

100mm DIA. VENTILATING STACKS TO TERMINATE IN OPEN AIR.
(REFER TO CLAUSE 4.3.6)
RECOMMENDED MINIMUM HEIGHT :

MIN 3m AWAY FROM ANY WINDOW OR BUILDING OPENING

GUARD

- (I) 150mm ABOVE HIGHEST SLOPING ROOF.
- (II) 150mm ABOVE THE PARAPET WALL OF FLAT ROOF.
- (III) 2.5m ABOVE ROOF AREAS DESIGNATED FOR COMMON USE.

ROOF

CONNECTION OF VENTILATING STACK TO DISCHARGE STACK AT A POINT NOT LESS THAN 150mm ABOVE THE SPILL OVER LEVEL OF THE TOP MOST SOIL SANITARY APPLIANCE OR FLOOR TRAP.

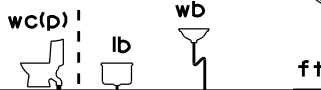


UPPER STOREY

50mm DIA. VENTILATING PIPE TO CONNECT TO VENTILATING PIPE ABOVE SPILL OVER LEVEL OF SOIL SANITARY APPLIANCE OR FLOOR TRAP.

CROSS VENTING TO BE PROVIDED:

- a) AT MID HEIGHT (for building up to 20 storey).
 - b) EVERY 10 storey (for building higher than 20 storey).
- See Drawing No. 3-21a for details.



THIRD STOREY

MIN 75mm DIA VENTILATING STACK

75mm DIA x 100mm DIA ADAPTOR



SECOND STOREY

MIN 100mm DIA DISCHARGE PIPE

MIN 100mm DIA DISCHARGE STACK

CROSS VENTING

MIN 225mm

NO DISCHARGE PIPE CONNECTION AT SHADED AREA

MIN 100mm DIA SECONDARY DISCHARGE STACK

FIRST STOREY

LEGEND :

- wc (p) — WATER CLOSET-PEDESTAL
- lb — LONG BATH
- wb — WASH BASIN
- ft — FLOOR TRAP
- fw — FLOOR WASTE
- u — URINAL
- ut — URINAL TRAP

Note: FOR BUILDING > 30 STOREY SIZE OF DISCHARGE STACK & VENTILATING STACK SHALL BE CALCULATED BASED ON BS EN12056-2.

TO INSPECTION CHAMBER
(TO SEE DRAWING NO. 3-22a)

ISSUED : MAR 2000

SCALES

REVIEWED : JAN 2019

NOT TO SCALE

FULLY VENTILATED SYSTEM
(WITH SECONDARY DISCHARGE STACK)
FOR ALL BUILDINGS

NPUB SINGAPORE'S NATIONAL WATER AGENCY

WATER RECLAMATION (NETWORK) DEPARTMENT

DRAWING NO. 3-16b