

Procedure No. W-SP-6

J. A. JONES CONSTRUCTION COMPANY

SPECIAL PROCESS PROCEDURE

FOR

BENDING AND STRAIGHTENING OF REINFORCING
BARS PARTIALLY EMBEDDED IN CONCRETE

WATERFORD SES UNIT NO.3
CONTRACT NO. W3-NY-4

REV.	DATE	ENGINEERING APPROVED BY	DATE	QUALITY ASSURANCE APPROVED BY	DATE	CONSTRUCTION APPROVED BY	DATE
0	4/26/76	P. Gault	4/27/76	WELL	4/27/76	Leo Terry	4/27/76

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PDR FOIA
GARDEB4-455 PDR

FREEDOM OF INFORMATION
ACT REQUEST

84-455

C/607

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PROJECT TITLE: WATERFORD SES UNIT NO. 3 CONTRACT NO. W3-NY-4		
<p>1.0 <u>PURPOSE</u></p> <p>To specify methods to be used by J. A. Jones Construction Company and its' subcontractors to straighten reinforcing steel after concrete has been placed.</p> <p>2.0 <u>SCOPE</u></p> <p>This procedure defines the methods to be used to straighten reinforcing steel after concrete has been placed.</p> <p>3.0 <u>REFERENCES</u></p> <p>3.1 ACI 318-71.</p> <p>3.2 ACI 318-71 - Commentary.</p> <p>3.3 ACI 318-71 - Revisions to Commentary.</p> <p>4.0 <u>DEFINITIONS</u></p> <p>None.</p> <p>5.0 <u>RESPONSIBILITY</u></p> <p>5.1 J. A. Jones is to assure proper preparation of reinforcing bars for bending and proper protection of concrete surfaces against damage by heating.</p> <p>6.0 <u>PROCEDURE</u></p> <p>6.1 Reinforcing bars projecting from existing concrete at an angle may be brought to their plumb position, and bars that have been bent may be straightened providing that it is performed in accordance with ACI-318-71 and the requirements below.</p> <p>6.2 The minimum distance from the bend to an existing concrete surface without providing protective insulation shall be 4 inches.</p> <p>6.3 The reinforcing bar shall first be heated to between 1100F and 1200F and maintained at that level until bending is complete. Heat shall be applied as evenly possible over a length of about 6 inches. The heat shall be centered at the bend.</p>		

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<p>6.4 Temperature - Measuring crayons shall be used to determine the temperature. Heat shall be applied in such a way as to avoid damage to the concrete. Care shall be taken to prevent quenching of heated bar either by application of water or by exposure to sudden down pour of rain.</p> <p>7.0 <u>ACCEPTABILITY OF BARS</u></p> <p>7.1 Straightened bars shall be visually inspected to determine whether they are cracked, reduced in cross section, or otherwise damaged. Any damaged portions will be cause for rejection and new bar will be grouted in place.</p> <p>8.0 <u>ATTACHMENTS</u></p> <p>None.</p>		