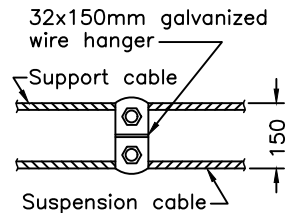


TABLE 1
Note 5


CABLE ATTACHMENT HEIGHT		
Span m	Attachment Height Suspension Cable m	x Cable Separation m
30	7.55	1.75
40	7.80	2.00
50	8.10	2.30
60	8.40	2.60
70	8.80	3.00

NOTES:

- Steel messenger cables shall be:
 - 9mm diameter Grade 160 support cable (required only on spans greater than 60m)
 - 9mm diameter Grade 160 suspension cable
 - 7mm diameter Grade 110 (minimum) stabilizing cable
- Attachment height shall be set to obtain the clearance height shown under CSA heavy loading conditions. Install suspension cable attachment height according to Table 1 and allow for deviations between pavement elevation and finished grade elevation at the pole. Install stabilizing cable at cable separation height according to Table 1.
- Cable shall be installed using the tension corresponding to the installation temperature as shown in OPSD 2245.010.
- Details shown are for Highway type signal heads, for larger signal heads increase the cable separation and suspension cable attachment height accordingly.
- Values shown in Table 1 shall be interpolated to obtain intermediate values.
- For orientation and location of signal heads and poles, refer to layout drawings.
- Strain insulators shall be used only for attachment to utility poles or poles with live cables installed above the suspension cable.
- When required, provide sufficient length of cable coils to allow signal head movement to suit construction stages.
- All dimensions are in millimetres unless otherwise shown.



DETAIL A

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2022	Rev 5	
AERIAL TRAFFIC SIGNAL INSTALLATION	-----		
OPSD 2540.010			