SUSPENDER LAYOUT
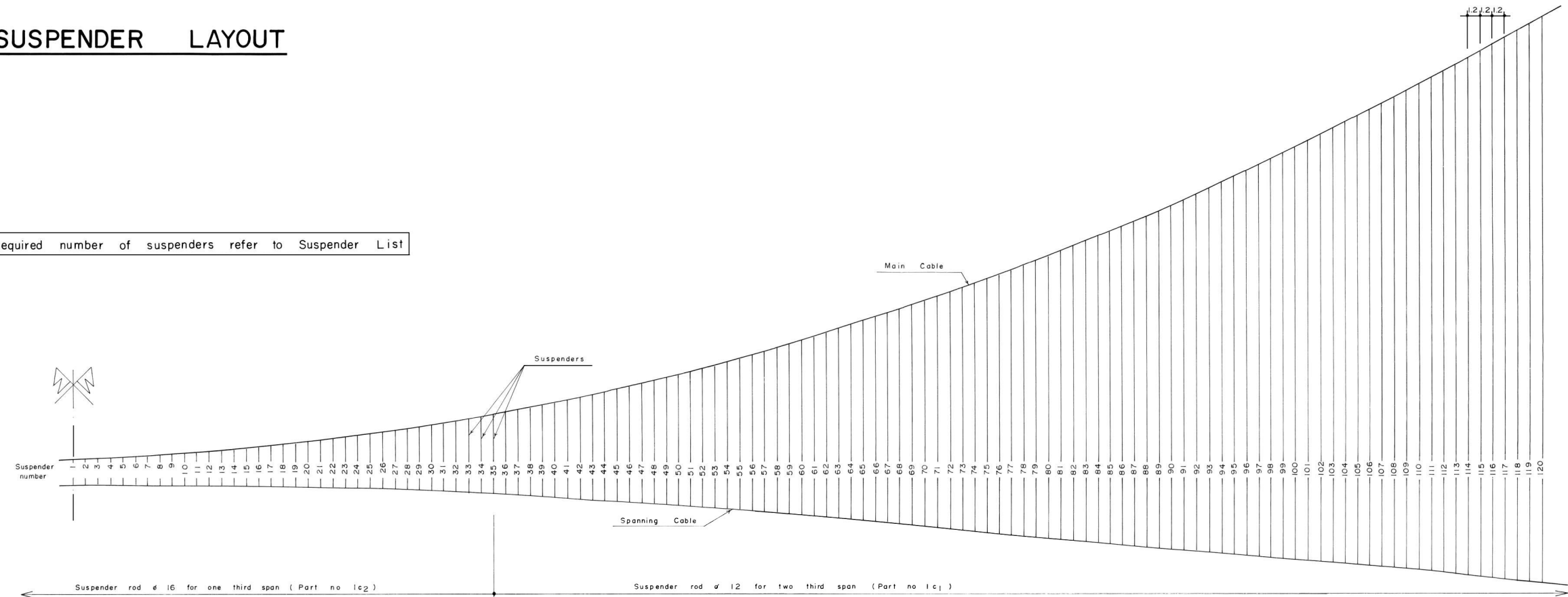
Required number of suspenders refer to Suspender List

Main Cable

Suspenders

Suspender number

Spanning Cable

Suspender rod ⌀ 16 for one third span (Part no 1c₂)   Suspender rod ⌀ 12 for two third span (Part no 1c₁)

DETAIL AT TOWER FOUNDATION

2300

1200   1200   1200   1100
(Can differ in case of irregular span)   (Can differ in case of irregular span)

Last suspender

Tower axis line

Steel deck
refer to drawing no. 08

Steel deck
Standard part

Steel deck
Standard part in case of regular distance
Special part in case of irregular distance

Last cross beam
(without suspender)

Steel deck
Standard part

200   200

300
(Can differ in case
of irregular span
minimum = 100)

Spanning Cable

150

TOWER HEIGHT

CAMBER

250

350

Assembly of steel deck

1) Fix all steel decks upto the last suspender.

2) Insert last steel deck in bearing , adjust last cross beam.
    Minimum bearing width is 10 cm.

3) Assemble second last steel deck. Use special part in case of irregular distance.
    Shorten it according to required length , then assemble.

BRIDGE SPAN