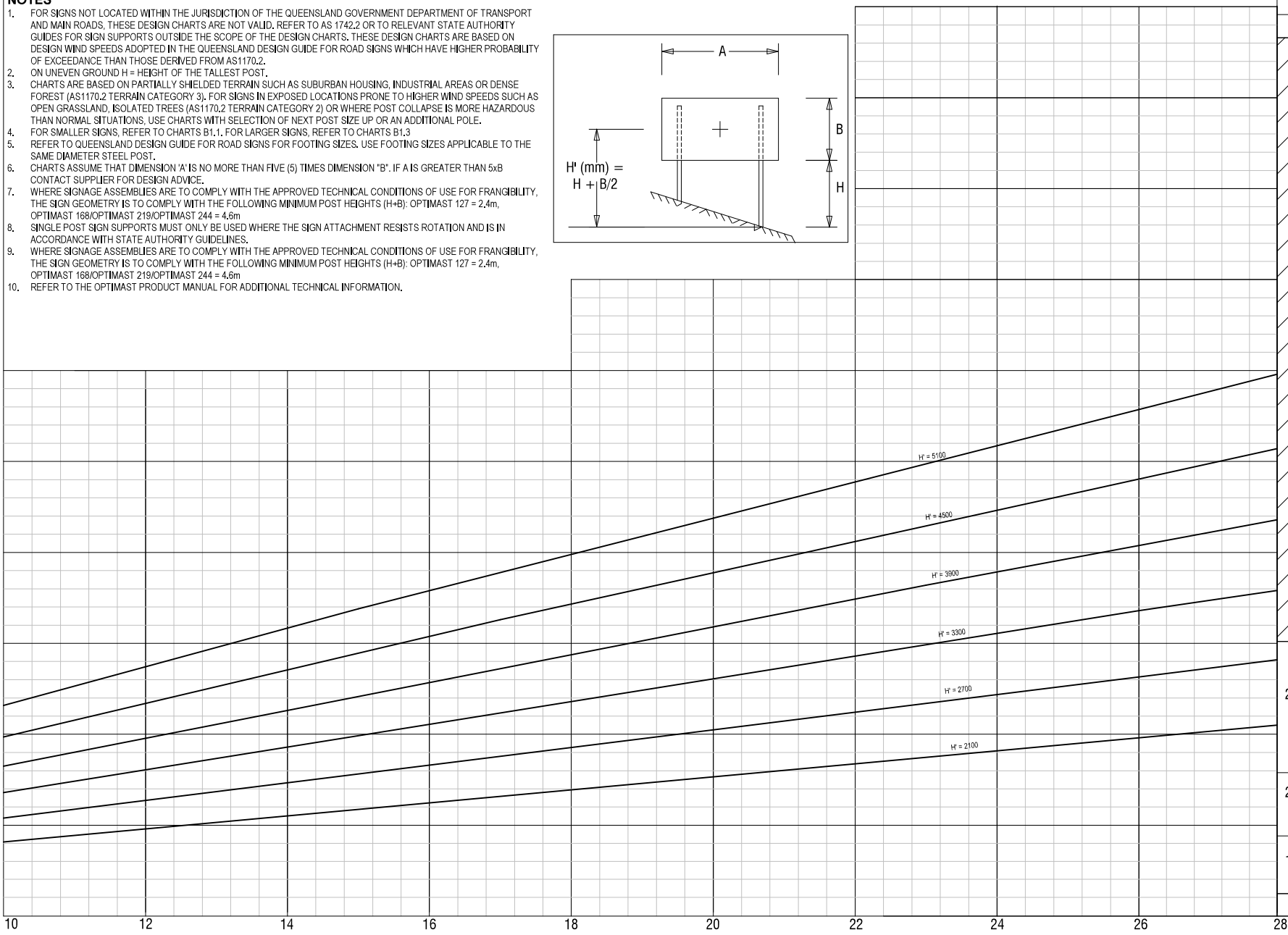
CHART B1.2 - OPTIMAST POSTS - REGION B1: SIGN AREA (A x B) ≤ 28m²

NOTES

1. 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 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.
2. ON UNEVEN GROUND H = HEIGHT OF THE TALLEST POST.
3. 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 POLE.
4. FOR SMALLER SIGNS, REFER TO CHARTS B1.1. FOR LARGER SIGNS, REFER TO CHARTS B1.3
5. REFER TO QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS FOR FOOTING SIZES. USE FOOTING SIZES APPLICABLE TO THE SAME DIAMETER STEEL POST.
6. CHARTS ASSUME THAT DIMENSION 'A' IS NO MORE THAN FIVE (5) TIMES DIMENSION "B". IF A IS GREATER THAN 5xB CONTACT SUPPLIER FOR DESIGN ADVICE.
7. 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
8. SINGLE POST SIGN SUPPORTS MUST ONLY BE USED WHERE THE SIGN ATTACHMENT RESISTS ROTATION AND IS IN ACCORDANCE WITH STATE AUTHORITY GUIDELINES.
9. 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.



OPTIMAST POSTS

No. OF POSTS

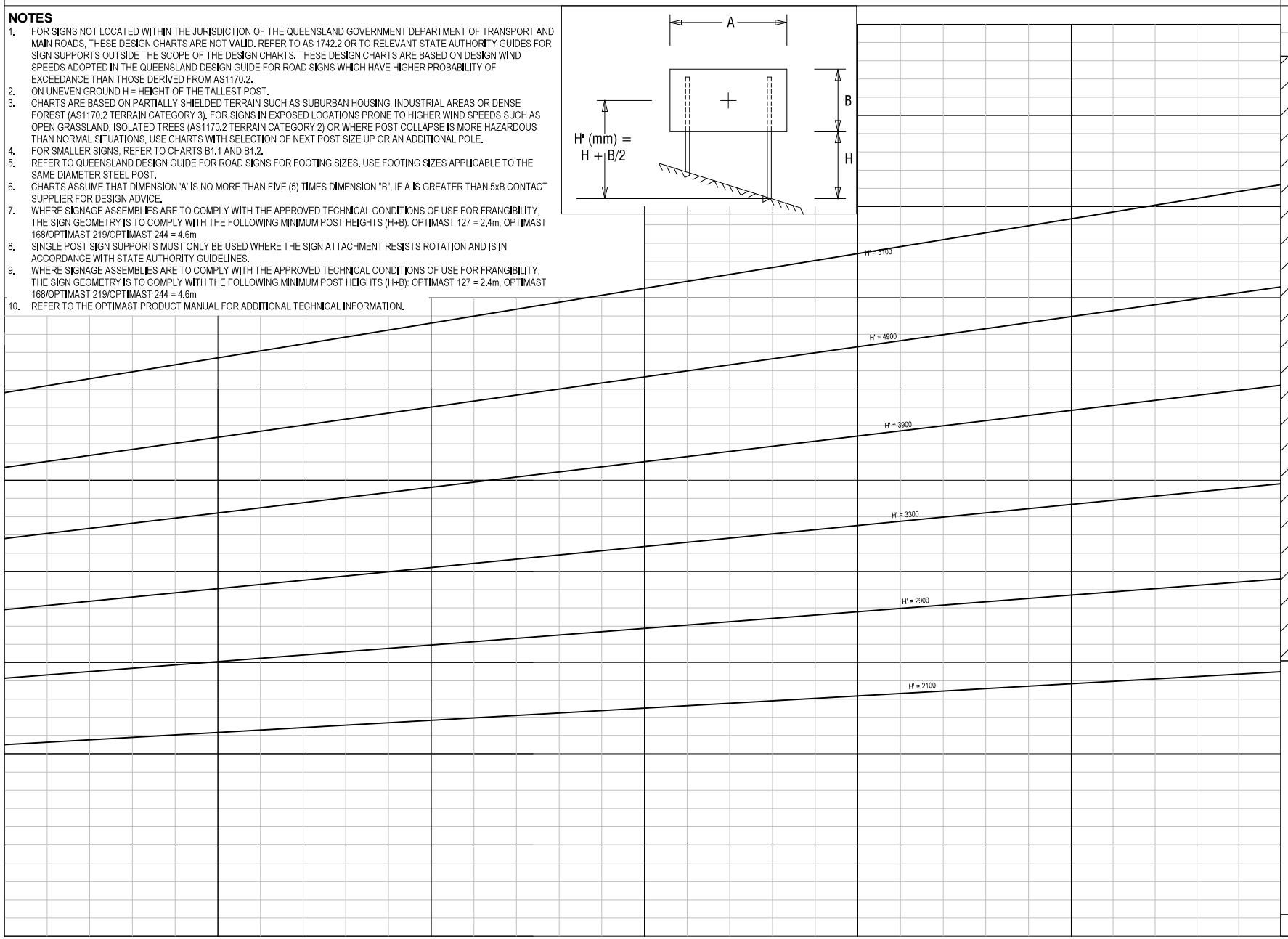
1	2	3	4	5
				244
			244	
		244		219
	244		219	
244		219		168
	219		168	
219		168		127
	168		127	
168		127		
	127			

REFER TO CHART B1.1

CHART B1.3 - OPTIMAST POSTS - REGION B1: SIGN AREA (A x B) ≤ 40m²

NOTES

1. 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 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.
2. ON UNEVEN GROUND H = HEIGHT OF THE TALLEST POST.
3. 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 POLE.
4. FOR SMALLER SIGNS, REFER TO CHARTS B1.1 AND B1.2.
5. REFER TO QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS FOR FOOTING SIZES. USE FOOTING SIZES APPLICABLE TO THE SAME DIAMETER STEEL POST.
6. CHARTS ASSUME THAT DIMENSION 'A' IS NO MORE THAN FIVE (5) TIMES DIMENSION "B". IF A IS GREATER THAN 5xB CONTACT SUPPLIER FOR DESIGN ADVICE.
7. 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
8. SINGLE POST SIGN SUPPORTS MUST ONLY BE USED WHERE THE SIGN ATTACHMENT RESISTS ROTATION AND IS IN ACCORDANCE WITH STATE AUTHORITY GUIDELINES.
9. 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.

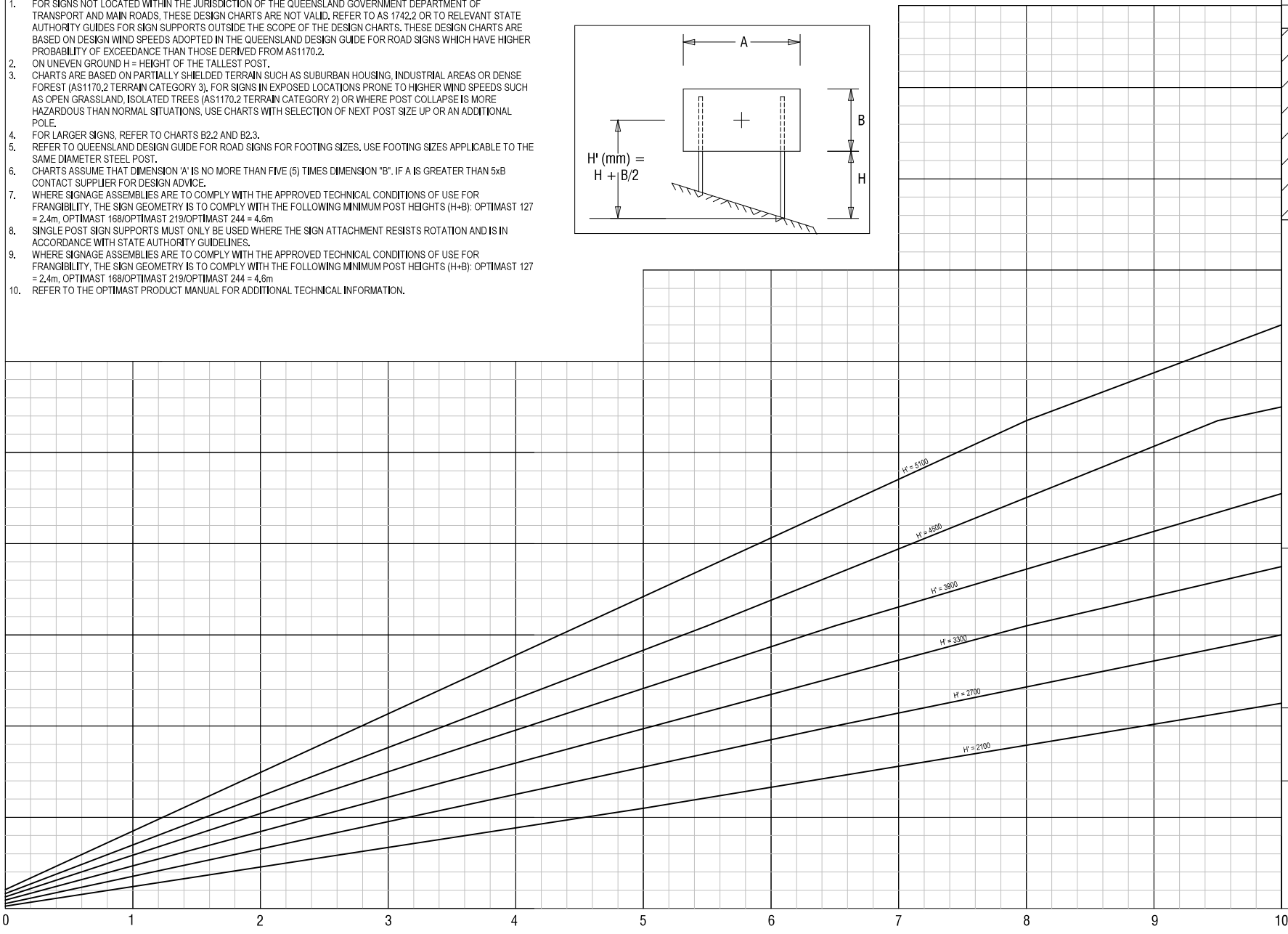


OPTIMAST POSTS				
No. OF POSTS				
1	2	3	4	5
				244
			244	
		244		219
	244		219	
		219		168
244			168	
	219	168		127
			127	
REFER TO CHART B1.2				

CHART B2.1 - OPTIMAST POSTS - REGION B2: SIGN AREA (A x B) ≤ 10m²

NOTES

1. 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 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.
2. ON UNEVEN GROUND H = HEIGHT OF THE TALLEST POST.
3. 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 POLE.
4. FOR LARGER SIGNS, REFER TO CHARTS B2.2 AND B2.3.
5. REFER TO QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS FOR FOOTING SIZES. USE FOOTING SIZES APPLICABLE TO THE SAME DIAMETER STEEL POST.
6. CHARTS ASSUME THAT DIMENSION 'A' IS NO MORE THAN FIVE (5) TIMES DIMENSION "B". IF A IS GREATER THAN 5xB CONTACT SUPPLIER FOR DESIGN ADVICE.
7. 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
8. SINGLE POST SIGN SUPPORTS MUST ONLY BE USED WHERE THE SIGN ATTACHMENT RESISTS ROTATION AND IS IN ACCORDANCE WITH STATE AUTHORITY GUIDELINES.
9. 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.

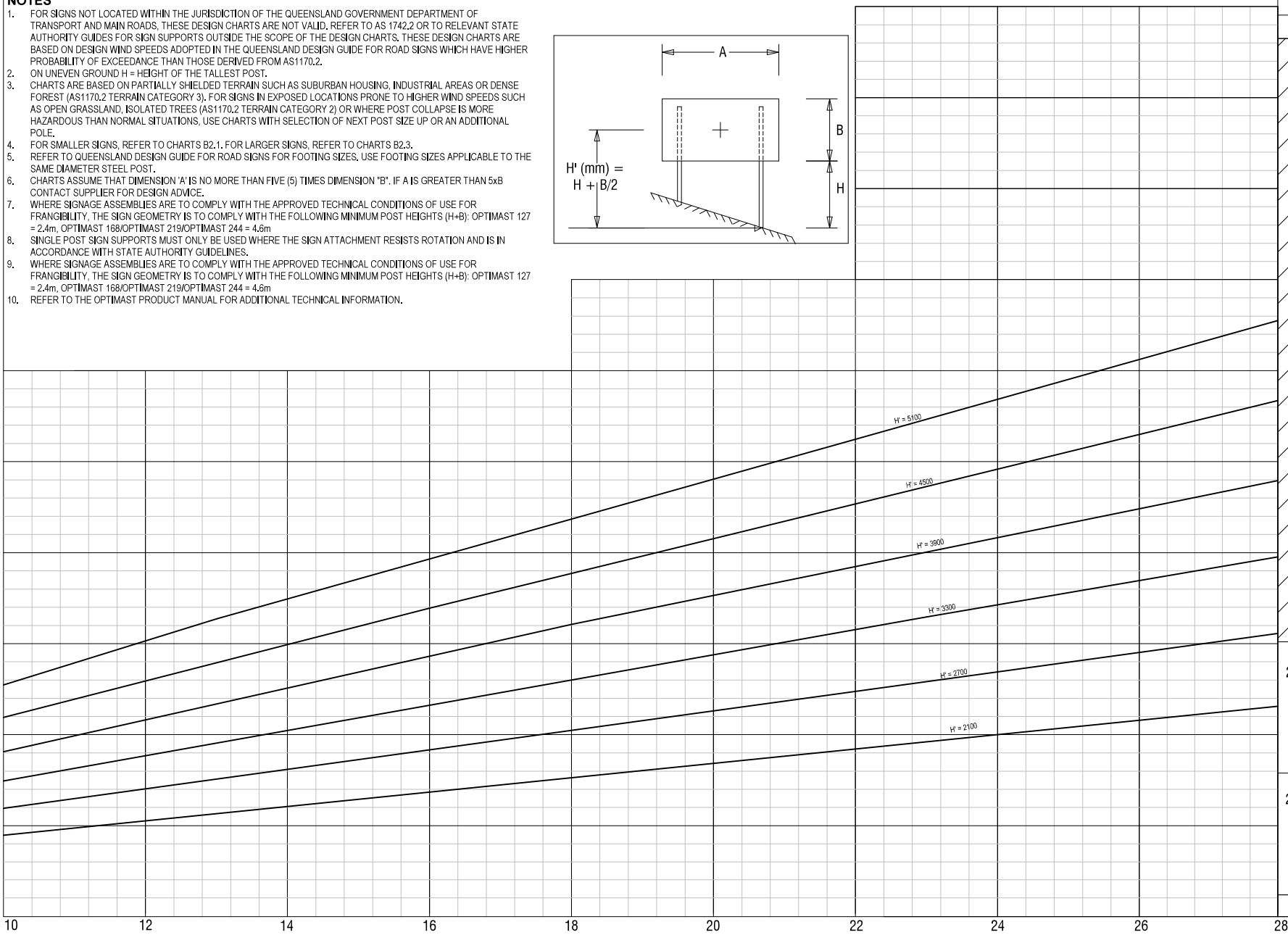


OPTIMAST POSTS				
No. OF POSTS				
1	2	3	4	5
	244	244	219	219
244		219		168
	219		168	
219		168		127
	168		127	
168		127		
	127			
127				

CHART B2.2 - OPTIMAST POSTS - REGION B2: SIGN AREA (A x B) ≤ 28m²

NOTES

1. 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 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.
2. ON UNEVEN GROUND H = HEIGHT OF THE TALLEST POST.
3. 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 POLE.
4. FOR SMALLER SIGNS, REFER TO CHARTS B2.1. FOR LARGER SIGNS, REFER TO CHARTS B2.3.
5. REFER TO QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS FOR FOOTING SIZES. USE FOOTING SIZES APPLICABLE TO THE SAME DIAMETER STEEL POST.
6. CHARTS ASSUME THAT DIMENSION 'A' IS NO MORE THAN FIVE (5) TIMES DIMENSION "B". IF A IS GREATER THAN 5xB CONTACT SUPPLIER FOR DESIGN ADVICE.
7. 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
8. SINGLE POST SIGN SUPPORTS MUST ONLY BE USED WHERE THE SIGN ATTACHMENT RESISTS ROTATION AND IS IN ACCORDANCE WITH STATE AUTHORITY GUIDELINES.
9. 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.

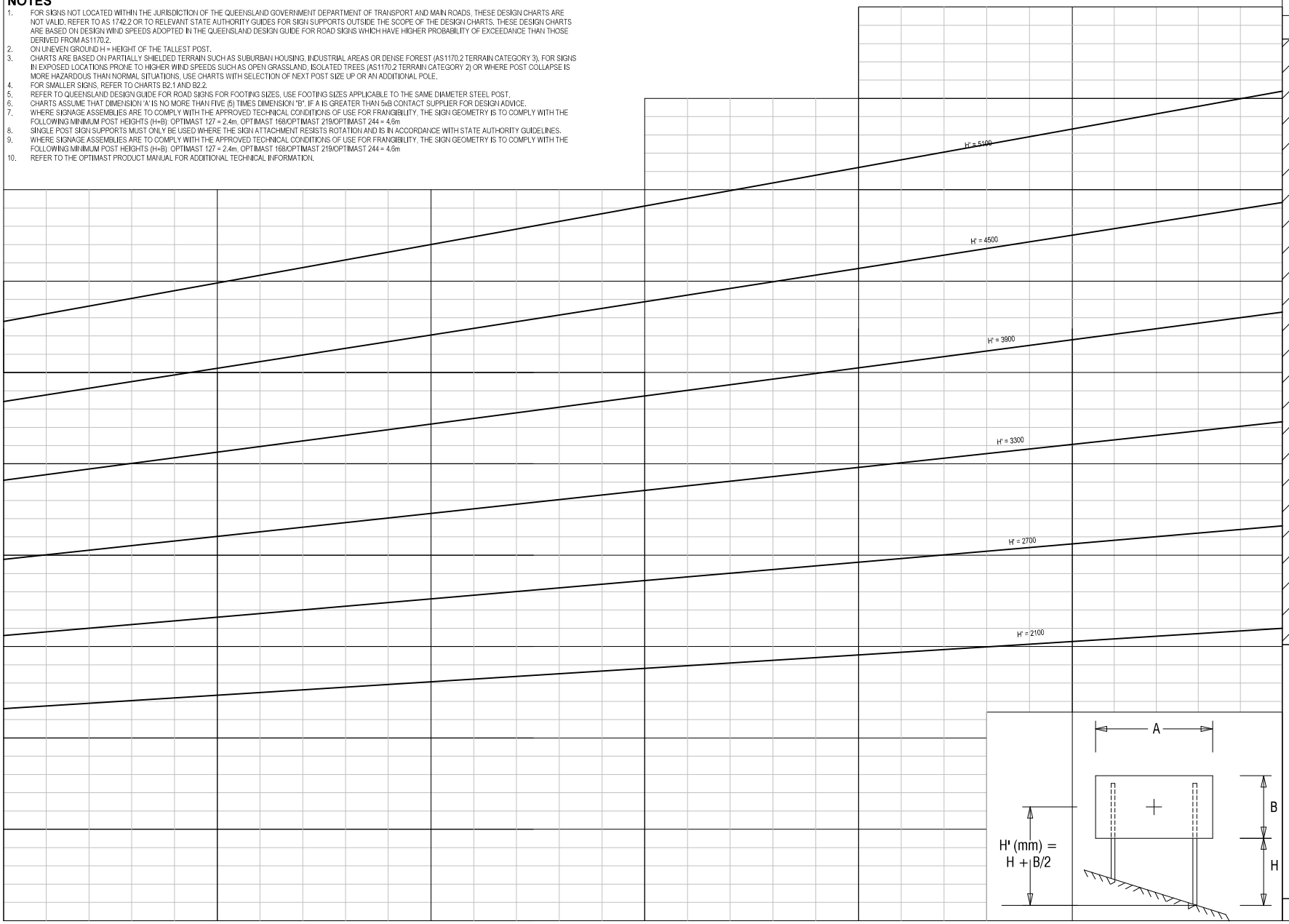


OPTIMAST POSTS					
No. OF POSTS	1	2	3	4	5
	244	244	244	244	244
	219	244	244	219	219
	219	219	219	168	168
	168	168	168	127	127
			127		
REFER TO CHART B2.1					

CHART B2.3 - OPTIMAST POSTS - REGION B2: SIGN AREA (A x B) ≤ 40m²

NOTES

1. 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 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.
2. ON UNEVEN GROUND H = HEIGHT OF THE TALLEST POST.
3. 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 POLE.
4. FOR SMALLER SIGNS, REFER TO CHARTS B2.1 AND B2.2.
5. REFER TO QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS FOR FOOTING SIZES. USE FOOTING SIZES APPLICABLE TO THE SAME DIAMETER STEEL POST.
6. CHARTS ASSUME THAT DIMENSION 'A' IS NO MORE THAN FIVE (5) TIMES DIMENSION "B". IF A IS GREATER THAN 5xB CONTACT SUPPLIER FOR DESIGN ADVICE.
7. 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
8. SINGLE POST SIGN SUPPORTS MUST ONLY BE USED WHERE THE SIGN ATTACHMENT RESISTS ROTATION AND IS IN ACCORDANCE WITH STATE AUTHORITY GUIDELINES.
9. 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.



OPTIMAST POSTS

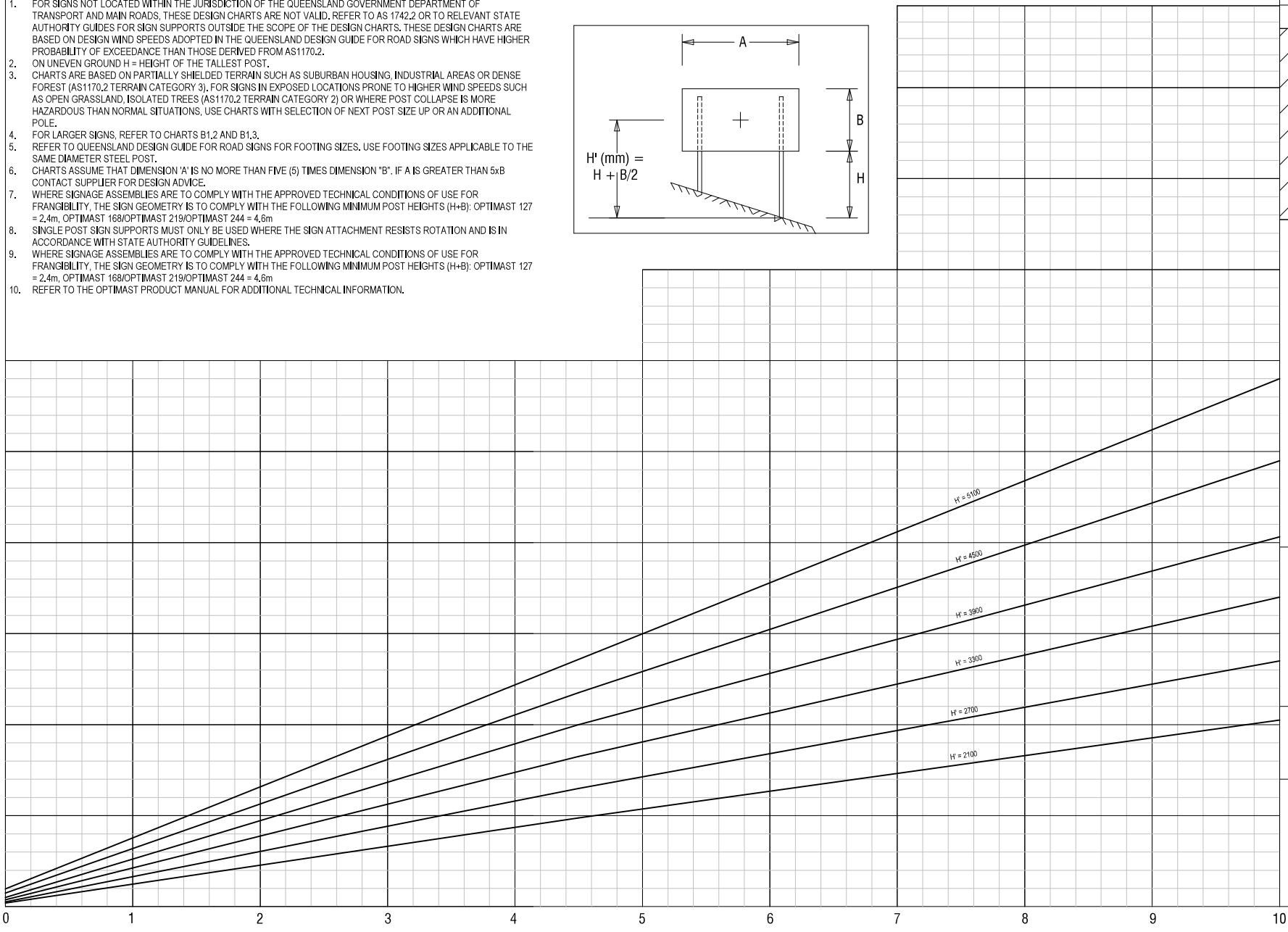
No. OF POSTS				
1	2	3	4	5
				244
			244	
		244		219
	244		219	
		219		168
244			168	
	219	168		127
			127	

REFER TO CHART B2,2

CHART B1.1 - OPTIMAST POSTS - REGION B1: SIGN AREA (A x B) ≤ 10m²

NOTES

1. 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 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.
2. ON UNEVEN GROUND H = HEIGHT OF THE TALLEST POST.
3. 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 POLE.
4. FOR LARGER SIGNS, REFER TO CHARTS B1.2 AND B1.3.
5. REFER TO QUEENSLAND DESIGN GUIDE FOR ROAD SIGNS FOR FOOTING SIZES. USE FOOTING SIZES APPLICABLE TO THE SAME DIAMETER STEEL POST.
6. CHARTS ASSUME THAT DIMENSION 'A' IS NO MORE THAN FIVE (5) TIMES DIMENSION "B". IF A IS GREATER THAN 5xB CONTACT SUPPLIER FOR DESIGN ADVICE.
7. 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
8. SINGLE POST SIGN SUPPORTS MUST ONLY BE USED WHERE THE SIGN ATTACHMENT RESISTS ROTATION AND IS IN ACCORDANCE WITH STATE AUTHORITY GUIDELINES.
9. 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.



OPTIMAST POSTS				
No. OF POSTS				
1	2	3	4	5
	244	244	219	219
244		219		168
	219		168	
219		168		127
	168		127	
168		127		
	127			
127				