

SECTION 807 STRUCTURAL METALS

MATERIAL		REFERENCE	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANTITY	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		TESTED BY		METHOD		CONTAINER	DISTR.			
BEARING & EXPANSION	Bronze	807.02 1013.07(a) Const. Fab. Insp.	Accept.	-----	-----	-----	CA 2 or 4	-----	-----	Visual inspection by Proj. Engr.
	Copper-Alloy (Rolled)	807.02 1013.07(b) Const. Fab. Insp.	Accept.	-----	-----	-----	CA 2 or 4	-----	-----	Visual inspection by Proj. Engr.
	PTFE Bearing Assembly	807.46(c) Const. Fab. Insp.	Accept.	-----	-----	-----	CA 2 or 4	-----	-----	Fabrication to be inspected in accordance with Standard Specification Subsection 807.05.
BEARING PADS	Elastomeric	807.46(a) 1018.14 Mat. Lab	Accept.	Const. Fab. Insp.* S 601	1/100 pads/ type**/ lot	1 pad	CA 5	-----	14 days	(QPL 3) *Proj. Engr. samples at destination only if not sampled at site of source or supplier. **plain or laminated
	Masonry	807.46 1018.06 Mat. Lab	Accept.	Proj. Engr. S 601	1/type/size	1 pad	CA 5	-----	10 days	-----
CASTINGS	Metal for Castings	807.02 1013.06 Const. Fab. Insp.	Accept.	Constr. Fab. Insp. S 601	1/heat	1 test bar*	CA 6	-----	-----	*Const. Fab. Insp. may submit samples to Mat. Lab for testing if questionable.
	Unit	807.20 Const. Fab. Insp.	Accept.	-----	-----	-----	CA 6	-----	-----	Proj. Engr. to receive Form 4148 (Certificate of Cast Iron Covers, Grates, etc.) from Contractor.
CONCRETE ANCHOR STUDS		807.02 1013.24 Const. Fab. Insp.	Accept.	-----	-----	-----	CA 4	-----	-----	-----
FASTENERS (Field Installation)	Bolts, Nuts & Washers	807.20 1013.08(a) Mat. Lab	Accept.	Proj. Engr. S 601	1/diameter/ shipment	2 of each item*	CC 4	-----	10 days	*Two bolts, two nuts and 2 washers are to be submitted.

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SECTION 807 STRUCTURAL METALS (Cont'd)

MATERIAL		REFERENCE	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANTITY	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		TESTED BY		METHOD		CONTAINER	DISTR.			
FASTENERS (Field Installation) (Cont'd)	High Strength Bolts, Nuts & Washers	807.02 807.22 1013.08(b) Mat. Lab	Accept.	Proj. Engr. S 501	1/type/ diameter/heat	2 of each item*	CA 4	-----	10 days	*Two bolts, 2 nuts and 2 washers of each type and diameter are to be submitted. This shall include the tension device indicator.
	Rotational Capacity	807.21(d)	Accept.	Contractor	2 assemblies/ea combination bolt lot, nut lot & washer lot	-----	-----	-----	-----	-----
	Steel Lockpins and Collars	807.02 1013.08(c) Mat. Lab	Accept.	Proj. Engr. S 501	1/lot or shipment	1 pin and collar	CC 4	-----	10 days	-----
FASTENERS (Shop Installation)	Bolts, Nuts & Washers	807.20 1013.08(a) Mat. Lab	Accept.	Const. Fab. Insp. S 501	1/diameter/ shipment	2 of each item*	CC 4	-----	10 days	Proj. Engr. to receive inspection report from Const. Fab. Insp. *Two bolts, 2 nuts and 2 washers are to be submitted.
	High Strength Bolts, Nuts & Washers	807.21 1013.08(b) Mat. Lab	Accept.	Const. Fab. Insp. S 501	1/type/ diameter/heat	2 of each item*	CA 4	-----	10 days	Proj. Engr. to receive inspection report from Const. Fab. Insp. *Two bolts, 2 nuts and 2 washers are to be submitted. This shall include the tension indicator device.
	Rotational Capacity	807.21(d)	Accept.	Fabricator	2 assemblies/ea combination bolt lot, nut lot & washer lot	-----	-----	-----	-----	-----
	Steel Lockpins and Collars	807.02 1013.08(c) Mat. Lab	Accept.	Const. Fab. Insp. S 501	1/lot	1 pin and collar	CC 4	-----	10 days	Proj. Engr. to receive inspection report from Const. Fab. Insp.
GROUT (Non-Shrink)		807.46 1018.27 Mat. Lab	Accept.	Proj. Engr. S601	1/shipment	1 full sack, 15 lb min	-----	-----	10 days	(QPL 47) Sample shall be submitted in an unbroken, moisture proof sack.

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SECTION 807 STRUCTURAL METALS (Cont'd)

MATERIAL		REFERENCE	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANTITY	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
		TESTED BY		METHOD		CONTAINER	DISTR.				
PAINT AND PROTECTIVE COATINGS		807.44 1008 Mat. Lab	SEE SECTION 811 OF THIS MANUAL.								
SHEAR CONNECTORS		807.02 807.42 1013.23 Const. Fab. Insp.	Accept.	-----	-----	-----	CA 4	-----	-----	Shop and field inspection requirements per Specification Subsection 807.44.	
STEEL FORGINGS & SHAFTING		807.02 809.07 Const. Fab. Insp.	Accept.	INSPECTED, APPROVED AND STAMPED BY THE CONST. FAB. INSP. UNIT PRIOR TO USE.			-----	-----	-----	Proj. Engr. to receive inspection report from Const. Fab. Insp.	
		Steel for Forging & Shafts	807.02 1013.04 Const. Fab. Insp.	Prelim. Source Approval	-----	-----	-----	CA 6	-----	-----	-----
STRUCTURAL STEEL & ALUMINUM		807.02 807.05 Const. Fab. Insp.	Accept.	INSPECTED, APPROVED AND STAMPED BY THE CONST. FAB. INSP. UNIT PRIOR TO USE.			-----	-----	-----	Proj. Engr. to receive inspection report from Const. Fab. Insp.	
		Metal for Fabrication	807.02 1013 Const. Fab. Insp.	Prelim. Source Approval	Const. Fab. Insp. S 501	1/grade*	Plates - 6 in. x 24 in.; Shapes, bars, pipe and tubing - 24 in. length	CA 6	-----	-----	Test report to Const. Fab. Insp. only. *Sample only if questionable.
WELDING		SEE SECTION 815 OF THIS MANUAL.									
WRENCH		Calibrated Wrench	807.21(h)-(k) Proj. Engr.	Accept.	-----	*	3 assemblies/ size	-----	-----	-----	Contractor's calibration procedure to be witnessed by Proj. Engr. *See Specification Subsection 807.22(g)-(j) for frequency of calibration.
		Job Inspection Torque Wrench	807.21(h)(2) Proj. Engr.	Accept.	-----	*	5 assemblies/ size	-----	-----	-----	*See Specification Subsection 807.22(h)(2) for frequency of calibration.

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