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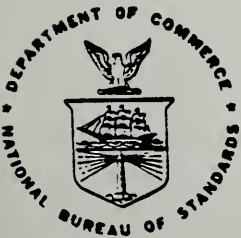
Building Technology Publications

Supplement 10: 1985-86

Kim Hockey, Editor

U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards
National Engineering Laboratory
Center for Building Technology
Gaithersburg, MD 20899

September 1987



U.S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

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BUILDING TECHNOLOGY PUBLICATIONS

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U.S. DEPARTMENT OF COMMERCE, Clarence J. Brown, *Acting Secretary*
NATIONAL BUREAU OF STANDARDS, Ernest Ambler, *Director*

INTRODUCTION

This report is the tenth supplement to NBS', Building Technology Publications; it lists the Center for Building Technology (CBT) documents published during 1985-1986. Included are titles, keywords, and authors of each NBS publication and each paper published in non-NBS media and provides instructions on how to order CBT publications.

Publications constitute a major end product to CBT's efforts and during 1985-1986, appeared in four NBS publication series (Building Science Series, Technical Notes, Special Publications, and NBS Interagency Reports) and the media such as technical and trade publications. NBS publication series abbreviations are:

BSS - Building Science Series
TN - Technical Note
SP - Special Publication
NBSIR - National Bureau of Standards
Interagency Report

This year's Building Technology Publications, was developed using CBT's author database of publications. This report is divided into five sections. The first, NBS Reports, lists CBT authored manuscripts published by NBS, under the heading NBS Published Reports, and by other media, reported under the heading Non-NBS Published Reports. Each CBT manuscript published by NBS is listed by its publication series along with its reference designation number. CBT manuscripts published by outside sources are listed with their reference designation number. Reference designation numbers are unique identifications for each CBT report, they are used throughout this listing and are keyed to the complete manuscript listing in the Reports Announcements section (see below). The Author Index cites each CBT author and the publication's reference designation number. The Key Word Index lists key words and the publication's reference designation number for each publication and paper. The index is organized by CBT's reference designation number (ascending order). The Reports Announcements is bibliographic data and key words for all CBT publications. The last section, Obtaining Publications, provides ordering instructions for NBS published reports. CBT manuscripts are listed by their NBS report series number with the respective NTIS order number and price.

NBS undertakes research in various areas of science and engineering. Interested readers will find other NBS publications listed in NBS Special Publication 305-18, Publications of the National Bureau of Standards 1986.

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 KINETICS
 CEMENT
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 DEW-POINT HYGROMETERS HUMIDITY SENSORS
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MASS	VELOCITY

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 PHASE CHANGE
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 THERMAL RESISTANCE
 WALL HEAT TRANSFER

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 DISTRICT HEAT DIST. SYSTEMS
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 GUARDED HOT PLATE
 HEAT FLOW METER
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EXTERIOR ENVELOPE	TEMPERATURE
FIELD TEST	THERMAL RESISTANCE
HEAT FLUX	PORTABLE CALORIMETER
IN-SITU MEASUREMENT	WALL

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FENESTRATION	
OPTICS	
SOLAR HEAT GAIN	

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FINITE ELEMENT METHOD	SHALLOW TRENCH
FUEL ENERGY COST	UNDERGROUND HEAT DISTRIB. SYS.
HEAT LOSS	
LIFE-CYCLE COST ANALYSIS	

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CALIBRATION CURVES	MINIMUM RESOLV. TEMP. DIF.
INFRARED IMAGING SYSTEMS	OBJECT EVALUATION
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C-VALUE	
CALIBRATED HOT BOX	

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 WHOLE BUILDING PERFORMANCE STEADY-STATE THEORY
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 COMPUTER-PREDICTED BLDG. PERF.
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