

NOTES

RECOMMENDATIONS FOR STAIRWAYS
"R" x "G" = 48000 TO 55000
"G" (GOING) 270 mm IDEAL SITUATION
"G" NOT LESS THAN 250mm
"R" (RISE) 175mm FOR USE BY GENERAL PUBLIC
"R" 190mm IDEAL USE AND NORMAL INDUSTRIAL USE
"R" NOT TO EXCEED 200mm
THE VARIATION IN "R" (RISE) IN ONE FLIGHT OF STAIRS IS NOT TO EXCEED 6mm.

GENERAL
THE DESIGN OF A STAIRWAY SHOULD BE GOVERNED BY FACTORS SUCH AS EASE OF ACCESS, FREQUENCY OF USE, STANDARD OF SAFETY REQUIRED AS WELL AS A SUSTAINABLE PROPORTION BETWEEN RISE AND GOING.

WIDTH
THE WIDTH OF THE STAIRWAY IS THE CLEAR DISTANCE MEASURED BETWEEN STRINGERS.
a) 750mm FOR STAIRWAYS USED FOR OCCASIONAL ACCESS TO PLANT PLATFORMS ETC.
b) 1000mm FOR MAIN STAIRWAYS USED FOR CONSTANT REGULAR TWO-WAY TRAFFIC.
c) 1100mm FOR STAIRWAYS USED FOR EMERGENCY ESCAPE ROUTES.

SLOPE
THE RECOMMENDED STAIRWAY SLOPES ARE:
a) 38° FOR MAIN STAIRWAYS USED FOR CONSTANT TWO-WAY TRAFFIC.
b) UP TO 42° FOR STAIRWAYS USED FOR OCCASIONAL ACCESS.
c) SLOPE BETWEEN 42° AND 50° ARE NOT RECOMMENDED FOR NORMAL USE, AND SHOULD BE ADOPTED ONLY IN EXCEPTIONAL CASES.

LANDING
MINIMUM LENGTH IS 900mm.
FOR FIRE ESCAPE AT LEAST 1100mm.

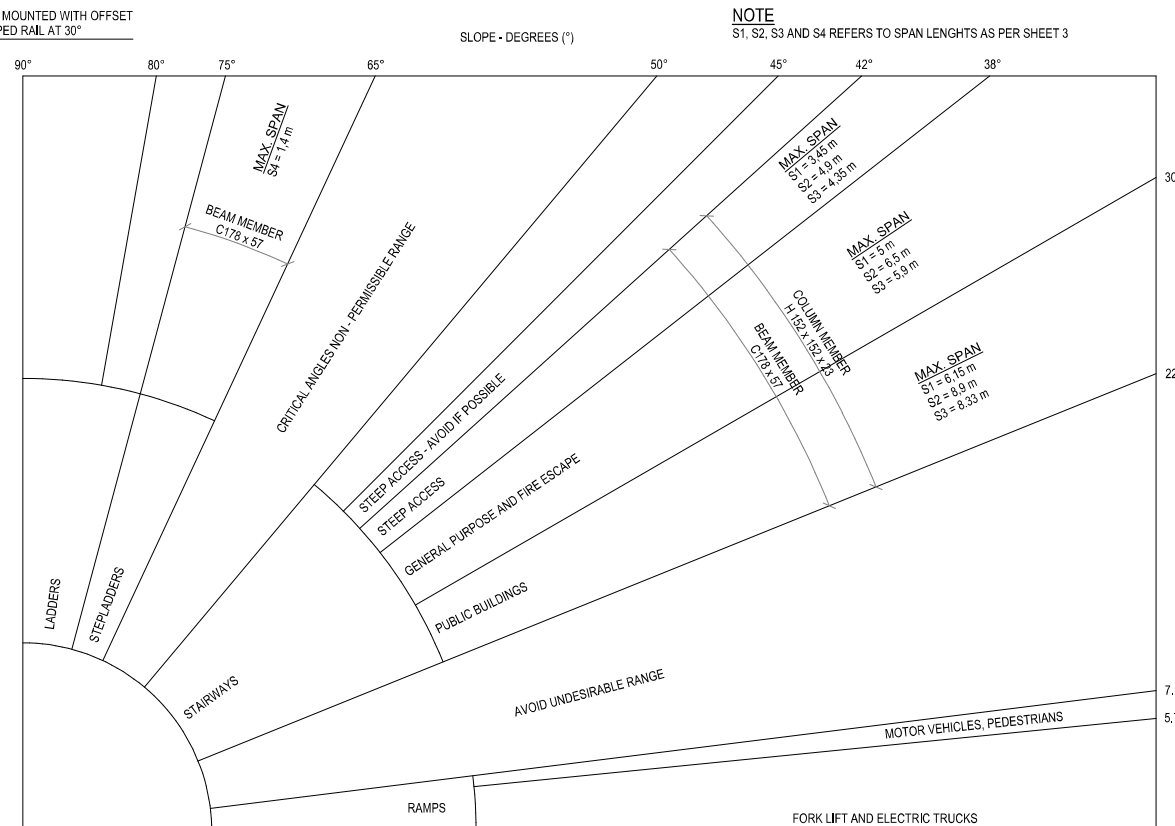


Table with 4 columns: Role, Name, Date, Signature. Includes ZUTARI CONSULTING ENGINEERS and client information.

Johannesburg Water logo and address: 17 HARRISON STREET MARSHALLTOWN 2107. Includes contact numbers: TEL: (011) 688-1400, FAX: (011) 688-1529.

Joburg logo and project title: HALFWAY HOUSE WATER UPGRADE. Includes sheet title: TYPICAL DETAILS - COMBINEED STEEL STAIRCASES SHEET 1 OF 3.

Approval and drawing information table. Includes sections for APPROVAL BY JW DEPOT, SCALE, AMENDMENTS, and DRAWING No. (111242 - 0000-DRG-SS-3002 - T0).