CF&I Nails . . .
Strong, Straight and Sharp

For decades, CF&I nails have been setting the industry standard for strength, durability and holding power. As one of the nation's largest nail manufacturers, CF&I Steel offers a wide range of nails and staples. And each is available with a variety of finishes, coatings, heads, points and shanks.

When you recommend CF&I nail products to your customers, you're recommending the highest quality available.

By the time our steel completes the nail manufacturing process, our entire team has worked to ensure that our customers receive products that meet the highest standard for finish, size, head type and point. Layer-packed in 50-pound cartons, every CF&I nail you order is uniformly strong, straight and sharp.

This brochure contains information about the many types of nails and staples manufactured by CF&I. You'll find a nail for just about every need. If you have questions about which type of nail will best meet your customer's requirements, call your Davis Wire representative at 1-800-943-8206.

A Nail for Every Job

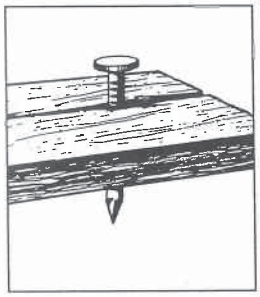
CF&I nails can be certified to meet Federal Specification FF-N-105B where applicable.

Types and finishes available include:

- **Bright**
- **CC/Vinyl Coated**
- **Hot Galvanized**
- **Galvanized Before**
- **Blued**
- **Ring Shank**
- **Screw Shank**

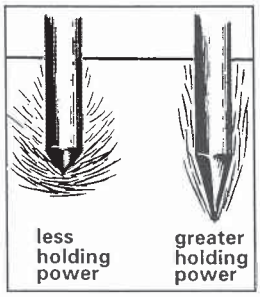
Selecting the Right Nail for the Job: Some Basics

Recommending the right nail for the job is the first step in meeting your customer's requirements. As a result, your credibility is enhanced and buyers will return to you for more nails and other products as well. Following are some basic points about nails that will help you understand our products and assist you in helping customers find the nail best suited for the job.



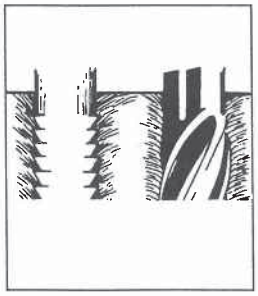
To Avoid Splitting

Soft woods have less tendency to split than hard woods. For soft woods, a sharp point (diamond point, ect.) will reduce the possibility of splitting. For hard woods, however, a blunt point, or even a pointless nail, will cause less splitting.



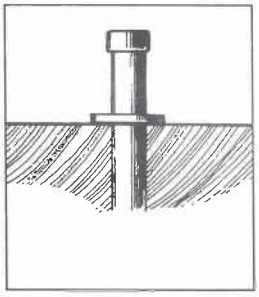
For Greatest Holding Power

The holding power of a nail is based, in part, on the amount of distortion of the wood fibers when the nail is driven. The less distortion, the greater the holding power; the greater the distortion, the less the holding power. Nails with sharp points hold the distortion to a minimum. Where the holding power is very important, cc/vinyl coated, screw shank or ring shank nails should be used.



Resisting Vibration

CF&I screw or ring-shank nails are recommended for permanent installation or where vibration can cause the nails to work loose. The special shanks are designed to engage the wood fibers as the nails are driven, to prevent the nails from backing out of the hole.



For Temporary Use

Scaffolding, concrete forms and other temporary structures require double-headed scaffold duplex nails. This type of nail is driven into the wood up to the lower head. The second hed sticks out just enough to allow easy pulling when the project is complete.

A Word About Sizing . . .

An important point to remember is that countersunk nails are measured from the top of the head to the point. All others are measured from the shank (just under the head) to the point.

Why Nails are Measured in "Pennies"

The penny system of designating nail size originated in England. Ten penny, four penny, ect., nails derived their names many years ago when 100 nails of a particular size cost tenpence (ten pennies), fourpence (four pennies), ect.

Today, the penny represents the definite length of nails measures from the head to the point. The term penny is still designated by the English pence sign - *d*.

Nails start at the 2d size (1" in length), and range up to 60d (6"). The 2d through 16d increase in size by quarter-inch increments. For example:

2d = 1" 3d = 1 ¼"

Nails above 16d increase by half-inch increments. Nail lengths shorter than 2d or longer than 60d are shown in inches and/or fractions thereof.

CF&I Special Finishes, Coatings and Heat Treatments

Blued nails undergo a thermal sterilization treatment and are untouched after treatment.

Galvanized nails are tumbled in molten zinc to assure a heavy, galvanized coating, which makes then weather resistant in even the most severe climate conditions.

Galvanized Before nails are manufactured from galvanized wire. These nails have a smooth, bright finish and are ideal for outdoor applications.

CC/Vinyl Coated nails are coated with a vinyl resin which heats up during driving to act as a lubricant, then cools once the nail is set, bonding the nail to the wood. Use of a cc/vinyl coated nail assures a minimum 50% increase in holding power over a similar bright finish nail.