

## 08 70 00 – Hardware

### 1. General

- A. Steel frame units shall be prepared to receive mortised and concealed hardware (including cutouts, reinforcing, drilling, and tapping) in accordance with the final finish hardware schedule and templates provided by hardware supplier. Comply with requirements of ANSI A115.1.
- B. For concealed overhead door closers or holders, space, cutouts, reinforcing and provisions for fastening in tops of doors or in frame heads shall be provided as applicable. Reinforced steel units to receive surface-applied hardware shall be drilled and tapped for hardware to be installed at the project site. Where steel frames are specified and the doors are to be mortised at the factory, the door supplier shall be responsible for coordinating hardware location. If they are to be mortised at the site, proper hardware location will be the responsibility of the trade doing the work.
- C. Minimum gauges for reinforcing doors for required finish hardware are as follows:
  - 1. Hinges and pivots: steel plate 7 gauge thick x 1 1/4 inch wide x 9 inch high, secured with at least six spot welds
  - 2. Mortise locksets and deadlocks: 16 gauge steel, secured with at least four spot welds
  - 3. Cylindrical locksets: 16 gauge steel, secured with at least four spot welds
  - 4. Flush bolts: 12 gauge steel, secured with at least four spot welds
  - 5. Surface-applied closers: 12 gauge steel
  - 6. Surface-applied exit devices: 14 gauge steel (except when thru bolts or sheet metal screws are specified)
  - 7. Automatic door bottoms: 16 gauge steel for mortise type
- D. Steel frames for finish hardware shall be reinforced as follows:
  - 1. Strike reinforcements: steel plate 12 gauge thick x 1 1/2 inch wide
  - 2. Floor anchors shall be securely welded or screwed inside each jamb with two holes provided at each jamb for floor anchorage. Where scheduled, adjustable floor anchors shall provide not less than 1 inch height adjustment. Minimum thickness of floor anchors shall be 16 gauge and shall be warranted against blistering, cracking, peeling or chipping for a period of 15 years from the date of installation.