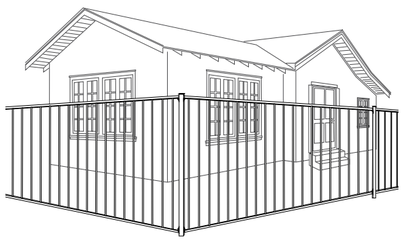
Free

Reverso en español

Merchants Metals®

the first name in fence solutions

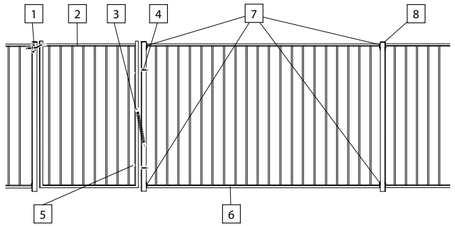
Ornamental Steel Fence Planning & Purchasing



Install Yourself
Step-By-Step Guide

LOWE'S NEVER STOP IMPROVING

PARTS LIST / FENCE COMPONENTS



1. STRIKER AND RECEIVER LATCH
2. WALK GATE
3. GATE SPRING
4. GATE POST HINGE
5. GATE FRAME HINGE
6. PANEL
7. MOUNTING BRACKET W/TEK SCREW
8. POST AND CAP

MATERIALS CHECKLIST

	ITEM NAME	DESCRIPTION	QUANTITY	✔
1	STRIKER AND RECEIVER LATCH *	1 per walk gate 1 per double gate		
2	WALK GATE	1 per walk gate 2 per double gate		
3	GATE SPRING *	1 per walk gate 2 per double gate		
4	GATE POST HINGE *	2 per walk gate 4 per double gate		
5	GATE FRAME HINGE *	2 per walk gate 4 per double gate		
6	PANEL	Divide total footage by 8 and round up		
7	MOUNTING BRACKET W/ TEK SCREW	2 rail = 4 per panel 3 rail = 6 per panel		
8	IN GROUND POST AND CAP or	Add 1 to the total number of panels		
9	SURFACE MOUNT POST AND CAP	Add 1 to the total number of panels		

* Contained in Complete Gate Hardware Kit

TOOLS CHECKLIST

- ☐ POST HOLE DIGGER
- ☐ SHOVEL
- ☐ TAPE MEASURE
- ☐ STRING LINE
- ☐ MARKING PEN
- ☐ ADJUSTABLE WRENCH
- ☐ EYE PROTECTION
- ☐ WHEELBARROW
- ☐ RECIPROCATING SAW WITH BI-METAL BLADE
- ☐ POWER DRILL WITH 1/8-IN & 1/2-IN METAL DRILL BITS (masonry drill bit may be needed for surface mount post)
- ☐ STAKES
- ☐ GLOVES
- ☐ LEVEL
- ☐ CHALK
- ☐ CONCRETE

PLAN YOUR FENCE BELOW

Each square box may represent any distance best suited for your application

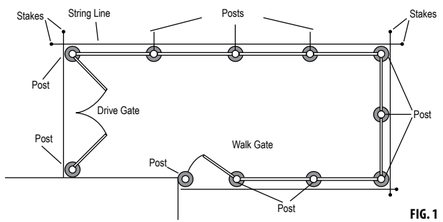


FIG. 1

DETERMINE FENCE LAYOUT

Determine property line and fence layout as illustrated. (FIG. 1) Starting 4-in inside the property lines to avoid encroaching on adjacent property, drive in stakes to establish the fence layout. Run a string around the stakes to mark your fence line and measure to determine quantity of decorative fence panels and components required.

CALL BEFORE YOU DIG:

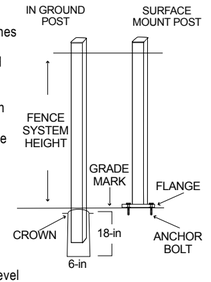
Contact local utility companies or call 811 to confirm the location of underground cables or pipelines.

#1 DIG & SET POSTS

1
Locate post placement and set in the following order along the string line:
A. Gate posts (see gate installation steps to ensure proper spacing)
B. End/corner posts
C. Line posts

FIG. 2

2
If using an In Ground Post, dig holes 18 inches deep and at least 6 inches wide. Or, if using a Surface Mount post, use masonry drill and anchor bolts to set post in proper position.
A. Posts for Standard and Galvanized grade panels should be set at 96-3/8-in on center
B. Posts for Galvanized Heavy Duty grade panels should be set at 94-3/8-in on center



3
Make sure posts are in line and spaced correctly.

4
Using a level, make sure posts are plumb, level and square.

5
Allow 24 hours for concrete to cure.

#2 PANEL INSTALLATION

1
Once concrete has cured and posts are secure, insert mounting brackets into rails and physically position panel between posts to establish proper height. Make sure the panel is level.
Note: Flat Top Panels should be positioned with top rail 1/8-in below post cap.

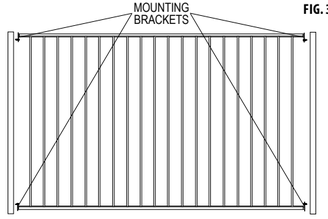
2
With Mounting Brackets inserted into ends of the rails (top and bottom) and panels in level position, mark position of bracket holes on posts with chalk.
Note: Mounting Brackets should be positioned with the flange pointed toward the middle of the panel.

3
Pre-drill 1/8-in pilot holes in chalk marks.

4
With Mounting Brackets inserted into ends of rails, secure brackets to posts with self-tapping TEK screws.
Note: Attach both top ends of the panels before attaching lower brackets.

5
Secure bottom Mounting Brackets to posts with additional self-tapping TEK screws.

FIG. 3



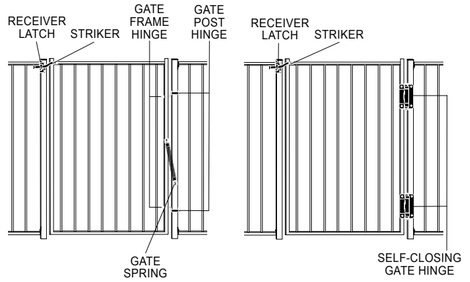
#3 GATE LAYOUT & INSTALLATION

1
Gate posts should be set at:
A. 2-in (inside of post to inside of post) wider than the actual gate width if using self-closing hinges.
B. 3-1/2-in (inside of post to inside of post) wider than the actual gate width if using Complete Gate Hardware Kit.

2
Attach hinges to the gate first and then the post.
Note: If using Complete Gate Hardware Kit, 1/2-in holes must be drilled in the gate frame to accept the J-bolt gate frame hinges.

3
Mount Striker across the top rail of the gate and the Receiver Latch with corresponding placement on the latch post.

4
Mount & tension Gate Spring:
A. For Complete Gate Hardware Kit: mount the Gate Spring between the hinges on the gate and post with the high side of the Gate Spring on the gate. Set tension to the desired level.
B. For self-closing hinges: simply use an allen wrench to set the tension at the desired level.



POOL SAFETY

Before installing pool fencing, consult your local building codes for height, hardware, spacing, ground clearance and other specific requirements. Due to variation in local ordinances & fencing requirements around pools, Merchants Metals does not certify any latches or hinges as meeting applicable pool codes. Installer and home owner should contact the local regulatory agency for inspection and ruling on compliance.

Merchants Metals®

the first name in fence solutions

Additional items available for order.

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