CLASS 12.9 HEX BOLT, WASHER AND NUT
AS SPECIFIED BY FRANKLIN INDUSTRIES

GENERAL NOTES FOR EZE-ERECT SIGN SUPPORT SYSTEM

1. THE RETAINER STRAP SHALL BE GALVANIZED BY THE HOT DIP PROCESS CONFORMING TO ASTM A123.
2. HEX BOLT SHALL BE MANUFACTURED ACCORDING TO THE GEOMETRIC SPECIFICATIONS INCLUDED IN ANSI B18.2.3.5M THREAD STANDARDS CONFORMING TO ANSI B1.1M FOR CLASS 6 THREADS.
3. MATERIALS FOR BOLTS SHALL CONFORM TO ANSI FERB FOR CLASS 12.9 (1230 MPa TENSILE STRENGTH AND 1100 MPa YIELD STRENGTH). BOLT HEAD SHALL BE MARKED AS SPECIFIED IN ANSI FERB SECTION 8 WITH THE MANUFACTURER'S IDENTIFICATION SYMBOL AND THE SYMBOL "12.9".
4. NUTS SHALL BE MANUFACTURED ACCORDING TO THE DIMENSIONS AND TOLERANCES IN ANSI B18.2.3.4M FOR WELDED HEX FLANGE NUTS. THE M12.9.3B THREADS SHALL CONFORM TO ANSI B1.1M FOR CLASS 6.
5. HUBS SHALL CONFORM TO THE REQUIREMENTS OF ASME N038 FOR CLASS 12 NUTS. PLAIN ROUND STEEL WASHERS SHALL BE MANUFACTURED ACCORDING TO THE DIMENSIONS AND TOLERANCES IN ANSI B18.2.9M FOR REGULAR SERIES WASHERS.
6. BOLTS, NUTS AND WASHERS SHALL BE ZINC COATED ACCORDING TO ASME N032.
7. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER INSTALLATION INSTRUCTIONS.

GENERAL NOTES FOR LAP SPACER BREAKAWAY SYSTEM

1. THE SPACER BAR SHALL BE MANUFACTURED FROM HOT ROLLED CARBON STEEL BARS CONFORMING TO ASTM A1008.
2. SPACER BAR SHALL BE DRILLED AND TAPPED WITH 8 x 1.25 THREADS AS SPECIFIED IN ANSI B1.1M FOR CLASS 6 THREADS.
3. SPACER BAR SHALL BE SILVER COLORED AS PER MARSHALL STEEL.
4. SPACER HARDWARE SHALL BE ZINC PLATED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM 436.
5. HEX BOLTS SHALL BE IDENTIFIED BY HEAD MARKINGS OF "N100" AS WELL AS A RED FINISH.
6. PLAIN ROUND STEEL WASHERS SHALL BE MANUFACTURED ACCORDING TO THE DIMENSIONS AND TOLERANCES IN ANSI B18.2.12M FOR REGULAR SERIES WASHERS.
7. PLAIN ROUND STEEL WASHERS SHALL BE ZINC-COATED ACCORDING TO ASME N032 FOR CLASS 6.