



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS AERONAUTICAL SYSTEMS CENTER (AFMC)
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

24 Jan 2003

MEMORANDUM FOR 114 CES / CEX (SMSGT R. LARSON)
1201 W. ALGONQUIN STREET, BUILDING 47, ROOM 120
JOE FOSS FIELD
SIOUX FALLS SD 57104-0264

FROM: ASC/ENFC (ATTLA)
2530 Loop Road West
Wright-Patterson AFB OH 45433-7101

SUBJECT: WFI-MCC Mobility Collapsible Container (Wel-Fab, Inc.)

1. Subject containers are described to be aluminum box assemblies, with 2-piece lids, and have the following physical characteristics: 105" L x 85" W x 48.50" H when erected and tare weight of 900 lbs. Designed to hold 2 all-terrain vehicles (ATV), each container allows four way fork lifting, and collapses to a reduced height of 12" for stacking.
2. Based on information provided by the manufacturer, the subject containers identified above may be airlifted as palletized cargo on USAF C-130, C-141, C-5, C-17, KC-10, and C/KC-135 aircraft with the following provisions:
 - a. Erected containers shall only be carried on HCU-6E pallets with restraint provided via HCU-7E / HCU-15C cargo nets, or with restraint bridle and either chains or straps. The two-part lid makes bridles necessary on both sides each container to prevent loss of restraint due to a lid half coming unlatched. Utilizing their integral locking pins, erected containers may be stacked not more than two high, with restraint bridles on upper and lower containers alike. The doors and lids must be closed and latched. Castors shall not be installed. Pallet loading limitations shall apply.
 - b. Containers are limited to a loaded gross weight of 5,800 lbs each. Maximum container load placed on a 463L pallet shall not exceed 10,000 lbs and may be further restricted by the transport aircraft capabilities.
 - c. Collapsed containers may be stacked, pinned and palletized as standard bulk cargo. Containers shall not be transported (either collapsed or erected) without cargo nets or restraint bridles properly applied. Stacked containers must be pinned together with "D-bolts" engaged and prevented from disengaging. 463L pallet nets (or, alternatively, the bridle arrangement) must furnish the required restraint. The containers will be loaded to allow, as needed, in-flight inspection and access to the contents.
 - d. Containers shall be restrained to withstand at least minimum loads of 3g forward, 2 g up, and 1.5g laterally & aft. The shipper shall ensure that container and contents can withstand these forces in addition to a potential 4.5g down load.
 - e. The container will self-ventilate in the event of an in-flight rapid decompression of up to 8.3 psi within ½ second, thus contents should be packaged with this in mind.
 - f. ATV fuel tanks, and any hazardous cargo contents, shall be in compliance with AFJMAN 24-204 / TM 38-250. This memo is not to be considered approval for shipment of hazardous materials, which must be obtained separately. The servicing aerial port can assist in this regard.
3. A copy of this memo should accompany the item when presented for airlift. Point of contact (ref file code 2002.11.10) is the undersigned at DSN 785-1821 or (937) 255-1821.


JON LAY
Aerial Delivery Group

cc:
HQ AMC/DOV
Wel-Fab, Inc (P. Elstone)