

SCOPE:

This bulletin covers details and features of the subject door.

PURPOSE:

To inform the reader of the construction features, specifications and available types of this door Series.

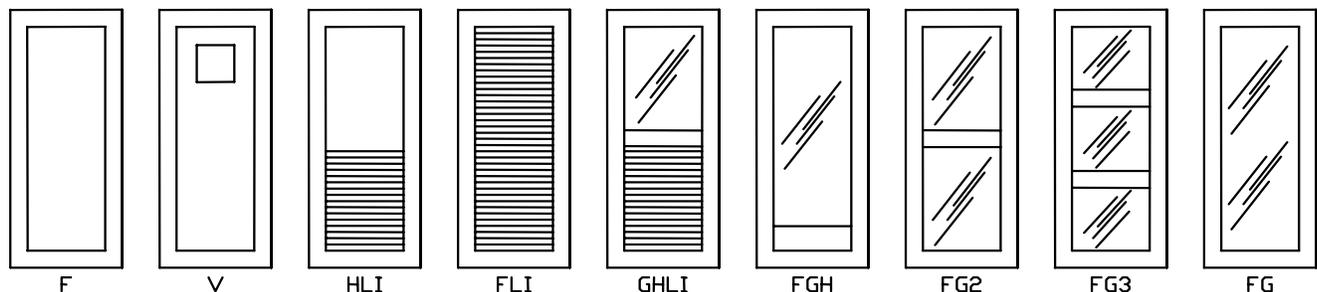
DESCRIPTION:

- Where flush panels are specified, note the chart on Page D-5.0 covering in detail the applicable physical properties of Amweld’s Super-Core material. Super-Core, the rigid foam plastic core in slab form is bonded to flush panels with an adhesive bead pattern approx. 4” on center.
- The 300 Series doors are designed and fabricated to meet requirements found in extra heavy-duty unit specifications such as ANSI A250.8 Level 3 Model 3.
- The stile and rail construction is superior in strength and integrity to a modified flush type door.
- Perimeter stiles and rails may be optionally ordered with fiberglass insulation for additional sound deadening or thermal performance.

SUMMARY:

Amweld’s 300 Series door program includes a full range of styles that are engineered to meet all extra-heavy duty specification requirements.

AVAILABLE STYLES:



300 SERIES 1 3/4” SPECIFICATIONS

Contractor shall furnish and install steel doors as manufactured by Amweld Building Products, in all openings except as otherwise provided for in the specifications.

CONSTRUCTION:

Doors shall be of rigid rail-and-stile construction in flush panel design. Stiles and rails shall be of 16 gage steel reinforced with channels, face welded and ground smooth at the corners. Panels shall be of flat, 18 gage steel, securely bonded by a thermosetting adhesive to Amweld's Super-Core, a 1# density, odorless, rigid foam that is resistant to fungus, bacteria, moisture, mildew and rot. Optional insulation in perimeter stiles and rails is a 0.6# density fiberglass.

LABELS:

Available with UL (FG) or WHI (FG – FGH – FG2 – FG3) 20-minute x no hose stream based on UL-10C positive pressure (Single doors only, 4'-0" X 8'-0" maximum).

HARDWARE:

Preparations for field installation of locksets shall comply with ANSI/BHMA A156.115. The lock reinforcing shall be 14 gage, pierced and tapped for mounting specified locksets. Mounting holes for surface applied escutcheons shall be drilled in the field by others. All doors require locksets with flat faces.

Hinge mortises shall be reinforced with 10 gage steel (7 gage optional) welded in place. Piercing and tapping shall accept 1 1/2 pairs of 4 1/2" x 4 1/2" template hinges (5" regular or heavyweight optional). Hinges furnished by others. Mortises shall extend the full width of hinge stile and filler plates shall be provided to permit installation of hinges for right or left hand swing, as specified. 4 1/2" hinge preparation shall accept both regular and heavy weight hinges.

When specified, a closer reinforcing and/or 14 gage push-pull and exit device reinforcing shall be furnished. Reinforcing must be drilled and tapped in the field. 8" top rails (glazed units only) may be required for certain parallel arm closers. Consult hardware templates.

Inactive leaves, where called for on drawings or in the door schedule, shall be mortised and reinforced with 16 gage steel for top and bottom flush bolts and 4 7/8" Universal strike in compliance with ANSI/BHMA A156.115. Inactive leaves of pairs of doors are available with factory installed wrap-around astragal, or without astragal, for use with purchased weather-stripping. Flush bolt preparation is optional. Inactive leaves to be used with push-pull plates or rim-panic devices shall have blank panels and be furnished without astragals.

GLAZING:

Doors of half glass or full glass types shall be furnished with formed 20 gage CR/GAL steel vision frame of the screw fastened type, to permit selection of secure side in the field. Glazing arrangements shall accommodate 1/4" thick glass, supplied by others.

LOUVERS:

Louvers shall be of insert type with inverted "V" or "Y" blades.

FINISH:

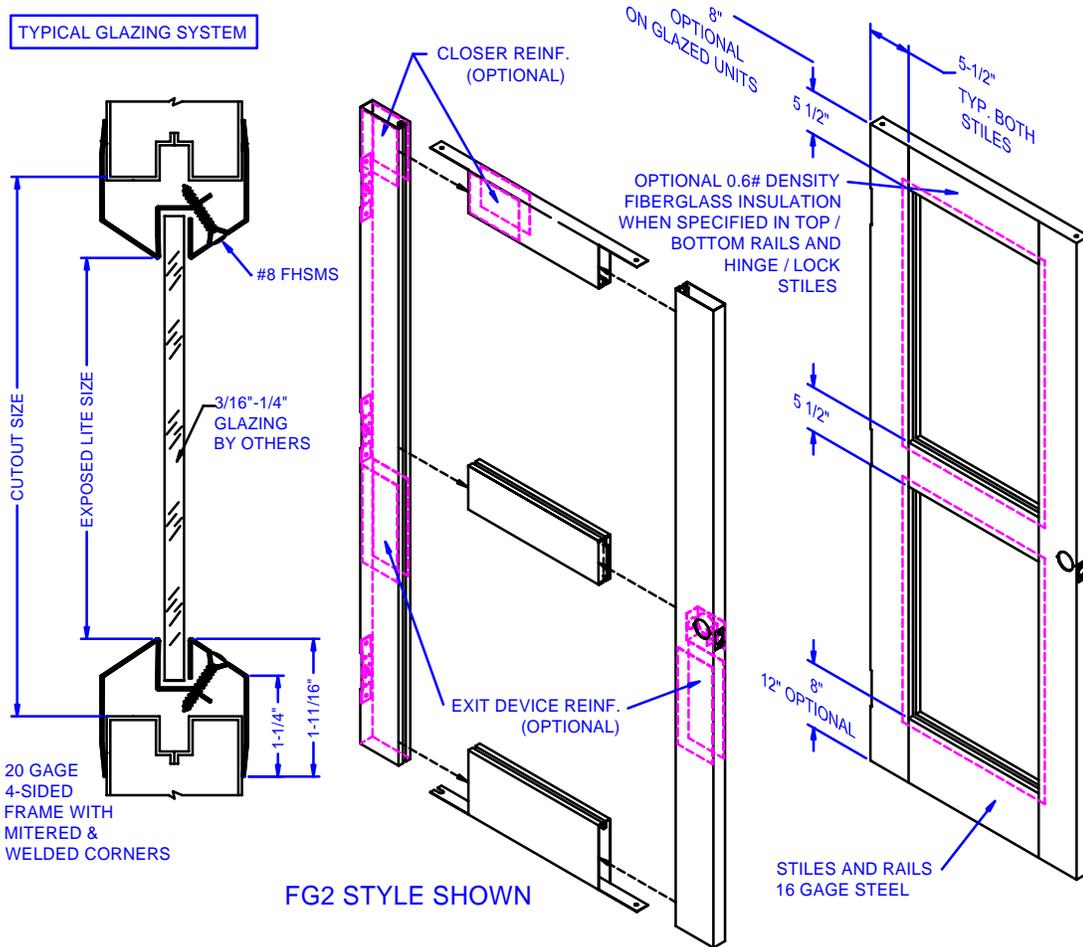
Exposed surfaces on doors shall be cleaned and given one coat of synthetic resin, rust-inhibitive alkyd enamel primer.

STANDARD DOOR SIZES:

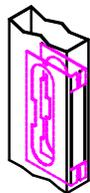
Width 2'0"⁽¹⁾, 2'4"⁽¹⁾, 2'6"⁽¹⁾, 2'8"⁽¹⁾, 3'0", 3'4", 3'6", 3'8", and 4'0"
 Height 6'8", 7'0", 7'2"⁽²⁾ and 8'0"⁽³⁾

Undercut 3/4" standard. Contact Amweld for other options.

- (1) Doors under 3'0" not available in F designs.
- (2) 7'2" high doors are limited to the F, G, GHLI, FG and FLI elevations and or blank lock preparations. Muntin kits not available for 7'2" units.
- (3) 8'0" high doors are limited in width from 2'6" – 4'0" to the F, G, GHLI, FG and FLI elevations and Fed. 86 blank lock preparations.



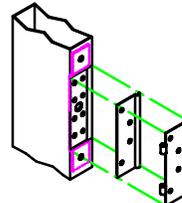
TYPICAL LOCK PREPARATIONS



ANSI/BHMA A156.115 (MORTISE)



ANSI/BHMA A156.115 (BORED)



NON HANDED HINGE



16 GAGE STEEL BOTH LOCK / HINGE STILES

HINGE DETAIL

PANIC REINF.