

SITE INSPECTION AND TEST PROCEDURE:		PROCEDURE NO. W-SITP-5.
TITLE: EMBEDDED ITEMS - HANDLING, STORAGE AND INSTALLATION INSPECTION		REV. NO. 3 DATE: 10/19/76
PROJECT TITLE: WATERFORD SES UNIT NO. 3 CONTRACT NO. W3-NY-4		
<p>1.0 <u>PURPOSE</u></p> <p>To specify methods, techniques and documentation J. A. Jones will use to assure that embeds are installed in accordance with approved drawings and specifications.</p> <p>2.0 <u>SCOPE</u></p> <p>This procedure covers the Quality Assurance/Verification activities for installation of embeds. It does not include embedded items such as water-stop or reinforcing steel which are covered by separate procedure.</p> <p>3.0 <u>REFERENCES</u></p> <p>3.1 J. A. Jones Work Procedure, W-WP-6, "Field Fabrication of Structural Embeds".</p> <p>3.2 J. A. Jones Work Procedure, W-WP-5, "Handling, Storage, Erection and Installation of Embeds".</p> <p>3.3 Ebasco Specification for Concrete Construction, Phase I for Reactor Building (Except Outer Shield Wall), Reactor Auxiliary and Fuel Handling Building, Revision 3, dated 4/5/75.</p> <p>3.4 ANSI Standard N45.2.5-1974, "Supplementary Quality Assurance Requirements for Installation, Inspection and Testing of Structural Concrete and Structural Steel During the Construction Phase of Nuclear Power Plants," as applicable.</p> <p>4.0 <u>DEFINITIONS</u></p> <p>None</p> <p>5.0 <u>RESPONSIBILITIES</u></p> <p>5.1 Ebasco Services, Inc. is responsible for furnishing, receiving inspection and acceptance of all embed material including all required weld filler material and bolting material. Shop drawings of all embed items shall be supplied by Ebasco Services, Inc. if required.</p>		

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- 5.2 J. A. Jones and Subcontractors are responsible for compliance with this procedure and for compliance with References 3.1 thru 3.4, as applicable.
- 5.3 J. A. Jones Engineering is responsible for furnishing accurate embed location information in sufficient detail to provide the documentation as required by this procedure.

5.4

6.0 MATERIAL

6.1 Material will be furnished by Ebasco Services, Inc. J. A. Jones Material Inspector will verify that material is properly identified and that material is certified acceptable by Ebasco Services, Inc. prior to delivery for installation.

7.0 INSTALLATION

7.1 Inspection points/links to be performed by the assigned Quality Verification Inspector(s) shall be as given in the following paragraphs.

- 7.1 Inspectors shall assure that embedded items are installed in the locations specified on approved construction drawings by verifying that the information required on the "Embed Map Tag", Attachment 10.1, has been accurately entered by J. A. Jones Field Engineering and the below listed tolerances have not been exceeded:

Embedded Item	Tolerances	
	Line	Grade
Pipe Stakes	±1"	±1"
Floor Drains	±1"	±1"
Box Cuts	±1"	±1"
Utility Unistruts	±1"	±1"
Anchor Bolts	±1"	±1"
Wall Column Ties	±1"	±1"

7.2 Inspectors shall verify that the information required on the "Embed Map Tag", Attachment 10.1, has been accurately entered by J. A. Jones Field Engineering and the below listed tolerances have not been exceeded:

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R-3 7.2 Inspector(s) shall verify that identification serial number is noted on the proper form or drawing.

R-2 7.3 Inspector(s) shall verify that identification serial number will be visible after concrete placement. Relocation of identification serial number may be necessary to achieve post-placement visibility. In this event, Inspector(s) shall verify that relocated identification serial numbers are the same as those of the original marking. Relocation of serial number will be accomplished by the J. A. Jones Material Supplier.

7.4 When use of templates is necessary to assure proper placement of embeds, Inspector(s) shall verify that correct template is used and that template is properly utilized.

7.5 For anchor bolts, in addition to tolerances specified in paragraph 7.1 above, Inspector(s) shall verify the following items:

7.5.1 Anchor bolts are sufficiently secured at top and bottom to prevent misalignment during concrete placement.

7.5.2 Anchor bolts are within $\pm 1"$ of vertical at top and bottom.

7.5.3 Entire threaded area of anchor bolts to be left exposed is sufficiently wrapped to prevent damage or contamination during concrete placement.

7.5.4 [REDACTED]

7.5.5 [REDACTED]

7.6 QUALITY CONTROL

Prior to any approval is required for any modification or change to embeds. Quality Verification Inspector(s) shall verify that this approval has been obtained before any modification or change to an embed is accomplished. All shall obtain a copy of the approving document for retention in project files.

PROJECT LOCATION AND TEST PERIOD:

PROCEDURE NO.

W-SITP-5

TEST: EMERGED ITEMS - HANDLING, STORAGE AND INSTALLATION
IN PRODUCTION

REV. 1.3

DATE: 10/19/76

PROJECT FILE: WATERFORD SES UNIT NO. 3 CONTRACT NO. W3-WY-4

9.0 QUALITY ASSURANCE/VERIFICATION RECORDS

All records will be maintained by placement number. After placement has been completed and accepted by Ebasco, the records will be turned over to J. A. Jones Documentation Control Supervisor for inclusion into permanent records for forwarding to Ebasco Services, Inc.

10.0 ATTACHMENTS

10.1 Emerged Map Log (Form No. W-SITP-5.1)

J. A. JONES CONSTRUCTION COMPANY
WATERFORD UNIT NO. 3
PHASE I, CONCRETE CONSTRUCTION
75-517

Placement No.

Journal of Interpersonal Violence 26(1)

Drawing No.

CORDED MAP LOG

[illegible]

Conclusions

GRA = Global Reaction

Form No. W-511P-1, 1-57