

MEC227 BEAD SENSORY BOX

Parts List		
DESCRIPTION	QTY	PART NUMBER
L-BRACKET	8	200205
SHAPES BOX BACK	1	405250
SIDE PANEL	2	405379
WINDOW PANEL	1	405380
TOP PANEL	1	405381
STAR	4	405382
SUN	3	405383
CIRCLE	3	405384
BEAD BOX RAIL ASS'Y	1	405388
HARDWARE COMPLETE	1	405385
#10 x 1" WOOD SCREW	2	815515*
3/8" x 3/4" CARRIAGE BOLT	14	800252*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051*
3/8" x 1 1/2" CARRIAGE BOLT	2	800255*
3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
3/8" BARREL NUT	16	804804*

Unless Otherwise Specified, All Units of Measure are Each

Items listed below Hardware Complete line are included with Hardware Complete Number

Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.

Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

Note: Loctite (supplied by others) should be used on any non-patch hardware.

SPECIFICATIONS:

L-Bracket: Shall be fabricated from 3/16" x 2" hot rolled flat steel. L-Bracket will have baked on polyester powder-coated finish after fabrication.

Shapes Box Front, Side Panel, Window Panel, and Top Panel: Shall be precision cut from a single solid sheet of .750" thick UV- stabilized high-denisty polyethylene with colors molded in. The material will have a denisty of 60lbs/ft³ and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiuses and all corners for safe play.

Star, Sun, and Circle: Shall be precision cut from a single solid sheet of .50" thick UV- stabilized high-denisty polyethylene with colors molded in. The material will have a denisty of 60lbs/ft³ and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiuses and all corners for safe play.

Bead Box Rail Ass'y: Shall be fabricated from 1.029" galvanized pipe with a 3/8" pipe insert crimped in each end. Bead Box Rail Ass'y will have baked on polyester powder-coated finish after fabrication.

Hardware: All nuts, bolts, and washers, with exceptions noted, shall be 3/8" diameter 18-8 stainless steel in varying lengths, with a vandal resistant hex-pinned head configuration and factory-applied locking patch. When allowed a 72-hour cure time, the locking patch will prevent the bolt from loosening without at least 4 times the installation torque. Play & Park Structures will supply the special tool required to turn vandal-resistant hardware with each shipment. 1/2" diameter Ramp and Arch Bridge connecting hardware shall be Grade 5 zinc-plated, and 3/8" Clatter Bridge security bolts shall be Grade 8 hardened and zinc-plated.

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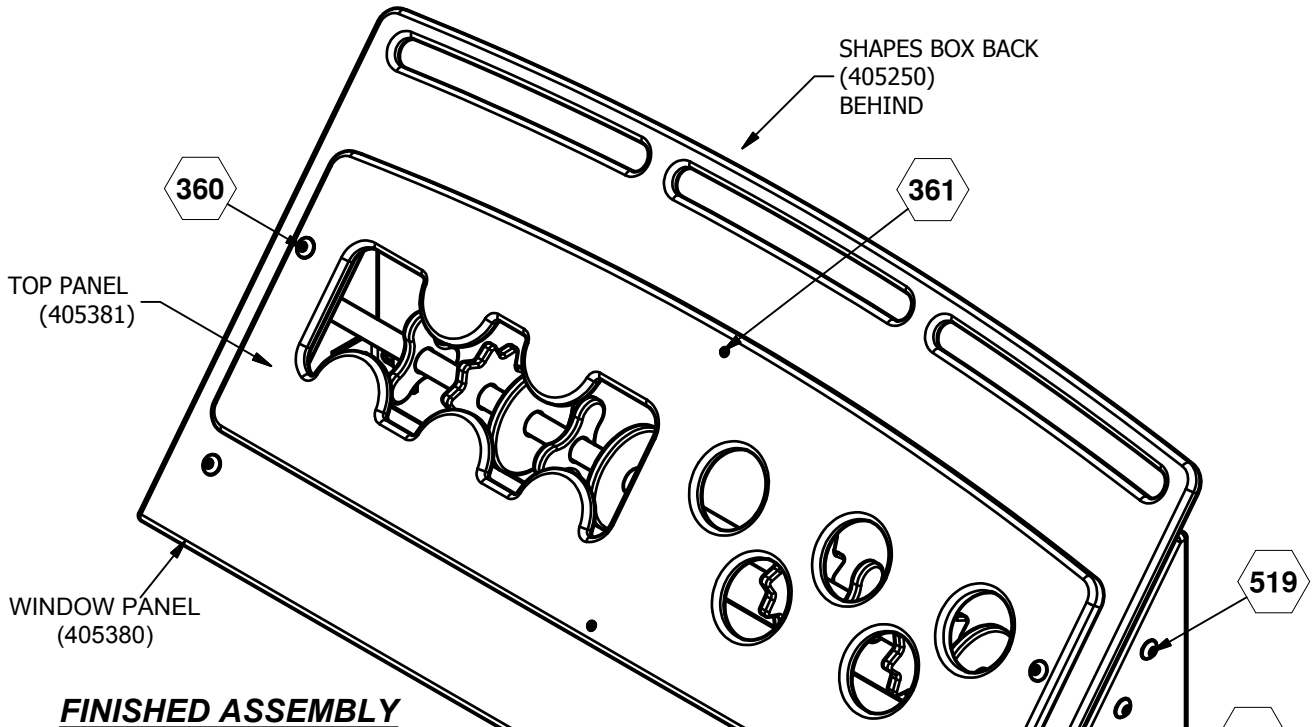
INSTALLATION INSTRUCTIONS:

1. Determine location to place the Bead Sensory Box.
2. Attach Side Panel to Shapes Box Back with L-Bracket using 3/8" x 3/4" Carriage Bolt and 3/8" Barrel Nut. See Detail 519.
3. Slide all the Sun, Star, and Circle pieces on to Bead Box Rail Ass'y. Attach the Bead Box Rail Ass'y to Side Panel using 3/8" x 1 1/4" P.B.H.C.S. w/Patch and 3/8" Flat Washer (1 1/4" O.D.). See Detail 359.
4. Attach Top Panel to Window Panel using #10 x 1" Wood Screw. See Detail 361.
5. Attach Window Panel and Top Panel to Side Panel with L-Bracket using 3/8" x 3/4" Carriage Bolt and 3/8" Barrel Nut. See Detail 519.
(Bottom Connection)
6. Attach Window Panel and Top Panel to Side Panel with L-Bracket using 3/8" x 1 1/2" Carriage Bolt and 3/8" Barrel Nut. See Detail 360.
(Middle Connection)
7. Plumb and level the entire assembly and tighten all fasteners.
8. Check that all hardware connections are securely tightened. Smooth away any sharp edges that may have been created during handling and assembly. Install resilient surfacing within the use zone of play structure in accordance with ASTM specifications F1292, and appropriate for the fall height of each structure. Refer to all applicable safety guidelines.

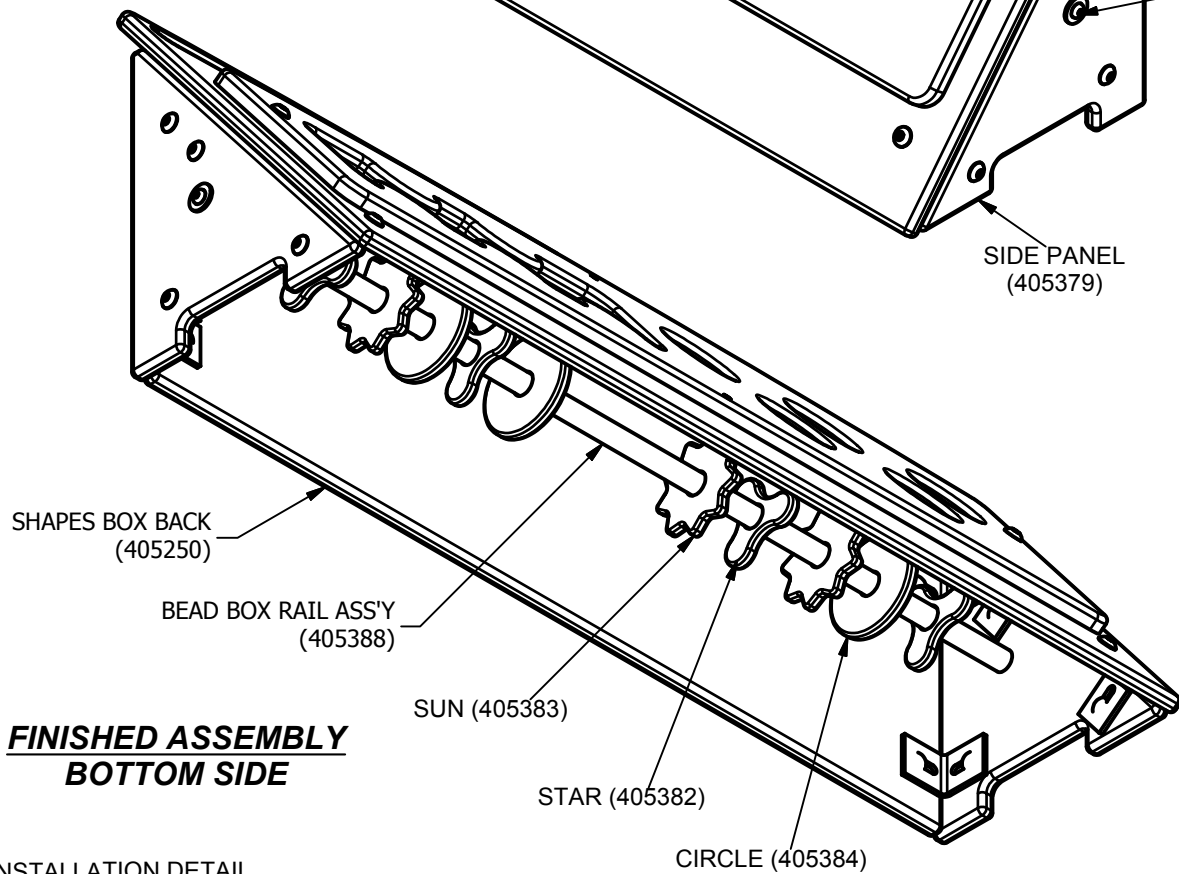
MAINTENANCE PROCEDURE:

Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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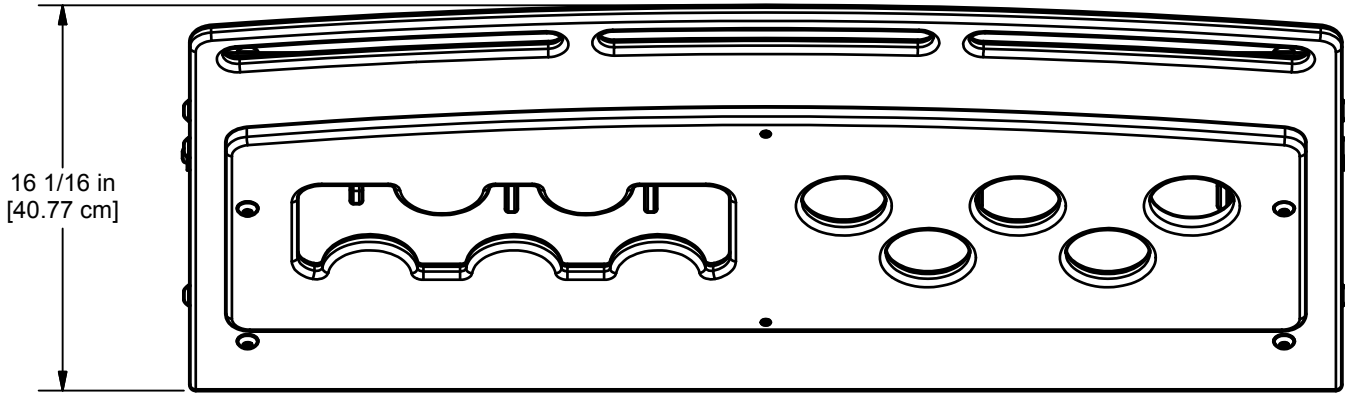
FINISHED ASSEMBLY



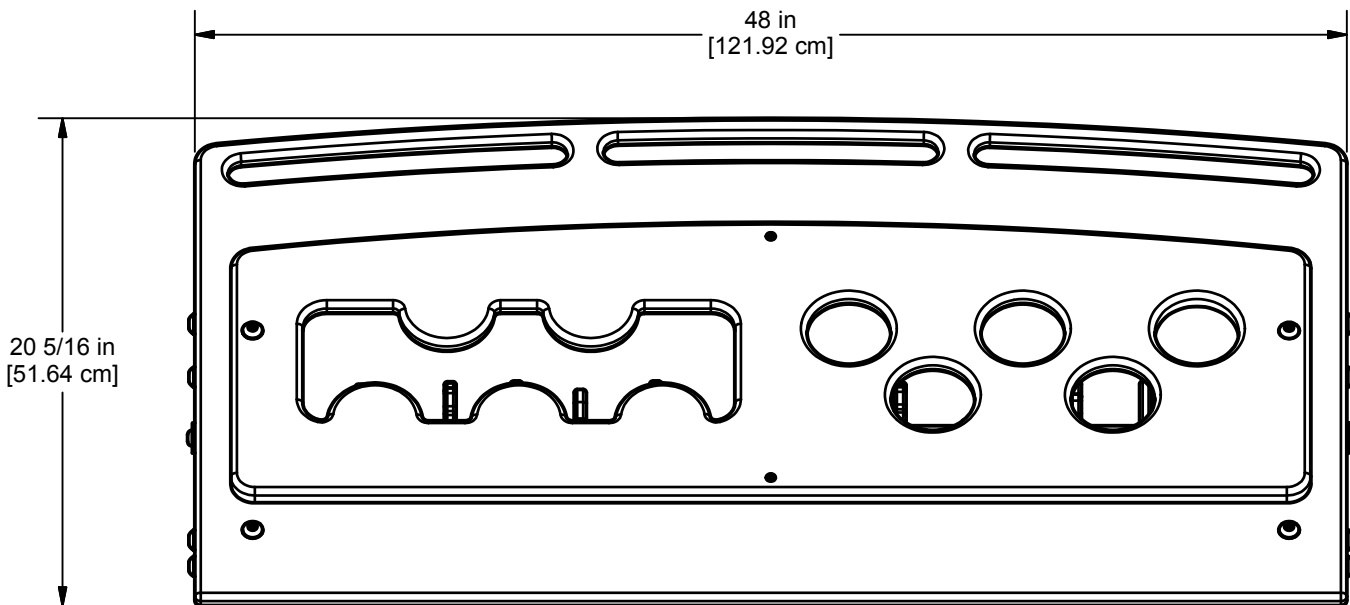
⬡ = INSTALLATION DETAIL

Issued/Revised: 10/19/15

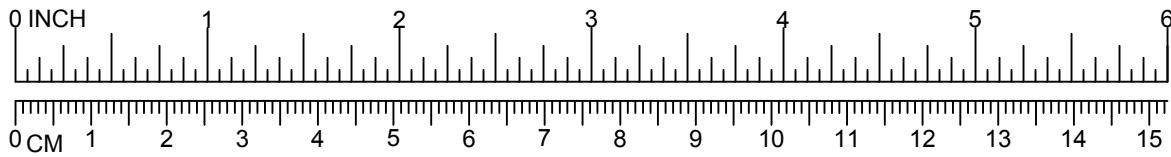
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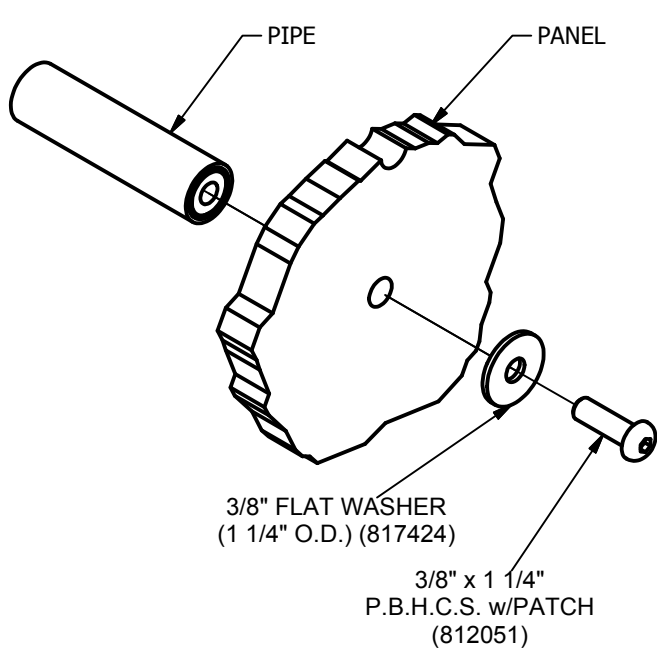
TOP VIEW



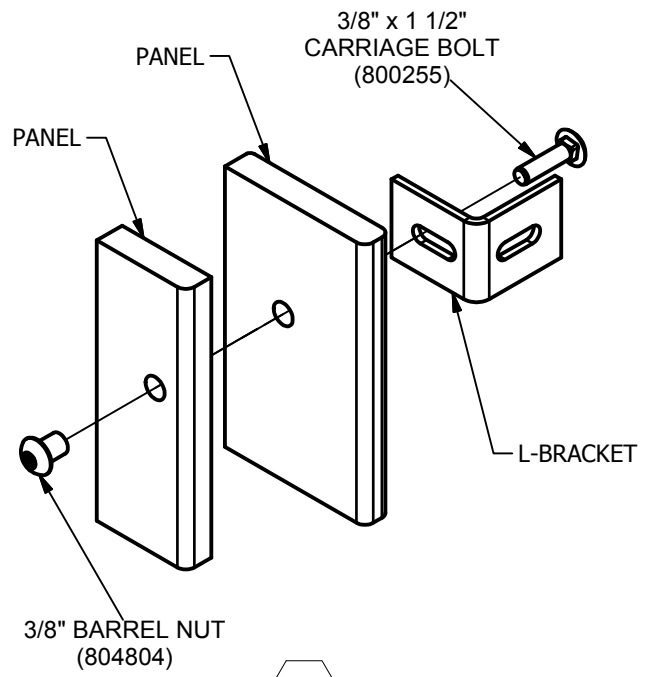
ELEVATION VIEW



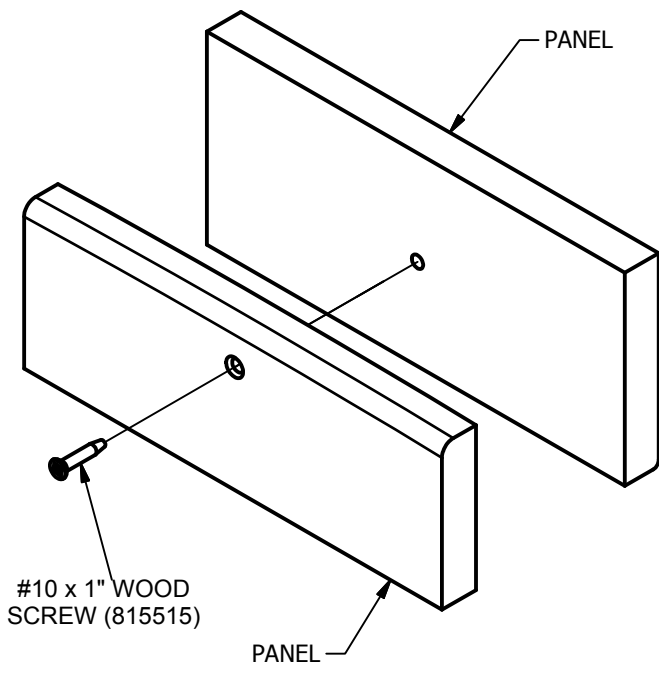
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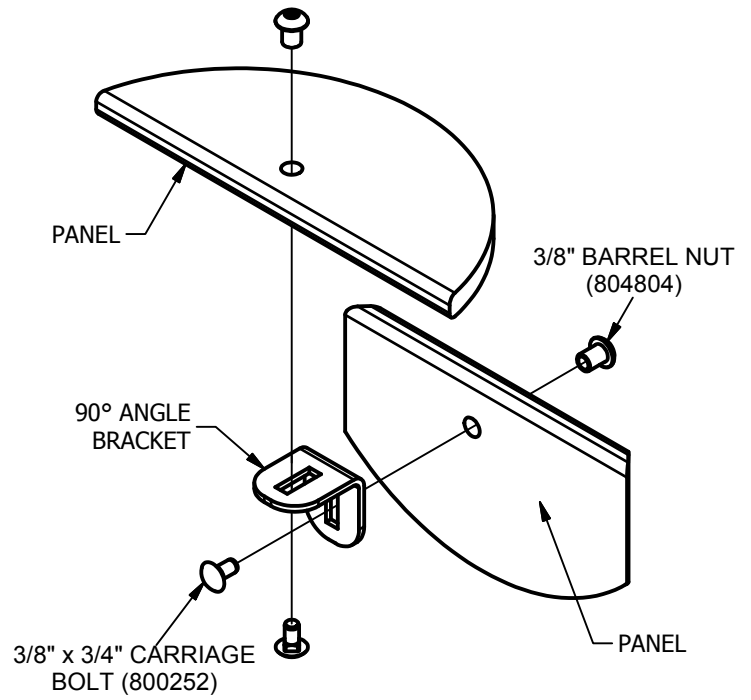
359



360



361



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