**GENERAL INSTRUCTIONS**

*LYON recommends that all racks be anchored to the floor. Anchor feet are available as optional equipment. This product is to be hand-loaded only. Do not use fork trucks.*

**BULK STORAGE RACK ASSEMBLY**

1. If anchor feet are used, install them to each upright assembly using the bolts provided. See detail of anchor foot assembly on sheet 2.

2. Stand upright assembly vertically. Insert teeth of both beam assemblies into the front tappered slots in the upright assembly. The two beam assemblies should be located at the lowest level desired.NOTE: The narrow end of the tapered slots are to be at the bottom.

3. Stand another upright assembly vertically and insert the beam assemblies into the upright assembly tapered slots.

4. Install the remaining beam assemblies at the desired height required. Be sure that each beam assembly is parallel (or level) to the floor, and that each pair of beam assemblies is at the same height.

5. Install the front to back ties or plywood supports (depending on the storage application) onto each level. See the chart to determine the type and quantities to be installed. The front to back ties and plywood supports are installed onto the beam assemblies by inserting the tabs at both ends into the rectangular slots in the beam assemblies.

6. Continue with the balance of the rack run repeating the above steps.

7. Once the racks have been assembled, all beam assemblies should be locked into place. This will avoid any accidental beam lift out problem. On each beam assembly, bend both of the bend-in tabs slightly inward. Use caution not to bend the bend-in tabs too far inward as at a later time the beam assemblies might require relocation and it would be difficult to pull out the bend-in tabs. See detail at left showing bend-in tab.

**CAR AND TRUCK TIRE RACK ASSEMBLY**

1. Repeat steps 1 through 9 from above.

2. Install the front to back ties on each level, one per level. Use (2) bolt no. 1 and wing nuts for each front to back tie. Install at the center hole of the beam and MB only bolts.

3. Repeat steps 6 and 7 from above.

**K.O.* UPRIGHT ASSEMBLY**

1. Lay two upright posts down. Attach the required quantity of ladder braces to the upright posts at the locations indicated (see chart and drawing). Insert the tangs of the ladder brace into the square holes on the upright post and push down. Once the ladder brace is in place, secure it with (2) screw no. 2 per ladder brace using hatchet drive. Post holes should be slightly misaligned (see detail). The narrow ends of the tapered slots are to be at the bottom. Complete the rack assembly as instructed above.

**SHELF ASSEMBLY**

1. Stand upright assembly vertically. Insert shelf clips into the square hole in the upright assembly. The two shelf clips should be located at the lowest level desired. See detail at left for clip and shelf assembly.

2. If integrating with bulk storage, install two shelf clips onto the upright assembly. If a second upright assembly is required, stand it upright vertically and install the two shelf clips on it. Install a standard or box front shelf onto the four shelf clips.

3. Continue to add the shelf clips and shelves at the desired locations until complete.

**DECKING PANELS**

Rebed decking panels. Standard shelving or box front shelves fit onto the beam assembly ledges in front to back. No attachment is required. Wire decking panels fit over the front vertical flanges of the beam assembly. Note: Use front to back ties on all beams that have decking panels.

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**EXPLoded VIEW OF "K.O." UPRIGHT ASSEMBLY**

**EXPLoded VIEW SHOWING SHELF APPLICATION**

**GENERAL DETAILS**

**DETAIL SHOWING LADDER BRACE HOLE MISALIGNMENT**

**DETAIL SHOWING BEND-IN TAB**

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**Installation Instructions for Lyon Bulk Storage**

**Malk Lyon Tire Maku AUN Accessories**

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