

# SHOP SUBMITTAL / DRAWING REVIEW RESPONSE



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**Project Name: DPARD Admin Offices**

**From: Chuck Stringer**

**Project No: 13333**

**Description: 230000.01 All Thread Rod and Anchor Bolts Submittal**

<b>SW Associates Consulting Engineers</b>	Engineer's review is for general compliance with the design concept and contract documents. Markings or comments or the lack thereof shall not be construed as relieving the Contractor from compliance with the project plans and specifications. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of construction, for performing this work in a safe manner and for coordinating his work with that of other trades
<input checked="" type="checkbox"/> <b>No Exception Taken</b>	This review does not constitute approval or acceptance of deviations from contract documents, such deviations if any must be requested in writing or clearly identified as deviations in accordance with contract documents.
<input type="checkbox"/> <b>Make Corrections Noted</b>	
<input type="checkbox"/> <b>Revise and Submit</b>	
<input type="checkbox"/> <b>Rejected</b>	
<b>SWA Project No. 13333</b>	<b>Submittal No: 230000.01</b>
<b>Date: 04-17-19</b>	<b>Checked By: Chuck Stringer</b>

**Comments:**



**ASTM A307 Gr. A**  
**All Thread Rod and Anchor Bolts**  
SUBMITTAL SPECIFICATIONS  
Abstract of ASTM A307-10

Material Grade: Low Carbon Steel 60,000 PSI Tensile

Chemical Requirements (%)

Chemical Analysis shall be performed in accordance with ASTM A751

Carbon Max	Manganese Max	Phosphorus Max	Sulfur Max
0.29	1.20	0.04	0.15

Mechanical Requirements

TENSILE (KSI)	ELONGATION IN 2 IN. MIN (%)	HARDNESS BRINELL	HARDNESS ROCKWELL
MIN: 60	MIN: 18	MIN: 121	MIN: 69
MAX:-	MAX: -	MAX: 241	MAX: 100

Recommended Hardware:

SIZE INCHES	NUTS	WASHERS
1/4 TO 1-1/2	A563A HEX	F844
OVER 1-1/2 TO 4	A563A HVY HEX	F844

Finish Options:

Plain

Zinc to ASTM B633 TYII

HDG to ASTM A153\*F2329

Additional information can be found in ASTM A307-10 and ASTM A563-07A