

APPENDIX I

UNITIZING PROCEDURES FOR COMPLETE ROUNDS PACKED IN CYLINDRICAL METAL CONTAINERS ON 4-WAY ENTRY PALLETS

M173 SERIES CONTAINERS

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PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1310-						
00-028-4680	C027	A	IV	(08)1.2	E	2,206
00-028-4689	C027	A	IV	(08)1.2	E	2,206
00-028-4692	C027	A	IV	(08)1.2	E	2,206
00-165-4535	C027	A	IV	(08)1.2	E	2,206
00-965-0703	C027	A	IV	(08)1.2	E	2,206

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4079-20PM1002.

THIS DRAWING SUPERSEDES PART OF DRAWING
19-48-4079-1-2-5-11-14PM1001, DATED SEPTEMBER 1969.

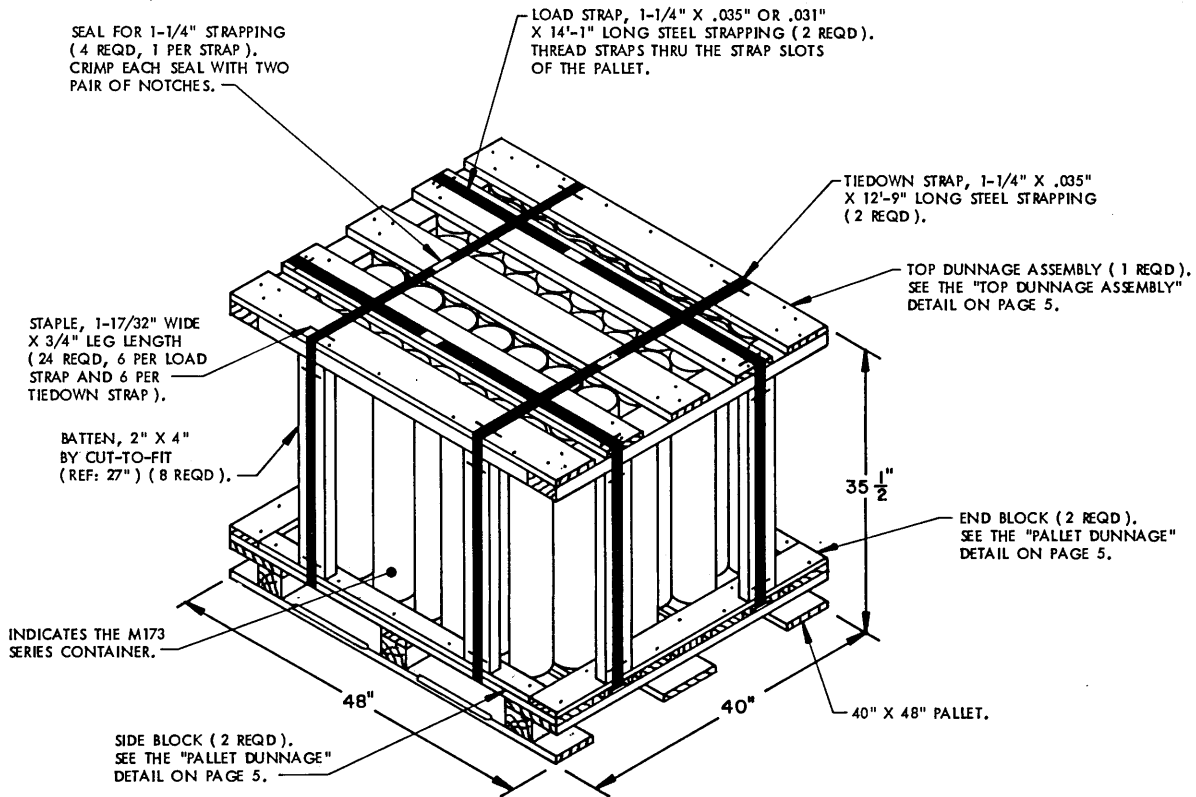
DO NOT SCALE

REVISIONS											
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<i>REV</i>	<i>PH</i>										
			<small>APPROVED, U. S. ARMY ARMAMENT MATERIEL READINESS COMMAND</small> <i>W. H. Benton</i> <i>Daniel L. Felton</i> <small>ORSAW-1A3</small> <small>ORSAW-1A3</small>								
			<small>APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)</small> <i>John Z. Boyd Jr.</i> <small>U. S. ARMY DEFENSE ACQUISITION CENTER AND SCHOOL</small>								
			U. S. ARMY DARCOM DRAWING								
			JANUARY 1981								
			<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><small>CLASS</small></td> <td style="width: 25%;"><small>DIVISION</small></td> <td style="width: 25%;"><small>DRAWING</small></td> <td style="width: 25%;"><small>FILE</small></td> </tr> <tr> <td style="text-align: center;">19</td> <td style="text-align: center;">48</td> <td style="text-align: center;">4079/ 1</td> <td style="text-align: center;">20PM 1002</td> </tr> </table>	<small>CLASS</small>	<small>DIVISION</small>	<small>DRAWING</small>	<small>FILE</small>	19	48	4079/ 1	20PM 1002
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19	48	4079/ 1	20PM 1002								

GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZING PROCEDURES DRAWING 19-48-4079-20PM1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN THIS APPENDIX. ANY EXCEPTIONS TO THE BASIC PROCEDURES ARE SPECIFIED IN THIS APPENDIX.
- B. DIMENSIONS, CUBE AND WEIGHT OF A PALLET UNIT WILL VARY SLIGHTLY DEPENDING UPON THE ACTUAL DIMENSIONS OF THE CONTAINER, WEIGHT OF THE SPECIFIED ITEM AND METHOD OF UNITIZATION.
- C. FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX, SEE DARCOM DRAWING 19-48-4079-1-2-5-11-14PM1001.
- D. FOR THE METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- E. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE CONTAINERS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- F. FOR DETAILS OF THE M173 SERIES CONTAINER, SEE DRAWING NO. 76-1-662.
- | | |
|---------------------------|------------------------------------|
| CONTAINER DIMENSIONS ---- | 29-1/4" LONG BY 4-15/16" DIAMETER. |
| CONTAINER CUBE ----- | 0.3 CUBIC FEET (APPROX) |
| CONTAINER WEIGHT | |
| (WITH ROUND) ----- | 34 POUNDS (APPROX) |
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING COMPLETE ROUNDS WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN THOSE SHOWN ON THE COVER PAGE, PROVIDED THE ITEM IS PACKED IN THE M173 SERIES CONTAINER. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN THOSE SHOWN.

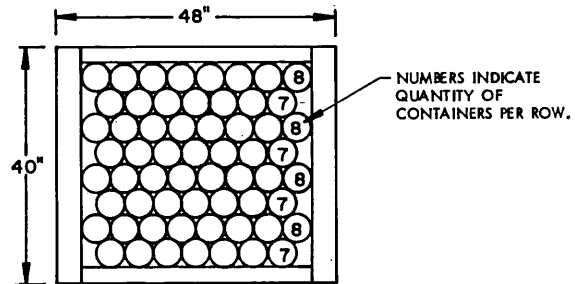
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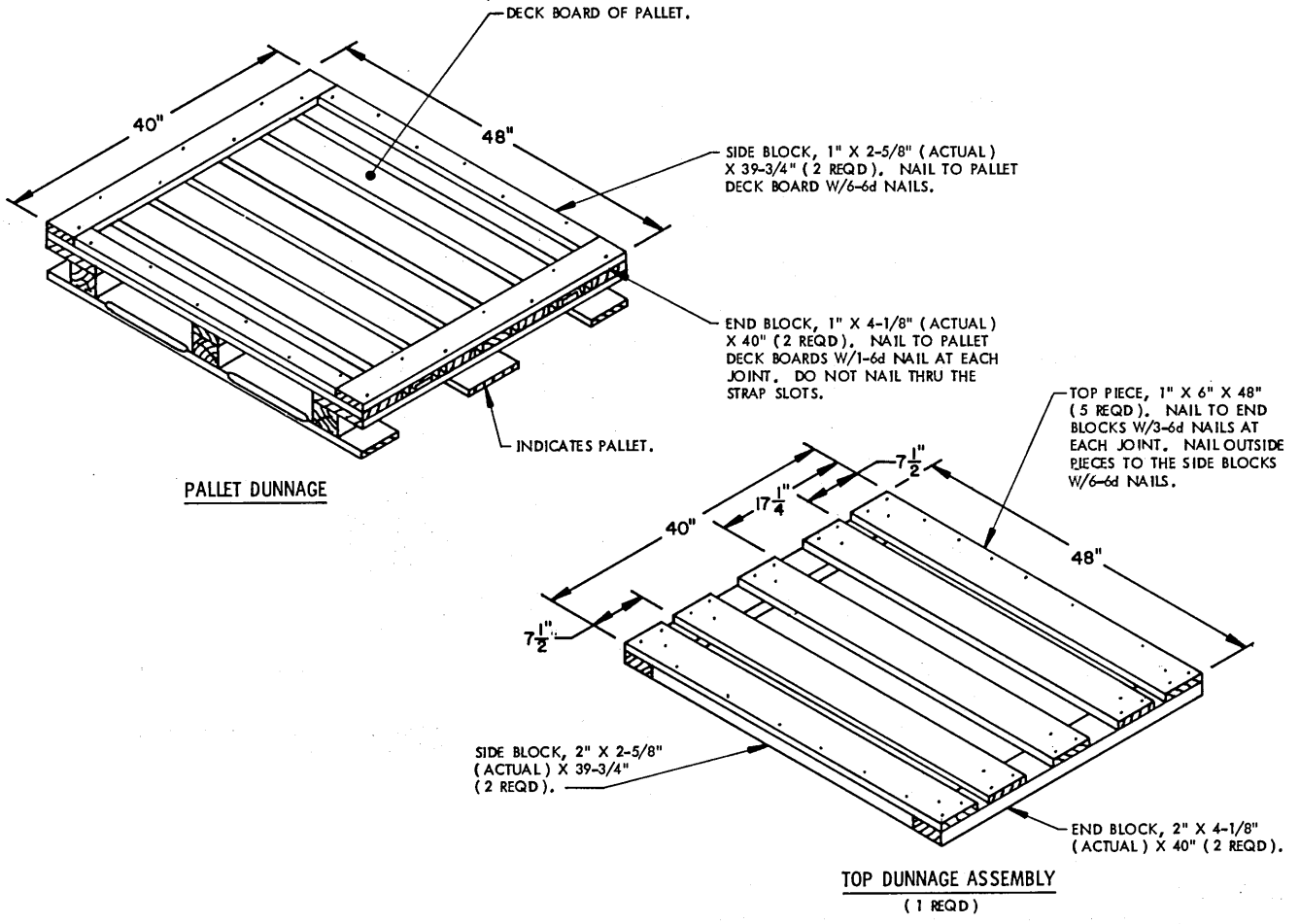
ISOMETRIC VIEW

SPECIAL NOTES:

1. THE UNIT SHOWN ABOVE DEPICTS A 60-CONTAINER PALLET UNIT OF COMPLETE ROUNDS OF AMMUNITION PACKED IN M173 SERIES CYLINDRICAL METAL CONTAINERS. FOR UNITS OF LESS THAN 60 CONTAINERS, SEE THE "FILLERS AND INSTALLATION PROCEDURES FOR OMITTED CONTAINERS" DETAIL ON PAGE 6.
2. THE 2-5/8" AND 4-1/8" ACTUAL WIDTH PIECES SPECIFIED FOR THE PALLET DUNNAGE AND PART OF THE TOP DUNNAGE ASSEMBLY MAY BE RIPPED (SAWED) FROM 4" AND 6" NOMINAL WIDTH PIECES, RESPECTIVELY.
3. DIMENSIONS GIVEN FOR DUNNAGE PIECES OR DUNNAGE ASSEMBLIES WILL BE FIELD CHECKED PRIOR TO THEIR ASSEMBLY TO THE PALLET UNIT. CONTAINERS MUST FIT SNUGLY IN THE DUNNAGE ASSEMBLIES. ALSO, DUE TO THE VARIATION OF CONTAINER DIMENSIONS, ADJUSTMENTS MAY BE REQUIRED AS TO THE LOCATION OF CERTAIN PIECES OF DUNNAGE EITHER IN A DUNNAGE ASSEMBLY OR LOCATED ON THE PALLET.

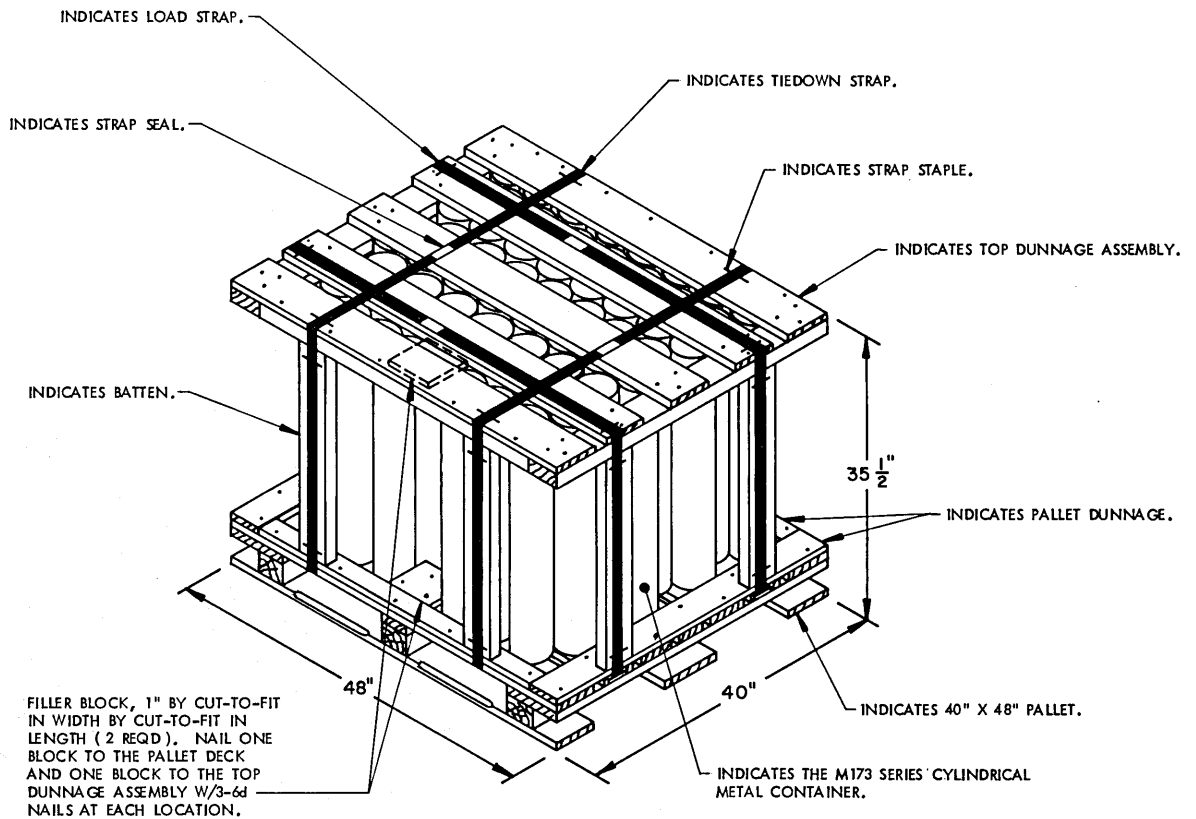


LOADING PATTERN



BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
1" X 4"	6.63	2.21
1" X 6"	26.67	13.34
2" X 4"	24.63	16.42
2" X 6"	6.67	6.67
NAILS	NO. REQD	POUNDS
6d (2")	68	0.40
PALLET, 40" X 48"	1 REQD	80 LBS
STEEL STRAPPING, 1-1/4" X .035" OR .031"	53.67' REQD	7.67 LBS
SEAL FOR 1-1/4" STRAPPING	4 REQD	NIL
STAPLE, 1-17/32" X 3/4"	24 REQD	NIL

UNIT DATA	WEIGHT
CUBE -----	39.4 CUBIC FEET (APPROX)
CONTAINER, M173 SERIES - 60 EA @ 34 LBS -----	2,040 LBS (APPROX)
DUNNAGE -----	86 LBS
PALLET -----	80 LBS
TOTAL WEIGHT -----	2,206 LBS (APPROX)



FILLER DETAIL

SPECIAL NOTES:

1. THE DETAIL ABOVE DEPICTS PROCEDURES TO BE USED WHEN A STANDARD PALLET UNIT MINUS ONE CONTAINER IS TO BE UNITIZED.
2. FILLER BLOCKS ARE TO BE USED TO OCCUPY THE UNUSED AREA LEFT BY OMITTING M173 CONTAINERS. FILLER BLOCKS ARE TO BE PLACED AGAINST THE INSIDE EDGE OF THE PALLET OR TOP DUNNAGE WHEN 21 OR LESS CONTAINERS ARE OMITTED FROM A PALLET UNIT. WHEN MORE THAN 21 CONTAINERS ARE OMITTED FROM A PALLET UNIT, THE FIRST 21 FILLER BLOCKS ARE TO BE PLACED AGAINST THE INSIDE EDGE OF THE PALLET OR TOP DUNNAGE AND THE REMAINING BLOCKS ARE TO BE PLACED WITHIN THE LOAD AS DEEMED APPROPRIATE. ALL FILLER BLOCKS ARE TO BE NAILED AS SPECIFIED IN THE DETAIL ABOVE.