

## MEC226 MIRROR SENSORY BOX

Parts List		
DESCRIPTION	QTY	PART NUMBER
L-BRACKET	8	200205
MIRROR	1	405197
SHAPES BOX FRONT	1	405218
SIDE TRIANGLE	2	405248
WINDOW FRAME PANEL	1	405249
SHAPES BOX BACK	1	405250
<b>---HARDWARE COMPLETE---</b>	1	405252
3/8" x 3/4" CARRIAGE BOLT	12	800252
3/8" x 1" CARRIAGE BOLT	4	800253
3/8" x 1" P.B.H.C.S. w/PATCH	6	812050
3/8" FLAT WASHER	6	817410
3/8" BARREL NUT	22	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.

**Mirror:** Shall be fabricated from 20 gauge bright annealed mirror finished stainless steel.

**Shapes Box Front, Side Triangle, and Shapes Box Back:** 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/ft<sup>3</sup> 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.

**Window Frame Panel:** 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/ft<sup>3</sup> and a tensile strength of 4400 PSI (30 Mpa) as determined per procedure C of ASTM D1928. All edges shall have radiusses and all corners for safe play.

**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.

### INSTALLATION INSTRUCTIONS:

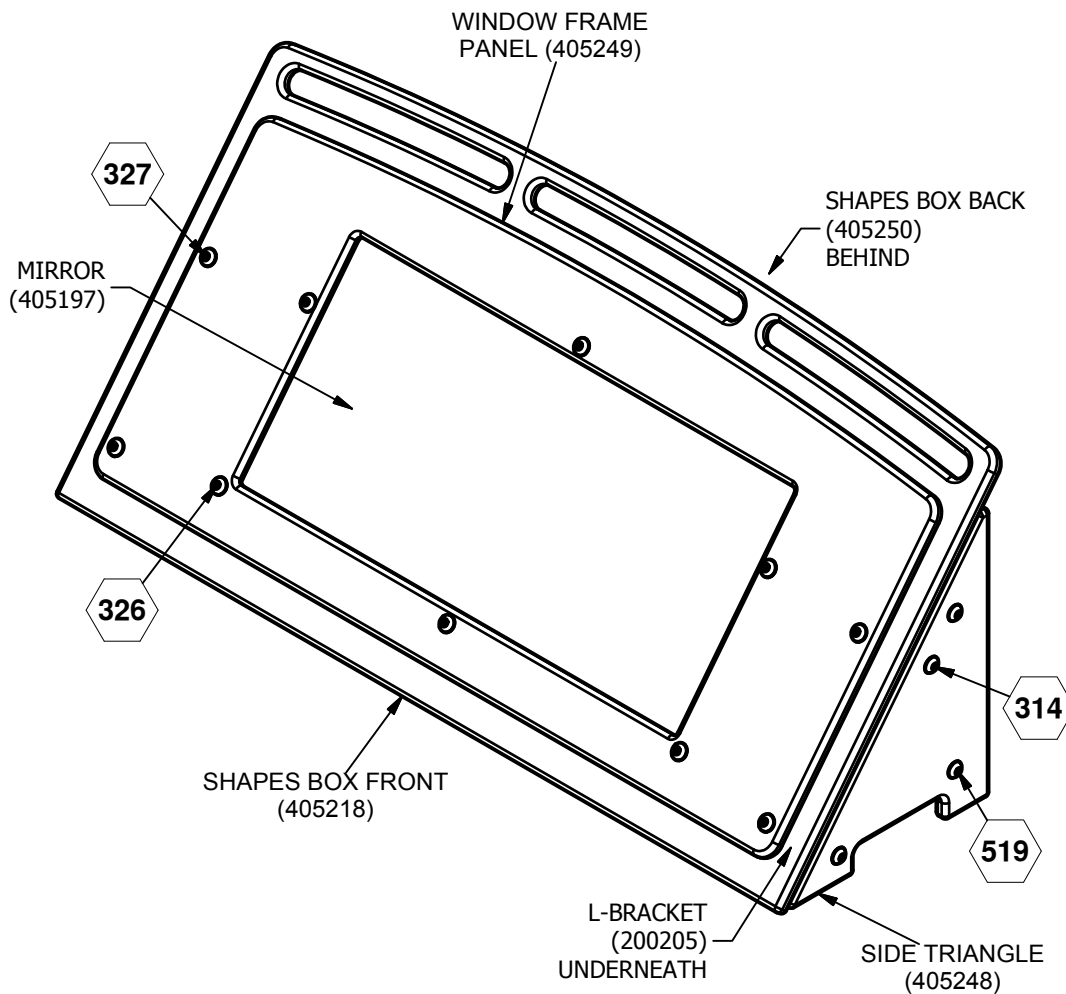
1. Attach Side Triangle to Shapes Box Back using L-Bracket, 3/8" x 3/4" Carriage Bolt, and 3/8" Barrel Nut. See Detail 519.
2. Attach Mirror to Shapes Box Front using 3/8" x 1" P.B.H.C.S w/Patch, 3/8" Flat Washer, and 3/8" Barrel Nut. See Detail 326.
3. Attach L-Brackets to Side Triangle using 3/8" x 3/4" Carriage Bolt and 3/8" Barrel Nut. See Detail 314.

## MEC226 MIRROR SENSORY BOX

4. Attach Shapes Box Front with Mirror and Window Frame Panel to Side Triangle using L-Bracket, 3/8" x 1" Carriage Bolt, and 3/8" Barrel Nut. See Detail 327.
5. Plumb and level the entire assembly and tighten all fasteners.
6. 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.



 = INSTALLATION DETAIL

Issued/Revised: 10/05/15

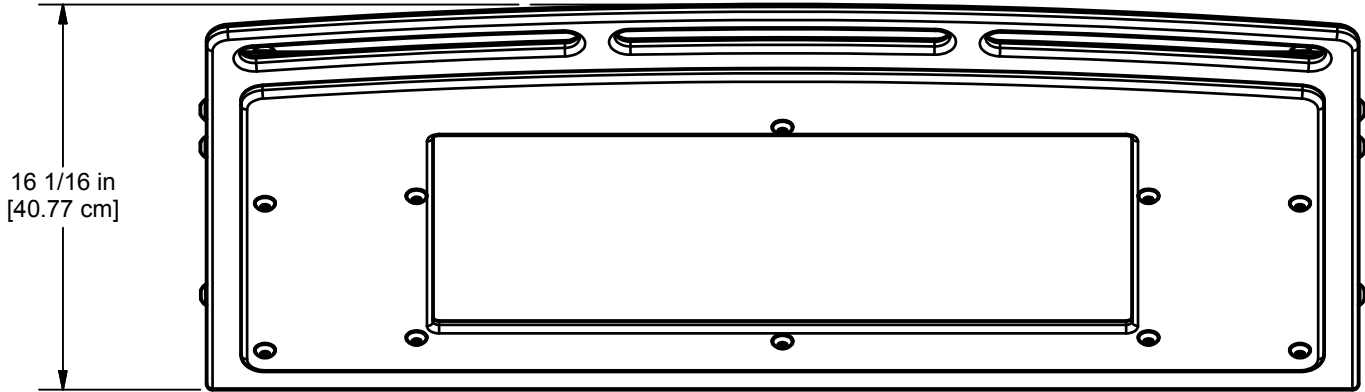
**FINISHED ASSEMBLY**

**BigToys**<sup>®</sup>

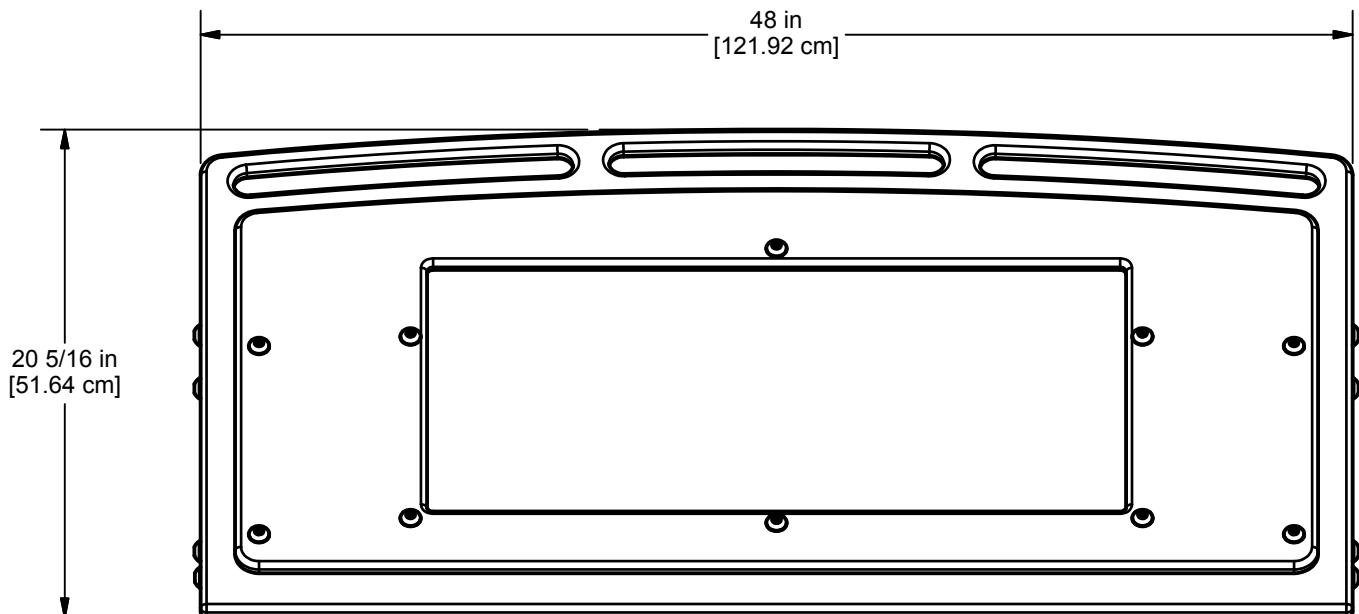
A PLAYCORE Company

SHEET 2 OF 4

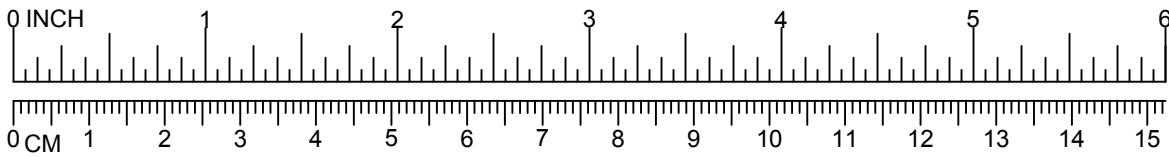
MEC226 MIRROR SENSORY BOX



PLAN VIEW

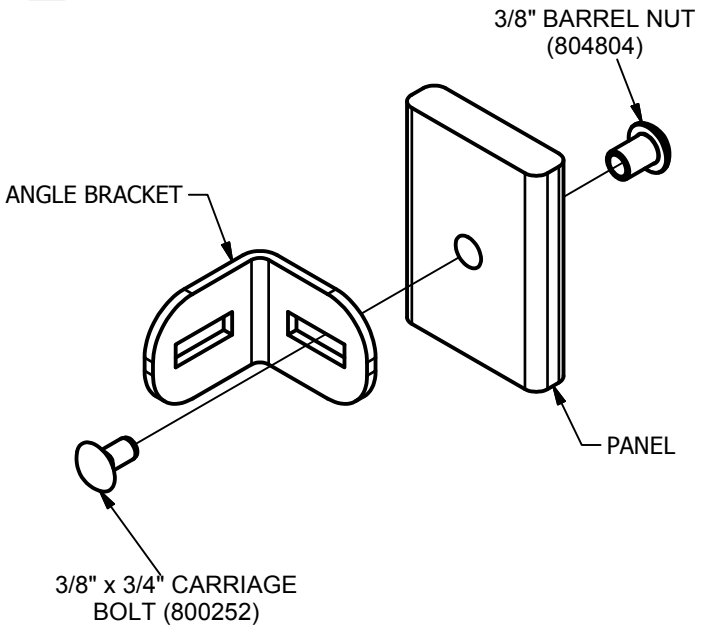


ELEVATION VIEW

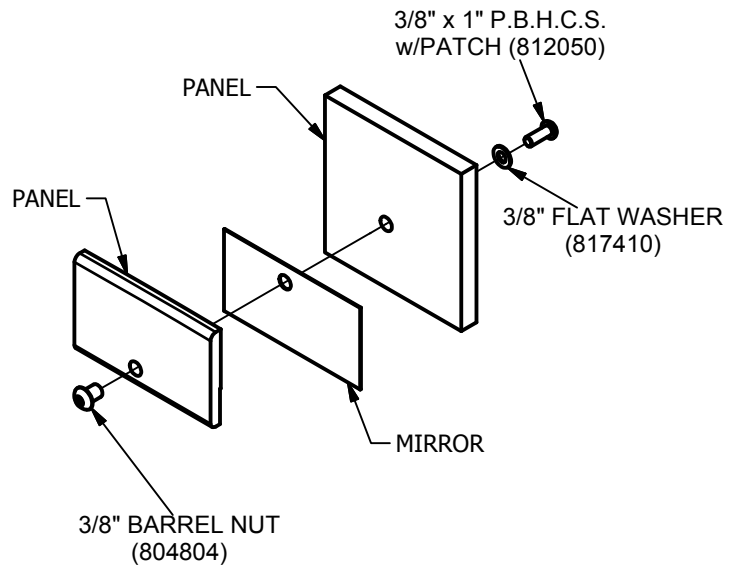


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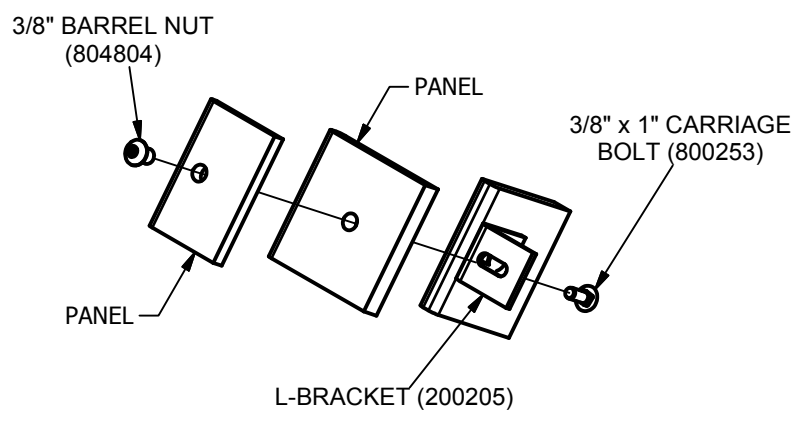
314



326



327



519

