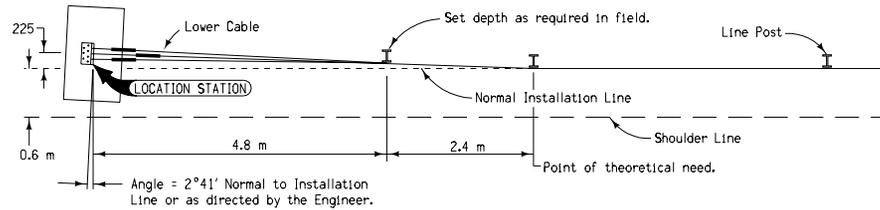
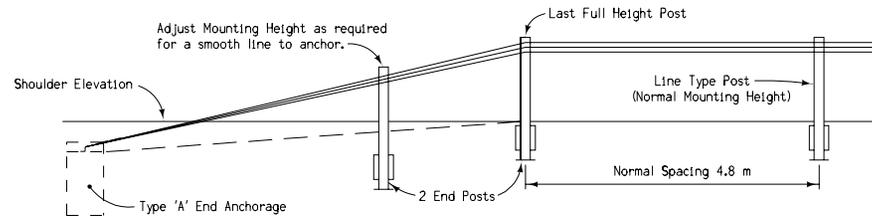


Anchor shall be cast in place with \bar{C} normal to line of guardrail. Excavation for anchor shall be to the neat lines indicated. Forms will be allowed only for the ends (the 600 mm dimension) of the anchor.



PLAN - 7.2 m ANCHORAGE SECTION



ELEVATION - TYPE 'A' END ANCHORAGE

Turnbuckles shall be of the open type and shall each provide for a minimum takeup of 300 millimeters.

The spring type compensating device is installed to maintain cable tension for various temperature conditions. This device shall provide for 125 millimeters minimum travel and have a spring rate of 80+ 10 newtons per millimeter. Turnbuckles are used to pretension each cable to the proper tension, depending on the temperature at the time of adjustment. The spring compression adjustments for various temperatures are listed in a table on this plan.

Turnbuckles and compensating devices shall each be equipped with adequate and proper bolts and fittings (to provide for use separately or in combination) to connect the guardrail cable to the end anchorage.

No welding of galvanized anchor angle and attached hardware is allowed.

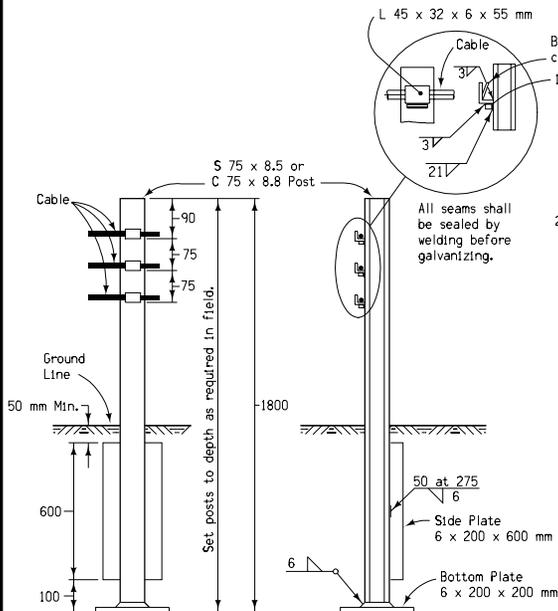
List of materials for the RE-29A Type Φ A Φ End Anchorage:

- 1 Anchor Angle and Hardware
- 0.9 cubic meters concrete
- 27 kilograms of reinforcing steel (approx.)
- 3 Cable End Assemblies

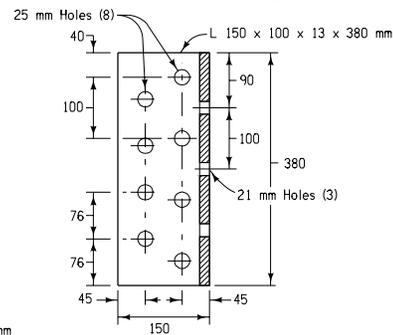
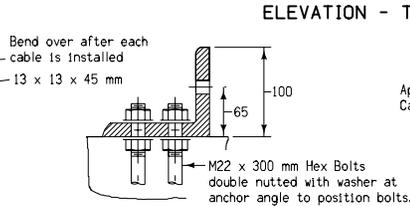
Contract Items:

- Installation of Guardrail
- Guardrail, End Anchorage, Cable, RE-29A

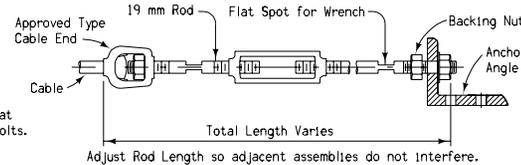
Tabulation: 108-9



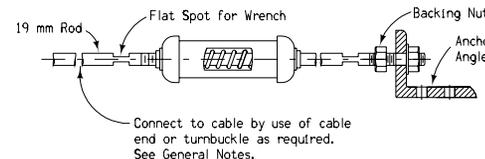
DETAILS OF END POST



ANCHOR ANGLE



(TURNBUCKLE)
TYPICAL CABLE END ASSEMBLY



(SPRING TYPE COMPENSATING DEVICE)
TYPICAL CABLE END ASSEMBLY

CABLE TENSION ADJUSTMENTS FOR TEMPERATURE VARIATIONS														
Temperature Range Degrees Celsius	T \geq 43	43 > T \geq 38	38 > T \geq 32	32 > T \geq 27	27 > T \geq 21	21 > T \geq 16	16 > T \geq 10	10 > T \geq 4	4 > T \geq -1	-1 > T \geq -7	-7 > T \geq -12	-12 > T \geq -18	-18 > T \geq -23	-23 > T \geq -29
Spring Compression mm*	25	32	38	44	51	57	64	70	76	83	89	95	102	108

* From the unloaded position in each spring

All dimensions given in millimeters unless noted.

M METRIC VERSION		REVISION 12 04-17-07
		RE-29A SHEET 1 of 1
	STANDARD ROAD PLAN	
	<i>Deanna Mayfield</i> APPROVED BY DESIGN METHODS ENGINEER	
TYPE 'A' ANCHORS FOR CABLE GUARDRAIL		