

UNIT LOAD

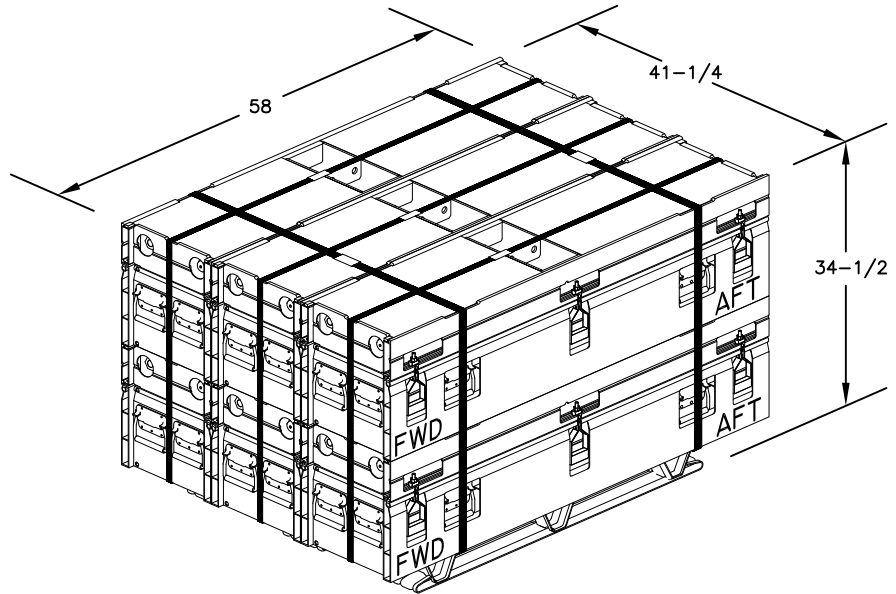
FOR UNDERWAY REPLENISHMENT OF MINE NEUTRALIZATION DESTRUCTORS MARK 64, EX 64, MARK 65, EX 65, & MARK 66 FOR SHIPPING AND STORAGE IN A MK 812 MOD 0 CONTAINER

UNIT LOAD DATA

	PARTIAL UNIT LOADS				
	5	4	3	2	1
NUMBER OF CONTAINERS PER UNIT LOAD6					
LOADED WEIGHT OF ONE CONTAINER143 LBS	143 LBS	143 LBS	143 LBS	143 LBS	143 LBS
EMPTY WEIGHT OF ONE CONTAINER106 LBS WITH DUNNAGE AND IM SHIELD	106 LBS	106 LBS	106 LBS	106 LBS	106 LBS
WEIGHT OF STEEL STRAPPING6 LBS	6 LBS	5 LBS	5 LBS	4 LBS	3 LBS
WEIGHT OF WOODEN FILLER FRAMEN/A	30 LBS	N/A	N/A	N/A	N/A
WEIGHT OF PALLET87 LBS	87 LBS	87 LBS	87 LBS	87 LBS	87 LBS
GROSS WEIGHT OF UNIT LOAD951 LBS	838 LBS	664 LBS	521 LBS	377 LBS	233 LBS
CUBE47.8 CU FT	47.8 CU FT	46.3 CU FT	27.4 CU FT	26.5 CU FT	26.5 CU FT
DIMENSIONSSEE ILLUSTRATION					

NOTE

SEE PAGES 5, 6, AND 7
FOR PARTIAL UNIT LOADS



NOTES:

1. GROSS WEIGHT IS ESTIMATED ONLY. DO NOT USE FOR SHIPPING WEIGHT.
2. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
3. FOR TRUCKLOADING, USE DRAWING 7516501, 7516502, OR 7516503.
4. DO NOT STACK MORE THAN 5 UNIT LOADS HIGH.
5. FOR UNIT LOAD QUALIFICATION SEE PHST CENTER TEST REPORT NO. 07150

DISTRIBUTION STATEMENT D
DISTRIBUTION IS AUTHORIZED TO U.S.
GOVERNMENT AGENCIES AND THEIR
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USE; 15 NOVEMBER 2011. OTHER REQUESTS
FOR THIS DOCUMENT SHALL BE REFERRED TO
THE NAVAL SEA SYSTEMS COMMAND, PMS 495.

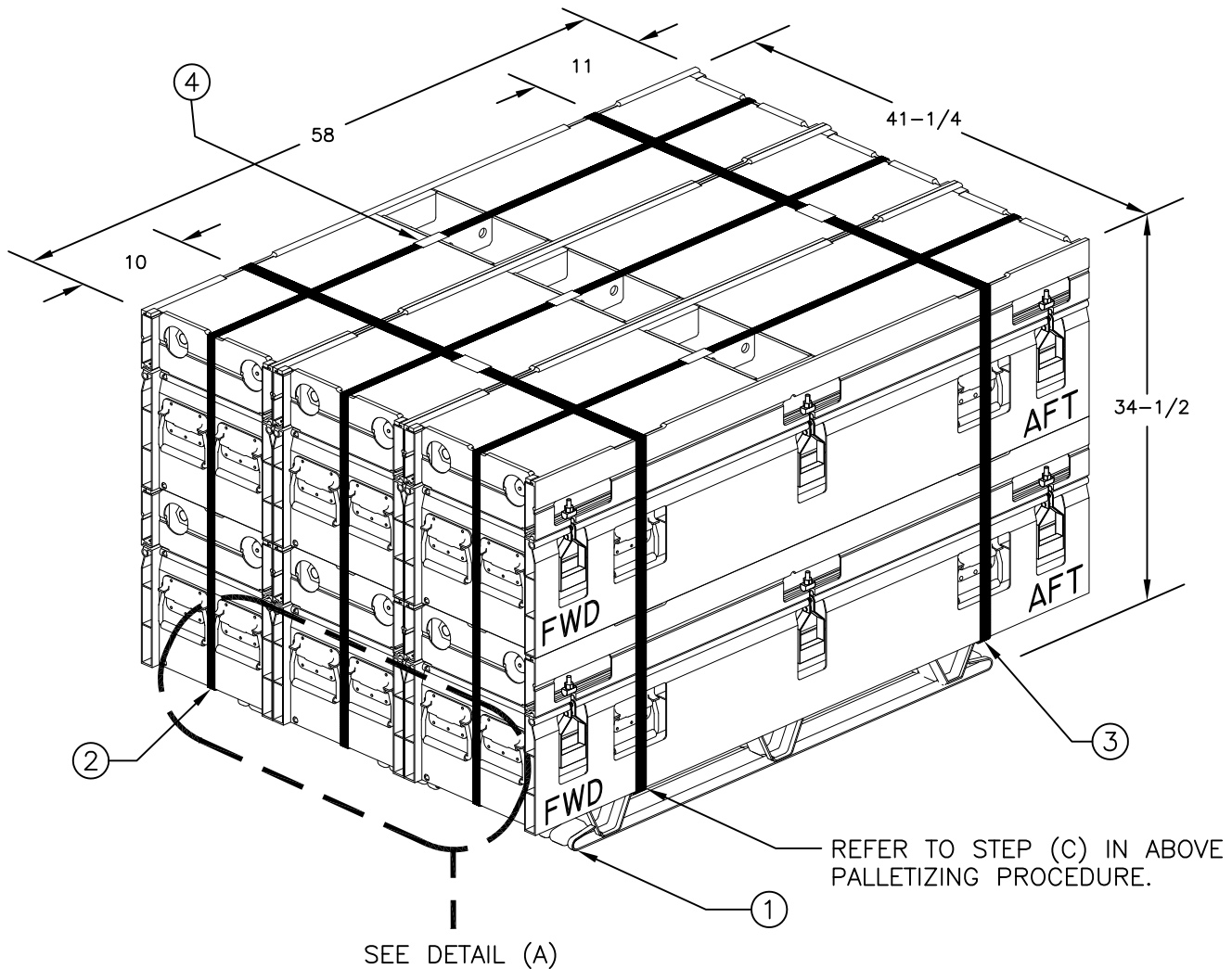
A	SEE NSWC IHD ECP 111064	11-11-17	S/ MAB	S/ RS	
-	ORIGINAL ISSUE				
REV.	REVISION DESCRIPTION	DATE	TDA	SYSCOM	
NAVAL PHST CENTER - CODE G12 NAVSURFWARCEN DET EARLE 201 HIGHWAY 34 COLTS NECK, NJ 07722-5023		DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON NAVY YARD, D.C. 20376			
PREPARED BY	E. HOOVER	11-06-27	REQUIREMENTS FOR CONSTRUCTION OF THIS UNIT LOAD SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF MIL-STD-1323 (NAVY). THIS LOAD IS AUTHORIZED & RELEASED FOR SHIPPING & STORAGE, TRANSFER-AT-SEA, & FOR SHIPMENT BY COMMON CARRIER.		
DESIGN ENGINEERING	S/ M. BOYER	11-08-23			
SYSTEMS ENGINEERING	S/ A. LEISSING	11-08-23			
APPROVED FOR NAVSEA S/ ROY SMITH / 11/8/24		SIZE	CAGE CODE	DWG NO.	REV.
		A	53711	7516925	A
SIGN ONLY IF ENGINEERING HAS BEEN "PROVEN" BY MANUFACTURE AND TEST		SCALE	PAGE 1 OF 7		
		N/A			

PALLETIZING PROCEDURE

- (A) THREAD STRAPPING, ITEM 2, BETWEEN DECK WIRES OF THE PALLET, ITEM 1, AS SHOWN IN DETAIL A, WITH EQUAL LENGTHS OF STRAPPING EXTENDING BEYOND EACH END OF THE PALLET, AS SHOWN IN DETAIL B.
- (B) POSITION THE CONTAINERS ON THE PALLET WITH 3 INCH OVERHANG ON THE FWD END AND EQUAL OVERHANG ON BOTH SIDES. CONTAINERS SHALL BE FACING THE SAME DIRECTION.
- (C) POSITION STRAPPING, ITEM 3, THRU THE RUNNERS AND OVER THE CONTAINERS, TENSION AND DOUBLE NOTCH THE SEALS, ITEM 4.
- (D) POSITION STRAPPING, ITEM 2, OVER THE CONTAINERS, TENSION AND DOUBLE NOTCH THE SEALS, ITEM 4.

MARKING:

IN ADDITION TO ANY SPECIAL MARKING REQUIRED BY CONTRACT OR ORDER, THE UNIT LOAD SHALL BE MARKED IN ACCORDANCE WITH 28620-ACV00561.



4	5	SEAL	SEE MAT. NOTE 2	FOR 3/4" STRAPPING
3	2	STEEL STRAPPING	SEE MAT. NOTE 1	3/4 X .035 X 14 FT
2	3	STEEL STRAPPING	SEE MAT. NOTE 1	3/4 X .035 X 17 FT
1	1	PALLET, MK 3 MOD 0	564200	40 X 48 X 4 3/4
ITEM	REQ'D	DESCRIPTION	MAT'L/DWG.	DIMENSIONS
LIST OF MATERIALS				

OPTIONAL PALLETIZING PROCEDURE TO PREVENT CHAFING OF CONTAINERS

- (A) THREAD STRAPPING, ITEM 2, BETWEEN DECK WIRES OF THE PALLET, ITEM 1, AS SHOWN IN DETAIL A, WITH EQUAL LENGTHS OF STRAPPING EXTENDING BEYOND EACH END OF THE PALLET. AS SHOWN IN DETAIL B.
- (B) POSITION THE CONTAINERS ON THE PALLET WITH PPP-C-1797 CUSHIONING ON EACH SIDE OF THE CENTER TWO CONTAINERS. THERE SHALL BE A 3 INCH OVERHANG ON THE FWD END AND EQUAL OVERHANG ON BOTH SIDES OF THE PALLET. CONTAINERS SHALL BE FACING THE SAME DIRECTION.
- (C) COVER THE TOP OF THE CONTAINERS WITH PPP-C-1797 CUSHIONING. DO NOT OBSTRUCT THE STACKING FEATURES.
- (D) CUSHIONING SHALL BE HELD IN PLACE WITH ASTM D5486-93, TYPE III (1" x 2") TAPE.
- (E) POSITION STRAPPING, ITEM 3, THRU THE RUNNERS AND OVER THE CONTAINERS. POSITION ASTM D4727, CLASS WR, GRADE W5S, OR EQUIVALENT EDGE PROTECTORS UNDER THE STRAPPING. TENSION THE STRAPS AND DOUBLE NOTCH THE SEALS, ITEM 4.
- (F) POSITION STRAPPING, ITEM 2, OVER THE CONTAINERS. POSITION ASTM D4727, CLASS WR, GRADE W5S, OR EQUIVALENT EDGE PROTECTORS UNDER THE STRAPPING. TENSION THE STRAPS AND DOUBLE NOTCH THE SEALS, ITEM 4.

MATERIAL NOTES

- (1) STRAPPING SHALL CONFORM TO ASTM D3953, FLAT, TYPE 1, HEAVY DUTY, FINISH B, GRADE 2.
- (2) SEALS SHALL CONFORM TO ASTM D3953, CLASS H, FINISH B, GRADE 2, STYLE I, II, OR, IV.
- (3) SOLID LUMBER SHALL CONFORM TO VOLUNTARY PRODUCTS STANDARD PS-20-99.
- (4) NAILS SHALL CONFORM TO ASTM F1667 DESIGNATION F1667 NL CM S-XX B, WHERE "XX" DESIGNATES THE SIZE (I.E., 8d, 10d, ETC.)
- (5) UNITED NATIONS (UN), INTERNATIONAL PLANT PROTECTION COMMISSION (IPPC) RESTRICTIONS REGARDING SOLID WOOD PACKAGING MATERIAL (WPM): IN ACCORDANCE WITH THE REQUIREMENTS OF INTERNATIONAL STANDARDS FOR PHYTOSANITARY MEASURES (ISPM) 15 "GUIDELINES FOR REGULATING WOOD PACKAGING MATERIAL IN INTERNATIONAL TRADE." THE FOLLOWING COMMERCIAL HEAT TREATMENT PROCESS HAS BEEN APPROVED BY THE AMERICAN LUMBER STANDARDS COMMITTEE (ALSC) AND IS REQUIRED FOR ALL NON-MANUFACTURED WOOD PACKAGING MATERIAL (WPM). WPM SHALL BE CONSTRUCTED FROM HEAT TREATED (HT TO 56 DEGREES CENTIGRADE FOR 30 MINUTES) LUMBER AND CERTIFIED BY AN ACCREDITED AGENCY RECOGNIZED BY THE ALSC IN ACCORDANCE WITH WOOD PACKAGING MATERIAL POLICY AND WOOD PACKAGING MATERIAL ENFORCEMENT REGULATIONS ([HTTP://WWW.ALSC.ORG](http://www.alsc.org)). EACH PIECE OF WOOD MUST INCLUDE CERTIFICATION MARKINGS IN ACCORDANCE WITH ALSC STANDARDS AND BE PLACED IN AN UNOBSTRUCTED AREA THAT WILL BE READILY VISIBLE TO INSPECTORS. ALL DUNNAGE USED IN CONFIGURING AND/OR SECURING THE LOAD SHALL ALSO COMPLY WITH ISPM 15 AND BE MARKED WITH AN ALSC APPROVED DUNNAGE STAMP. FAILURE TO COMPLY WITH THE REQUIREMENTS OF THIS RESTRICTION MAY RESULT IN REFUSAL, DESTRUCTION OR TREATMENT OF MATERIALS AT THE POINT OF ENTRY, POSSIBLY CAUSING UNACCEPTABLE DELAY IN DELIVERY OF NEEDED PARTS.

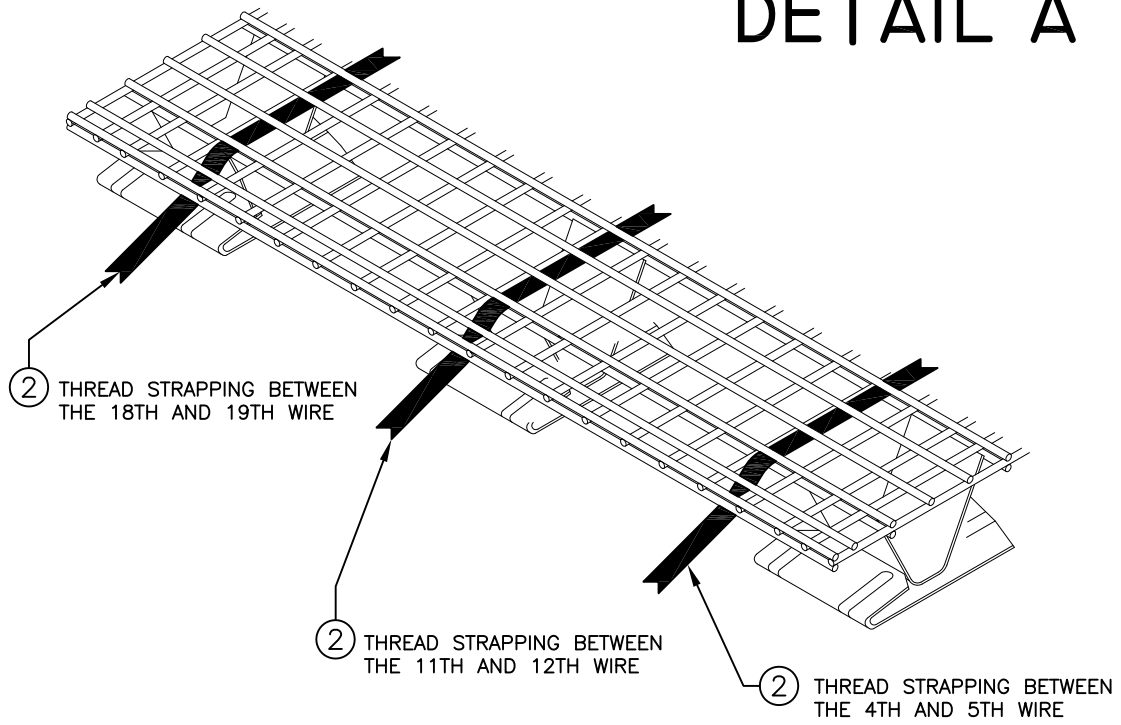
DE-PALLETIZING PROCEDURE

- (1) CUT AND REMOVE STRAPPING.
- (2) REMOVE CONTAINERS.

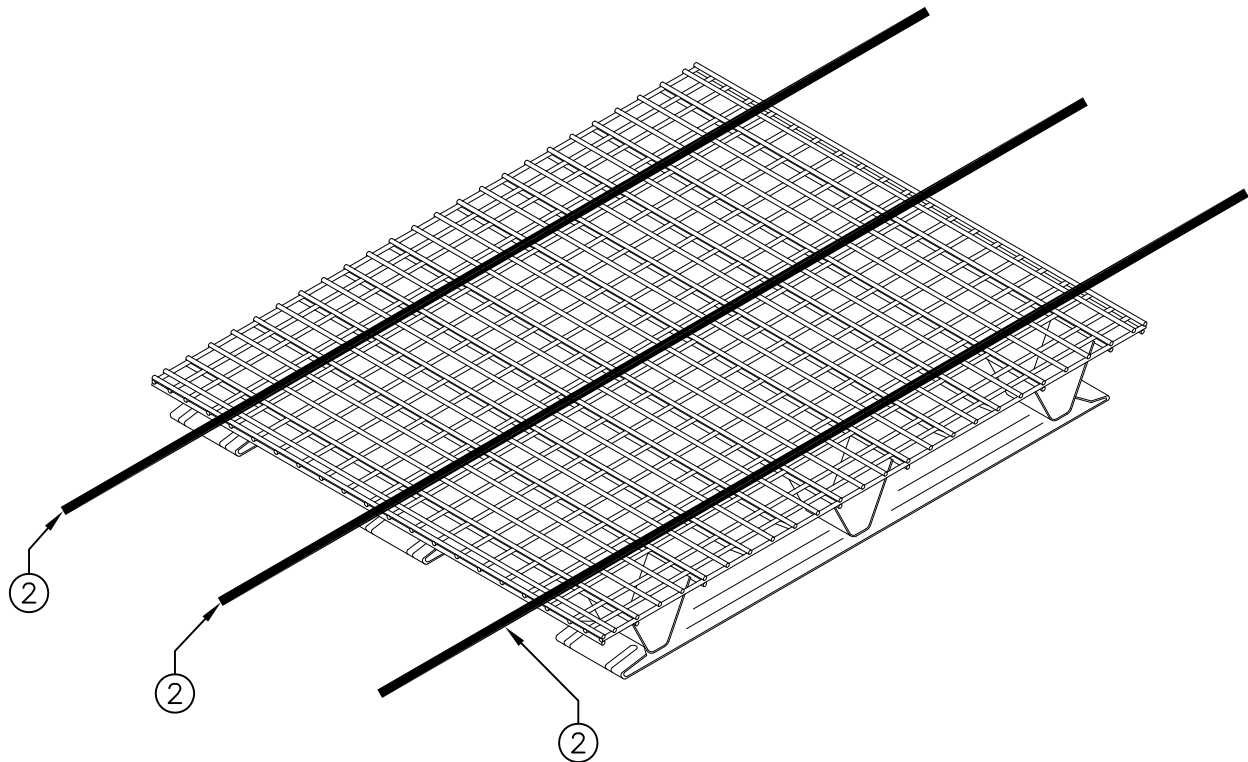
WARNING

WEAR LEATHER GLOVES AND EYE PROTECTION (WITH SIDE SHIELDS) OR GOGGLES TO PREVENT INJURY WHEN PERFORMING STRAPPING OPERATIONS. RAPIDLY UNCOILING STRAPPING MAY CAUSE INJURY. DIRECT STRAPPING AWAY FROM PERSONNEL WHEN CUTTING STRAPPING UNDER TENSION.

DETAIL A



DETAIL B



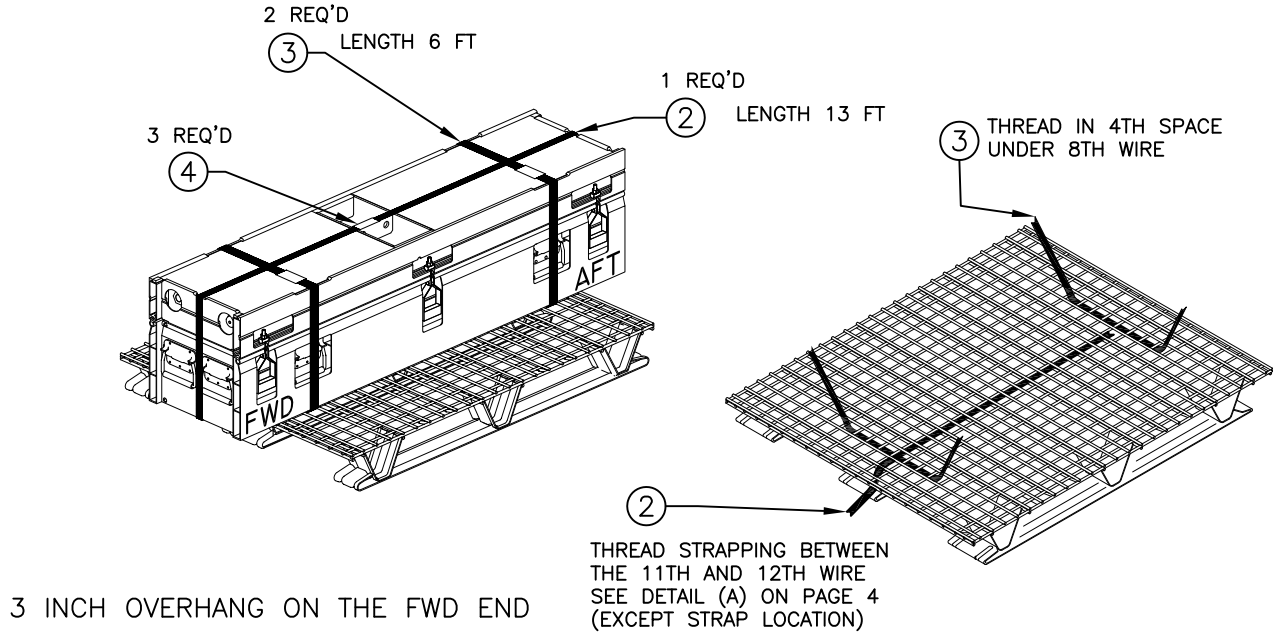
PARTIAL UNIT LOADS

PALLETIZING PROCEDURE

ASSEMBLE THE PARTIAL UNIT LOADS IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS SHOWN ON PAGE 2, EXCEPT FOR STRAPPING LENGTH, THREADING OF STRAPPING, ITEM 3, AND THE FILLER ASSEMBLY, WHERE APPLICABLE.

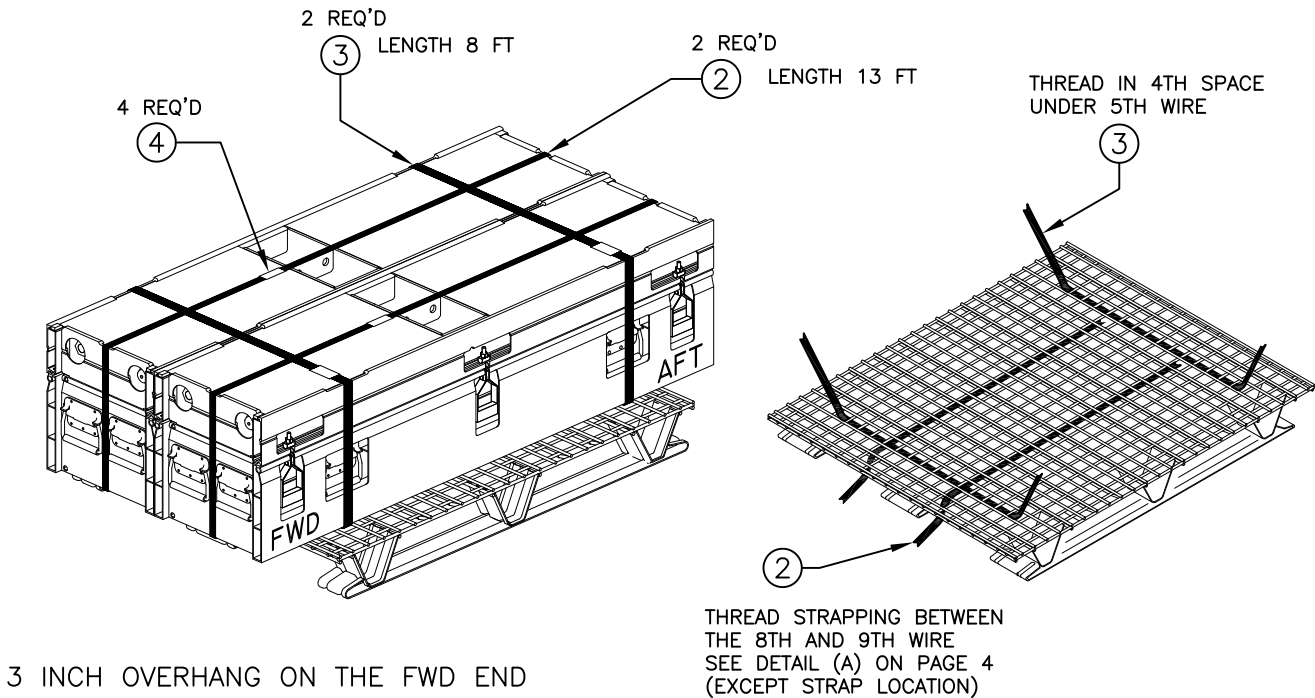
UNIT LOAD OF 1 CONTAINER

DIMENSIONS: 58 L X 40 W X 19-3/4 H



UNIT LOAD OF 2 CONTAINERS

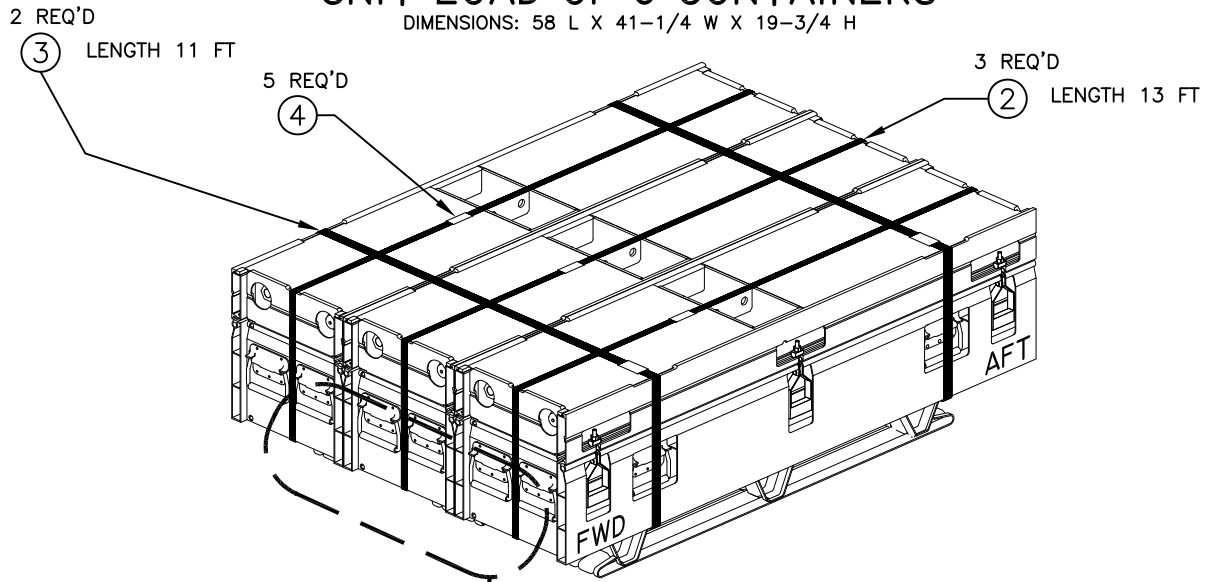
DIMENSIONS: 58 L X 40 W X 19-3/4 H



PARTIAL UNIT LOADS (CONTINUED)

UNIT LOAD OF 3 CONTAINERS

DIMENSIONS: 58 L X 41-1/4 W X 19-3/4 H

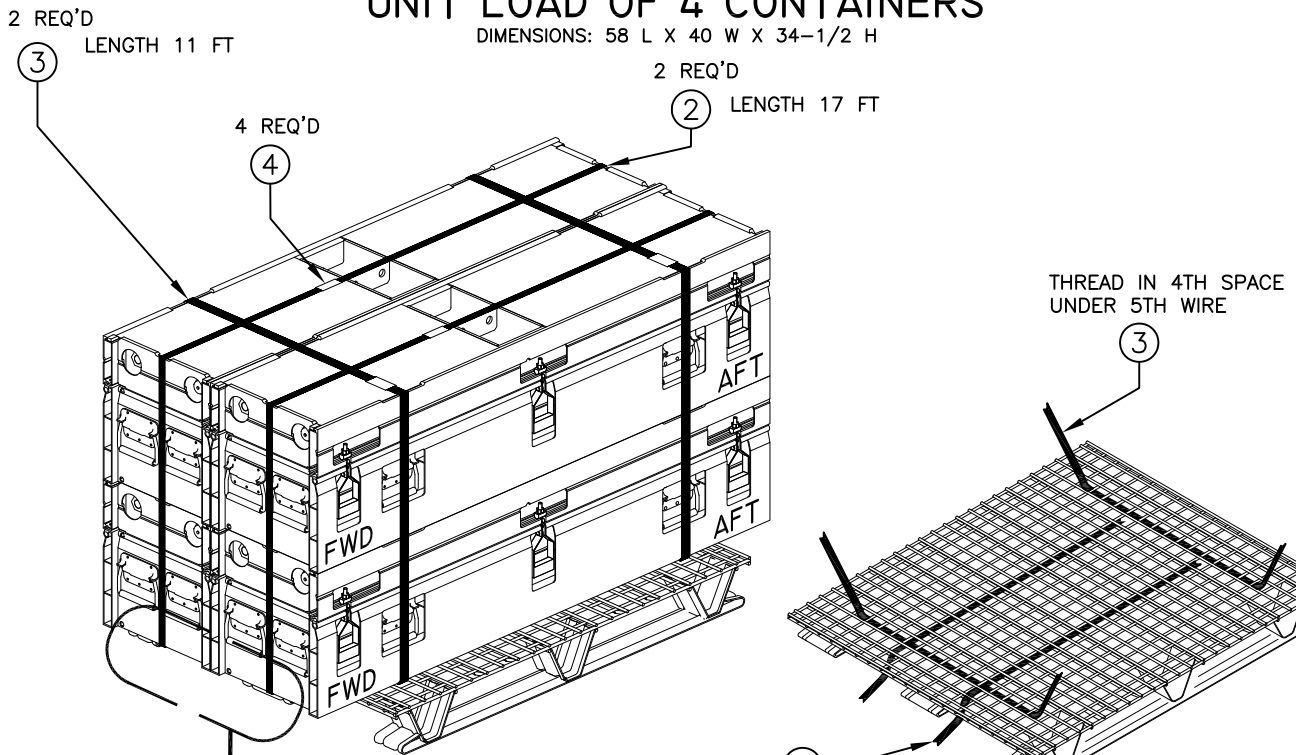


SEE DETAIL (A) ON PAGE 4

3 INCH OVERHANG ON THE FWD END

UNIT LOAD OF 4 CONTAINERS

DIMENSIONS: 58 L X 40 W X 34-1/2 H



SEE DETAIL (A) ON PAGE 4

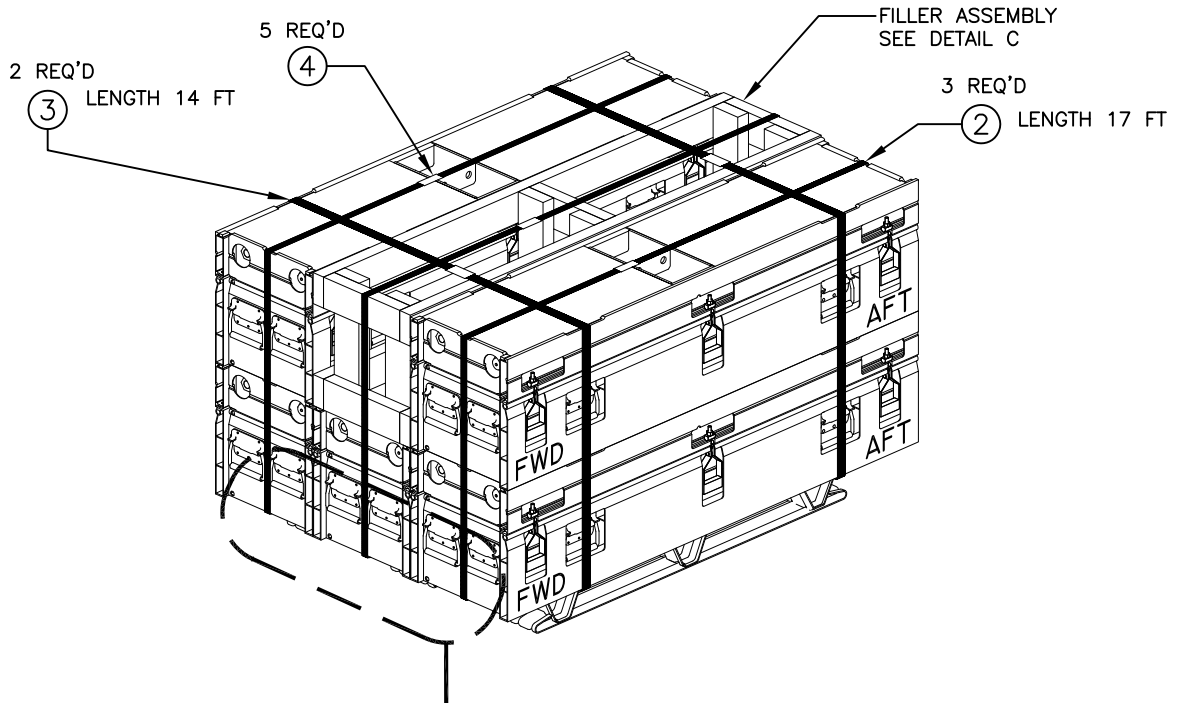
THREAD STRAPPING BETWEEN THE 8TH AND 9TH WIRE
SEE DETAIL (A) ON PAGE 4
(EXCEPT STRAP LOCATION)

3 INCH OVERHANG ON THE FWD END

PARTIAL UNIT LOADS (CONTINUED)

UNIT LOAD OF 5 CONTAINERS

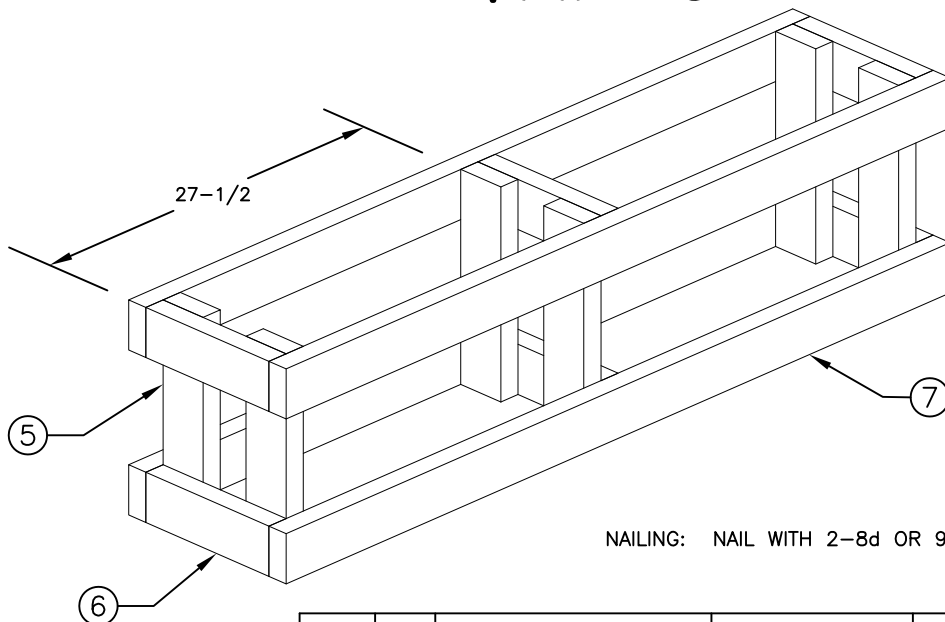
DIMENSIONS: 58 L X 41-1/2 W X 34-1/2 H



SEE DETAIL (A) ON PAGE 4

3 INCH OVERHANG ON THE FWD END

DETAIL C



NAILING: NAIL WITH 2-8d OR 9d NAILS PER JOINT.

ITEM	REQ'D	DESCRIPTION	MAT'L/DWG.	DIMENSIONS
7	4	HORIZONTAL	SEE MATERIAL NOTES 3 & 5	2 X 4 X 58
6	6	CROSS BRACE	SEE MATERIAL NOTES 3 & 5	2 X 4 X 10-3/4
5	6	VERTICAL	SEE MATERIAL NOTES 3 & 5	2 X 4 X 15
ITEM	REQ'D	DESCRIPTION	MAT'L/DWG.	DIMENSIONS

LIST OF MATERIALS