

A 36, CARBON STRUCTURAL STEEL

SUBMITTAL SPECIFICATION

"ABSTRACT OF ASTM A36"

GRADE: ASTM A36

CHEMICAL REQUIREMENTS (%):

	<u>to 3/4" incl</u>	<u>7/8"-1 1/2" incl</u>	<u>2 5/8"-4" incl</u>
CARBON, MAX.	0.26	0.27	0.28
MANGANESE	----	0.60-0.90	0.60-0.90
PHOSPHORUS, MAX	0.04	0.04	0.04
SULFUR, MAX	0.05	0.05	0.05
SILICON, MAX	0.40	0.40	0.40
COPPER, MIN	0.20	0.20	0.20

(WHEN COPPER IS SPECIFIED)

MECHANICAL REQUIREMENTS:

	<u>MINIMUM</u>	<u>MAXIMUM</u>
TENSILE STRENGTH (KSI)	58	80
YIELD STRENGTHS (KSI)	36	
ELONGATION IN 8", %	20	
ELONGATION IN 2", %	23	

IDENTIFICATION SYMBOL: N/A

OTHER:

ALL BOLTS & STUDS, UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER SHALL BE THREADED IN ACCORDANCE WITH ANSI/ASME B1.1 UNIFIED INCH SCREW THREADS, CLASS 2A. HEADED BOLTS USED FOR ANCHORAGE PURPOSES SHALL CONFORM TO ASTM A307. ADDITIONAL INFORMATION CAN BE FOUND IN ASTM A36, (CARBON STRUCTURAL STEEL).

NUTS:

ALL NUTS SHALL CONFORM TO THE REQUIREMENTS OF SPECIFICATION A563 GR. A. ADDITIONAL INFORMATION CAN BE FOUND IN ASTM A563, (CARBON & ALLOY STEEL NUTS).

FLAT WASHERS: ALL WASHERS SHALL BE SIMILAR MATERIAL AS THE NUTS.

Pacific Coast Bolt

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REV. 02/09