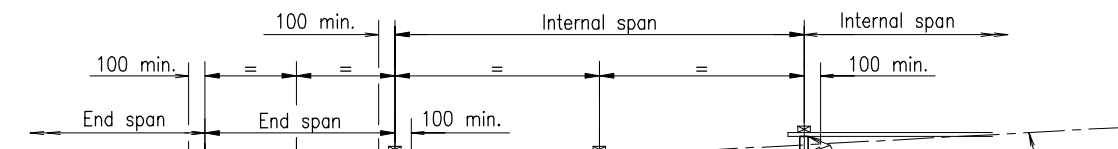
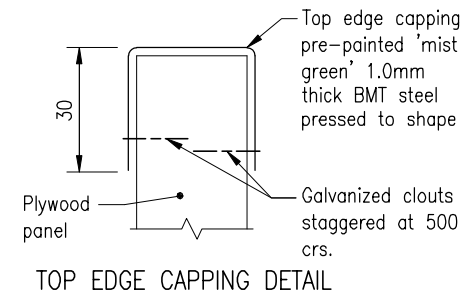


PLAN - STAGGERED LAYOUT
All other details similar to sawtooth layout

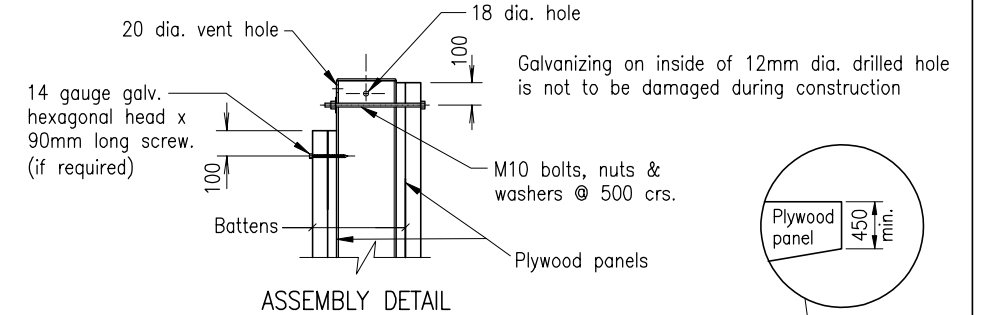


PLAN - SAWTOOTH LAYOUT

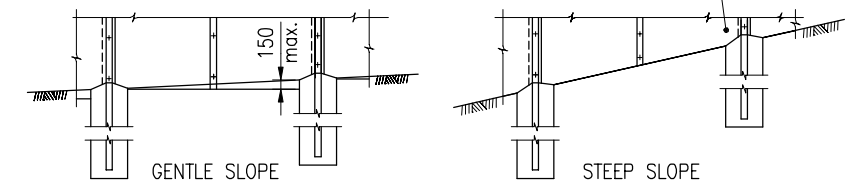
Post identification to be visible from non road side
75 x 38 rough sawn or 70 x 35 DAR preservative treated softwood battens
DIRECTION OF TRAFFIC →
Full height acoustic seal as specified in MRS11.15
Setting out line



TOP EDGE CAPPING DETAIL



ASSEMBLY DETAIL



BARRIER TREATMENT ON SLOPES

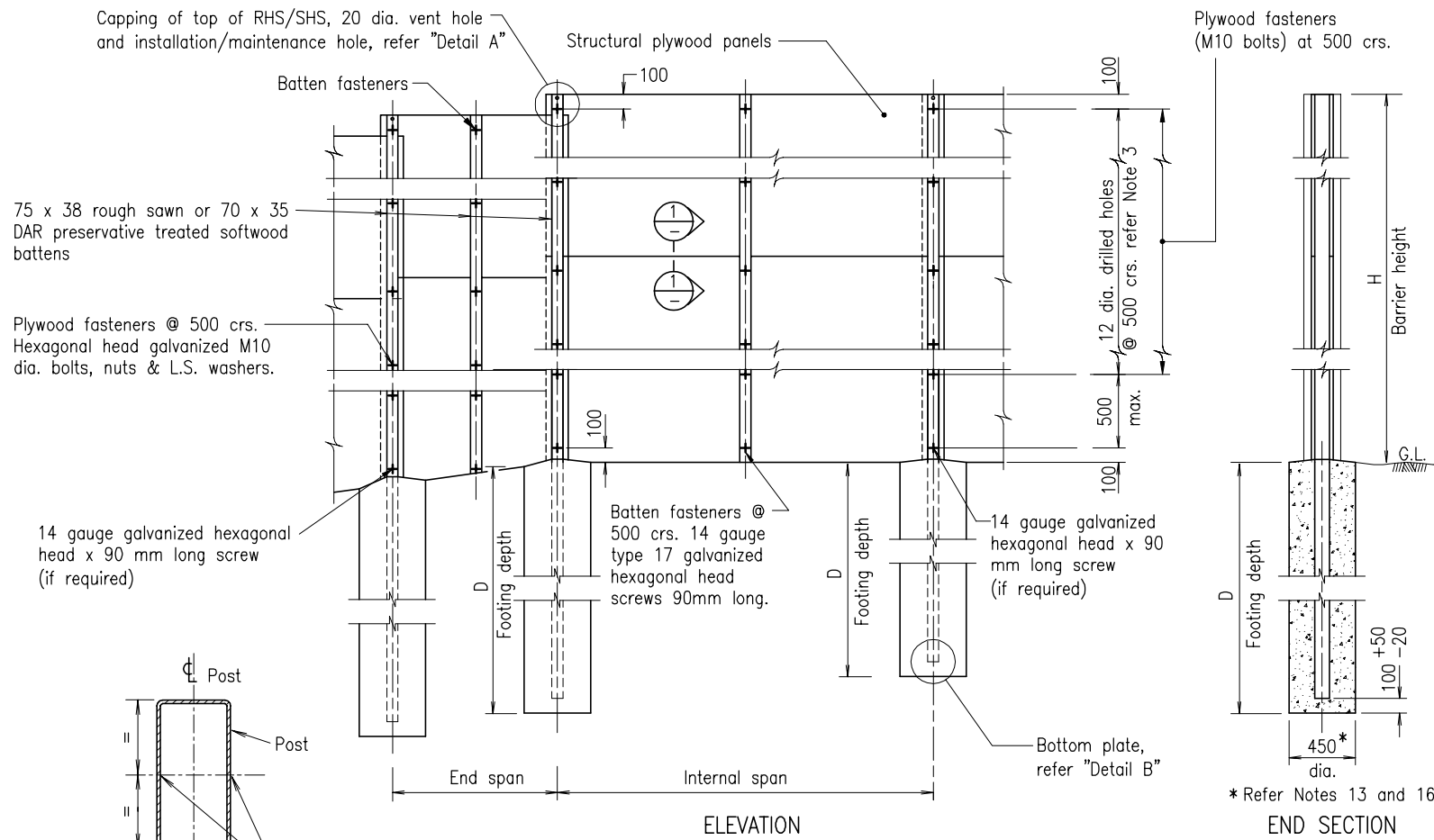
NOTES:

- ALL DIMENSIONS to be verified on site by Contractor before fabrication of steel posts.
- POSTS to be RHS/SHS grade 350 to AS 1163.
- ALL HOLES IN POSTS shall be drilled prior to hot dip galvanizing to AS/NZS 4680.
- ALL STEEL POSTS shall be identified by welding (or by other method approved by the Superintendent) the barrier label and post number on the barrier post. This shall be carried out prior to galvanizing and shall be clearly visible after galvanizing. eg. [B2] ie. Barrier B, Post No. 2.
- POSTS to have weld splatter and welding slag removed prior to hot dip galvanizing to AS/NZS 4680.
- STEEL PLATES to be Grade 250 to AS/NZS 3678.
- WELDING SYMBOLS are to AS 1103.3. Welding to be to AS/NZS 1554.1.
- SCREWS shall be self tapping 14 gauge Type 17 and 14 gauge hexagon head as specified in MRS11.15 Noise Barriers.
- WASHERS for screws shall be 32mm OD Dekfast Part No. DS332145 metal/bonded washers or approved equivalent. The support material shall be 1mm galvanized steel or approved equivalent and the moulded material shall be EPDM Polymer.
- BOLTS to be grade 4.6 to AS/NZS 1111, nuts to be grade 5 to AS/NZS 1112 and LS washers to AS 1237.
- BOLTS AND NUTS to be hot dip galvanized to AS 1214 and washers to be hot dip galvanized to AS/NZS 4680 unless shown otherwise.
- M10 BOLTS to be positioned so that the head is on the road face side of the noise barrier.
- FOOTING DIAMETER shall be 450mm unless shown otherwise.
- PLYWOOD shall be stress grade F14 or better to AS/NZS 2269 and shall be treated to hazard level 4 (H4) if in contact with the ground and to hazard level 3 (H3) elsewhere.
- TIMBER BATTENS shall be structural sawn softwood F5 or better to AS/NZS 1748 or AS 2858 and treated to hazard level 4 (H4).
- CONCRETE GRADE to be N25/20. 45mm min. concrete cover to steel posts.
- EXPOSED HOLES IN POSTS shall be filled with silicon prior to post erection.
- DETAILS to be shown elsewhere in the documents:
Layout type
Barrier height H
RHS and SHS post sizes
Plywood thickness
Extension mounting holes
Drainage slot details
Span lengths: End span and internal span
Footing depths D
Footing diameter if not standard 450mm
Barrier labels and post numbers
Design permissible wind speed (Vzp)
- DIMENSIONS are in millimetres unless shown otherwise.

ASSOCIATED DOCUMENTS:
Department of Main Roads Manual of Standard Drawings Roads
Department of Main Roads Manual of Standard Specifications Roads

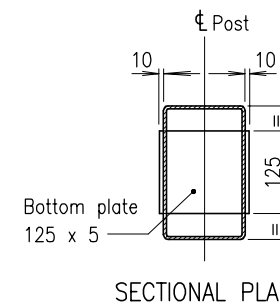
REFERENCED DOCUMENTS:
Standard Specifications:
MRS11.15 Noise Barriers

| | | | |
|--|--|----------|------------|
| NOISE BARRIERS | | | |
| STRUCTURAL DETAIL RHS AND SHS STEEL POSTS PLYWOOD PANELS | | Size A3 | Drawing No |
| | | Scales | 1606 |
| | | as shown | Date 4/04 |
| | | A | B |

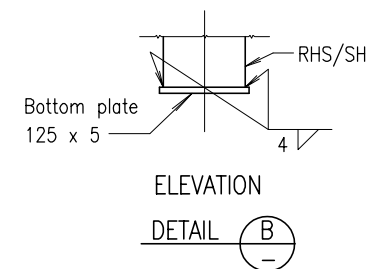


BARRIER ASSEMBLY DETAIL

SECTION 1



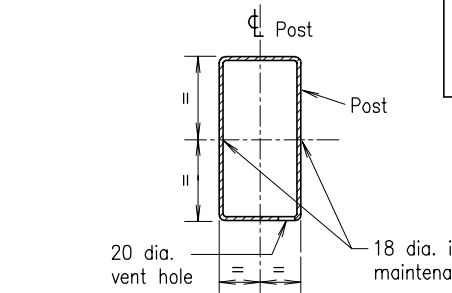
SECTIONAL PLAN



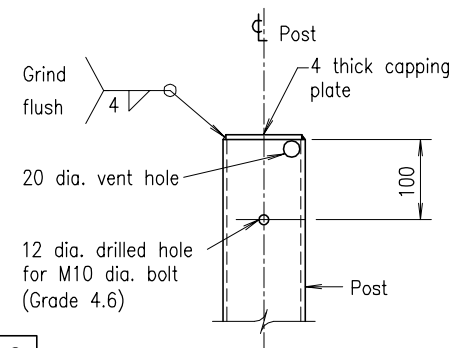
ELEVATION

DETAIL B

* Refer Notes 13 and 16

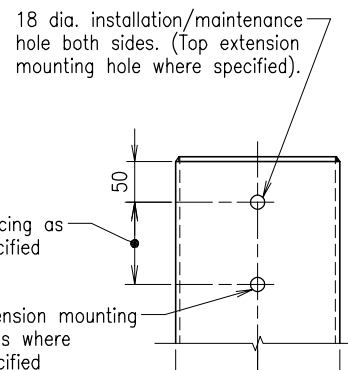


SECTIONAL PLAN

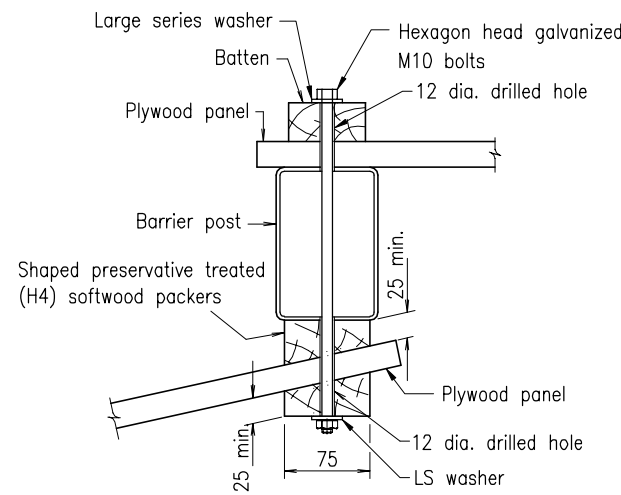


ELEVATION

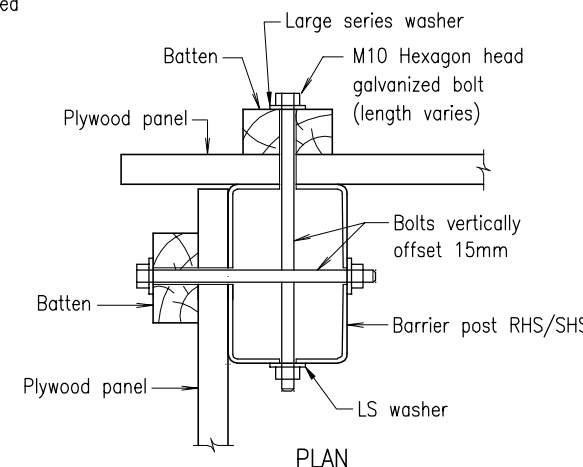
DETAIL A



SIDE ELEVATION



PLAN
DETAIL AT ANGLED CONNECTIONS



PLAN
DETAIL AT RIGHT ANGLED CONNECTIONS