

MBT566 OVERHEAD CURVED LADDER

AGE APPROPRIATE
5-12 YRS OLD

Parts List		
DESCRIPTION	QTY	PART NUMBER
OVERHEAD CURVED LADDER	2	G388
PLATFORM BALCONY/ACCESS - M	2	402088
BRACKET	2	G966
ACCESS HANDRAIL, STAND ALONE	4	401499
COLUMN, METAL 10'-0"	4	401168
COLUMN, METAL 11'-0"	2	401170
END CAP	6	G010
PLATFORM BUMPER, 9 BOARD	2	402378
BUMPER PLATE, 9 BOARD	2	401425
-----HARDWARE COMPLETE-----	1	405030
12MM DO-NUT BASE	12	G034
12MM DO-NUT CAP	12	G036
RECEPTACLE CONN	4	401628
PIPE CRADLE, 1"	4	401394
COLUMN END FITTING	6	M600
1/2" THREADED INSERT	16	M000
HOLE PLUG - M	184	M005G
#10 x 1/2" SHEET METAL SCREW	18	810062
1/4" x 15/32" DRIVE RIVET	12	805303
1/2" x 2 1/2" HEX HEAD BOLT	8	801225
1/2" x 1 1/2" HEX HEAD BOLT	2	801205
1/2" x 1 3/4" HEX HEAD BOLT	4	801206
1/2" FLATWASHER	8	817412
1/2" INTERNAL TOOTH LOCK WASHER	12	817201
1/2" x 1 1/2" SET SCREW	4	816081
1/2" LOCK NUT	2	804355
3/8" LOCK NUT	4	804353
3/8" S.S. FLAT WASHER	4	817460
3/8" x 2 1/4" B.H.C.S.	4	811056
STAINLESS CURVED WASHER	8	401428
3/8" x 2" B.H.C.S.	8	811055
#12 x 1 1/4" WOOD SCREW, PAN HEAD SQ.	12	815513
1/2" x 2 1/2" B.H.C.S.	4	811065
5-12 ONLY LABEL	1	12004E

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.

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SPECIFICATIONS:

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMERS FILE FOR FUTURE REFERENCE.

Polyester Powder-Coating - Powder coated components have a super-tough electrostatically-applied custom formula of TGIC polyester powder which is heat-cured to the surface of the metal, and has superior adhesion and exterior durability. All components have sharp edges and weld-spatter removed, and are cleaned in a 6-stage bath system, which includes an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794-69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D 2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs. with no loss of gloss), Oven-bake Stability 100% at 400 degrees Fahrenheit.

Fasteners - All fasteners are either zinc-plated or stainless steel based on application. All connections using threaded fasteners include a method for securing the fasteners after assembly. These include: locknuts with deformed threads, nylon rings, factory-applied patch-lock compound, or a thread-locking product placed on the threads during field assembly.

Do-Nut - Do-Nuts are bolt covers that are injection-molded from Nylon (PA6) in two parts, a base and a cap, which are always used together. Two sizes of Do-Nuts are available to cover either 1/2 inch bolts or 3/8 inch bolts. Do-Nuts designed to cover 1/2 bolts have a maximum diameter of 1 7/8 inches while Do-Nuts designed to cover 3/8 inch bolts have a maximum diameter of 1 3/8 inches. Do-Nut caps are self-locking when driven into the base after final bolt tightening. Do-Nuts provide protection against bolt head, bolt end, and nut protrusions to meet the protrusion criteria established by applicable ASTM and CSA standards and CPSC guidelines.

COLUMN - Metal Columns are manufactured from 6" O.D (12 ga) galv. mechanical tubing. 6" from each end, and at every 12" increment, there are 1-1/8" holes drilled 90 apart. The columns are cut in lengths ranging from two feet though 12 feet in one-foot increments. In the field, an threaded insert fastener may be installed into the holes wherever another component is attached to the column. Polypropylene (PP) Hole Plugs may be installed into all holes that are not used for other component attachments, and a polypropylene (PP) column end fitting and color scheme appropriate plastic end cap are attached to the top end of the column.

Hole Plug - Holes Plugs for columns are injection-molded of high-impact polypropylene (PP) plastic, with colorant and UV inhibitor. The Hole Plugs are used to fill unused holes in columns following field assembly.

Column End Caps - Column End Caps are injection-molded from high-impact polypropylene (PP) with colorant and UV inhibitor. The caps are used at the top end of Standard Columns and attach in the field to the Column End Fitting using stainless steel screws.

Bumper Plate - Bumper Plate will be manufactured from Santoprene Rubber.

Hardware - All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 81% minimum zinc dust content in organic resin, as per ASTM F-1234, Section 5.2.4, Type D. All upright post shall have a finished surface line mark, to indicate proper burial depth.

Platform Balcony - Platforms are factory assembled from components made from High Density Polyethylene Plastic Lumber. Platforms are constructed from the following HDPE components: nominal 2x6 platform floor boards and nominal 2x4 skirting boards. All platforms are constructed using #10 stainless steel wood screws.

Overhead Curved Ladder - The Overhead Curved Ladder is manufactured with 1.66" O.D.(SCH 40) galvanized pipe side rails, 1.315" O.D. (12 ga) hand grip rungs and 3/16" zinc plated mounting tabs. Entire assembly is powder coated after welding.

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INSTALLATION INSTRUCTIONS

NOTE: THIS INSTALLATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S FILE FOR FUTURE REFERENCE.

NOTE: Do not overtighten bolts. To overtighten may cause buckling or dimpling of some parts.

NOTE: Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is complete. Bracing material may be required during assembly.

NOTE: Do not tighten any nuts, bolts, rods, etc. until the unit is completely assembled.

NOTE: Due to extremes in weather and soil conditions, hole sizes may have to be increased to meet local conditions.

STEP 1: Dig holes according to the Plan and Elevation view. Place a brick or equivalent at the bottom of the hole to provide a solid foundation. Allow for this in hole depth.

STEP 2: Attach Column End Fitting and End Cap on top of each Column as shown in Detail 031.

STEP 3: Attach Bracket to top holes of the 11' columns as shown in Detail 139.

STEP 4: Place columns into dug holes as located in Finished Assembly.

STEP 5: Attach Curved Ladders to the 10' columns as shown in Detail 224 and to the bracket as shown in Detail 223.

STEP 6: Attach Balcony Platforms and Handrails at each end as shown in Detail 192, 191 and 193.

STEP 7: Attach Platform Bumpers on front of each platform as shown in Detail 197.

STEP 8: Fill holes with concrete. Plumb and brace assembly. Allow a minimum of 48 hours for concrete to harden before use.

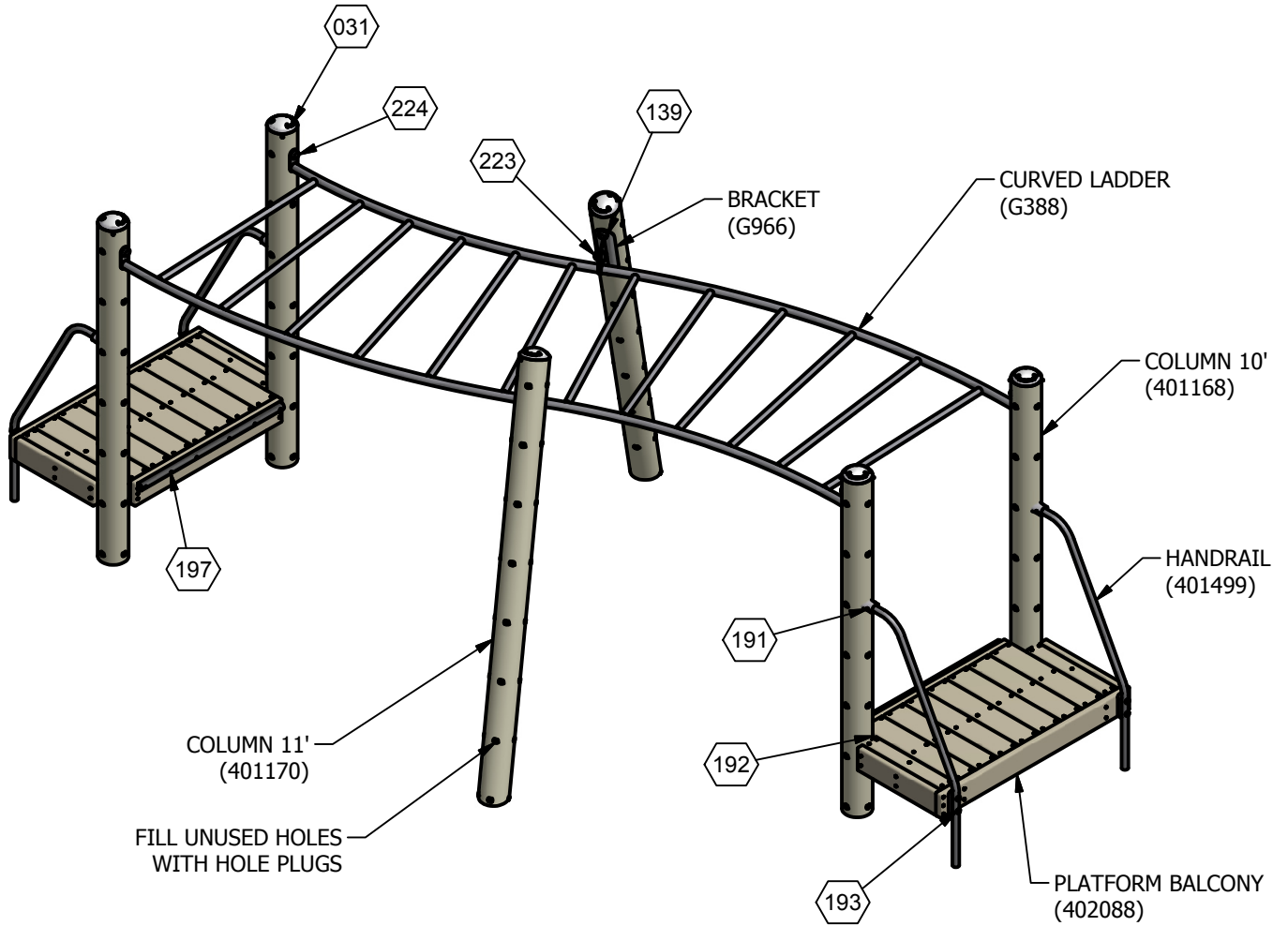
NOTE: Loctite (supplied by others) should be used on all threaded hardware.

MAINTENANCE PROCEDURE:

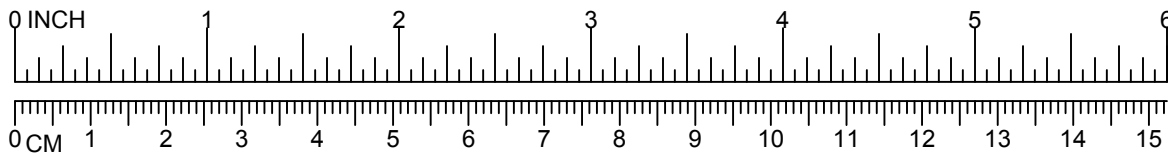
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check 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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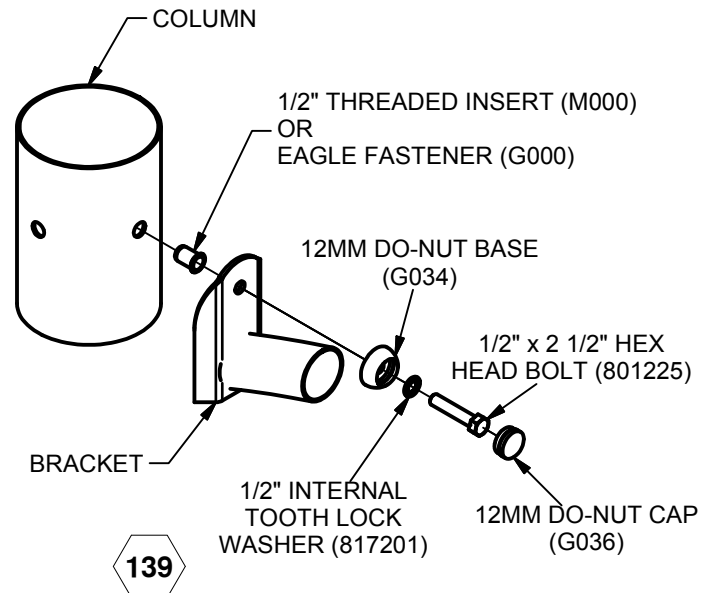
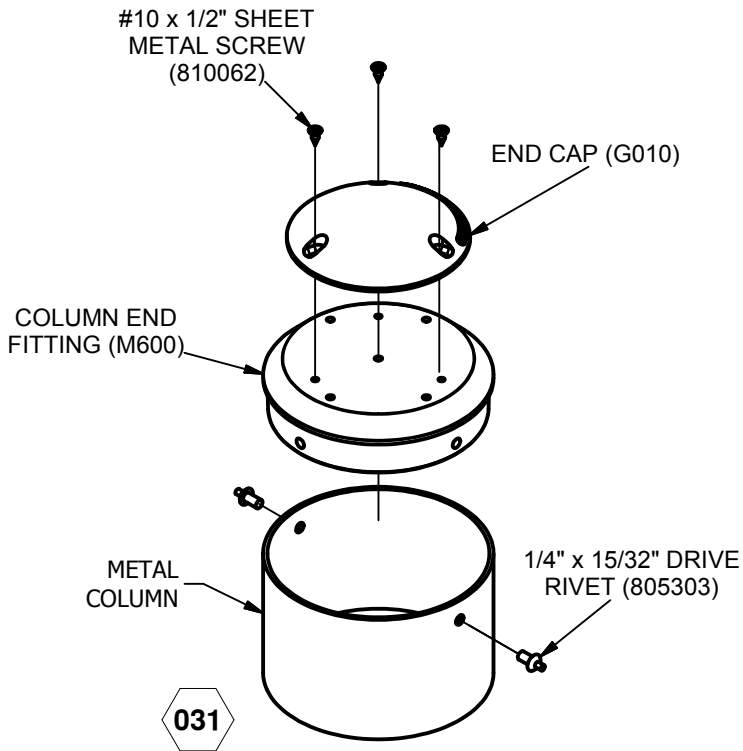
 = INSTALLATION DETAIL



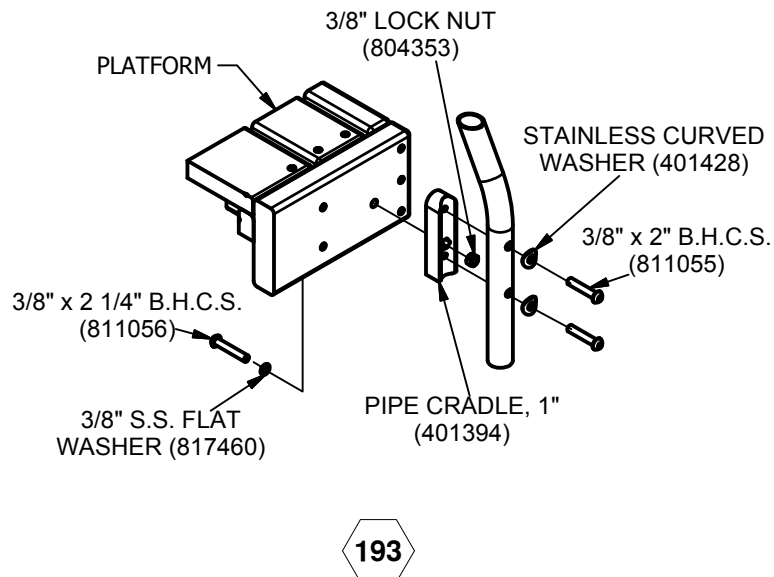
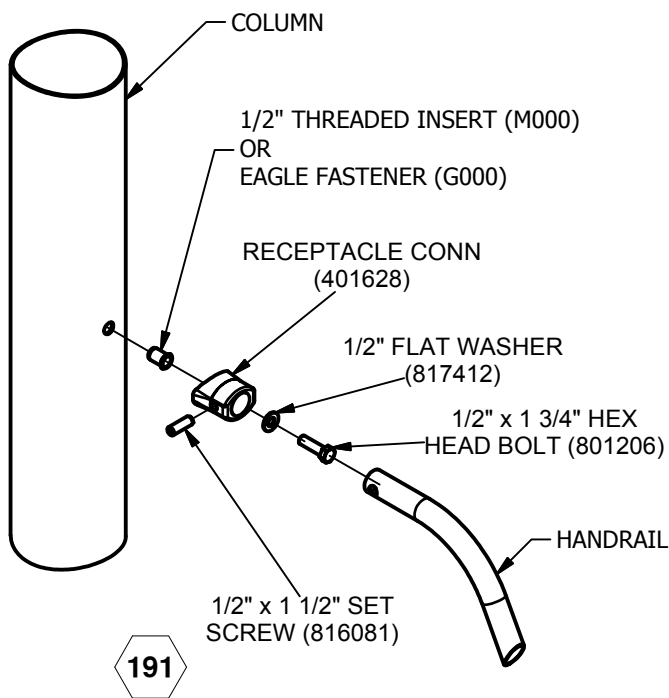
FINISHED ASSEMBLY



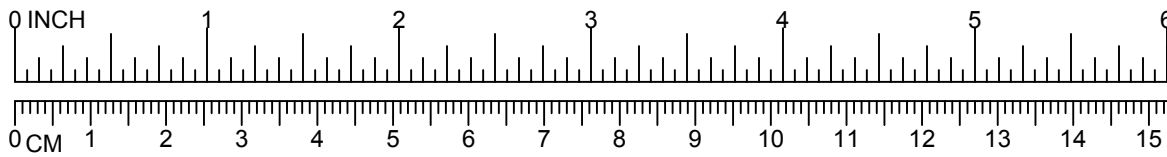
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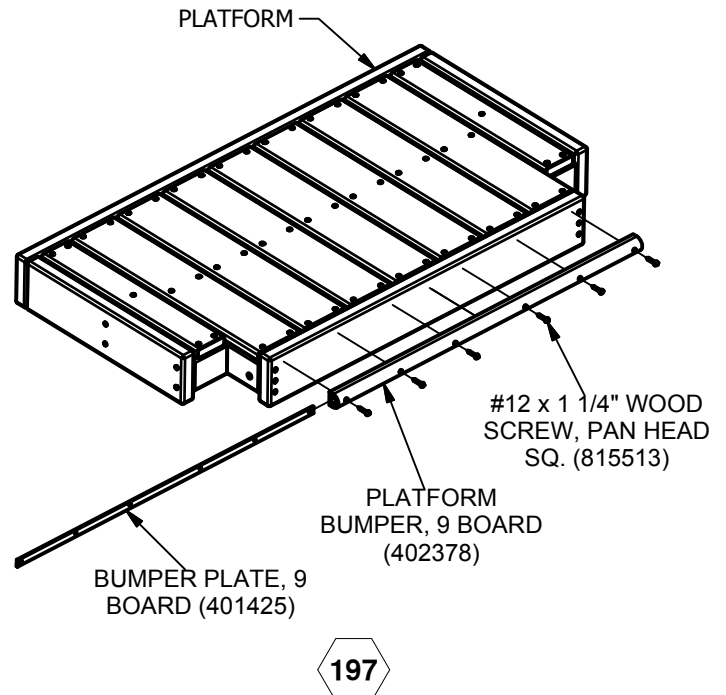
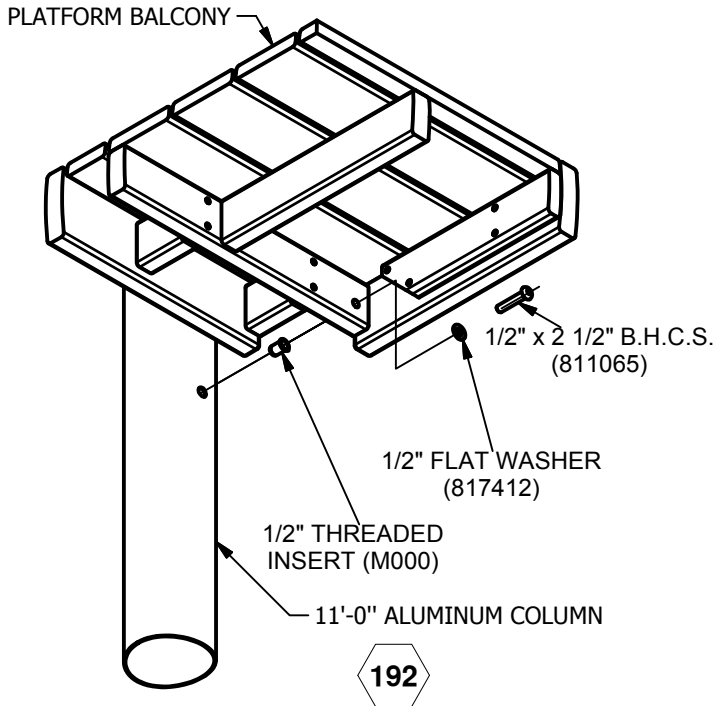
NOTE: REFER TO THE INSTALLATION PROLOG FOR TYPICAL THREADED INSERT AND EAGLE FASTENER INSTALLATION.



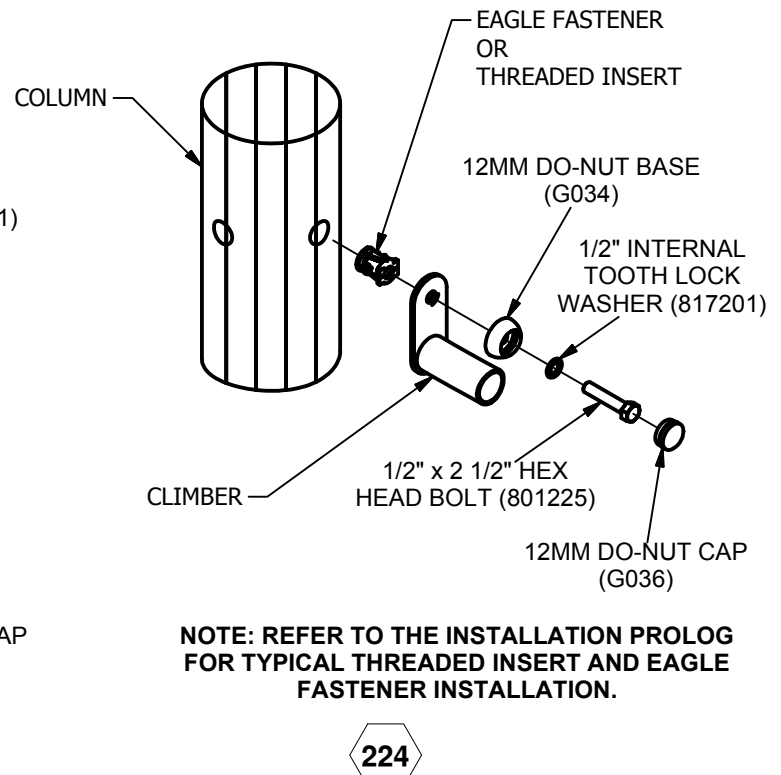
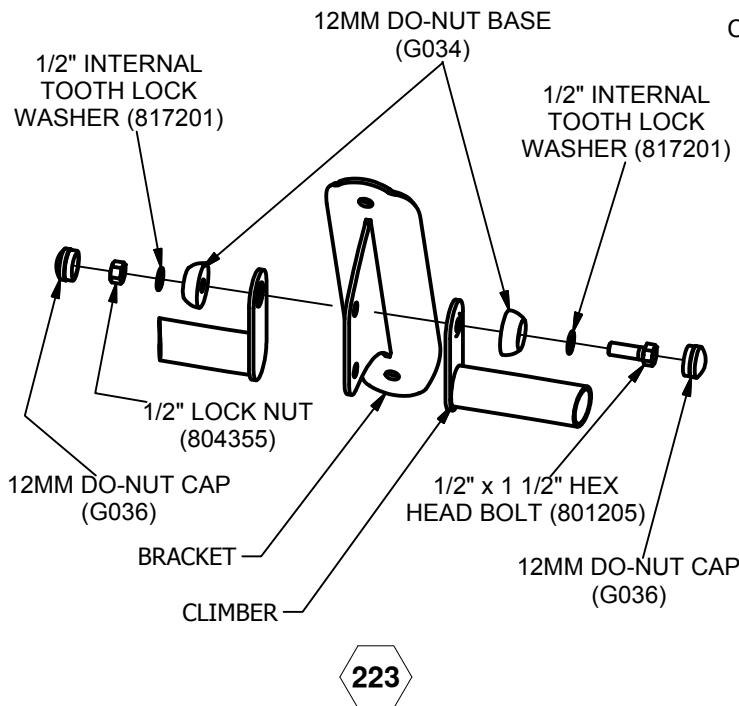
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