

MILITARY STANDARD

MIL-STD-1320-253B

TRUCKLOADING

(NAVY)

14 JULY 1995

**AMRAAM, AIM-120
IN SHIPPING AND STORAGE CONTAINER
CNU-415A/E OR CNU-415B/E
OR AMRAAM, CATM-120 CAPTIVE AIR
TRAINING MISSILE IN SHIPPING AND
STORAGE CONTAINER CNU-555/E**

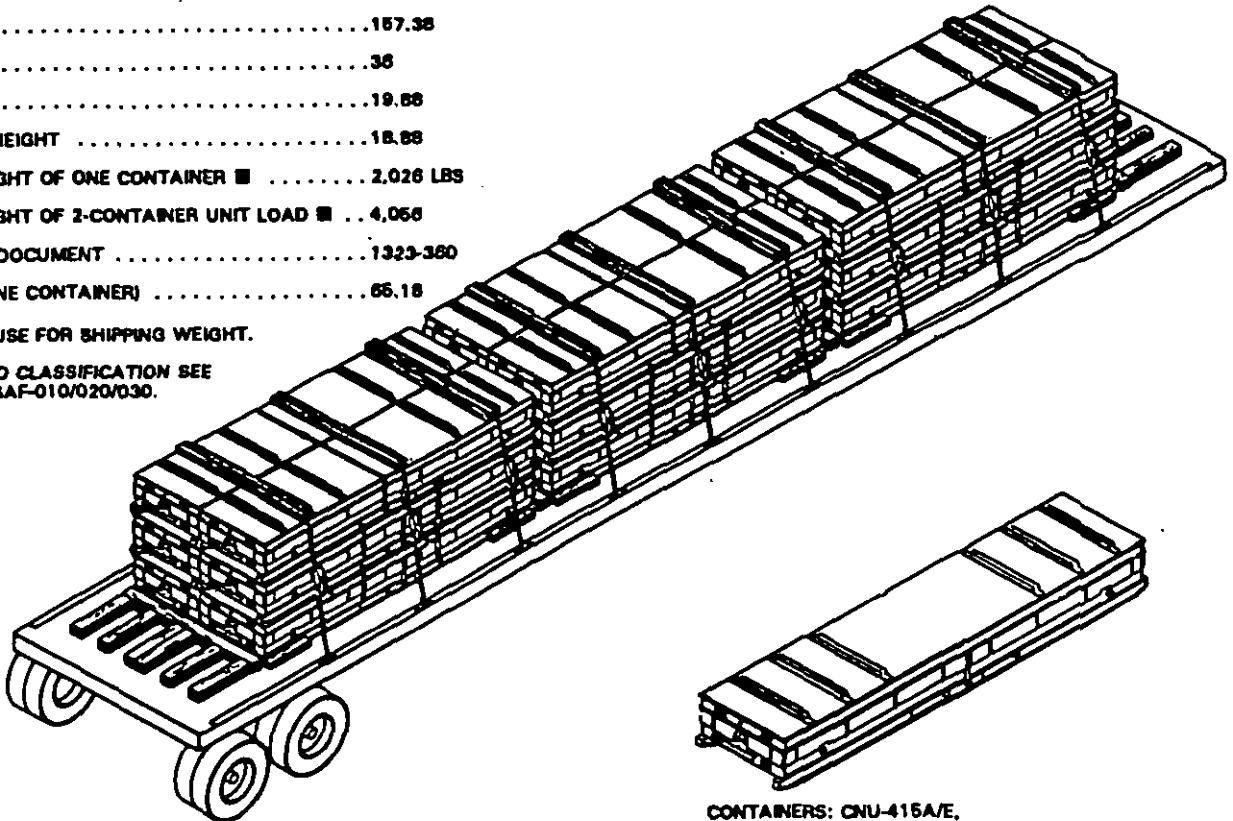
SUPERSEDING
MIL-STD-1320-253A
26 OCTOBER 1993

CONTAINER DATA

NUMBER OF MISSILES PER CONTAINER 4
 LENGTH 187.38
 WIDTH 38
 HEIGHT 19.88
 STACKING HEIGHT 18.88
 GROSS WEIGHT OF ONE CONTAINER ■ 2,026 LBS
 GROSS WEIGHT OF 2-CONTAINER UNIT LOAD ■ .. 4,056
 UNIT LOAD DOCUMENT 1323-380
 CUBE (OF ONE CONTAINER) 65.18

■ DO NOT USE FOR SHIPPING WEIGHT.

FOR HAZARD CLASSIFICATION SEE
 SW020-AC-SAF-010/020/030.



CONTAINERS: CNU-415A/E,
 CNU-415B/E, CNU-555/E

NOTES:

- UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
- FOR CROSS REFERENCE TO ASSOCIATED TRUCKLOADING, CONTAINERLOADING, AND CARLOADING MILITARY STANDARDS, REFER TO INDEX TO STANDARDS, MIL-HDBK-238.

AMSC NO.-NA

DISTRIBUTION STATEMENT A
 APPROVED FOR PUBLIC RELEASE:
 DISTRIBUTION IS UNLIMITED.

FSC 8140

B	UPDATED CONTAINER GROSS WT.: ADDED PROVISIONS FOR 3-HIGH LOADING; ADDED CNU-415B/E	95/7/14	RS	21
A	ADDED CNU-555/E AND UPDATED DOCUMENT	83/10/28	S/E.R.	S/L.R.C.
REV	REVISION DESCRIPTION	DATE	TDA	SYSCOM

**AUTHORIZED AND RELEASED
 FOR HIGHWAY SHIPMENT
 ONLY.**

S/E. RINALDI 91/5/8
 SIGNATURE TDA, WPNSTA EARLE DATE
 S/WILLIAM O. SCHROEDER 91/5/9
 SIGNATURE AIRSYSCOM BY DIRECTION DATE

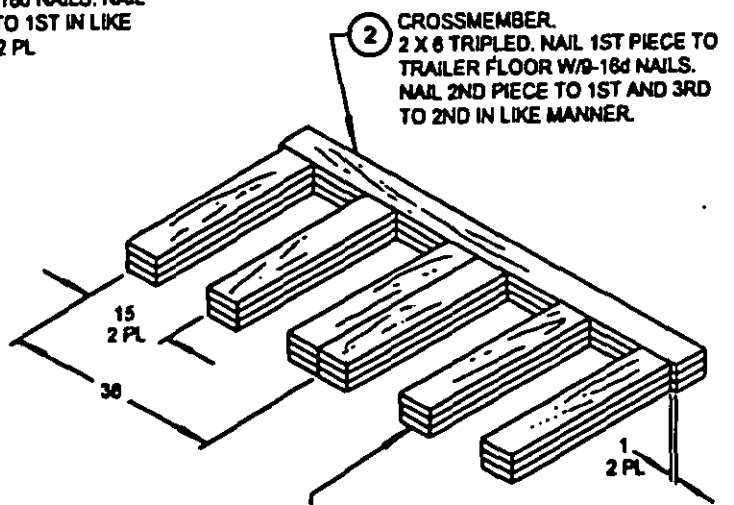
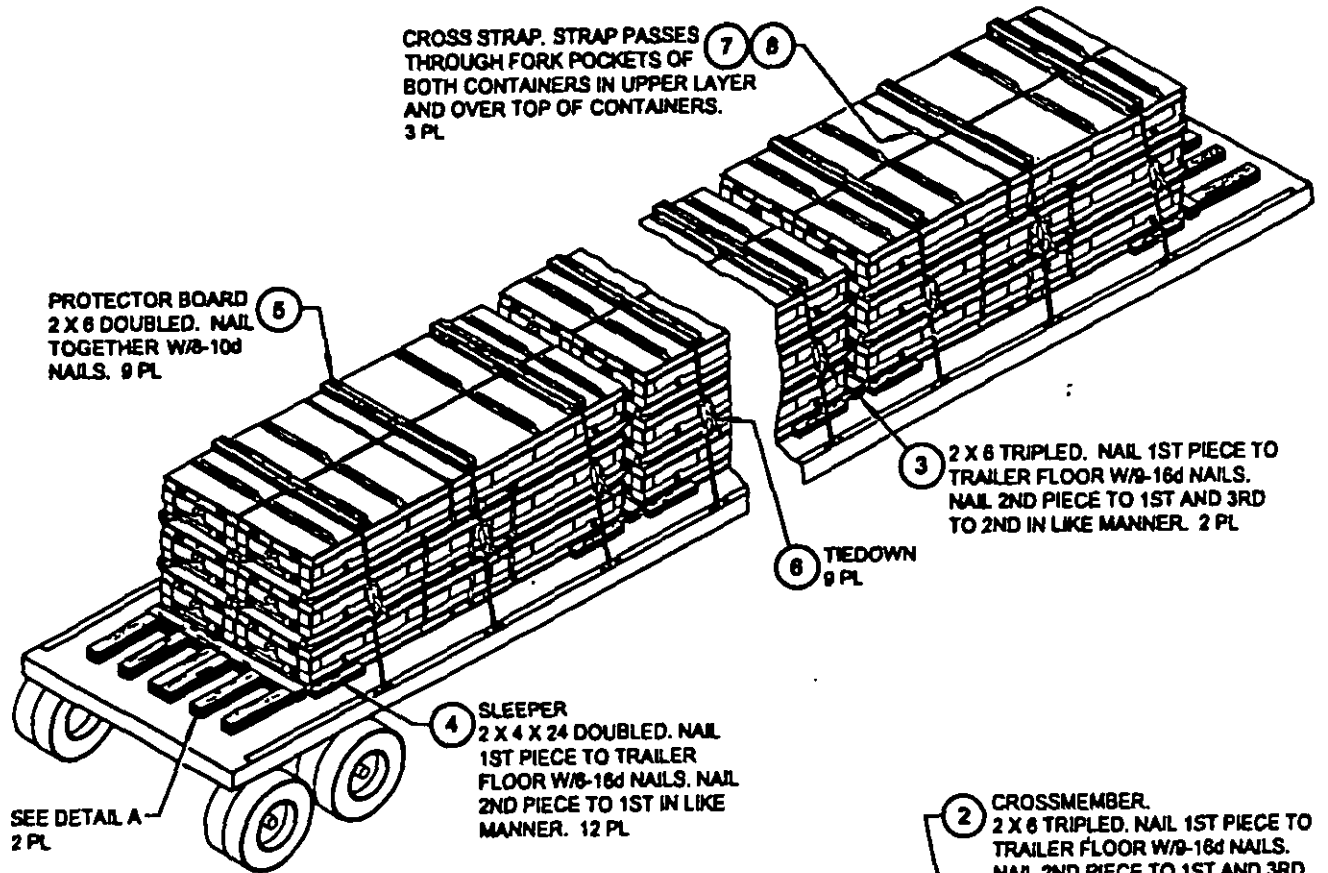
ORIGINATOR S/ROY SMITH 91/5/8
 DATE
 NAVAL WEAPONS STATION EARLE
 COLTS NECK, NEW JERSEY

MIL-STD-1320-253B (NAVY)

GENERAL NOTES:

1. THIS DOCUMENT GIVES DETAILED INSTRUCTIONS FOR TRUCKLOADING AMRAAM MISSILES PACKED IN THE CNU-415A/E, CNU-415B/E OR CNU-555/E SHIPPING AND STORAGE CONTAINER.
2. THE PROCEDURES DESCRIBED HEREIN ARE INTENDED FOR 48 FT AND SHORTER FLATBED TRAILERS AND TRUCKS. DO NOT USE TRAILERS WITH ALL METAL FLOORS.
3. CHAINS AND STEEL STRAPPING MAY BE USED INTERCHANGEABLY ON A ONE-TO-ONE BASIS FOR TIEDOWNS.
4. STEEL STRAPPING USED AS TIEDOWNS SHALL BE 2 X .060 AND SHALL CONFORM TO AND BE APPLIED AS SPECIFIED IN THE GENERAL TRUCKLOADING DOCUMENT, MIL-STD-1320 (NAVY).
5. CHAINS, FITTINGS, AND LOAD BINDERS SHALL CONFORM TO AND BE APPLIED AS SPECIFIED IN THE GENERAL TRUCKLOADING DOCUMENT, MIL-STD-1320 (NAVY), EXCEPT THAT THE CHAIN/GRAB HOOKS SHALL BE ATTACHED TO THE STAKE POCKETS (NOT AROUND THE RUB RAIL).
6. PROTECTOR BOARDS (DOUBLED 2 X 6'S) SHALL BE USED UNDER THE TIEDOWNS. WHEN USING STEEL STRAPPING, THE STRAPS SHALL BE SECURED TO THE PROTECTOR BOARD USING 2-INCH STRAPPING STAPLES. WHEN USING CHAIN, THE CHAINS SHALL BE SECURED TO THE PROTECTOR BOARD BY DRIVING A 10d NAIL THROUGH THE CHAIN LINK AND CLINCHING THE NAIL OVER THE CHAIN. FIVE STAPLES/NAILS SHALL BE USED FOR EACH TIEDOWN.
7. AFTER EACH STACK OF CONTAINERS IS LOADED ONTO THE TRAILER, THE TWO CONTAINERS IN THE THIRD LAYER SHALL BE BOUND TOGETHER BY ONE CROSS STRAP, ITEM 7, AS SHOWN ON PAGE 3. FOR TWO LAYER HIGH STACKS, THE CROSS STRAP SHALL ONLY BIND THE CONTAINERS IN THE SECOND LAYER.
8. THE MAXIMUM NUMBER OF CONTAINERS THAT CAN BE LOADED ONTO A 48 FT TRAILER IS 18 CONTAINERS (THREE STACKS WITH 6 CONTAINERS EACH). FOR TRAILERS LESS THAN 48 FT, THE MAXIMUM NUMBER OF CONTAINERS DEPENDS UPON THE LENGTH OF THE TRAILER. THERE SHALL BE SUFFICIENT SPACE AT BOTH FORWARD AND AFT ENDS OF THE LOAD TO APPLY FLOOR BLOCKING SHOWN IN DETAIL A. TO FREE ADDITIONAL SPACE, CONTAINERS MAY BE POSITIONED AGAINST A CROSSMEMBER (SEE ITEM 2) NAILED TO TRAILER FLOOR AGAINST THE TRAILER'S FORWARD BULKHEAD, THUS ELIMINATING THE NEED FOR BACKUP CLEATS, ITEM 1, IN FRONT OF THE LOAD. THE BULKHEAD MUST BE STRONG ENOUGH TO WITHSTAND THE SUBSTANTIAL FORCE IT MAY RECEIVE DURING EMERGENCY BRAKING OR DOWNHILL TRAVEL.
9. PRIOR TO LOADING THE TRAILER AND DURING PRELOADING INSPECTION REQUIRED BY NAVSEA OP 2165 AND REPORTED ON DD FORM 626, THE CHAINS, FITTINGS, AND LOAD BINDERS SHALL BE INSPECTED FOR STRETCH, GOUGING, BENT LINKS, WEAR, AND ANY OTHER NOTICEABLE DEFECTS. THE INSPECTOR SHALL CONFIRM THAT THE CHAINS, FITTINGS, AND LOAD BINDERS HAVE BEEN INSPECTED AND SHALL SO NOTE IN ITEM NO. 22 OF DD FORM 626. ANY DEFICIENCY SHALL BE CAUSE FOR REJECTION OF A CHAIN OR LOAD BINDER.
10. UNLESS OTHERWISE SPECIFIED, DUNNAGE LUMBER, STEEL STRAPPING, STRAP SEALS, AND NAILS SHALL BE AS SPECIFIED IN THE GENERAL TRUCKLOADING DOCUMENT MIL-STD-1320 (NAVY).
11. THE MAXIMUM GROSS WEIGHT OF THE TRACTOR-TRAILER AND THE ALLOWABLE AXLE WEIGHTS ARE THE RESPONSIBILITY OF THE CARRIER. THE CARRIER WILL ADVISE THE SHIPPER OF THESE LIMITATIONS, AND THE SHIPPER SHALL LOAD THE TRAILER IN SUCH A MANNER THAT THE TRACTOR-TRAILER WILL NOT EXCEED THESE LIMITATIONS.
12. AFTER THE BLOCKING, BRACING, AND TIEDOWNS HAVE BEEN INSPECTED, THE CONTAINERS SHALL BE COMPLETELY COVERED WITH FIRE RESISTANT, WATERPROOF TARPULINS. THE TARPULINS MAY BE UNDER THE TIEDOWNS AND THE PROTECTOR BOARDS.
13. AFTER THE TARPULINS ARE IN PLACE, ATTACH THE PROPER EXPLOSIVES PLACARDS TO BOTH SIDES, FRONT, AND BACK OF THE TRAILER. ATTACH THE SHIPPING DOCUMENTS TO AN ACCESSIBLE AREA ON THE BACK DECK OF THE TRAILER.
14. FOR GENERAL TRUCKLOADING PROCEDURES REFER TO THE GENERAL TRUCKLOADING DOCUMENT MIL-STD-1320 (NAVY).

FTL 48 FT TRAILER AND SHORTER (FLATBED)



DETAIL A
FWD/AFT END BLOCKING

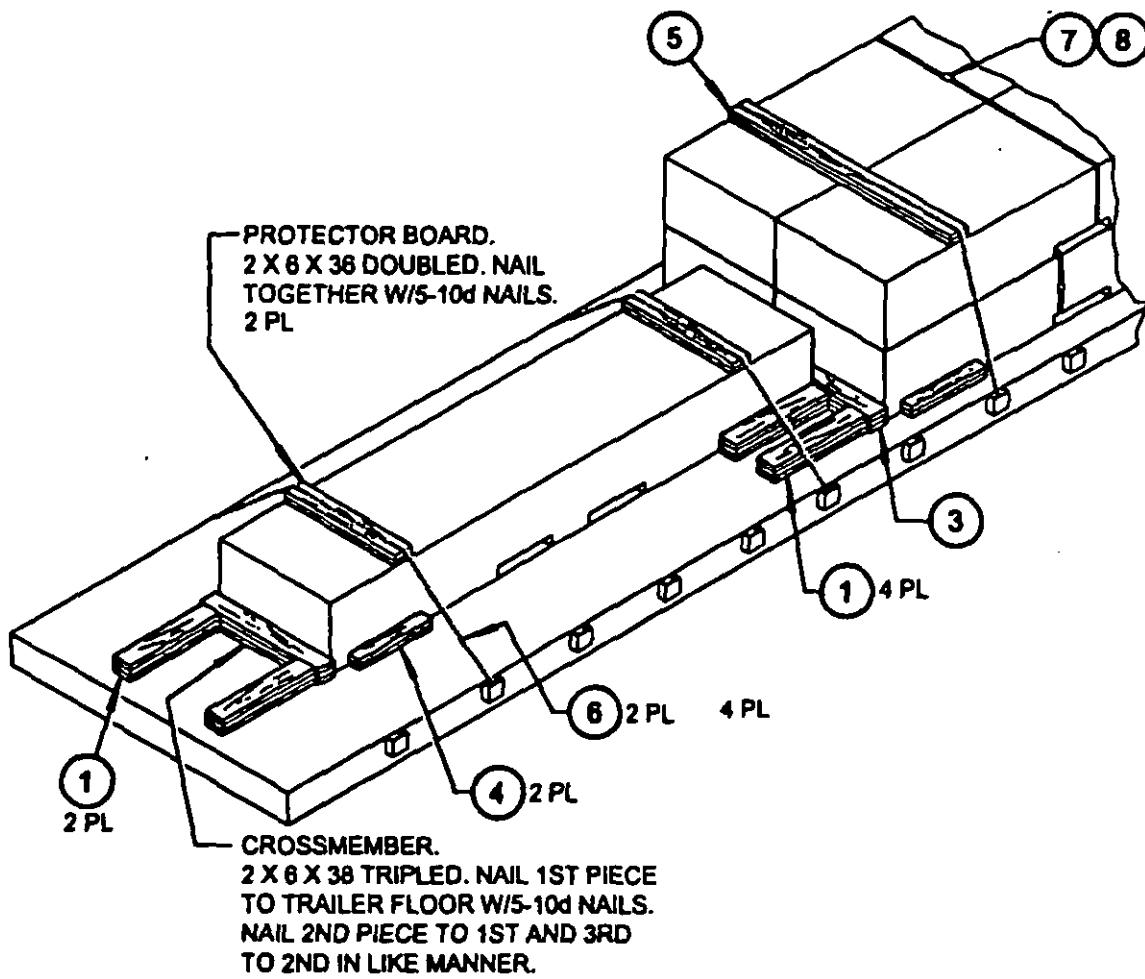
ITEM	DESCRIPTION	MAT'L/DWG	DIMENSIONS
8	STRAP SEAL	STEEL	1-1/4" SIZE
7	CROSS STRAP	STEEL	1-1/4 X .035 X 17 FT
6	CHAIN & LOADBINDER	STEEL	
5	PROTECTOR BOARD	WOOD	2 X 6 X 72
4	CROSSMEMBER	WOOD	2 X 4 X 74
3	SLEEPER	WOOD	2 X 4 X 24
2	CROSSMEMBER	WOOD	2 X 6 X 74
1	BACKUP CLEAT	WOOD	2 X 6 X 30

LIST OF MATERIALS

MIL-STD-1320-253B (NAVY)

LESS THAN FULL LOAD NOTES:

1. ANY STACK MAY CONSIST OF ONE, TWO, FOUR, OR SIX CONTAINERS. STACKS OF THREE OR FIVE CONTAINERS ARE NOT AUTHORIZED AS THEY WOULD BE UNEVEN STACKS.
2. FLOOR BLOCKING FOR THE INTERFACE BETWEEN A 2-WIDE STACK AND A 1-WIDE STACK SHALL BE AS SHOWN IN DETAIL B BELOW.
3. END BLOCKING FOR SINGLE WIDE STACKS OF CONTAINERS SHALL BE AS SHOWN IN DETAIL B BELOW.



DETAIL B

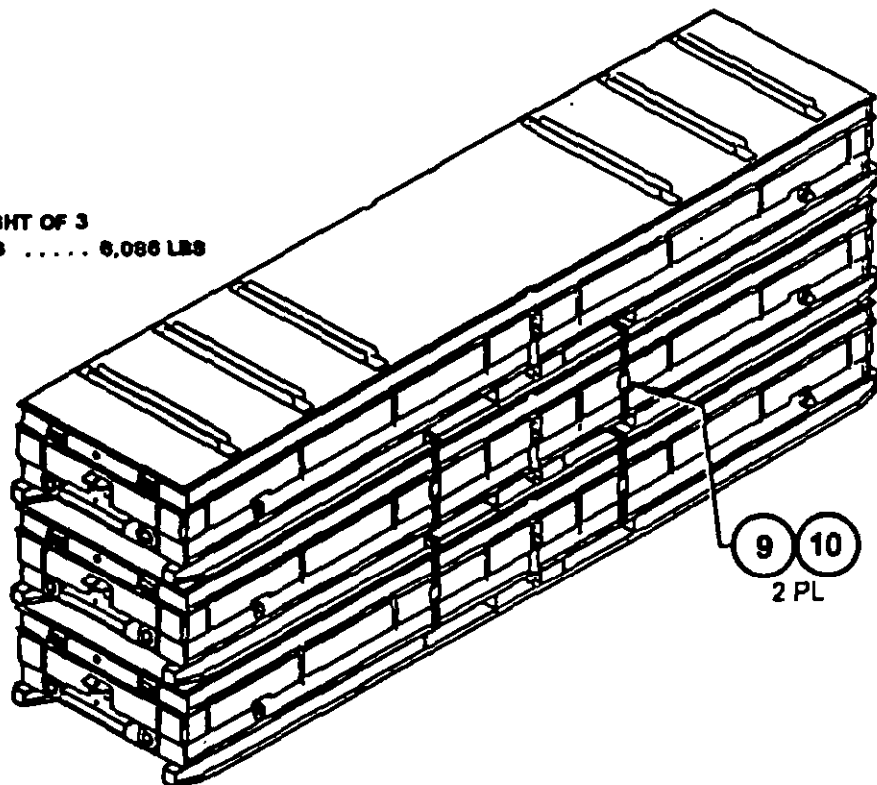
UNITIZING PROCEDURE FOR 3 CONTAINERS:

1. USING A FORKLIFT OR OTHER SUITABLE LIFTING DEVICE, CAREFULLY STACK ONE CONTAINER ON TOP OF A TWO-CONTAINER UNIT LOAD. THE TWO CONTAINER UNIT LOAD SHALL HAVE BEEN UNITIZED IN ACCORDANCE WITH MIL-STD-1320-360.
2. THREAD TWO STEEL STRAPS, ITEM 9, THROUGH THE FORK POCKETS OF THE UPPER TWO CONTAINERS AS SHOWN BELOW. TENSION AND SECURE EACH STRAP WITH ONE DOUBLE NOTCHED SEAL, ITEM 10.
3. IF AVAILABLE HANDLING EQUIPMENT DOES NOT HAVE SUFFICIENT SAFE WORKING LOAD TO HANDLE THREE CONTAINERS, STACK THIRD CONTAINER AFTER LOADING FIRST TWO ON TRAILER. UNITIZING STRAPS, ITEM 9, SHALL BE PREPOSITIONED AS NECESSARY.

WARNING

THE STRAPPING TOGETHER OF CONTAINERS TO FORM A UNIT LOAD OF CONTAINERS THREE HIGH IS AUTHORIZED FOR THE LOADING AND UNLOADING OF TRAILERS ONLY. ANY MOVEMENT OF THESE UNIT LOADS IS LIMITED TO THAT NECESSARY TO LOAD OR UNLOAD THE TRAILER.

GROSS WEIGHT OF 3
CONTAINERS 6,086 LBS



10	STRAP SEAL	STEEL	1-1/4" SIZE
9	UNITIZING STRAP	STEEL	1-1/4 X .035 X 11 FT
ITEM	DESCRIPTION	MAT'L/DWG	DIMENSIONS

LIST OF MATERIALS

PREPARING ACTIVITY
NAVY - 05
(PROJECT NO. 8140-N1143)