

**FM 5-426**



**Carpentry**

**HEADQUARTERS,  
DEPARTMENT OF THE ARMY**

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# CARPENTRY

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## PREFACE

This manual is intended for use as a training guide and reference text for engineer personnel responsible for planning and executing theater of operations (TO) construction. It provides techniques and procedures for frame construction, preparation and use of bills of materials (BOMs), building layout, forming for concrete slabs and foundations, framing and finish carpentry, roof framing and coverings, bridge and wharf construction, and the materials used for these operations.

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

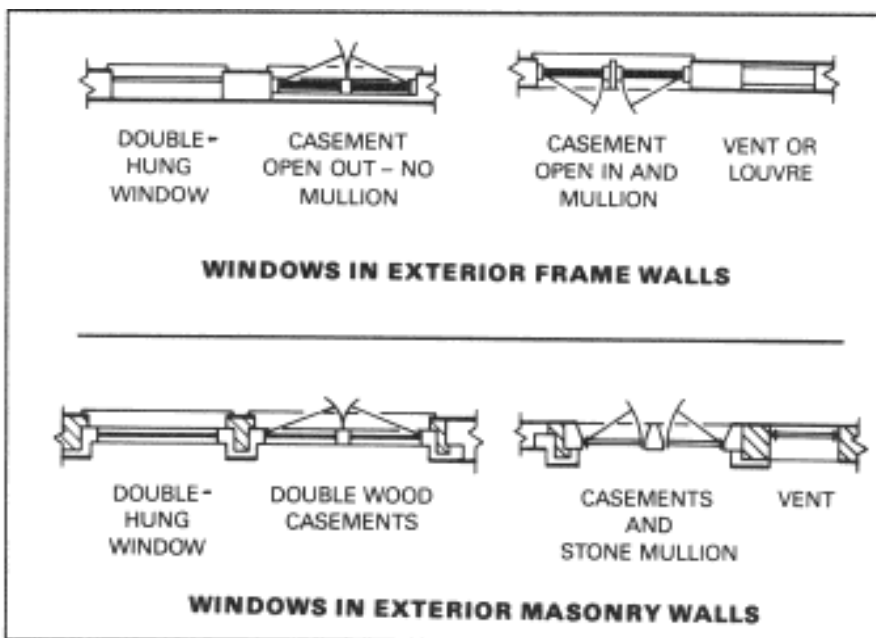


Before the carpenter can begin his work, he must have a complete set of construction drawings or prints. He must be familiar with how the drawings are prepared. He should also know how to read the drawings so that he will understand what he must do to comply with their requirements. This chapter will help the carpenter to reach that understanding

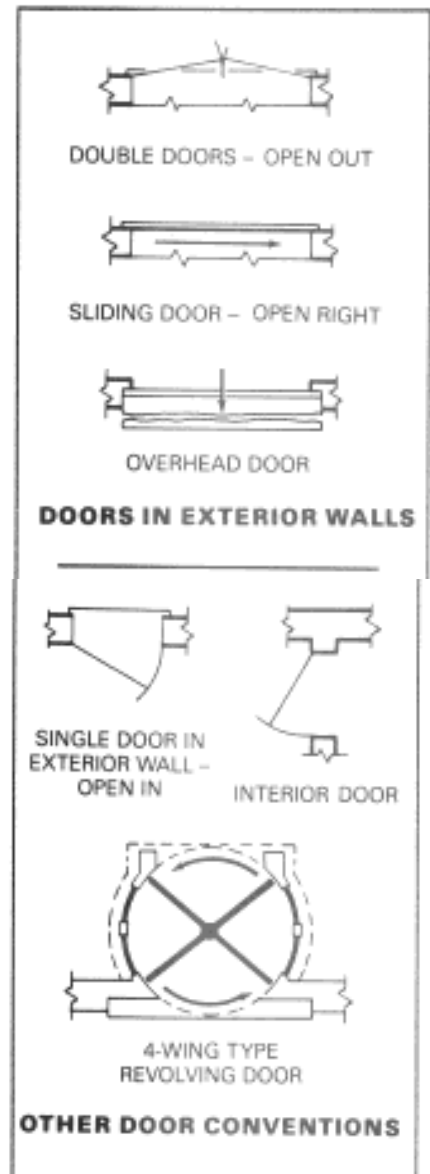
**ARCHITECTURAL SYMBOLS. LINE CONVENTIONS, AND MATERIAL CONVENTIONS**

The plan for a building must give all the details necessary to construct the building. Therefore, it usually consists of a collection of sheets, called a *set of plans*. Each sheet shows the details of a different phase or part of the construction. Several of the sheets will be devoted to floor plans. Other sheets in the set will show construction details (such as wiring, plumbing, and air-conditioning details and types and quantities of materials). Refer to Appendix A for conversion tables.

*Architectural symbols* on construction drawings show the type and location of windows (Figure 1-1), doors (Figure 1-2), and other features. They show the general shape of an actual architectural feature and show any motion that is supposed to occur.



**Figure 1-1. Window symbols**



**Figure 1-2. Door symbols**