

*model no:*



CY427D, CY427P, CY427R, CY427S,  
CY428D, CY428P, CY428R, CY428S

**WABASH VALLEY**

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## COURTYARD SERIES

**8' BENCH & LOW PROFILE, PORTABLE & SURFACE MOUNT  
EXPANDED METAL, PERFORATED, RIB, & SLAT**

### *customer service:*

**ASSEMBLERS:** If you find any parts missing or damaged, or if you're having difficulty assembling your furniture/equipment, call us at: Any correspondence concerning our product should be sent directly to our **Customer Service Manager** at:

\* Before calling, have your product model number available.

**1-800-253-8619 (Inside U.S.A.)  
260-352-2102 (Outside U.S.A.)**

Monday thru Friday,  
8:00 AM - 4:30 PM Eastern Time  
(EXCEPT HOLIDAYS)

Wabash Valley Manufacturing, Inc.  
505 E. Main Street  
P.O.Box 5  
Silver Lake, IN 46982 U.S.A.  
FAX: 260-352-2160

### *maintenance:*

Regular inspection and maintenance of all parts, and fasteners is necessary. Tighten all bolts and nuts. Inspect Tops, Seats, Legs, Braces and Fasteners periodically for wear or vandalism. Replace broken or worn parts immediately or take equipment out of service until repairs are made. Use genuine Wabash Valley replacement parts.

To restore plastisol coating to its luster after prolonged use, wash/rinse/dry and use Armor-All ® or similar quality vinyl protectant.

**KEEP THIS ASSEMBLY/SPECIFICATION SHEET FOR FUTURE REFERENCE.**

### *specifications:*

**NOTE: We reserve the right to change specifications without notice.**

Heat fused poly-vinyl coating, finished on inner-metal structure, to an approximate 3/16" thickness. Framework assemblies are finished with powder coating; electrostatically applied and oven cured according to powder manufacturer's specifications. Fasteners are stainless steel to resist corrosion.

#### **BENCH LEG:**

Low profile seat legs are constructed of 319 cast aluminum. The leg thickness is 1 1/2" and the foot pads are 5 1/8" long x 2 3/8" wide. The overall height is 21". Bench leg thickness is 1 1/2" and the foot pads are 5 1/8" long x 2 3/8" wide. The overall height is 33 1/2".

#### **BENCH SEAT:**

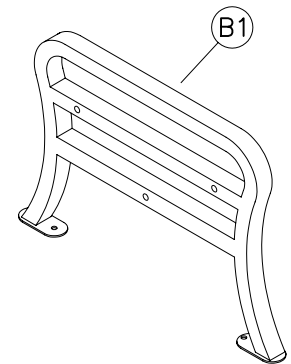
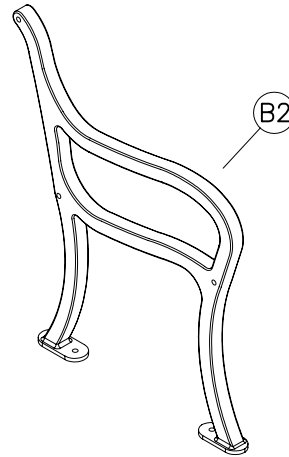
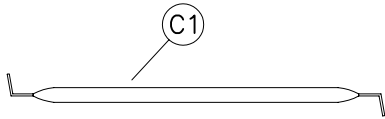
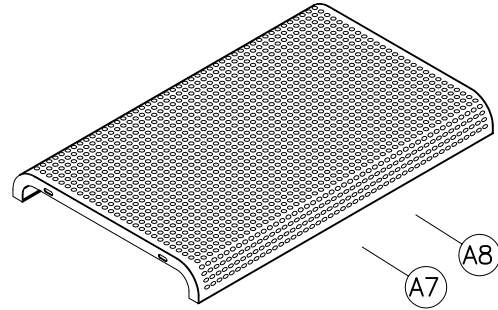
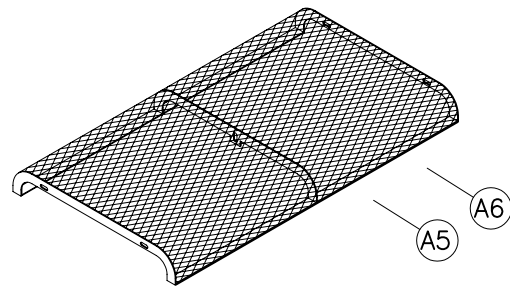
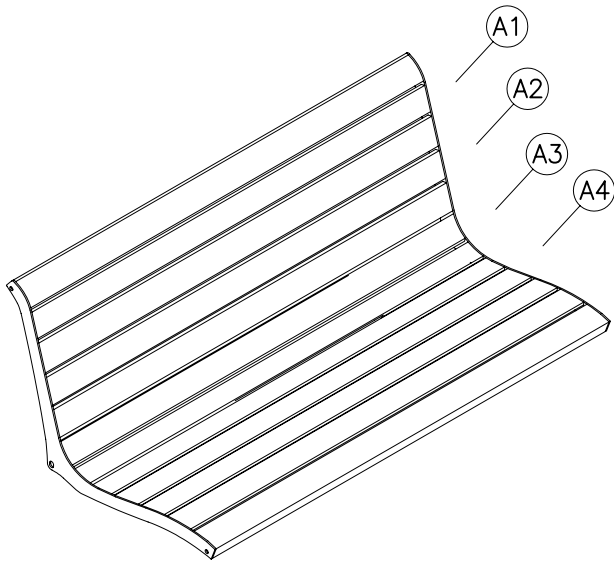
Expanded metal seat uses fabricated 3/4" #9 steel mesh. Rib uses 10 gage and perforated uses 12 gage sheet steel. The frame/mounting brackets are 10 gage sheet steel. The ends of the low profile uses a 1/2" diameter steel rod to add support on the 4' and 6' low profile benches. All other benches use 1/4" x 1 1/4" steel flat bar for support at the rolled sides.

#### **GENERAL:**

8' Courtyard bench ground requirements are 27 3/4" x 100 3/4". The bench seat is 72 1/8" long x 25 3/4" wide and 16 5/8" to the top of the lowest part of the bench's seat.

8' low profile bench ground requirements are 30 3/8" x 100 3/4". The bench seat is 48 1/8" long x 30 3/8" wide and 16 3/8" to the top of the bench's seat.

**parts identification:**

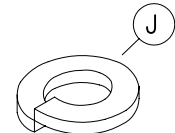
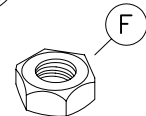
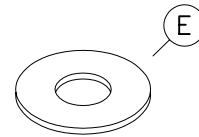
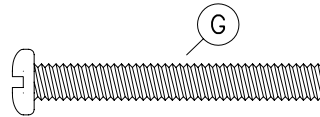
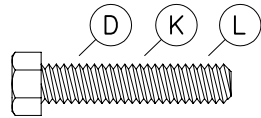


ITEM	PART#	DESCRIPTION	QTY
A1	8213	4' COURTYARD - EXPANDED METAL	2
A2	8215	4' COURTYARD - RIB	2
A3	8214	4' COURTYARD - PERFORATED	2
A4	8216	4' COURTYARD - SLAT	2
A5	7659	4' LOW PROFILE - EXPANDED METAL	2
A6	7704	4' LOW PROFILE - RIB	2
A7	8013	4' LOW PROFILE - PERFORATED	2
A8	8119	4' LOW PROFILE - SLAT	2
B1	7489	COURTYARD WITHOUT BACK	2
B2	4007	LEG WITH BACK	2
C1	7290	4' LOW PROFILE BRACE	4

**hardware identification:**

ASSEMBLY TOOLS REQUIRED

- 1 - REGULAR TIP SCREWDRIVER
- 2 - 1/2" WRENCHES
- 1 - 3' OR 6' LEVEL



ITEMS INCLUDED IN HARDWARE PACKAGE#

ITEM	PART#	DESCRIPTION	21051	21052	21053	21055
D	17011	5/16-18 x 1 1/2" HEX HEAD BOLT - SS	0	0	2	0
E	17028	3/8" WASHER - SS	6	6	10	6
F	17032	5/16-18 HEX FINISH NUT - SS	6	3	8	3
G	17033	5/16-18 x 2 1/2" MACHINE SCREW - SS	6	0	6	0
J	17050	5/16" SPLIT LOCK WASHER - SS	6	3	8	3
K	17053	5/16-18 x 3 1/2" HEX HEAD BOLT - SS	0	3	0	0
L	17056	5/16-18 x 2 3/4" HEX HEAD BOLT - SS	0	0	0	3

**assembly procedures:** IMPORTANT: Assemblers should be reasonably skilled in the assembly of commercial grade/heavy duty fabricated steel equipment.

To ensure proper assembly, it is suggested that you take adequate time to locate and identify each part. To prevent scratching of the finished pieces, we recommend this unit to be assembled on a clean, flat, solid, surface with a drop cloth, allowing plenty of working room. Also please read the instructions and study the sketches very carefully. A little extra time spent before assembly will be well worth it in performing a complete, proper assembly. Please note that all parts have been pre-cut and pre-drilled.

During the assembly process leave all bolts and nuts "finger tight", until the entire unit is completely assembled. This allows room for movement to level or adjust all seats, tops, benches, framework and braces if necessary. After final adjustment and leveling, permanently tighten all nuts, bolts and fasteners.

7L

**BENCH ASSEMBLY**

**STEP 1**

Stand one (B2) leg upright on its feet. Lift upward on the arm and pivot on the rear foot pad until the leg is lying on its' back, see FIG 1. Be sure to prop the leg on both sides to prevent tipping. Place (A-) seat next to the leg and rotate upward to match position of leg.

**STEP 2**

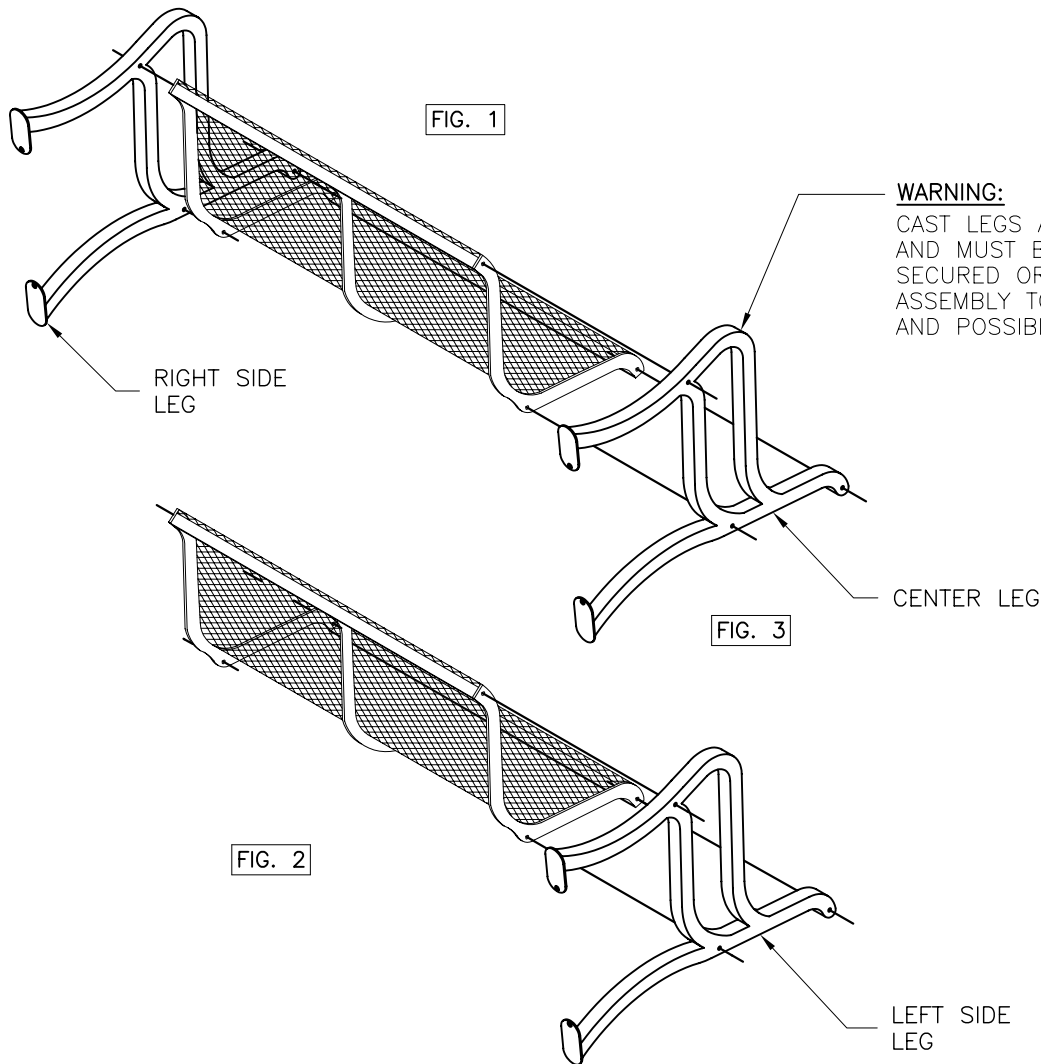
Align holes of the seat's frame/mounting bracket to the holes in the leg. Use three (G) and (F) using one (E) and one (J) per (G). Flat washers (E) must be used on the seat side.

**STEP 3**

Repeat STEP 1 and STEP 2 to complete installation of the opposite end of the second seat (A-). See FIG 2.

**STEP 4**

Align both ends of the two assemblies previously assembled with (B2) center leg bolt holes. See FIG 3. Bolt center leg (B2) to each end of benches. Use three (L) and (F) using two (E) and one (J) per (L). Flat washers (E) must be used on the seat sides.



**installation:** WARNING: The proper installation for Wabash Valley products may depend upon many factors unique to the site, location, or use of a particular product. Consult with your contractor or other professional to determine your specific installation requirements.

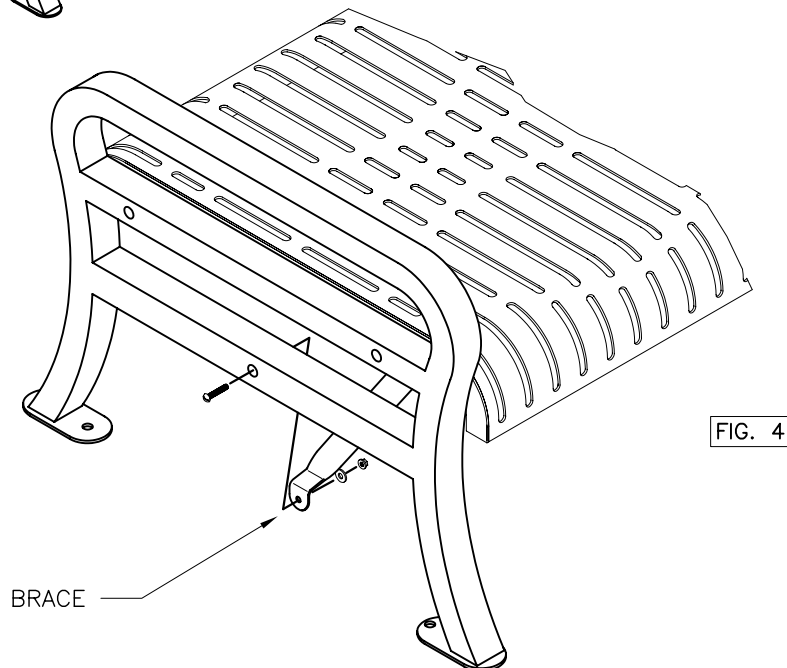
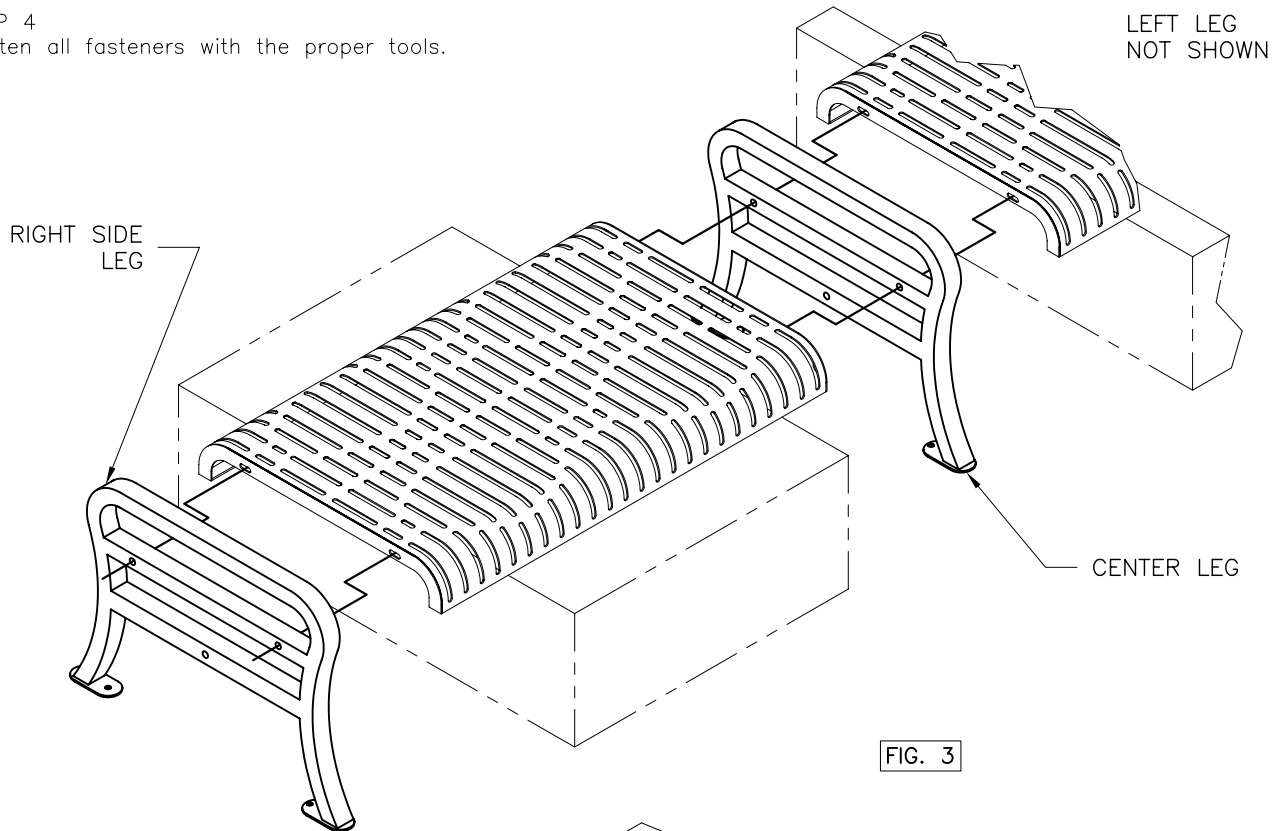
## assembly procedures cont.:

STEP 1  
Place the low profile benches (A-) on two strong sturdy objects for each bench and attach legs (B1), right and left, to the outside end of benches with one (G), (J), (F) and one (E) per (G).

STEP 2  
Align the center leg holes with the two bench mounting holes. Bolt center leg (B1) using one (K), (F), (J) and (E) per hole with the washers on the bench side, see FIG 3.

STEP 3  
Remove the bench from the objects, level the bench, attach brace (C1) to legs (B1) with one (G), (F), (J) and (E). Join braces (C1) in the middle on the low profile bench (A-) with one (D), two (E) and one (F) and (J), see FIG 4.

STEP 4  
Tighten all fasteners with the proper tools.



*product dimensions:*

