Recommended Fabrication Practices for Epoxy-Coated Reinforcing Bars

- **Storage**
  - Store bundles on suitable materials, such as timber cribbing.
  - Space timber cribbing to minimize sagging.
  - Use nylon strapping or other non-abrasive material.
  - If outdoor storage is to exceed 30 days, cover coated bars with suitable material and minimize condensation.

- **Shearing & Bending**
  - Contact points on shearing and bending equipment to be a suitable material.
  - Inspect bars after bending and repair any cracks with patching material.

- **Patching Material**
  - Use 2-part patching material, approved by the coating manufacturer.
  - Follow manufacturer instructions.

- **Handling & Loading**
  - Use spreader bar or strong back with multiple pick-up points to minimize sags.
  - For lifting, use nylon or padded slings; not bare chains or cables.
  - For shipping, secure the load with nylon or padded strapping.

For additional information, see Appendix F of CRSI’s Epoxy Coating Plant Certification Manual, ASTM D 3963/D 3963M and Annex XI of ASTM A 775/A 775M.

Job-Site Repair of Damaged Epoxy Coating

1. **Step 1**
   - Remove rust and contaminants from the damaged area to be patched with a wire brush.

2. **Step 2**
   - Mix the patching material according to the manufacturer’s instructions. Use patching material prior to end of pot life.

3. **Step 3**
   - Apply the patching material to the repaired area. Follow the patch material manufacturer’s instructions.

4. **Step 4**
   - Allow the repaired area sufficient curing time, as specified by the manufacturer’s instructions, before placing concrete.

PROPERLY REPAIRED