








- ALL DIMENSIONS SHOWN ARE IN INCHES.
- STEEL FOR NEW JAW PLATE SHALL MEET THE REQUIREMENTS OF SAE 4140. STEEL FOR NEW BARREL STABILIZER PLATE SHALL MEET THE REQUIREMENTS OF CSA G40.21M-300W OR ASTM A36.
- ALL REQUIREMENTS OF THE CURRENT BRIDGE BRANCH SPECIFICATION FOR THE SUPPLY OF STRUCTURAL STEEL FOR BRIDGES (SPEC NO B187M) SHALL BE MET.

## NOTES REGARDING LIFTING CAPACITY

- THE MODIFICATIONS AS DETAILED APPLY TO THE BARREL LIFTER MANUFACTURED BY ECOA (US PATENT NO 4.213.647) AND DESCRIBED AS "1350 kg CAPACITY".
- THE MODIFIED BARREL LIFTER MUST NOT BE USED WITH CLOSED BARRELS AS THE JAWS AS MODIFIED WILL NOT SAFELY GRIP THE NARROW RIM OF THE BARREL.
- THE MODIFIED BARREL LIFTER SAFE LIFTING CAPACITY IS 400 kg BASED ON A FACTOR OF SAFETY OF 5 WHEN USED WITH BARRELS WITH TOP COMPLETELY REMOVED.
- MODIFIED BARREL LIFTER IS INTENDED FOR USE IN LIFTING OPEN-TOPPED 45 GALLON BARRELS CONTAINING DRY SAND.
- THE MODIFIED BARREL LIFTER SHALL BE MARKED WITH NEW LIFTING CAPACITY.



<div><div></div><div><div>REV</div><div>DATE</div><div>DESCRIPTION</div><div>BY</div></div></div>				<div>APPROVED</div> <div>EXECUTIVE DIRECTOR BRIDGE ENGINEERING</div> <div>DATE 95-02-07</div>		<div>Alberta TRANSPORTATION BRIDGE ENGINEERING BRANCH</div> <div>BARREL LIFTER MODIFICATION FOR OPEN BARRELS</div>															
REVISIONS																					
DESIGNED		DRAWN		DATE		CHECKED		DATE		STREAM		LOCATION		HIGHWAY		FILE		SHEET		DRAWING	
D H O		W S		86-05-09														1 of 1		S-1194	