

**ENGINEERING DETAILS for
SERIES HW 90 FRAME
For 1- 3/4" Doors**

Specifications

1. Frames shall be manufactured of 14 or 16 gage Steel per ASTM A 1008, 568 & 569. OR A60 Galv. Per ASTM A924 & A653
2. Frames shall be knocked down for field assembly. Milners shall have a precision hairline joint when assemble.
OPTION: Corners shall be arc-welded and ground smooth, and frames shall be provided with steel bottom spreader.
3. Heads shall be reinforced for surface applied closers, holders, or brackets when required.
4. Dual purpose hinge reinforcements shall be 3/16" thick. It comes equipped with Galvanneal back-up filler plate for standard weight hinges. Conversion from standard weight to heavy weight hinges is done by removing the filler plate. All reinforcements for hinges and strikes shall have steel-plaster guards.
5. Frames are available for Nominal 3'-0" X 7'-4" and prepped for use with Existing Opening Anchors to suit wall conditions. Frames shall have floor clips at bottom of all jambs for attachment to finished floor.
7. Frames shall be prime painted by Pioneer's exclusive "DURA-BOND" process, consisting of a wash, phosphate treatment, "flo-coat" painting and oven baking in compliance with ANSI A250.10-2004.
8. Frames are furnished with WHI Label for ± 90 PSF, qualifying for use in Hurricane areas (EXCEPT HVHZ-MIAMI DADE COUNTY) in compliance with ANSI A250.13-2003 when used with listed hardware and classified Door.
9. Frame construction complies with ANSI A 250.8-2003 (SDI -100)
11. Hardware preparations and reinforcements comply with ANSI A250.6-2003. Locations are in accordance with ANSI/BHMA A156.115-2006

