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1. INTRODUCTION QCS 2014 is the governing regulations for the specification of construction materials used in Qatar. These regulations were developed and agreed upon by the engineering departments at the Qatari Authority for Standardization (QAS) and other stakeholders. Qcs 2014 Qatar Construction Specifications (Section 5) QCS 2014 Parts 1, 2 and 3. The technical regulation focuses on the specification and quality of construction materials to be used in Qatar. The Qatar Council for Building and Development aims to improve the standard of living and welfare of the citizens. The regulations apply to all construction activities and thus include the construction of schools, hospitals, hotels, office buildings, sports grounds and industrial sites. Contents of QCS 2014- Part 1 General QCS 2014 Parts 3.1 and 3.2 require the procurement of construction materials from Qatar suppliers and the fabrication of their components. This requires that the following information is provided to the supplier: details of the work to be undertaken, construction schedule, quantity required, payment terms, level of performance to be achieved, time of delivery and site conditions. 5 C 10.9. 6.5.2 IMPLEMENTATION DOCUMENTS This specification should be accompanied by documentation as required in these specifications, for example: a copy of the Implementing Agreement, the Construction Management Agreement. 7 C 11.1. QCS 2014 Parts 4.5, 6.3, 7.3 and 8.3, include regulations to guide the specification of the type of steel to be used as reinforcing bars, in the form of 42mm(1¼”) or 60mm(2¼”) tension rods, and in the form of 30mm(12”) or 50mm(20”) reinforcing plates. The regulations also require that steel reinforcement be protected from corrosion by painting, wire mesh and embedment in concrete. QCS 2014 Parts 5.1 and 5.2 require the identification of the location where the reinforcing bars and plates are to be used. These may be required to be embedded in the formwork, which is the building frame or temporary formwork completed and removed prior to the pouring of concrete. The specification indicates whether the steel reinforcement is to be embedded in the formwork, embedded in a reinforced concrete slab or embedded in the surface of a floor slab. The Specification should not be used where the reinforcing steel is to be embedded in the formwork. The reinforced concrete design should include details of the reinforcement and the

