

	APPLICATION	AASHTO	WIRE REINFORCEMENT INSTITUTE REMARKS
<b>MATERIAL</b>	PLAIN WWR AND DEFORMED WWR PERMITTED	5.1, 5.4.3.1	
	YIELD STRENGTH - GENERAL	5.4.3.1	75 KSI TO 100 KSI
	YIELD STRENGTH – BURIED STRUCTURES/TUNNEL LINERS	12.4.2.7	80 KSI MAXIMUM
	YIELD STRENGTH – THREE-SIDED PRECAST STRUCTURES	12.14.2.2	65 KSI MATERIAL MAY BE USED
<b>DESIGN</b>	DESIGN METHODOLOGY – B-REGION FLEXURE/AXIAL	5.5.1.2 5.6.1 → 5.6.6	CONVENTIONAL BEAM THEORY
	DESIGN METHODOLOGY – B-REGION SHEAR/TORSION	5.5.1.2, 5.7	CONVENTIONAL BEAM THEORY WITH TRUSS ANALOGY
	DESIGN METHODOLOGY – D-REGION	5.5.1.2, 5.8	STRUT-AND-TIE METHOD
	STRENGTH LIMIT STATE AND RESISTANCE FACTORS, $\phi$	5.5.4	
	FATIGUE OF REINFORCEMENT	5.5.3.2	
	TRANSVERSE REINFORCEMENT TO RESIST SHEAR	5.7.2.4	WWR IN THIS APPLICATION MUST SATISFY MINIMUM ELONGATION OF 4% OVER GAUGE LENGTH OF 4" INCLUDING CROSSWIRE.
	MSE WALL FACING	11.5, 11.10	
	SOIL NAIL WALL FACING	11.12.6.2.2	
<b>PRESCRIPTIVE</b>	DISTRIBUTION OF NON-PRESTRESSED TENSION STEEL	5.6.7	
	MINIMUM SPACING OF REINFORCEMENT	5.10.3.1.1, 5.10.3.1.2	FOR CAST-IN-PLACE AND PRECAST CONCRETE, PARALLEL WIRES IN A LAYER
	MAXIMUM SPACING OF REINFORCEMENT: WALLS/SLABS	5.10.3.2	
	MAXIMUM SPACING OF REINFORCEMENT: TIES	5.10.4.3	FOR COMPRESSION MEMBERS
	WWR USAGE FOR TIE/STIRRUP IN FLEXURAL MEMBER	5.10.5	
	CONCRETE COVER	5.10.1	
	SHRINKAGE AND TEMPERATURE REINFORCEMENT	5.10.6	
	WWR TENSION DEVELOPMENT LENGTH	5.10.8.2.5	PLAIN AND DEFORMED WWR IN CONCRETE $\leq 10$ KSI. MODIFY BY 12.10.4.4.2 FOR BURIED STRUCTURES / TUNNEL LINERS, AS APPLICABLE.
	STIRRUP REINFORCEMENT FOR SHEAR	5.10.8.2.6	PLAIN WWR FOR U-STIRRUP, PLAIN OR DEFORMED WWR FOR SINGLE LEG STIRRUP
	WWR TENSION LAP SPLICE	5.10.8.5	
	INTERFACE SHEAR REINFORCEMENT	5.7.4	WWR IS PERMITTED FOR USE.
	MAXIMUM SPACING FOR THREE-SIDED PRECAST STRUCTURES	12.14.2.2	
	MINIMUM BEND DIAMETER – HOOKS FOR TENSION	TABLE 5.10.2.3.1	RULES FOR BARS ADOPTED BY WIRE INDUSTRY (6.0d <sub>b</sub> )
	MINIMUM BEND DIAMETER – STIRRUPS AND TIES	5.10.2.3	INSIDE BEND DIAMETERS FOR WWR STIRRUPS AND TIES
WWR COMPARED TO FIELD-TIED REBAR	C5.7.2.7	COMMENTARY ON IMPROVED QUALITY CONTROL AND PERFORMANCE THROUGH USE OF WWR COMPARED TO FIELD-TIED REBAR.	