

model no:



ES527D, ES527P, ES527R, ES527S,
ES528D, ES528P, ES528R, ES528S

WABASH VALLEY

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ESTATE SERIES

8' BENCHES, LOW PROFILE BENCHES
EXPANDED METAL, RIB, PERFORATED, & 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 FRAME:

Main support legs are 319 cast aluminum. Web width is 1/4" and leg width is 2 1/2". Foot pads are 2 3/4" x 4 3/4".

BENCH SEAT:

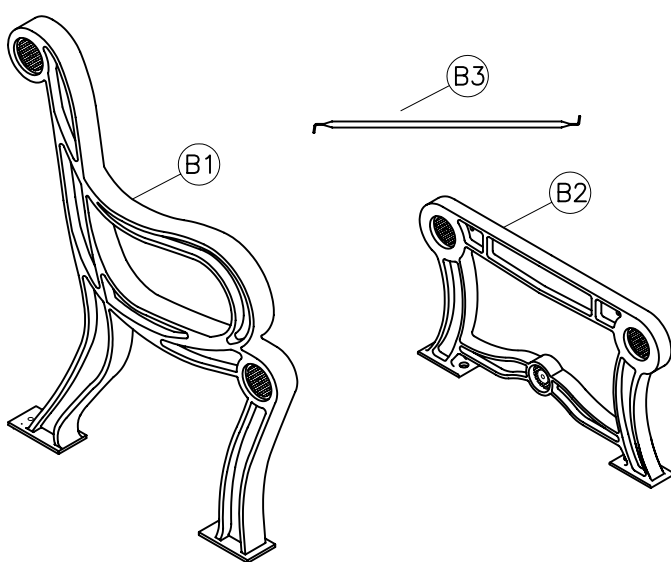
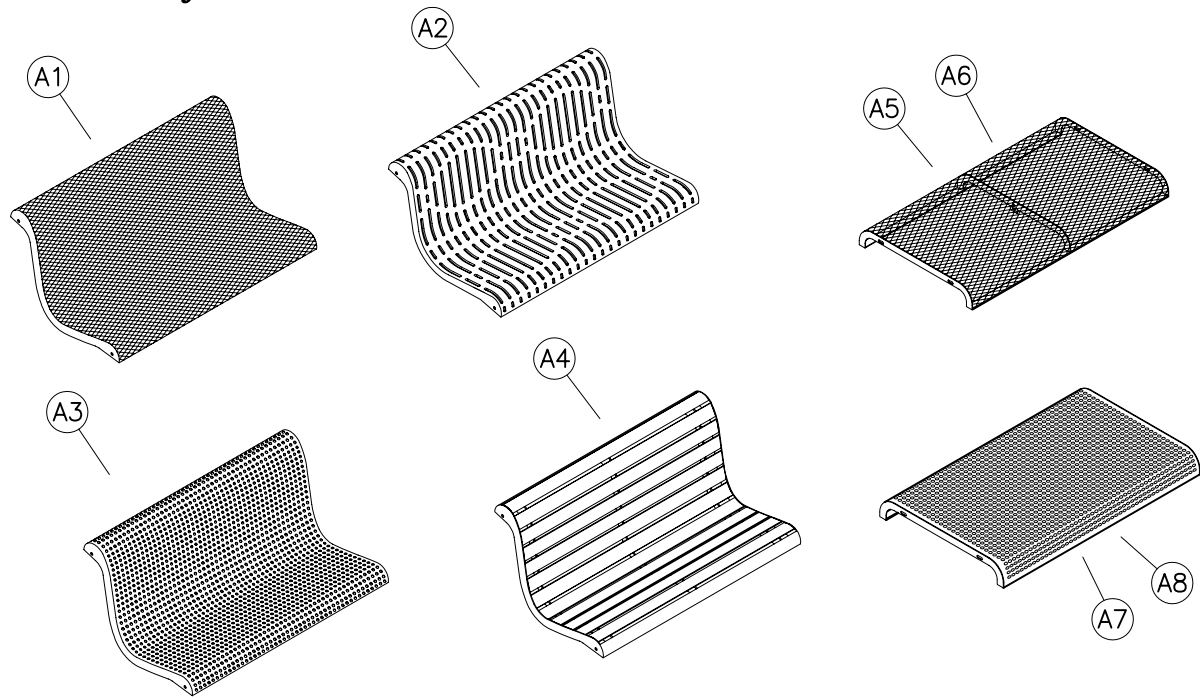
Expanded seat uses 3/4" #9 expanded metal. Rib is 10 gage and perforated is 12 gage sheet steel. Both types of fabricated metals and sheet metals are machine rolled, forming the seat's contour shape. The slats are 1/4" x 2 1/4" flat bar. The bench's frame/mounting brackets are 10 gage sheet steel. Support braces, adding support to the bench's contour shape, are 1/4" x 1 1/4" flat bar steel.

GENERAL:

8' Estate bench ground space requirements are 26 3/4" x 103 3/4". The bench seat is 48 1/8" long x 26 3/4" wide and 16 1/2" to the lowest part of the bench's seat.

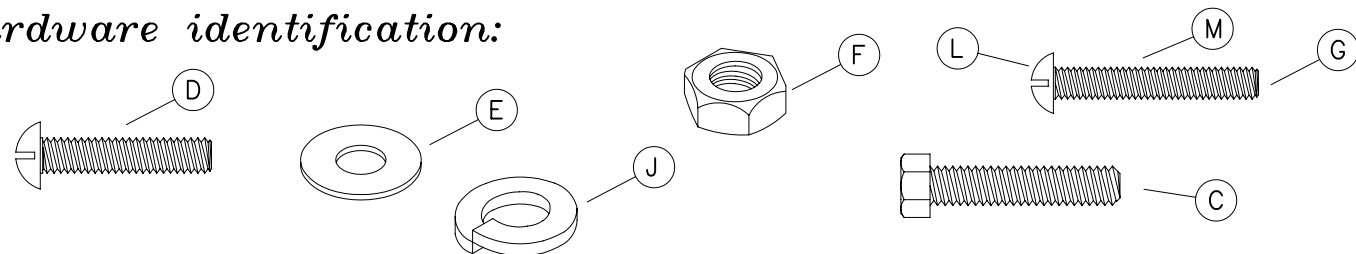
8' Estate low profile bench ground space requirements are 30 3/8" x 100 3/4". The expanded metal, rib and perforated bench seat is 48 1/8" long x 30 3/8" wide and 16 3/8" to the top of the seat.

parts identification:



ITEM	PART#	DESCRIPTION	QTY
A1	8197	4' CONTEMPORARY - EXPANDED METAL	2
A2	8199	4' CONTEMPORARY - RIB	2
A3	8198	4' CONTEMPORARY - PERFORATED	2
A4	8200	4' CONTEMPORARY - 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	8113	4' LOW PROFILE - SLAT	2
B1	4041	BENCH LEG	3
B2	4210	LOW PROFILE BENCH LEG	3
B3	7118	4' LOW PROFILE BENCH BRACE	4

hardware identification:



ITEMS INCLUDED IN HARDWARE PACK			#21159	#21098	#21052
ITEM	PART#	DESCRIPTION	QTY	QTY	QTY
C	17011	5/16-18 x 1 1/2" HEX BOLT - SS	0	1	2
D	17025	5/16-18 x 1 1/2" MACHINE SCREW - SS	0	2	0
E	17028	3/8" ID x 7/8" OD FLAT WASHER - SS	4	8	10
F	17032	5/16-18 HEX FINISH NUT - SS	4	7	8
G	17058	5/16-18 x 2" ROUND HEAD MACHINE SCREW - SS	0	4	0
J	17050	5/16" SPLIT LOCK WASHER - SS	4	7	8
L	17033	5/16-18 x 2 1/2" RND HEAD MACHINE SCREW - SS	0	0	6
M	17026	5/16-18 x 3 1/2" RND HEAD MACHINE SCREW - SS	4	0	0

ASSEMBLY TOOLS REQUIRED

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

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.**

BENCH ASSEMBLY

STEP 1

Stand one (B1) 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 two (L) and (F) using one (E) and one (J) per (L). Flat washers (E) must be used on the seat side.

STEP 3

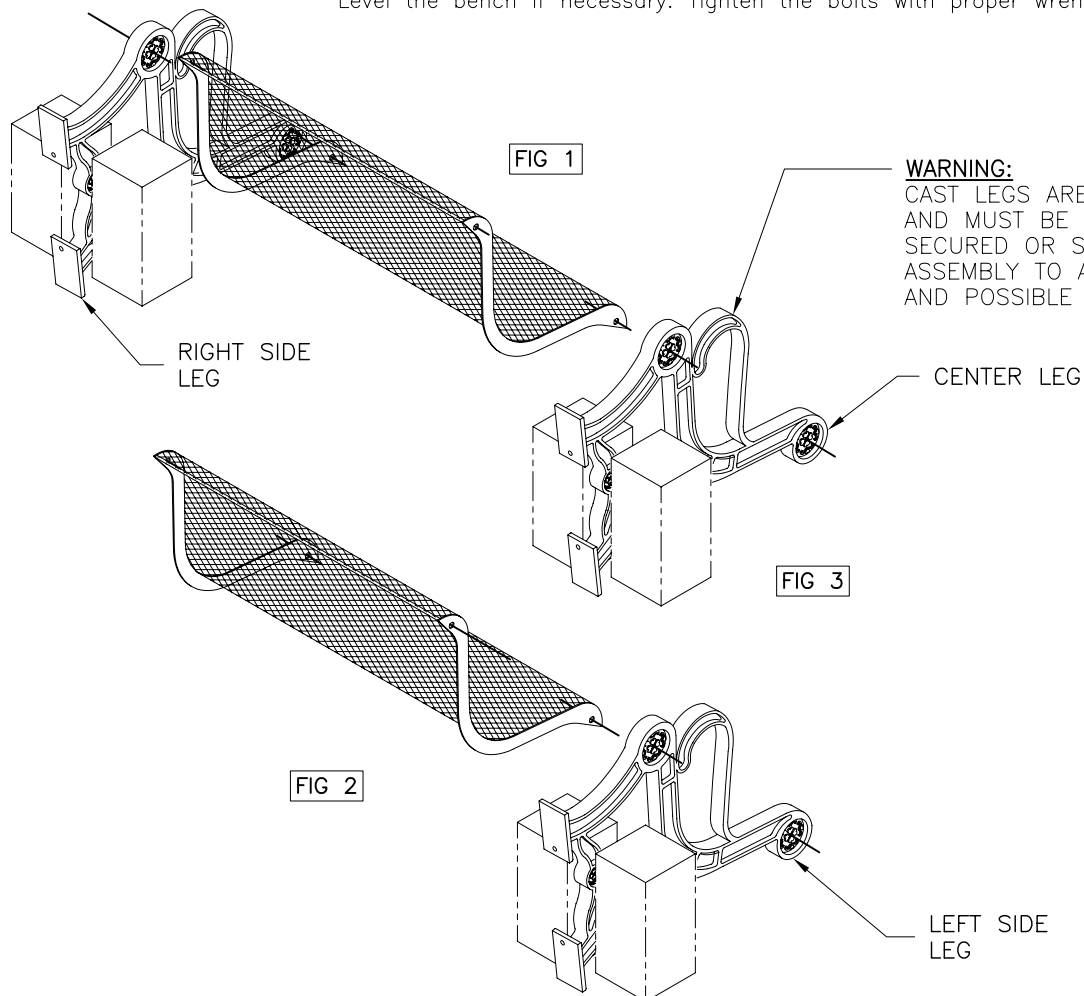
Repeat STEP 1 and STEP 2 to complete installation of the opposite end of the second seat (A-). See FIG 2.

STEP 4

Align both ends of the two assemblies previously assembled with (B1) center leg bolt holes. See FIG 3. Bolt center leg (B1) to each end of benches. Use two (M) and (F) using two (E) and one (J) per (M). Flat washers (E) must be used on the seat sides.

STEP 5

Finger tighten the bolts and rotate the bench legs to its original position in STEP 1. Level the bench if necessary. Tighten the bolts with proper wrenches.



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.

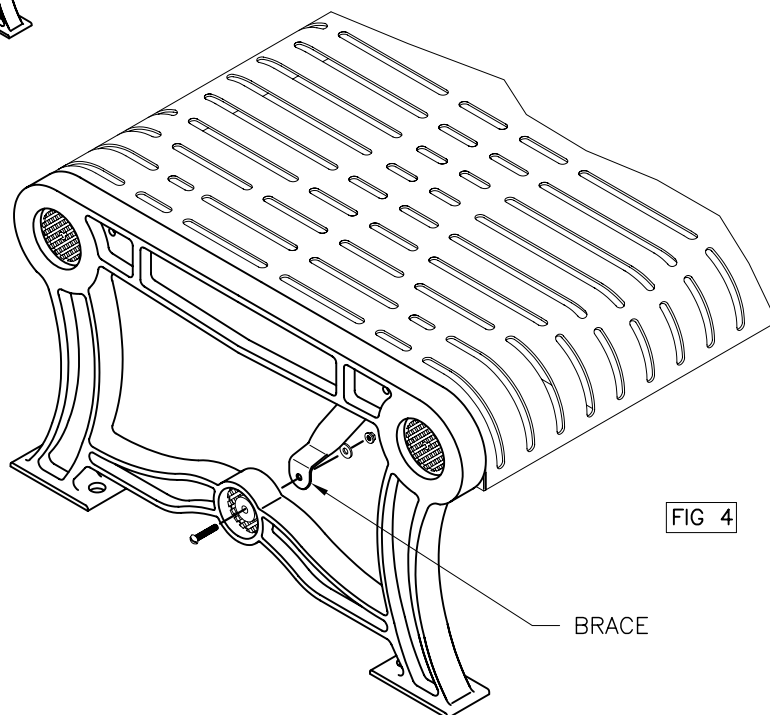
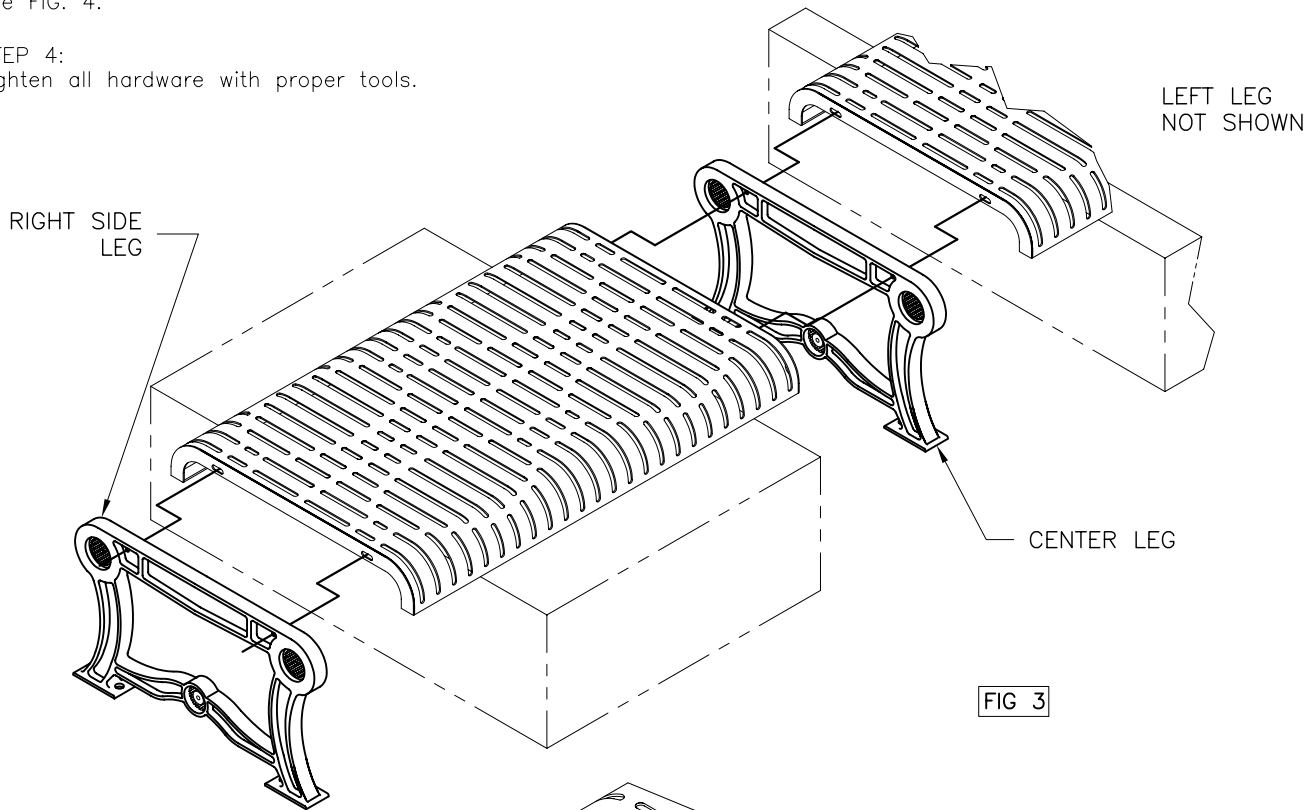
assembly procedures cont.:

STEP 1:
Place the low profile benches (A-) on two strong sturdy objects for each bench and attach legs (B2), right and left, to the outside end of benches with one (G), (F), (J) and (E) per hole with the washer on the bench side, see FIG. 3.

STEP 2:
Align the center leg holes with the two bench mounting holes. Bolt center leg (B2) using one (M), (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 (B3) to legs (B2) with one (D), (J), (F) and (E). Join braces (B3) in the middle on the low profile bench (A-) with one (C), two (E) and one (F) and (J), see FIG. 4.

STEP 4:
Tighten all hardware with proper tools.



product dimensions:

