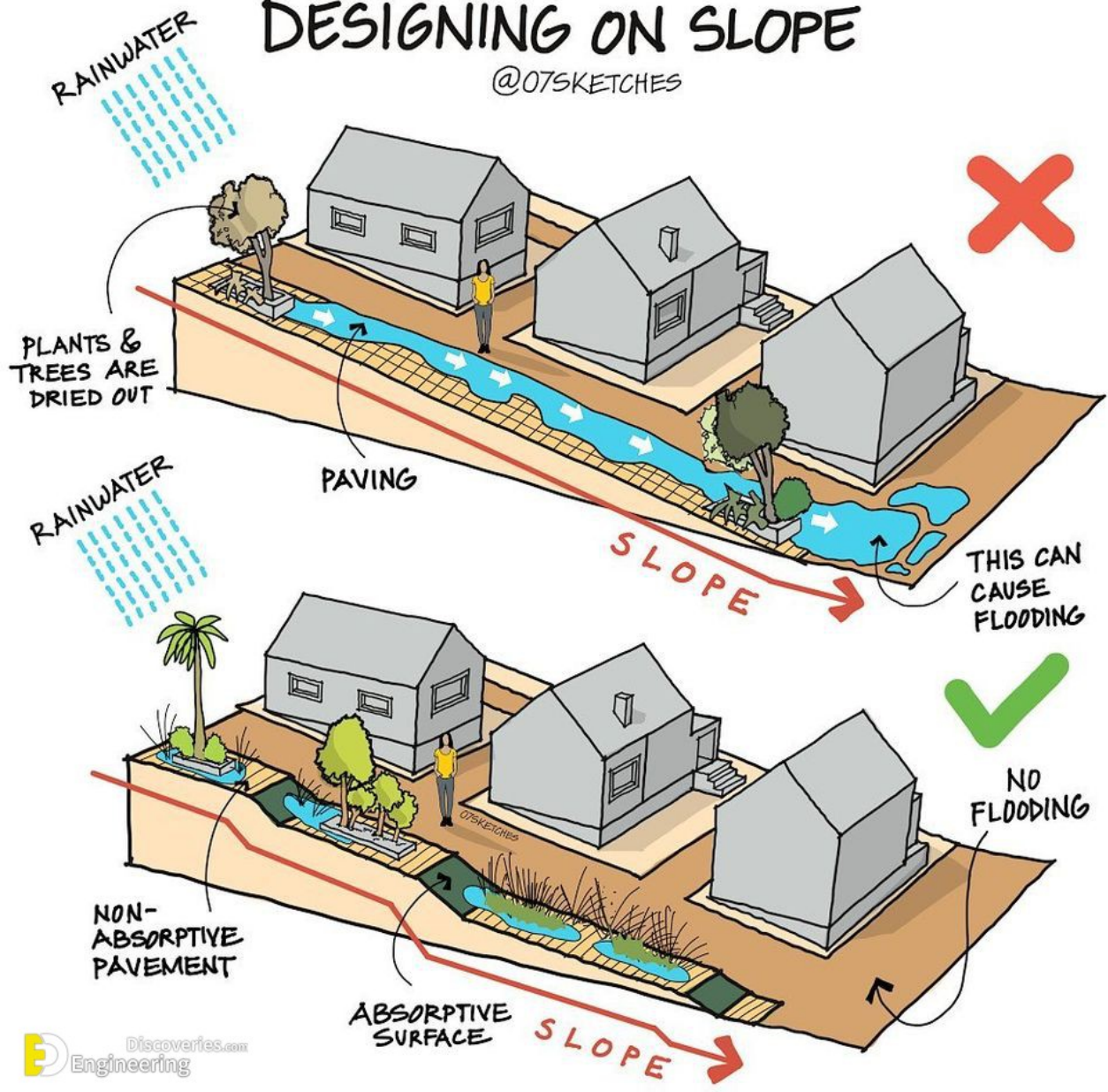
@07SKETCHES



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DESIGNING ON SLOPE

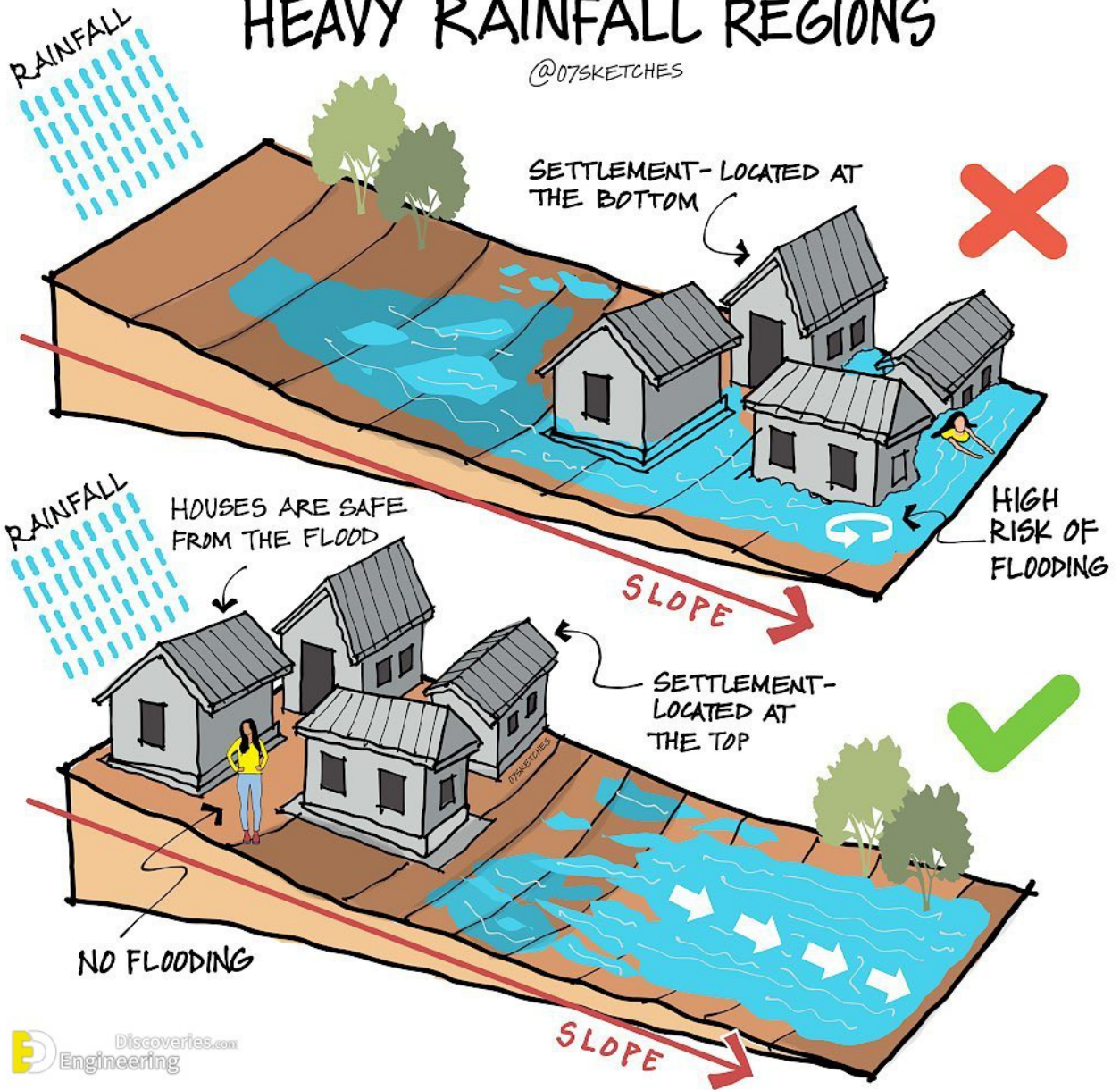
@07SKETCHES



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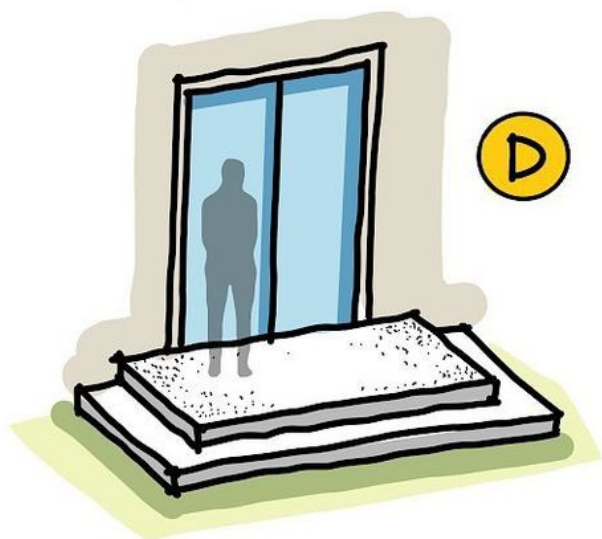
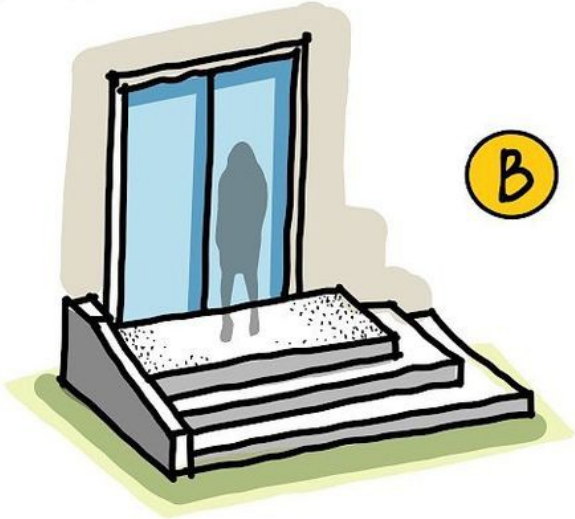
HEAVY RAINFALL REGIONS

@07SKETCHES



TYPES OF ENTRY DOOR STAIRS

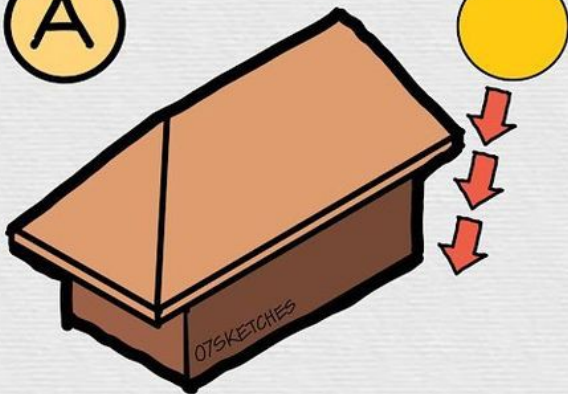
@07SKETCHES



BEAT THE HEAT DURING SUMMER!

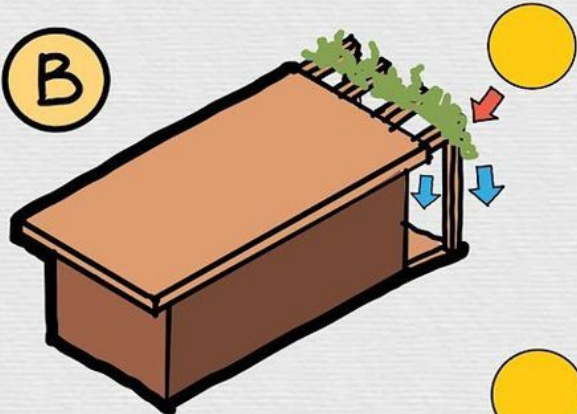
@07SKETCHES

A



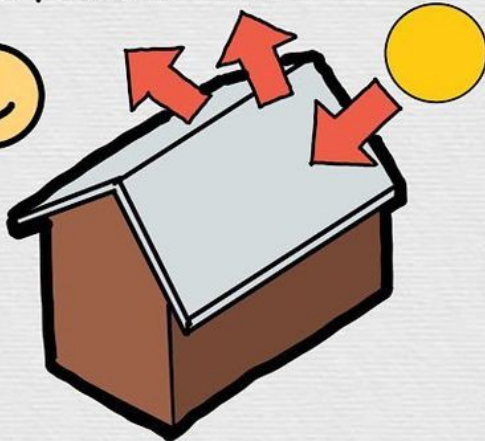
PROVIDE LARGE ROOF
TO PROMOTE SHADING

B



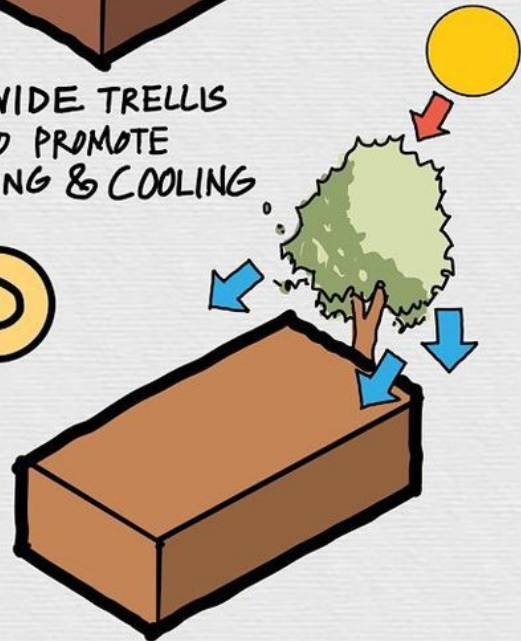
PROVIDE TRELLIS
TO PROMOTE
SHADING & COOLING

C



USE LIGHT COLOR MATERIALS
TO REFLECT THE SUNLIGHT

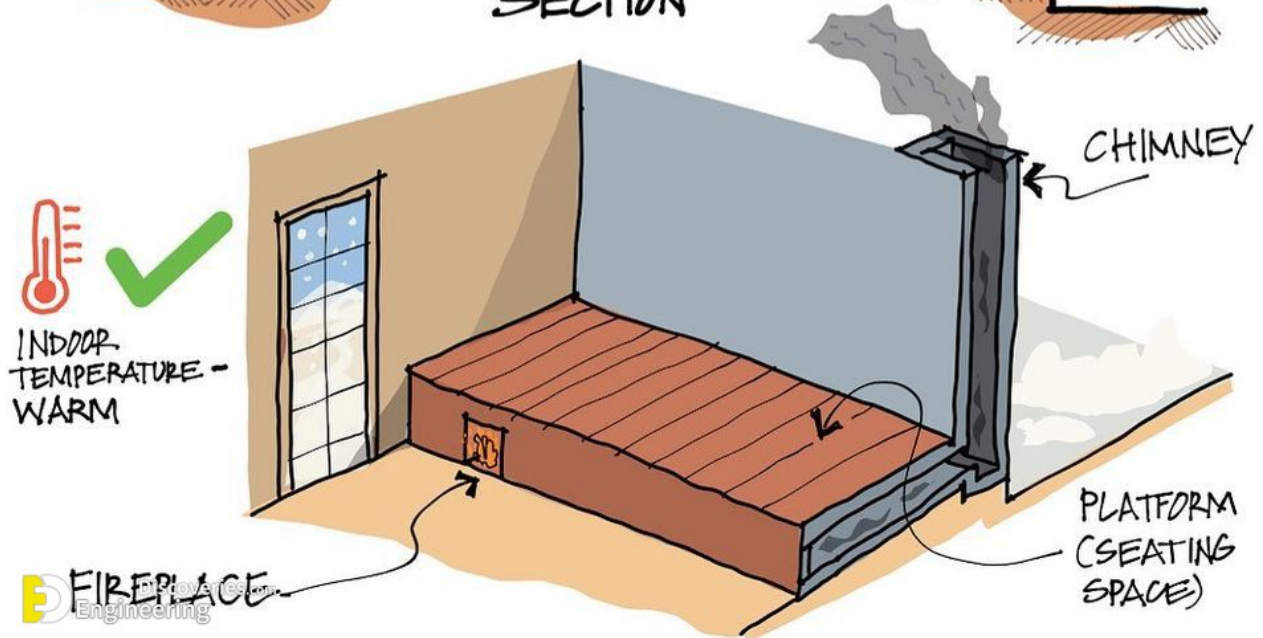
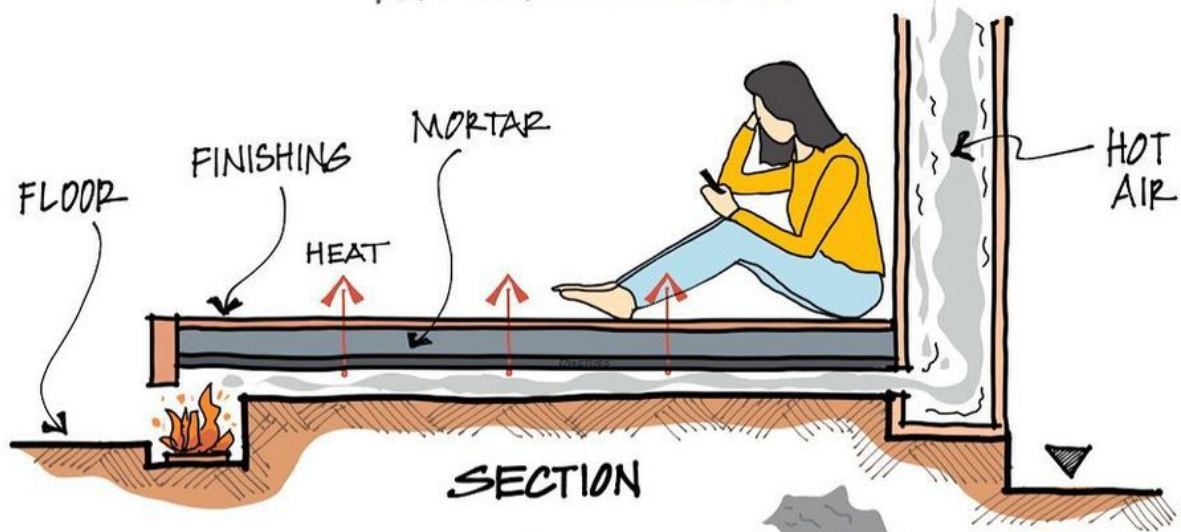
D



HIGH CANOPY TREES CAN
COOL THE AIR

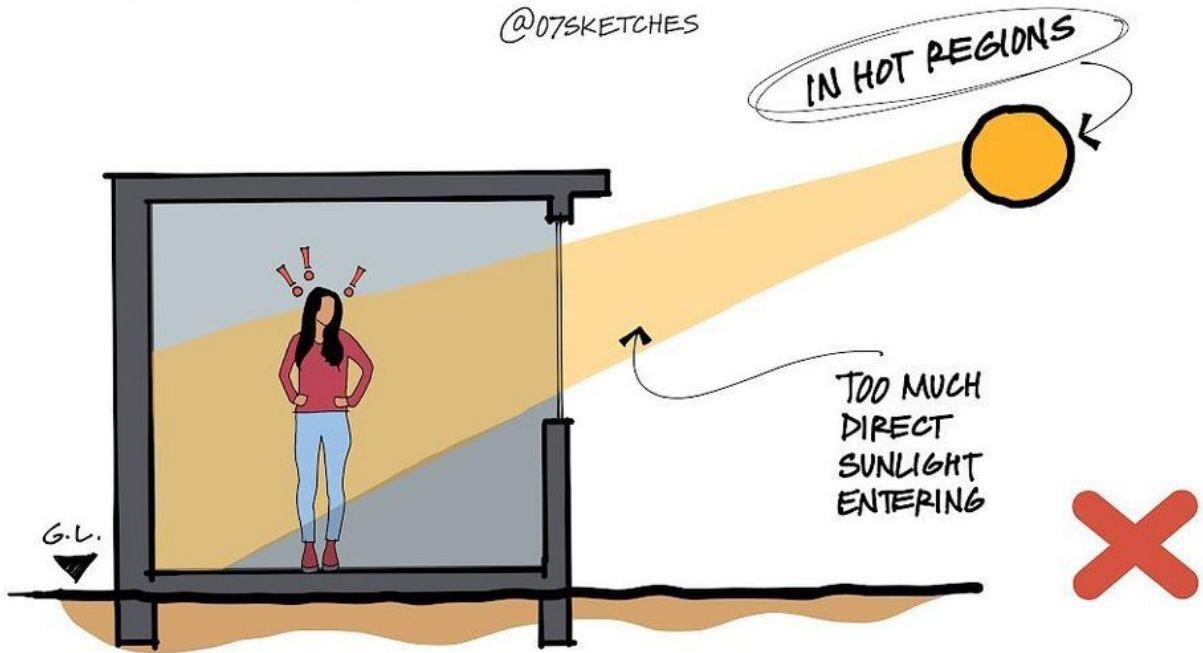
HORIZONTAL CHIMNEY @07SKETCHES

FOR VERY COLD CLIMATES

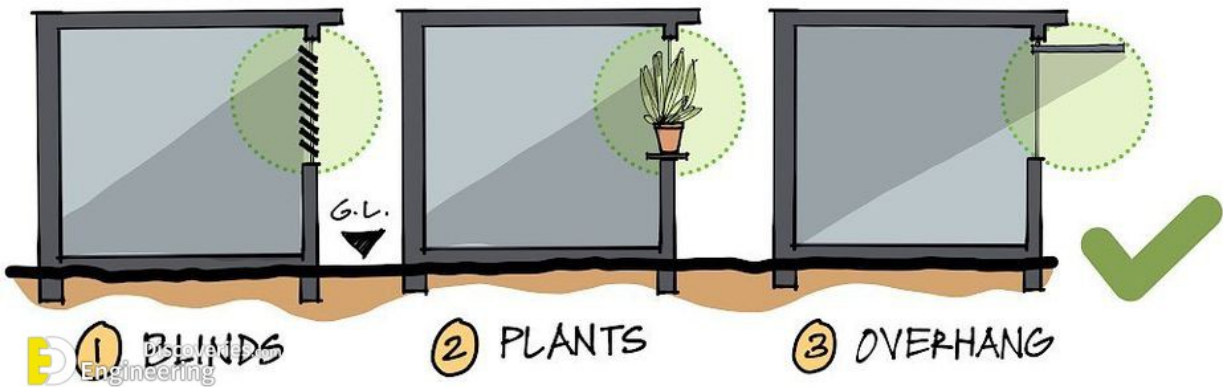


HOW TO PREVENT DIRECT SUNLIGHT ?

@07SKETCHES

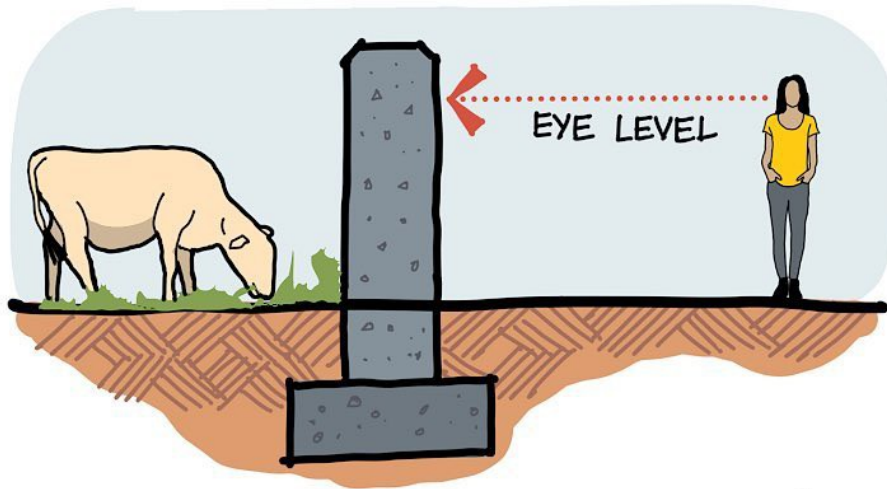


SOLUTIONS -



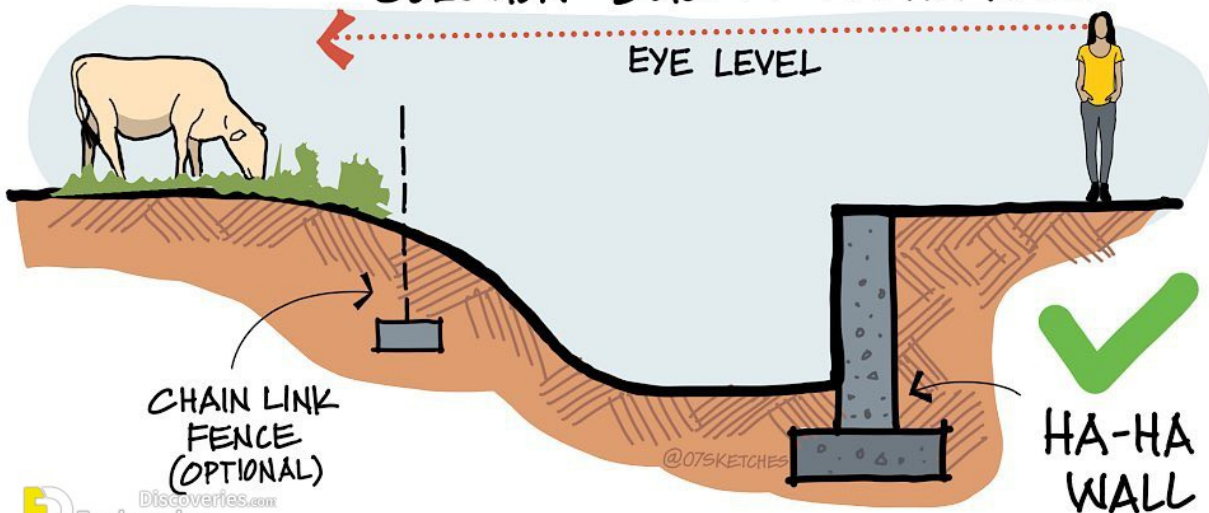
HOW TO CREATE A VERTICAL BARRIER WHILE PRESERVING VIEWS?

@07SKETCHES



✗
TYPICAL
WALL

SOLUTION- BUILD A-'HA-HA'WALL

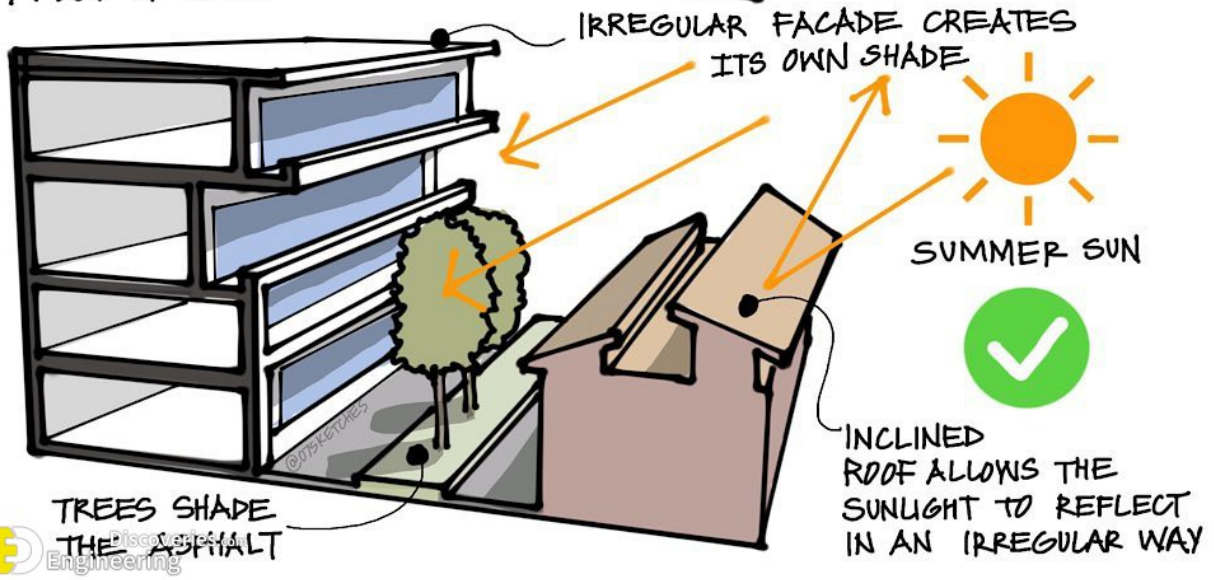
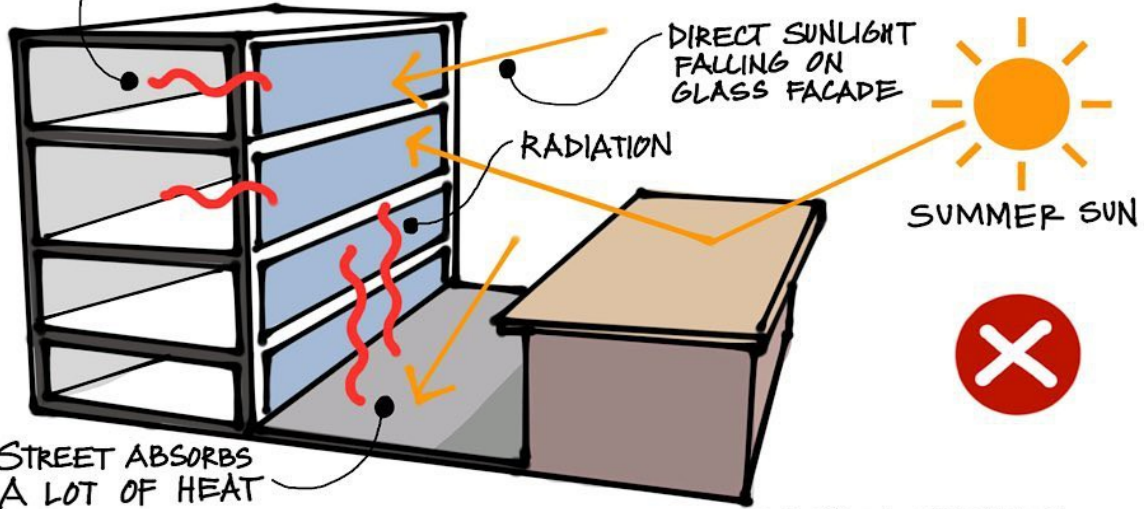


✓
HA-HA
WALL

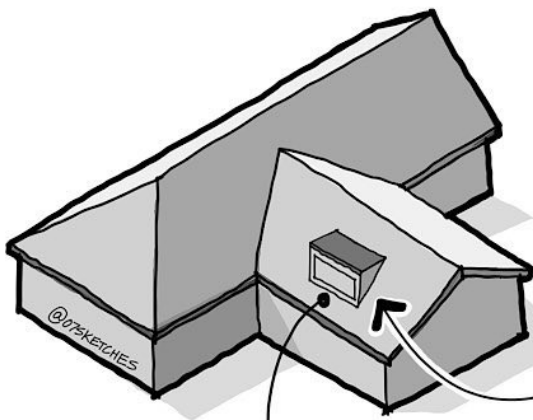
Discoveries.com
Engineering

ROOM GETTING HEATED DUE TO DIRECT SUNLIGHT

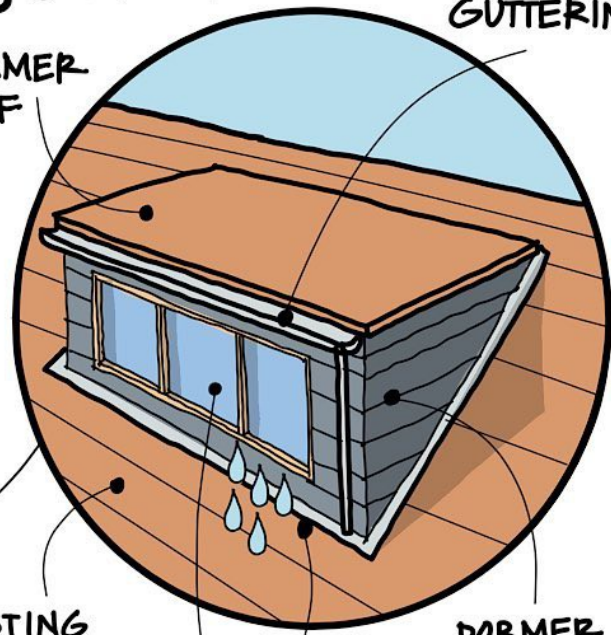
EXTERIOR DESIGN @07SKETCHES



DORMER DETAILS AND TYPES @07SKETCHES



FLAT DORMER



EXISTING ROOF

WINDOW FLASHING

DORMER

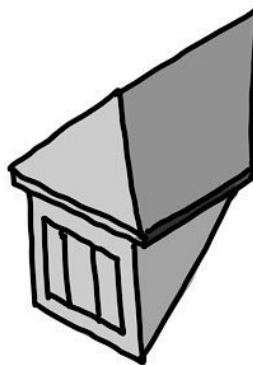
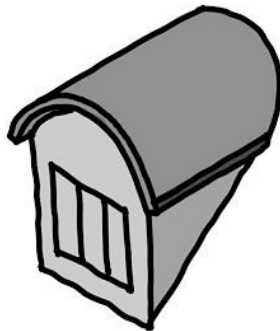
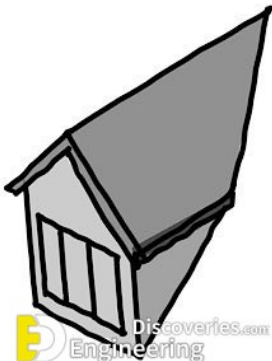
FLASHING

(A) GABLE

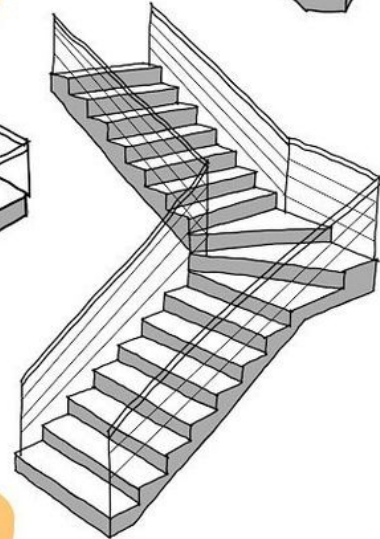
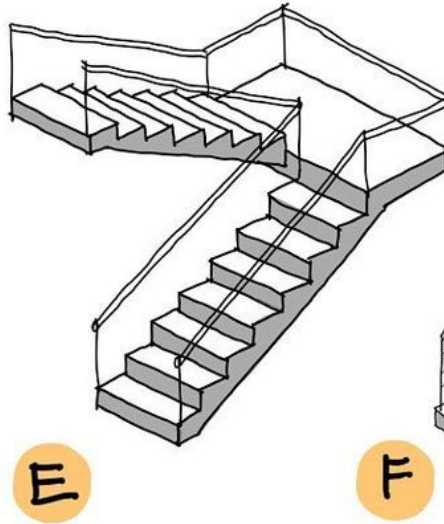
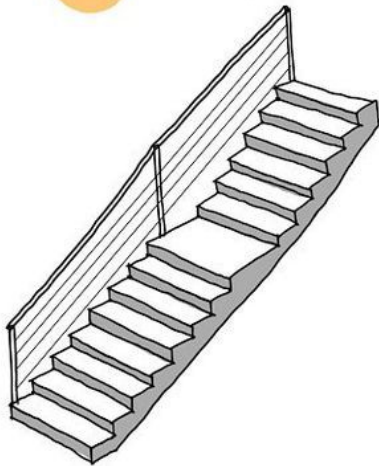
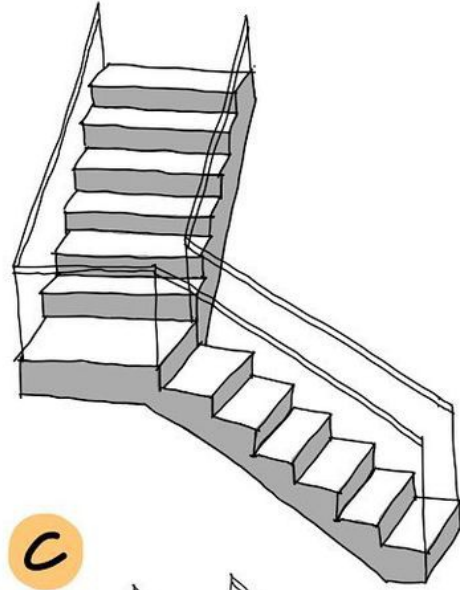
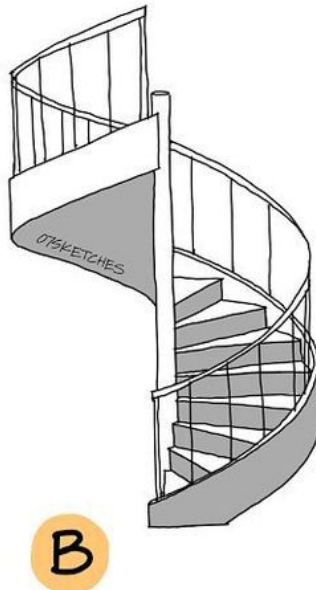
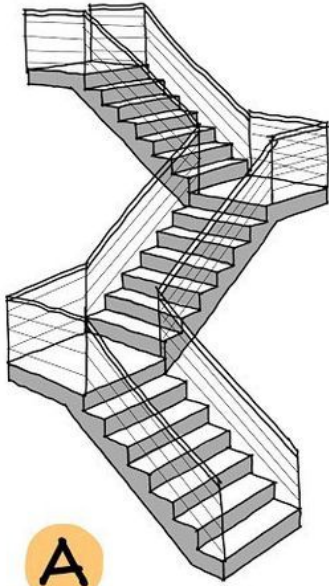
(B) ARCHED

(C) HIP

(D) SHED

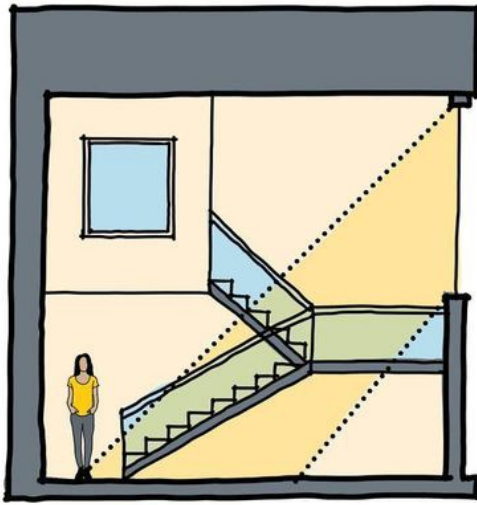


TYPES OF STAIRS @OTSKETCHES

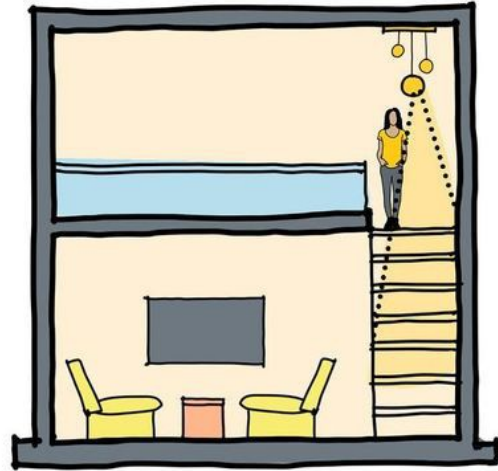


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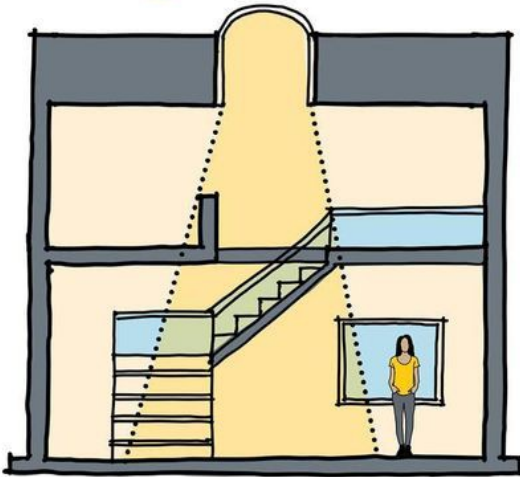
LIGHT UP YOUR INDOOR STAIRCASE



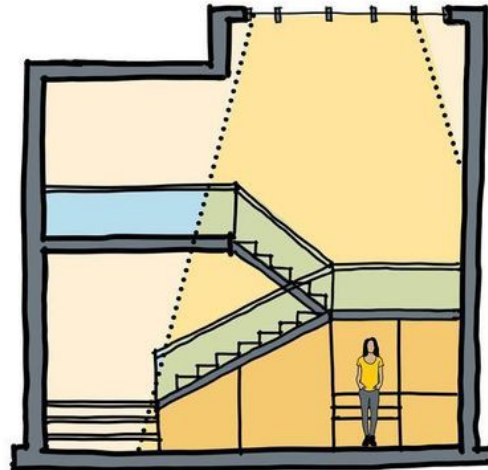
① WINDOW



② CEILING/PENDANT L.



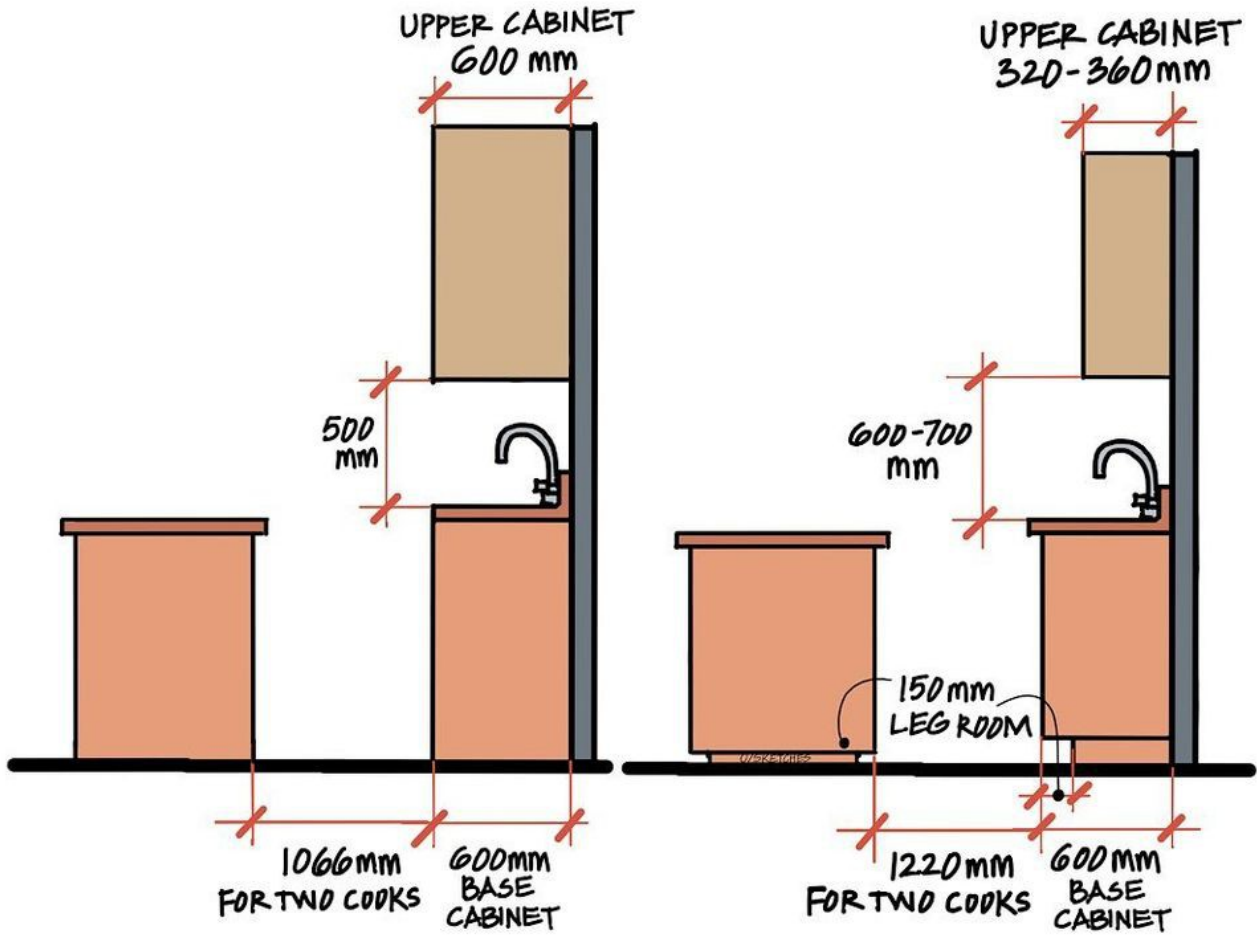
③ ATRIUM



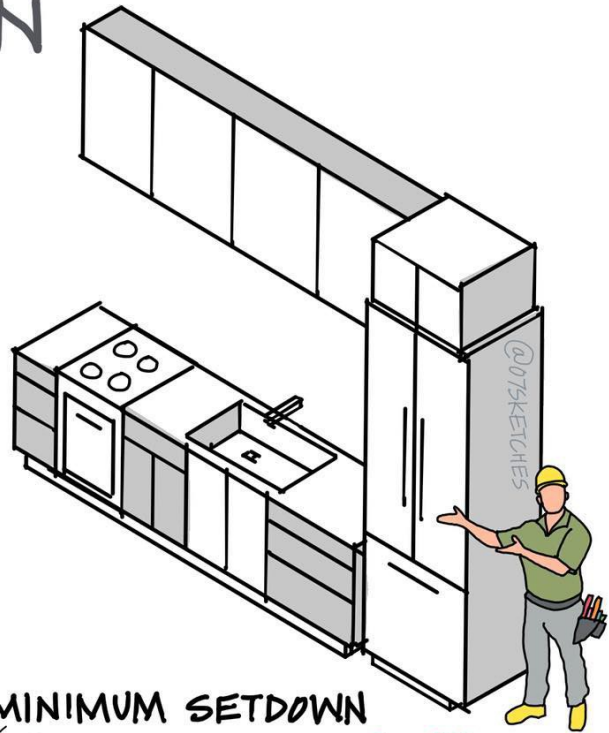
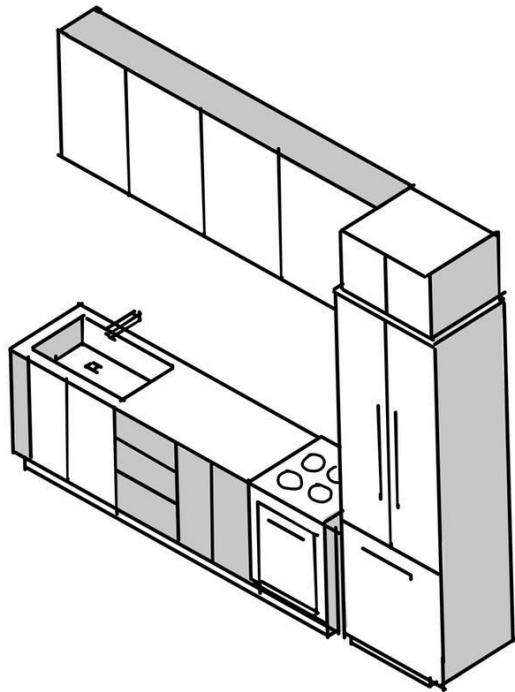
④ GLASS ROOF

concepts @07SKETCHES
CREATOR

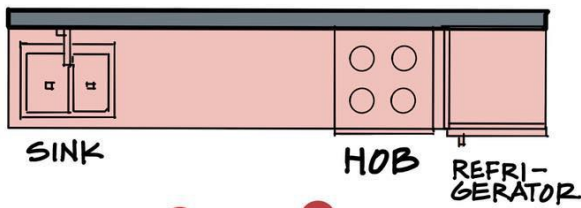
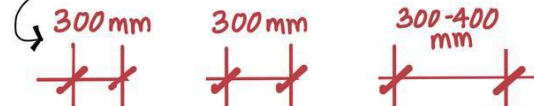
KITCHEN DESIGN @07SKETCHES



KITCHEN DESIGN



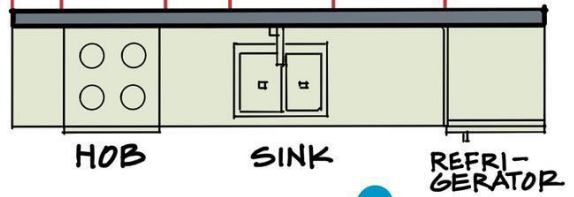
MINIMUM SETDOWN



SINK

HOB

REFRI-
GERATOR



HOB

SINK

REFRI-
GERATOR

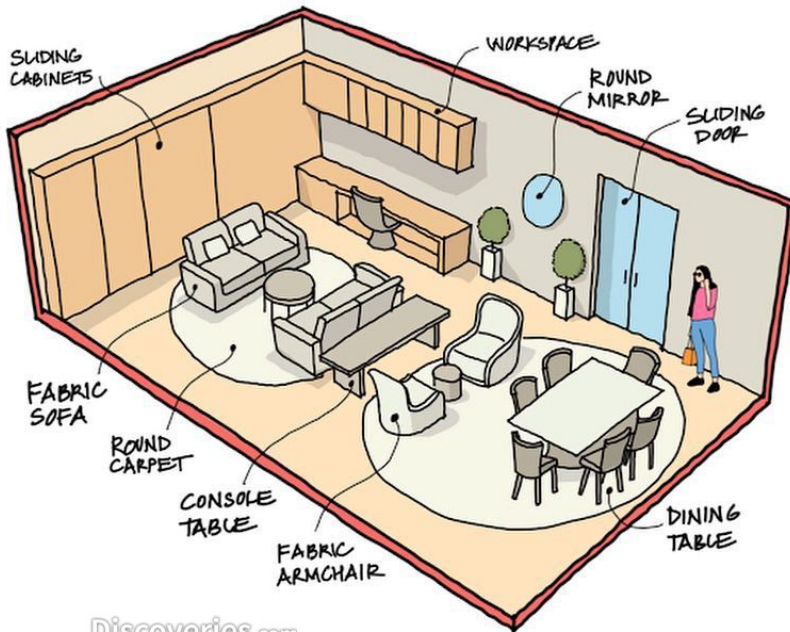
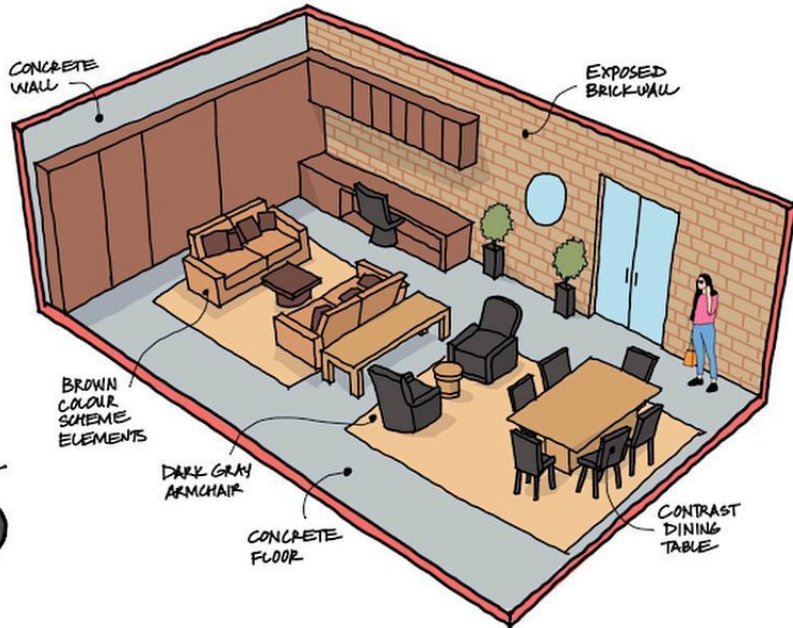
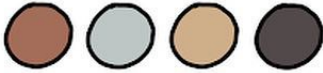
@OTSKETCHES

LIVING ROOM- INTERIOR DESIGN

@07SKETCHES

- ✓ EXPOSED BRICK WALL
- ✓ DARK COLOUR SCHEME

COLOUR SCHEME



- ✓ SLEEK
- ✓ LIGHT COLOUR SCHEME

COLOUR SCHEME

