

PREFACE

This manual is a guide for engineer personnel who are responsible for plumbing and pipefitting. The objective of this manual is to provide information on water, waste, and heating systems and basic plumbing techniques. Use this guide to help repair fixtures, leaky pipes, and valves; to make pipe joints; to install water, waste, and heating systems; and to test and service these systems.

The plumber is a person who installs and repairs water systems, waste systems, and fixtures; cuts, reams, threads, and bends pipes; caulks, solders, and tests joints or systems for leaks.

Users of this manual should be familiar with the tools used by the construction MOS in career management field (CMF) 51. This manual provides information on utility plans and drawings to include bills of material and standard plumbing and heating symbols; plumbing materials and procedures; sewerage, water supply, and heating installation; insulation material; and pumps. The entire pattern for soldiers in CMF 51 is described in Army Regulation (AR) 611-201.

The proponent of this publication is HQ TRADOC. Send comments and recommendations on DA Form 2028 directly to Commandant, US Army Engineer School, ATTN: ATSE-TDM-P, Fort Leonard Wood, MO 65473-6650.

Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to men.