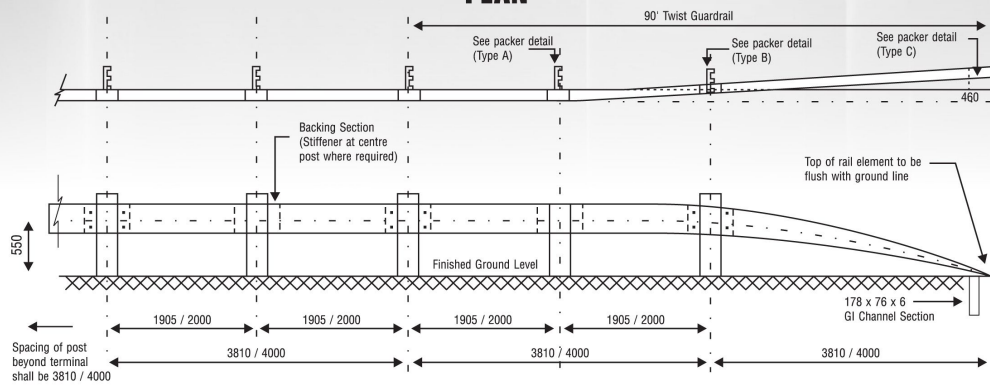
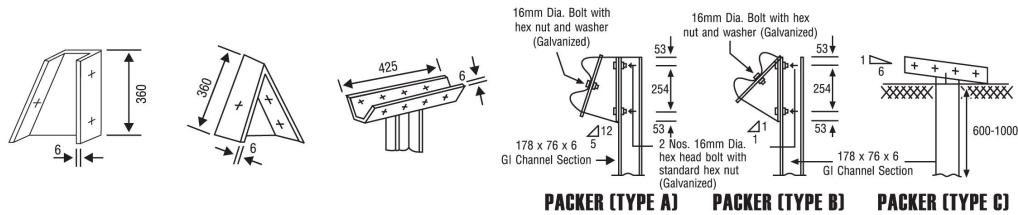


90° TWIST TERMINAL ANCHORAGE UNIT (TYPE 3)

PLAN

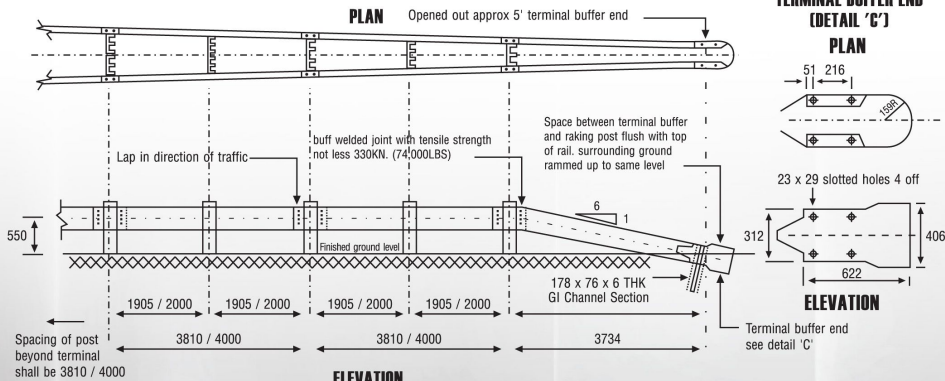


ELEVATION



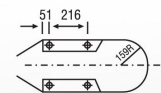
TERMINAL SECTION 1:6 (TYPE 4)

PLAN

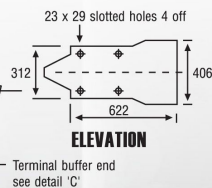


TERMINAL BUFFER END (DETAIL 'C')

PLAN



ELEVATION



ROAD MASTER



HIGHWAY GUARDRAIL

- > To Provide Railing Protection To Motor Vehicle At Dangerous Road Area Such As
 - ✓ Steep Slope
 - ✓ Obscure Curve/Bend
 - ✓ High Embankment
 - ✓ Sharp Corner
- > To Absorb Sudden Impact During Collision Thus Minimise Injury To Vehicle And Passenger.
- > To Act As Directional Railing For Vehicle Moving In The Right Direction.
- > To Act As A Median Barrier For Avoiding Head On Collision.
- > To Act As A Protective Barrier For Pedestrian Along The Highway.

COLFORM SDN. BHD. (605945-H)

SANDAKAN BRANCH

Lot 197, Lorong Sedco 5, Sedco Light Industrial Estate,
Off Mile 2.5, Jalan Utara, Sandakan, Sabah, Malaysia.
P. O. Box 1166, 90713 Sandakan, Sabah, Malaysia.
Tel: +6089-238 833, 089-272 323 Fax: +6089-278 530

KOTA KINABALU BRANCH

Lot 8, Jalan 2A KKIP Timur, Industrial Zone 12 (IZ12),
Kota Kinabalu Industrial Park (KKIP),
88460 Kota Kinabalu, Sabah, Malaysia.
Tel: +6088-472 221 / 016-843 8914



Another
quality product
from



SPECIFICATION AND TECHNICAL DATA

1) W Beam Sections:

Minimum Yield Strength: 345 MPa
Minimum Tensile Strength: 483 MPa
Minimum Elongation: 12%

2) End and Buffer Sections:

Minimum Yield Strength: 227 MPa
Minimum Tensile Strength: 310 MPa

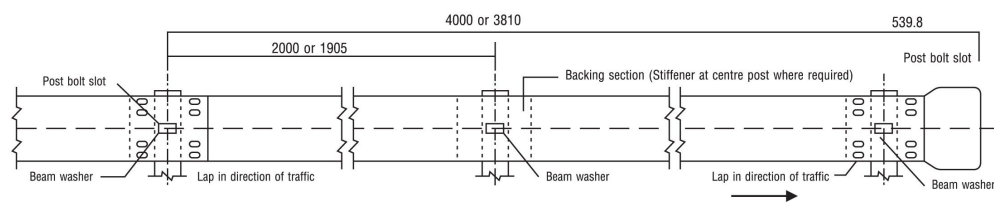
3) Galvanizing and thickness specification:

- Galvanizing specification comply to: AASHTO DESIGNATION: M 111M/ M 111-09
- Type II: Zinc-coated, 1100g/m2 minimum single spot
- Class A: Base metal nominal thickness - 2.67mm

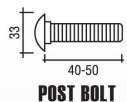
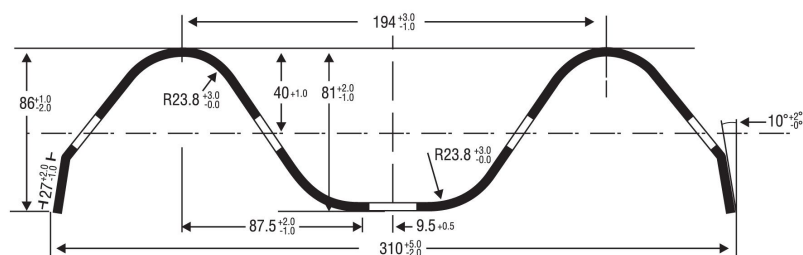
4) COLFORM Guardrail dimension comply to AASHTO M 180 : 2012

Type	Erection Length (MM)	Overall Length (MM)	Nominal Uncoated / Thickness (MM)	Weight (KG)
1	3810	4128	2.67	44.0
2	4000	4318	2.67	46.0

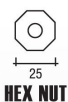
SECTION THROUGH BEAM



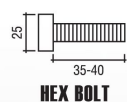
RAIL SECTION



POST BOLT



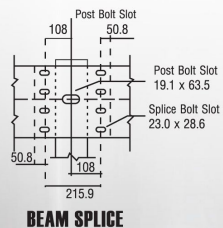
HEX NUT



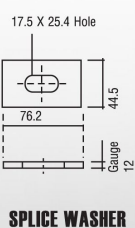
HEX BOLT



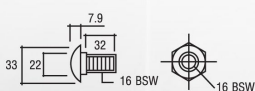
ROUND WASHER



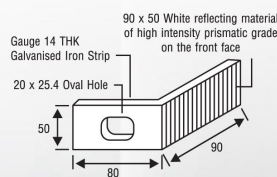
BEAM SPLICE



SPLICE WASHER

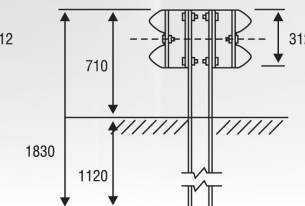
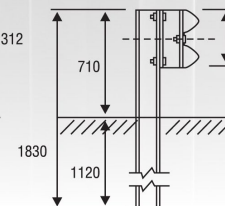
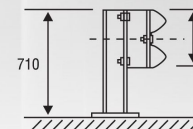
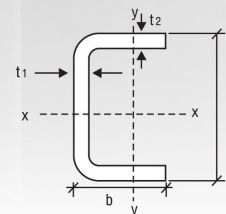


SPLICE BOLT & NUT



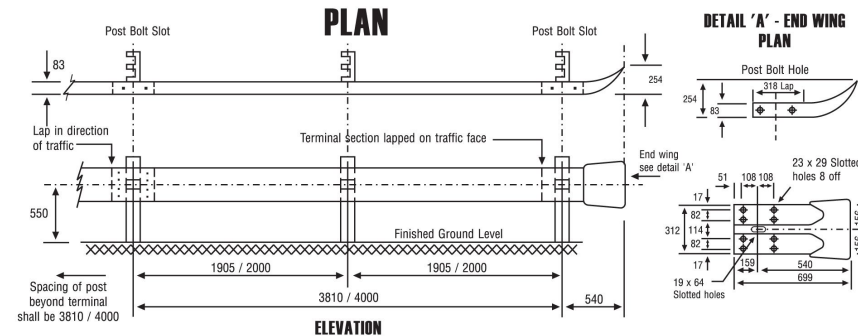
DELINEATOR STRIP

GUARDRAIL U POST



H x b x t2 x t1 (mm)	Unit Weight (kg/m)	Section Area (cm²)	Moment of Inertia		Section Modulus	
			1x (cm4)	1y (cm4)	Sx (cm³)	Sy (cm³)
CP178 x 76 x 6 x 6	14.3	19.08	903.5	102.5	101.5	52.0

TERMINAL UNIT (TYPE 1)



TERMINAL ANCHORAGE UNIT OF FLARE END (TYPE 2)

