

STRESSES						
	$a_1$	$a_2$	Crown	$a_{12}$	$a_{13}$	
Concrete	+ 235	- 245	- 345	+ 220	+ 215	
Steel	Top	+ 3390	+ 3450	+ 4700	+ 3350	+ 3200
Steel	Bottom	- 500	- 950	- 1180	- 1050	- 800

Note: (+ denotes compression)

CASE I  
LIVE LOAD = 100 LBS. PER SQUARE FOOT OVER THE WHOLE SPAN

**CENTRAL VERMONT RAILWAY**  
**WINDOSKI VIADUCT**  
**STRESS DIAGRAM-CASE I**

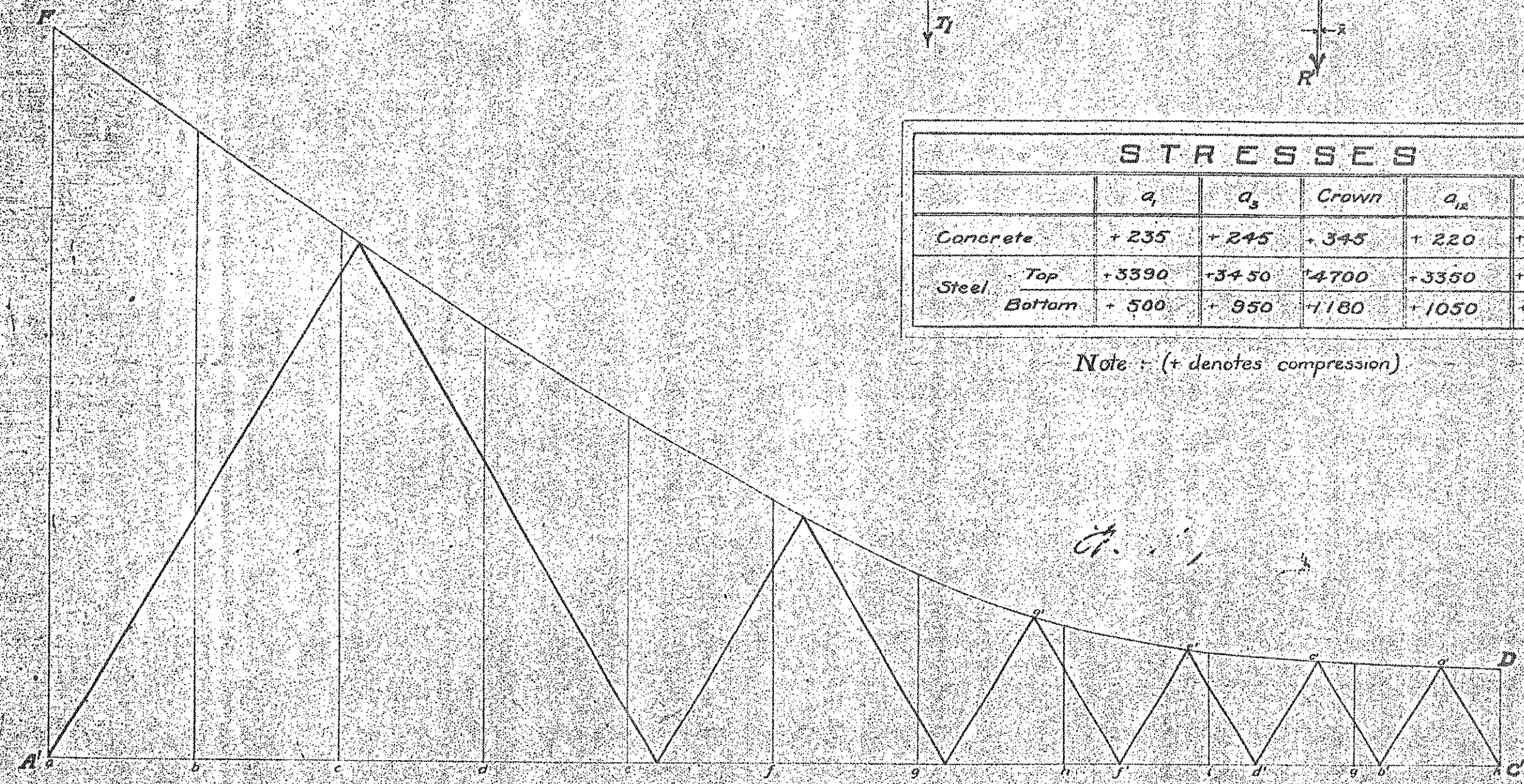
SCALES: — AS INDICATED

Office of Chief Engineer: G.T.R.

Montreal Nov. 1913

Examined *R. Amundson*  
Approved *H. H. ...*

Drawn by *J.S.P.*  
Traced by *H.H.B.*  
Checked by *N.S.C.*



THIS SHEET HAS BEEN REPRODUCED FROM ORIGINAL PLANS DATED JUNE 1913, ALL DETAILS HAVE BEEN SCALED DOWN FROM THE ORIGINAL SHEET SIZE AND ARE NO LONGER TO SCALE. THESE PLANS DO NOT INCLUDE THE STEEL SHORING COMPONENTS THAT HAVE BEEN ADDED TO THE STRUCTURE SINCE THE ORIGINAL CONSTRUCTION.