



September 9, 1993

TR-68B

TECHNICAL RELEASE NO. 68, AMENDMENT 2
210-VI

SUBJECT: ENG - APPENDIX D TO TECHNICAL RELEASE (TR) NO. 68,
SEISMIC ANALYSIS OF RISERS

Purpose. To distribute revised TR-68, Appendix D, and the associated microcomputer program.

Effective Date. Effective upon receipt.

Enclosed is a revision to TR-68, Appendix D, Seismic Analysis of Risers computer program. Two errors in the program have been corrected. The program listing, distributed March 25, 1992, as a part of Appendix D, will not be updated and should be removed from Appendix D.

Two problems were discovered with the program. Hubert Hawklins, State Design Engineer in North Carolina, discovered an error in the weight computation when he changed the footing size during a run. At about the same time, Jon Nestoss, State Design Engineer in North Dakota, discovered an error in the minimum steel requirements for horizontal bending when T&S steel controlled. These errors have been corrected.

A diskette containing the revised program is being distributed under separate cover.

The computer files on the diskette are:

README.DOC - a file containing initial user information.

SARISERS.DOC - the documentation in MS Word Version 5 format.

BAFFLEIN.SPL and RISERSEC.SPL - two Versacad spool files containing the graphics in the documentation.

SARISERS.EXE, SAOUTPUT.EXE, and SAPRINT.EXE - the files containing the compiled executable program.

BRUN45.EXE - the QuickBASIC file necessary for execution.

FLOWCHRT.EXE - the archived program flow charts in an abridged form.

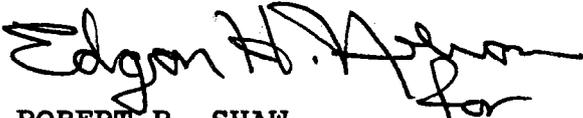
DIST: TR-68

- MORE -



Filing Instructions. Replace microcomputer program distributed on March 25, 1992, with this revision. Remove pages D.17 through D.69 from TR-68, Appendix D. Insert page D.17 enclosed.

Distribution. Copies are being distributed as indicated by the TR-68 distribution list. Obtain additional copies by ordering TR-68B from the Consolidated Forms and Distribution Center, 3222 Hubbard Road, Landover, Maryland 20785.

A handwritten signature in black ink, appearing to read "Edgmon H. Agmon". The signature is written in a cursive style with a long horizontal stroke at the end.

ROBERT R. SHAW
Deputy Chief for Technology

Enclosure

was converted to QuickBASIC and compiled for distribution as an appendix to TR-68.

In the fall of 1990, the National IRM Software Testing Lab tested the program for ease of use and output logic. Mark Boysen tested the program and made several recommendations for improvement. Several of these were included in the revision made in November 1991. Others will be included at a later date so that distribution of the software is not delayed.

A record of the hand computations performed in developing and checking the program are on file at the South National Technical Center.

For additional information on this program contact:

ENGINEERING STAFF
SOIL CONSERVATION SERVICE
SOUTH NATIONAL TECHNICAL CENTER
P.O. BOX 6567
FORT WORTH, TEXAS 76115-0567
PHONE: 817/334-5466