CHART C.1 - OPTIMAST POSTS - REGION C: SIGN AREA (A x B) $\leq 10m^2$ OPTIMAST POSTS NOTES No. OF POSTS FOR SIGNS NOT LOCATED WITHIN THE JURISDICTION OF THE QUEENSLAND GOVERNMENT DEPARTMENT OF TRANSPORT AND MAIN ROADS, THESE DESIGN CHARTS ARE NOT VALID. REFER TO AS 1742.2 OR TO RELEVANT STATE 3 4 AUTHORITY GUIDES FOR SIGN SUPPORTS OUTSIDE THE SCOPE OF THE DESIGN CHARTS. THESE DESIGN CHARTS ARE BASED ON DESIGN WIND SPEEDS ADOPTED IN THE QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS WHICH HAVE HIGHER PROBABILITY OF EXCEEDANCE THAN THOSE DERIVED FROM AS1170.2. ON UNEVEN GROUND H = HEIGHT OF THE TALLEST POST. 244 CHARTS ARE BASED ON PARTIALLY SHIELDED TERRAIN SUCH AS SUBURBAN HOUSING, INDUSTRIAL AREAS OR DENSE FOREST (AS1170.2 TERRAIN CATEGORY 3). FOR SIGNS IN EXPOSED LOCATIONS PRONE TO HIGHER WIND SPEEDS SUCH AS OPEN GRASSLAND, ISOLATED TREES (AS1170.2 TERRAIN CATEGORY 2) OR WHERE POST COLLAPSE IS MORE HAZARDOUS THAN NORMAL SITUATIONS, USE CHARTS WITH SELECTION OF NEXT POST SIZE UP OR AN ADDITIONAL 219 FOR LARGER SIGNS, REFER TO CHARTS C.2 AND C.3. REFER TO QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS FOR FOOTING SIZES. USE FOOTING SIZES APPLICABLE TO THE H'(mm) =SAME DIAMETER STEEL POST. CHARTS ASSUME THAT DIMENSION 'A' IS NO MORE THAN FIVE (5) TIMES DIMENSION "B". IF A IS GREATER THAN 5xB H + |B/2|modern and my CONTACT SUPPLIER FOR DESIGN ADVICE. WHERE SIGNAGE ASSEMBLIES ARE TO COMPLY WITH THE APPROVED TECHNICAL CONDITIONS OF USE FOR 219 FRANGIBILITY, THE SIGN GEOMETRY IS TO COMPLY WITH THE FOLLOWING MINIMUM POST HEIGHTS (H+B): OPTIMAST 127 = 2.4m, OPTIMAST 168/OPTIMAST 219/OPTIMAST 244 = 4.6m SINGLE POST SIGN SUPPORTS MUST ONLY BE USED WHERE THE SIGN ATTACHMENT RESISTS ROTATION AND IS IN ACCORDANCE WITH STATE AUTHORITY GUIDELINES. WHERE SIGNAGE ASSEMBLIES ARE TO COMPLY WITH THE APPROVED TECHNICAL CONDITIONS OF USE FOR FRANGIBILITY, THE SIGN GEOMETRY IS TO COMPLY WITH THE FOLLOWING MINIMUM POST HEIGHTS (H+B): OPTIMAST 127 = 2.4m, OPTIMAST 168/OPTIMAST 219/OPTIMAST 244 = 4.6m 10. REFER TO THE OPTIMAST PRODUCT MANUAL FOR ADDITIONAL TECHNICAL INFORMATION. 219 168 244 168 219 168 219 168 127 168 127 127 127 127 4 5 6 9 10 SIGN AREA (A x B)m²

CHART C.2 - OPTIMAST POSTS - REGION C: SIGN AREA (A x B) $\leq 28m^2$ OPTIMAST POSTS **NOTES** No. OF POSTS FOR SIGNS NOT LOCATED WITHIN THE JURISDICTION OF THE QUEENSLAND GOVERNMENT DEPARTMENT OF TRANSPORT AND MAIN ROADS, THESE DESIGN CHARTS ARE NOT VALID. REFER TO AS 1742.2 OR TO RELEVANT STATE 2 3 4 AUTHORITY GUIDES FOR SIGN SUPPORTS OUTSIDE THE SCOPE OF THE DESIGN CHARTS. THESE DESIGN CHARTS ARE BASED ON DESIGN WIND SPEEDS ADOPTED IN THE QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS WHICH HAVE HIGHER PROBABILITY OF EXCEEDANCE THAN THOSE DERIVED FROM AS1170.2. ON UNEVEN GROUND H = HEIGHT OF THE TALLEST POST. CHARTS ARE BASED ON PARTIALLY SHIELDED TERRAIN SUCH AS SUBURBAN HOUSING, INDUSTRIAL AREAS OR DENSE FOREST (AS1170.2 TERRAIN CATEGORY 3), FOR SIGNS IN EXPOSED LOCATIONS PRONE TO HIGHER WIND SPEEDS SUCH AS OPEN GRASSLAND, ISOLATED TREES (AS1170.2 TERRAIN CATEGORY 2) OR WHERE POST COLLAPSE IS MORE HAZARDOUS THAN NORMAL SITUATIONS, USE CHARTS WITH SELECTION OF NEXT POST SIZE UP OR AN ADDITIONAL FOR SMALLER SIGNS, REFER TO CHARTS C.1, FOR LARGER SIGNS, REFER TO CHARTS C.3. REFER TO QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS FOR FOOTING SIZES. USE FOOTING SIZES APPLICABLE TO THE $H'(m\dot{m}) =$ SAME DIAMETER STEEL POST. CHARTS ASSUME THAT DIMENSION 'A' IS NO MORE THAN FIVE (5) TIMES DIMENSION "B", IF A IS GREATER THAN 5xB H + B/2CONTACT SUPPLIER FOR DESIGN ADVICE. my many WHERE SIGNAGE ASSEMBLIES ARE TO COMPLY WITH THE APPROVED TECHNICAL CONDITIONS OF USE FOR FRANGIBILITY, THE SIGN GEOMETRY IS TO COMPLY WITH THE FOLLOWING MINIMUM POST HEIGHTS (H+B): OPTIMAST 127 = 2.4m, OPTIMAST 168/OPTIMAST 219/OPTIMAST 244 = 4.6m SINGLE POST SIGN SUPPORTS MUST ONLY BE USED WHERE THE SIGN ATTACHMENT RESISTS ROTATION AND IS IN ACCORDANCE WITH STATE AUTHORITY GUIDELINES. WHERE SIGNAGE ASSEMBLIES ARE TO COMPLY WITH THE APPROVED TECHNICAL CONDITIONS OF USE FOR FRANGIBILITY, THE SIGN GEOMETRY IS TO COMPLY WITH THE FOLLOWING MINIMUM POST HEIGHTS (H+B): OPTIMAST 127 = 2.4m, OPTIMAST 168/OPTIMAST 219/OPTIMAST 244 = 4.6m REFER TO THE OPTIMAST PRODUCT MANUAL FOR ADDITIONAL TECHNICAL INFORMATION. H = 5100 H = 4500 244 219 H' = 3300 219 H' = 2700 244 H' = 2100 168 219 244 168 219 127 219 168 127 168 REFER TO CHART C. 18 SIGN AREA (A x B)m²

