

MILITARY STANDARD

MIL-STD-1320-275

(NAVY)

18 JUNE 1993

TRUCKLOADING

ADG-770/B ADAPTER GROUP

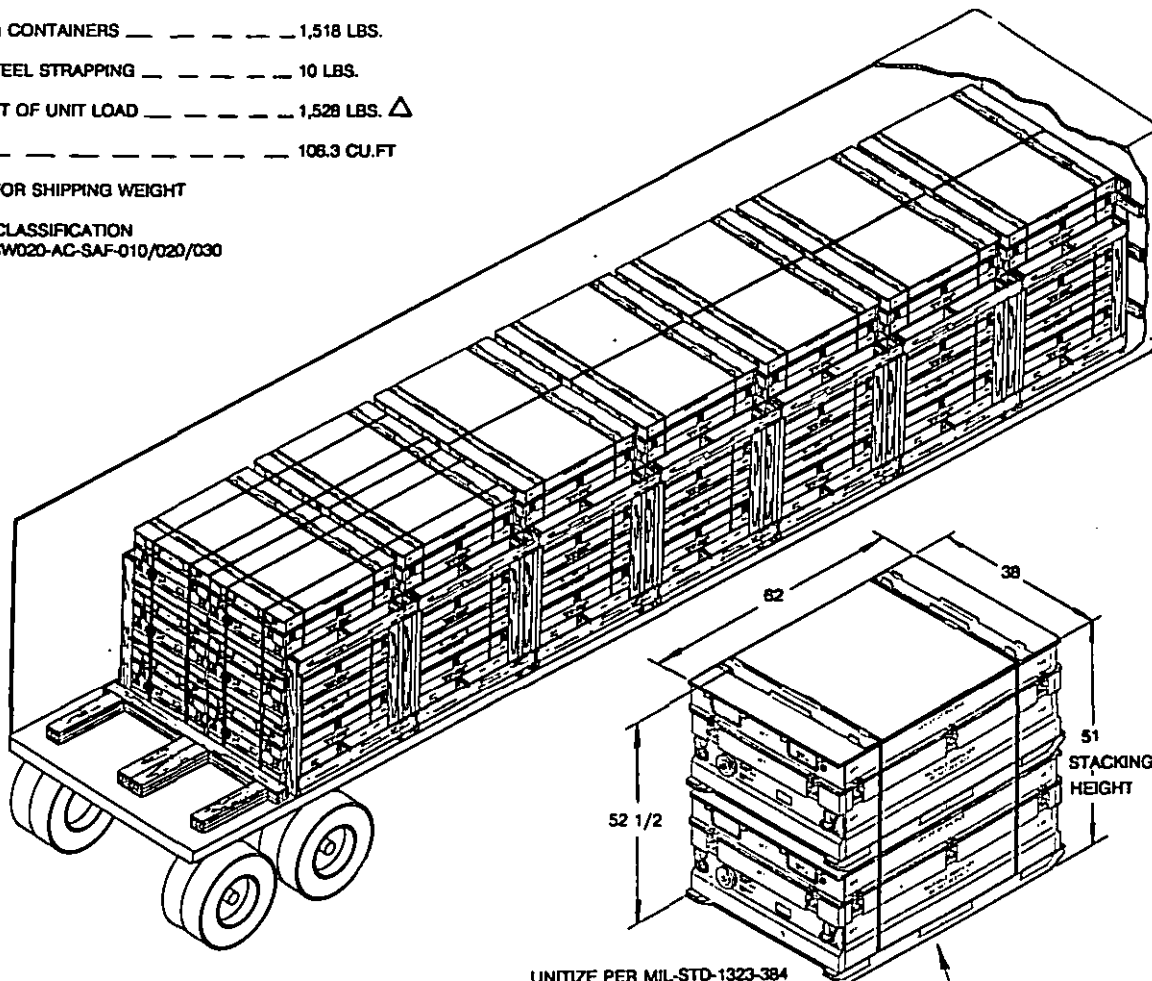
IN CNU- 439A/E CONTAINER

UNIT LOAD DATA

WEIGHT OF (1) CONTAINER _ _ _ _ _ 506 LBS.
 WEIGHT OF (3) CONTAINERS _ _ _ _ _ 1,518 LBS.
 WEIGHT OF STEEL STRAPPING _ _ _ _ _ 10 LBS.
 GROSS WEIGHT OF UNIT LOAD _ _ _ _ _ 1,528 LBS. Δ
 CUBE _ _ _ _ _ 108.3 CU.FT

 Δ DO NOT USE FOR SHIPPING WEIGHT

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



UNITIZE PER MIL-STD-1323-384

NOTE: ADDITIONAL CONTAINER TO
 BE ADDED ON AND UNITIZED AS
 PER PAGE 7

REF: GROSS WEIGHT 1,017 LBS

AMSC NO. - N/A

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 APPROVED FOR PUBLIC RELEASE:
 DISTRIBUTION IS UNLIMITED.

NOTES:

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
2. FOR CROSS REFERENCE TO ASSOCIATED PALLETIZING, CONTAINERLOADING AND CARLOADING MILITARY STANDARDS, REFER TO INDEX TO STANDARDS, MIL-HDBK-236 (NAVY).

REV LTR	REVISION DESCRIPTION	DATE	TDA	SYS COM
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FSC 8140

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SIGNATURE *[Signature]* TDA, WPNSTA EARLE DATE 6-17-93
 SIGNATURE *[Signature]* NAVAIRSYSCOM BY DIRECTION DATE 6-18-93

ORIGINATOR

WPNSTA EARLE, NEW JERSEY

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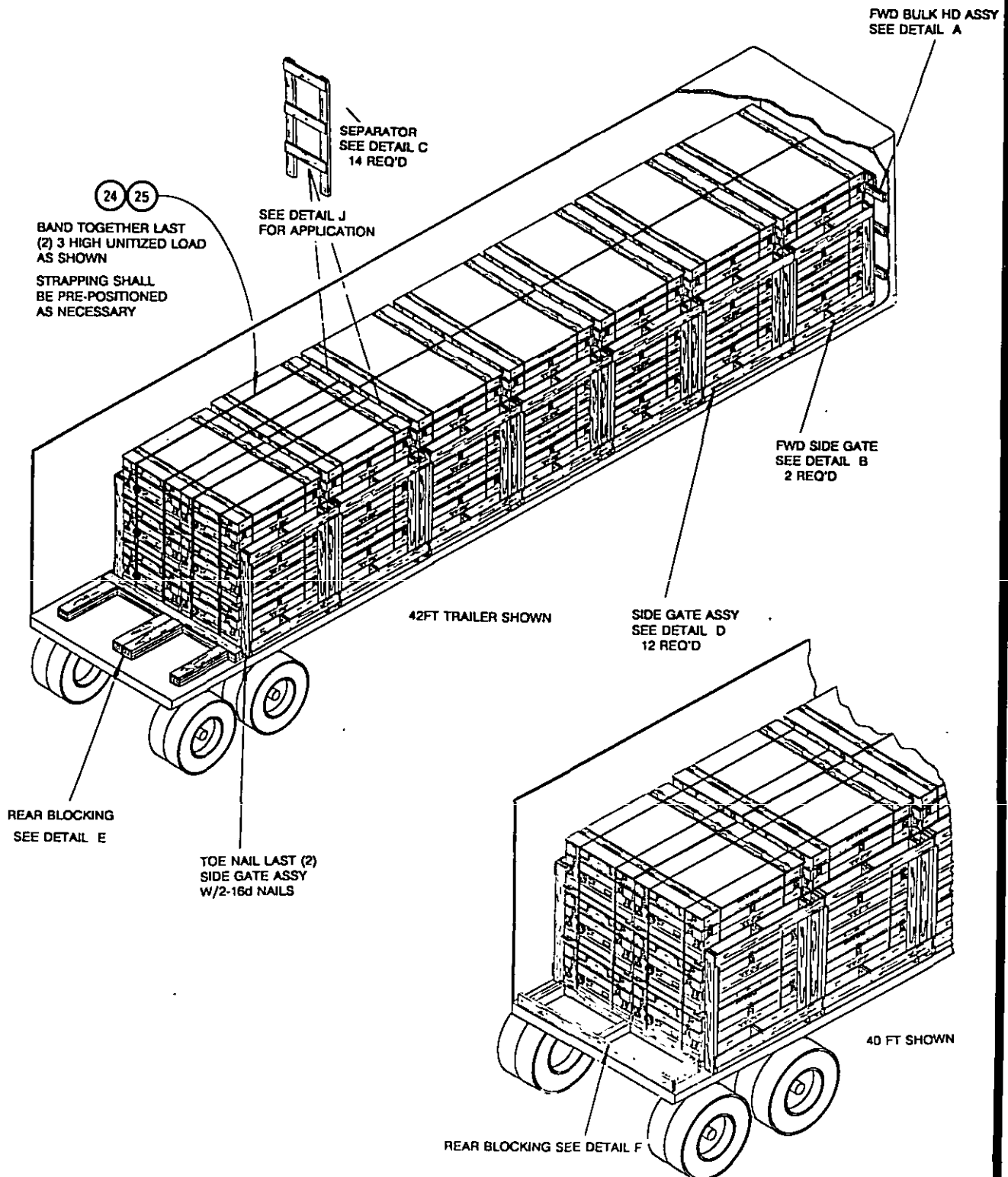
MIL-STD-1320-275 (NAVY)**GENERAL NOTES:**

1. THIS DOCUMENT GIVES DETAILED INSTRUCTIONS FOR TRUCKLOADING THE ADG-770/B ADAPTER GROUP PACKAGED IN THE CNU-439A/E SHIPPING AND STORAGE CONTAINER. THE UNIT LOAD SHOWN ON PAGE 1 SHALL BE IN ACCORDANCE WITH MIL-STD-1323-384 (NAVY).
2. THE PROCEDURES DESCRIBED HEREIN ARE INTENDED FOR 40 FT AND LONGER ENCLOSED TRAILERS. SHORTER THAN 40 FT TRAILERS MAY BE USED FOR LESS THAN FULL LOADS PROVIDED THE SAME BLOCKING AND BRACING PRINCIPLES OUTLINED IN THIS DOCUMENT CAN BE APPLIED. DO NOT USE TRAILERS WITH ALL METAL FLOORS.
3. FOR LESS THAN FULL TRUCKLOADS (LTL), FOLLOW THE PRINCIPLES CONTAINED IN THIS DOCUMENT, DECREASING THE NUMBER OF CONTAINERS AS REQUIRED.
4. UNLESS OTHERWISE SPECIFIED, DUNNAGE LUMBER, STEEL STRAPPING, STRAP SEALS, AND NAILS SHALL BE AS SPECIFIED IN THE GENERAL TRUCKLOADING DOCUMENT MIL-STD-1320 (NAVY).
5. 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.
6. FOR GENERAL TRUCKLOADING PROCEDURES REFER TO THE GENERAL TRUCKLOADING DOCUMENT, MIL-STD-1320 (NAVY).

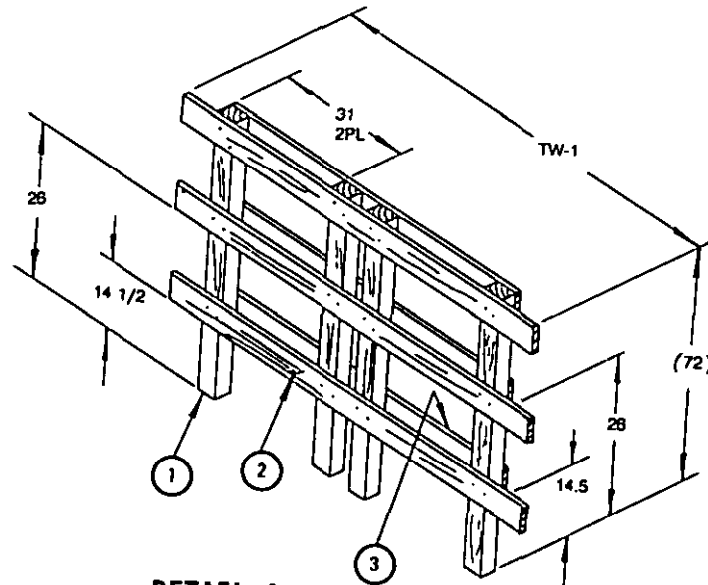
FTL

THIS LAYOUT REPRESENTS A FULL TRUCKLOAD CONSISTING OF 42 CONTAINERS LOADED ON A 42 FT TRAILER. THIS DOES NOT LIMIT FTL SHIPMENTS TO THE QUANTITY SHOWN SINCE FTL SHIPMENTS MAY CONSIST OF A GREATER NUMBER WHEN LOADED ON LONGER TRAILERS.

WHEN SHIPPING VARIOUS QUANTITIES OR LESS THAN TRUCK LOAD REFER TO THE BLOCKING AND BRACING PROCEDURES AS SHOWN ON PAGE 6

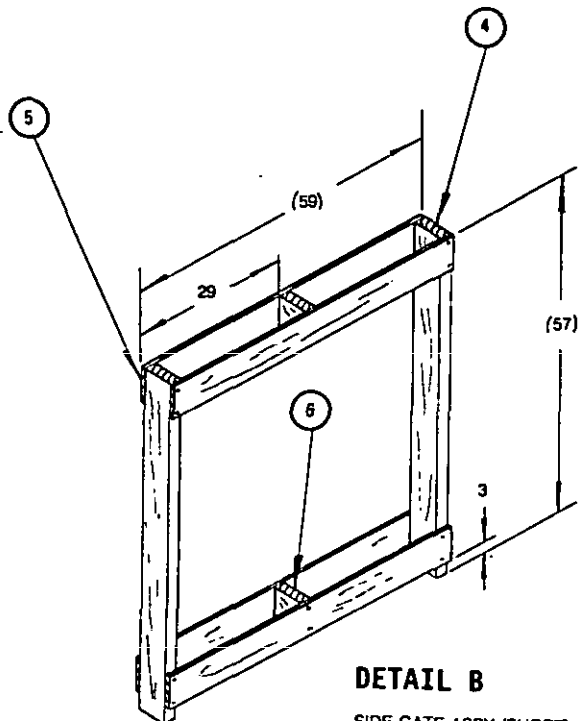


MIL-STD-1320-275 (NAVY)



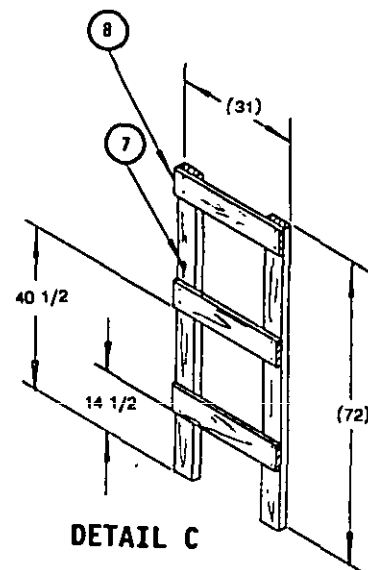
DETAIL A

FWD BULKHEAD ASSY
JOIN TOGETHER W/2-10d
NAILS/JOINT



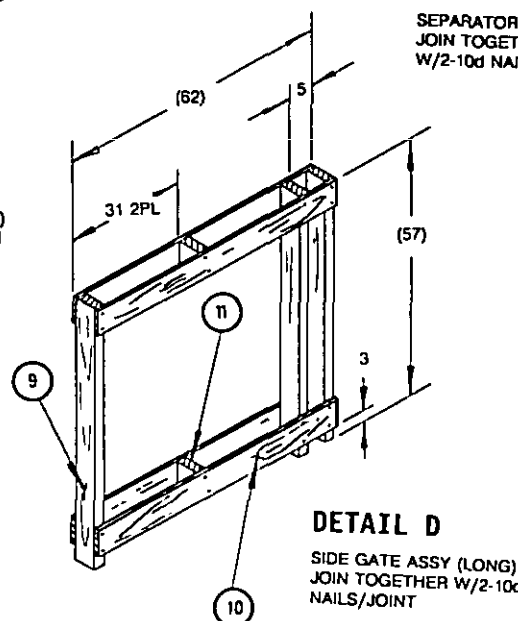
DETAIL B

SIDE GATE ASSY (SHORT)
JOIN TOGETHER W/2-10d
NAILS/JOINT.



DETAIL C

SEPARATOR
JOIN TOGETHER
W/2-10d NAILS/JOINT



DETAIL D

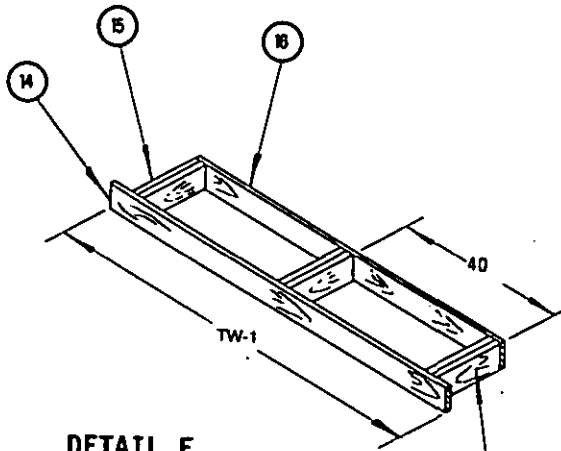
SIDE GATE ASSY (LONG)
JOIN TOGETHER W/2-10d
NAILS/JOINT

(2 X 6) X (80) TRIPLED
NAIL 1st PC TO TRAILER FLOOR
W/1-18d NAIL EVERY 8-7 INCHES.
NAIL 2nd PC TO 1st AND 3rd
TO 2nd IN LIKE MANNER.

2 X 6 X (30) TRIPLED
NAIL 1st PC TO TRAILER
FLOOR W/6-18d NAILS.
NAIL 2nd PC TO 1st &
3rd TO 2nd IN LIKE
MANNER 4PL

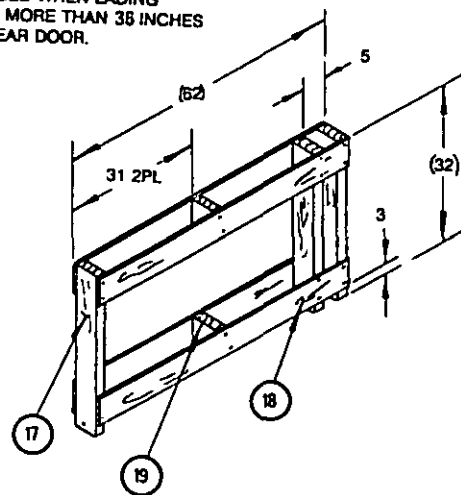
DETAIL E

AFT BLOCKING TO BE
USED WHEN LADING
IS MORE THAN 35 INCHES
REAR DOOR.



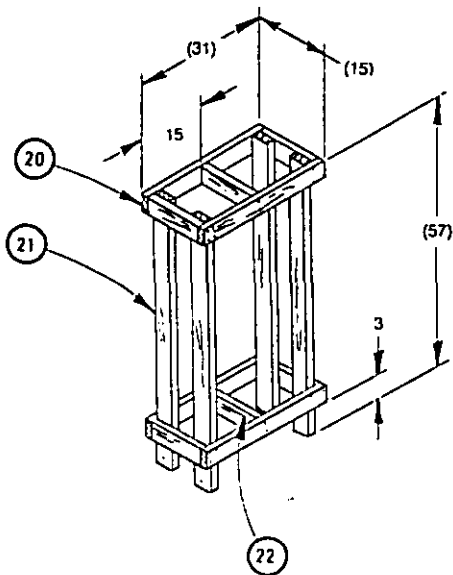
DETAIL F

JOIN TOGETHER W/2-10d NAILS/JOINT
USE WHEN THE DISTANCE FROM THE
LADING AND REAR DOOR IS FROM
12-36 INCHES



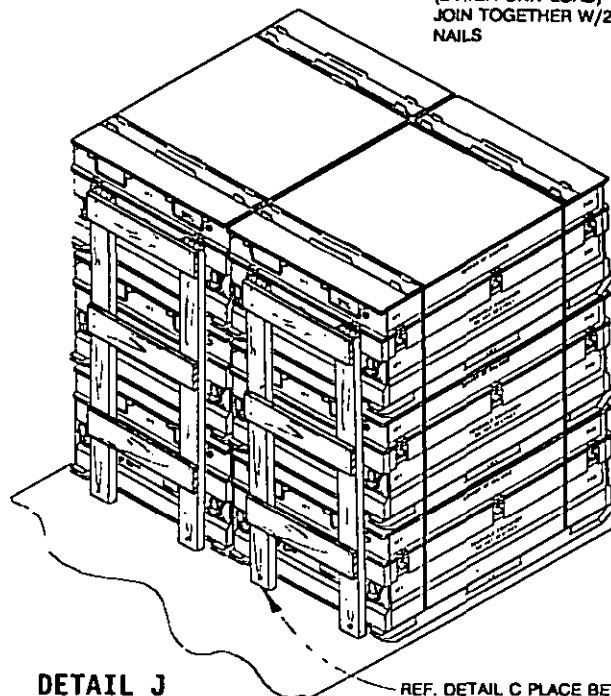
DETAIL G

SIDE GATE ASSY FOR
(2 HIGH UNIT LOAD)
JOIN TOGETHER W/2-10d
NAILS



DETAIL H

SIDE GATE ASSY
JOIN TOGETHER W/10-2d
NAILS 2/JOINT
2 REQ'D



DETAIL J

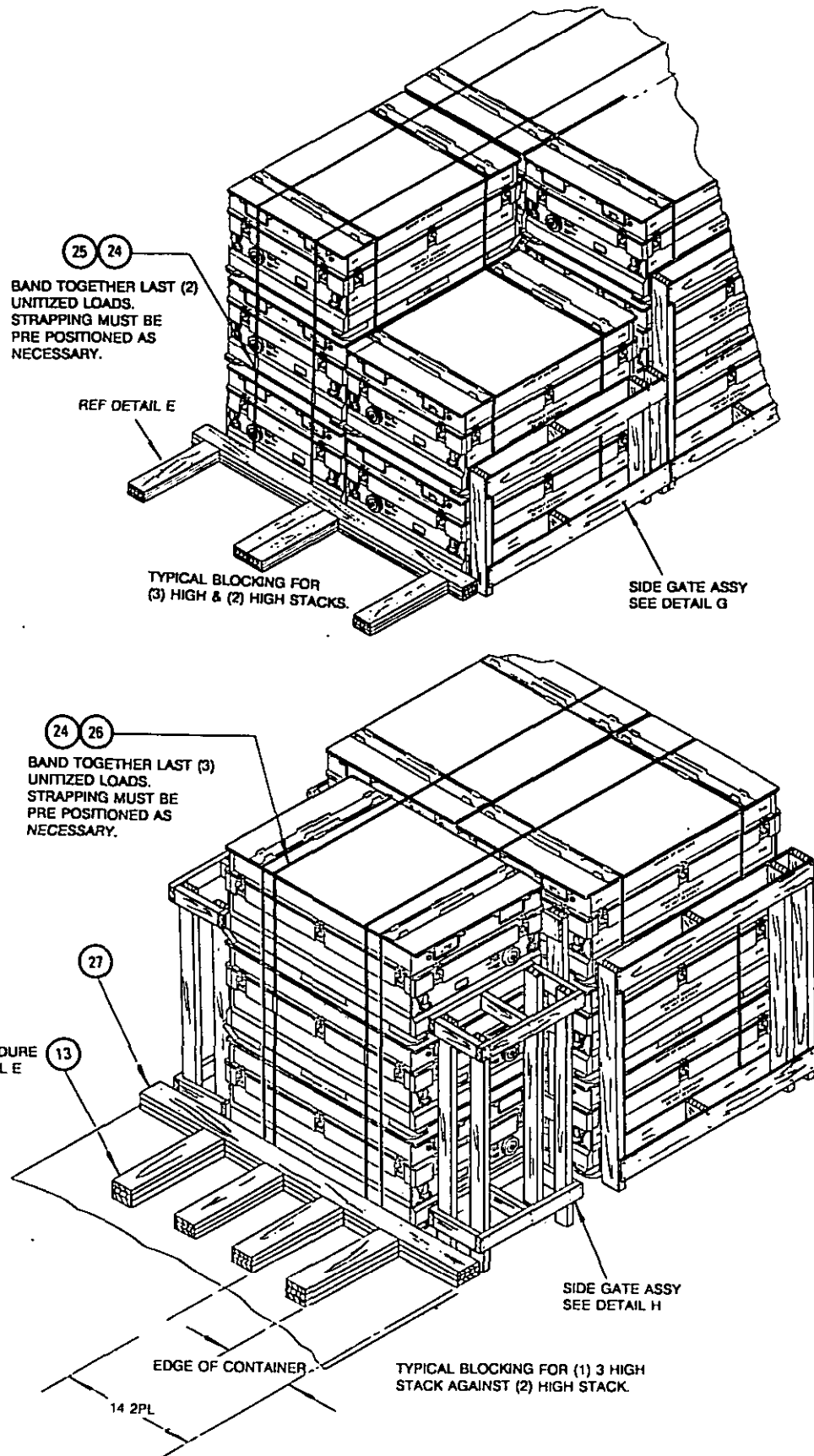
(APPLICATION OF SEPARATOR)

REF. DETAIL C PLACE BETWEEN
EACH UNIT LOAD & TOE NAIL
TO TRAILER FLOOR W/2-18d
NAILS/PC.

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LTL

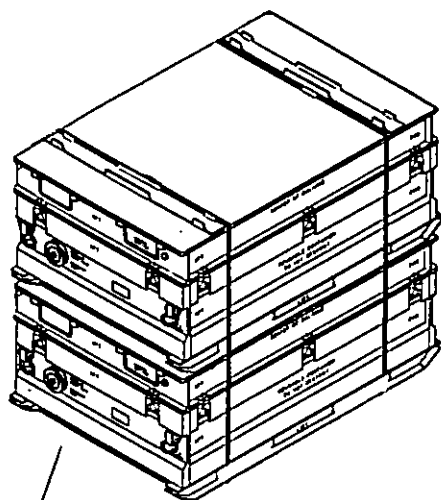
WHEN NECESSARY TO SHIP LESS THAN A FULL TRUCK LOAD REFER TO THE TYPICAL BLOCKING AND BRACING PROCEDURES SHOWN AND APPLY AS NECESSARY.



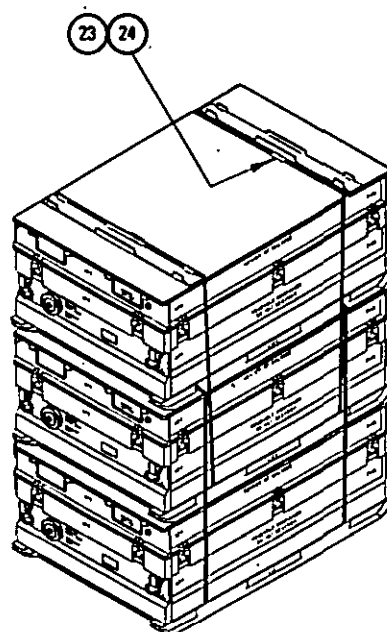
UNITIZING PROCEDURE**NOTE:**

THE UNITIZING PROCEDURE SHOWN HERE IS FOR ADDING AN EXTRA CONTAINER TO A PREVIOUSLY UNITIZED LOAD REF (MIL-STD-1323-384) AND UNITIZING TO MAKE A THREE HIGH UNIT LOAD.

1. USING A FORK LIFT TRUCK, STACK 3RD CONTAINER ON TO THE UNITIZED LOAD. BE SURE TO ALIGN THE STACKING FEATURES.
2. POSITION TWO STRAPS, ITEM 23, THROUGH THE FORK POCKETS OF THE 2ND CONTAINER AND ON OVER THE TOP CONTAINER.
3. TENSION STRAPPING, ITEM 23, AND DOUBLE NOTCH SEALS, ITEM 24.



REF MIL-STD-1323-384

**WARNING**

THE STRAPPING TOGETHER OF CONTAINERS TO FORM A UNIT LOAD OF CONTAINERS THREE (3) 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.

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3	27	CROSSMEMBER (LTL)		2 X 6 X TW-1
2	28	STRAPPING, (LAST 3 UNIT LOADS)	STEEL	.035 X 3/4 X 32 FT
2	25	STRAPPING, (LAST 4 UNIT LOADS)	STEEL	.035 X 3/4 X 34 FT
AR	24	SEALS	STEEL	FOR 3/4 STRAPPING
2	23	STRAPPING, UNITIZING	STEEL	.035 3/4 X 16 FT
2	22	SUPPORT	(DETAIL H)	2 X 4 X 12
4	21	VERTICAL		2 X 4 X 57
4	20	HORIZONTAL	(DETAIL H)	2 X 4 X 31
2	19	FILLER	(DETAIL G)	2 X 6 X 3 1/2
4	18	HORIZONTAL		1 X 4 X 62
3	17	VERTICAL	(DETAIL G)	2 X 6 X 32
1	16	HORIZONTAL	(DETAIL F)	2 X 6 X 80
6	15	BRACE		2 X 6 X AR
1	14	HORIZONTAL	(DETAIL F)	2 X 6 X TW-1
12	13	BACKUP CLEAT	(DETAIL E)	2 X 6 X 30
3	12	CROSSMEMBER	(DETAIL E)	2 X 6 X 80
2	11	FILLER	(DETAIL D)	2 X 6 X 3 1/2
2	10	HORIZONTAL		1 X 4 X 62
3	9	VERTICAL	(DETAIL D)	2 X 6 X 57
3	8	HORIZONTAL	(DETAIL C)	1 X 4 X 31
2	7	VERTICAL	(DETAIL C)	2 X 4 X 72
2	6	FILLER	(DETAIL B)	2 X 6 X 3 1/2
4	5	HORIZONTAL		1 X 4 X 59
2	4	VERTICAL	(DETAIL B)	2 X 6 X 57
3	3	HORIZONTAL	(DETAIL A)	2 X 6 X 70
3	2	HORIZONTAL (LONG)		2 X 6 X TW-1
4	1	POST, VERTICAL	(DETAIL A)	4 X 4 X 72
REQ	ITEM	DESCRIPTION	MAT'L/DWG	DIMENSIONS
LIST OF MATERIALS				

REVIEW ACTIVITY
NAVY- AS

PREPARING ACTIVITY:
NAVY-OS
(PROJECT NO. 8140-0090)