

STORAGE IN 60' & 80' IGLOO , 80' STRADLEY, AND 89' OVAL-ARCH MAGAZINES OF ROCKET, CHEMICAL, 115MM, M55, PACKED 15 PER SHIPPING AND STORAGE PALLET

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THIS DRAWING, INCLUDING REVISION 1 THERETO, SUPERSEDES DRAWING 19-48-4039-CB1-14-22P3, DATED SEPTEMBER 1976.

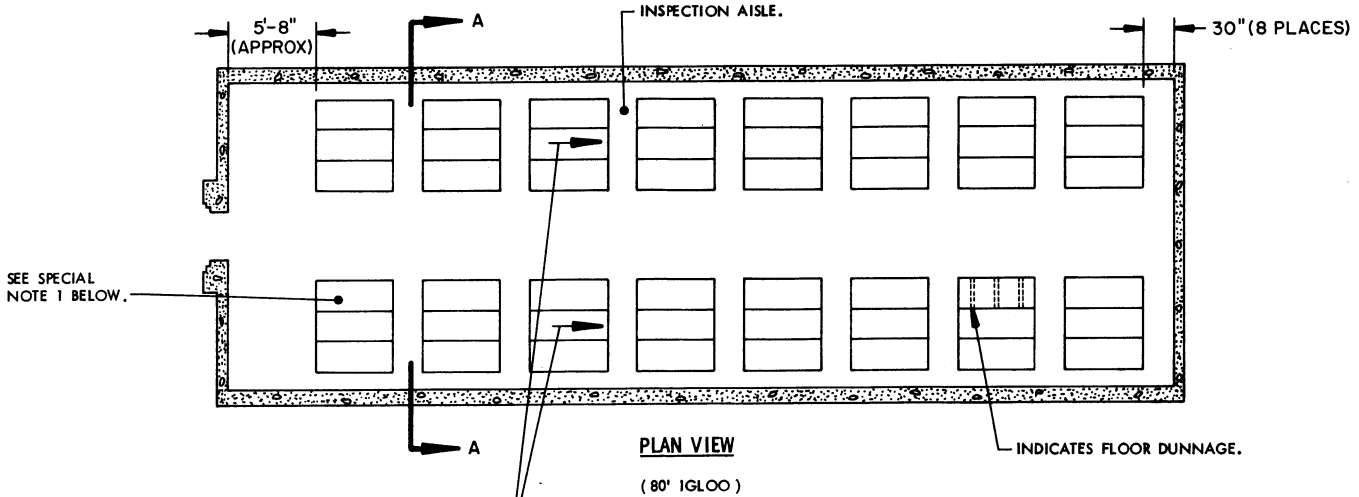
REVISIONS				DRAWN BY <i>TRE</i>	PROJ ENG <i>MWB/WRE</i>
1	APR 85	<i>WRE</i>	<i>J. O. Martin</i>	CHECKER <i>GRE</i>	LOGGING OFFICE <i>W. L. W.</i>
			<i>John L. Bryant</i>	APPROVED, U.S. ARMY ARMAMENT, DIMENSIONS AND CHEMICAL CENTER	
				APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND (AMC)	
				U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	
				U.S. ARMY AMC DRAWING	
				APRIL 1985	
				CLASS	DIVISION
				19	48
				DRAWING	FILE
				4039	CB1-14-22 P3

DO NOT SCALE

STORAGE AS SHOWN

80' IGLOO

ITEM QUANTITY
 PALLET UNITS ----- 176

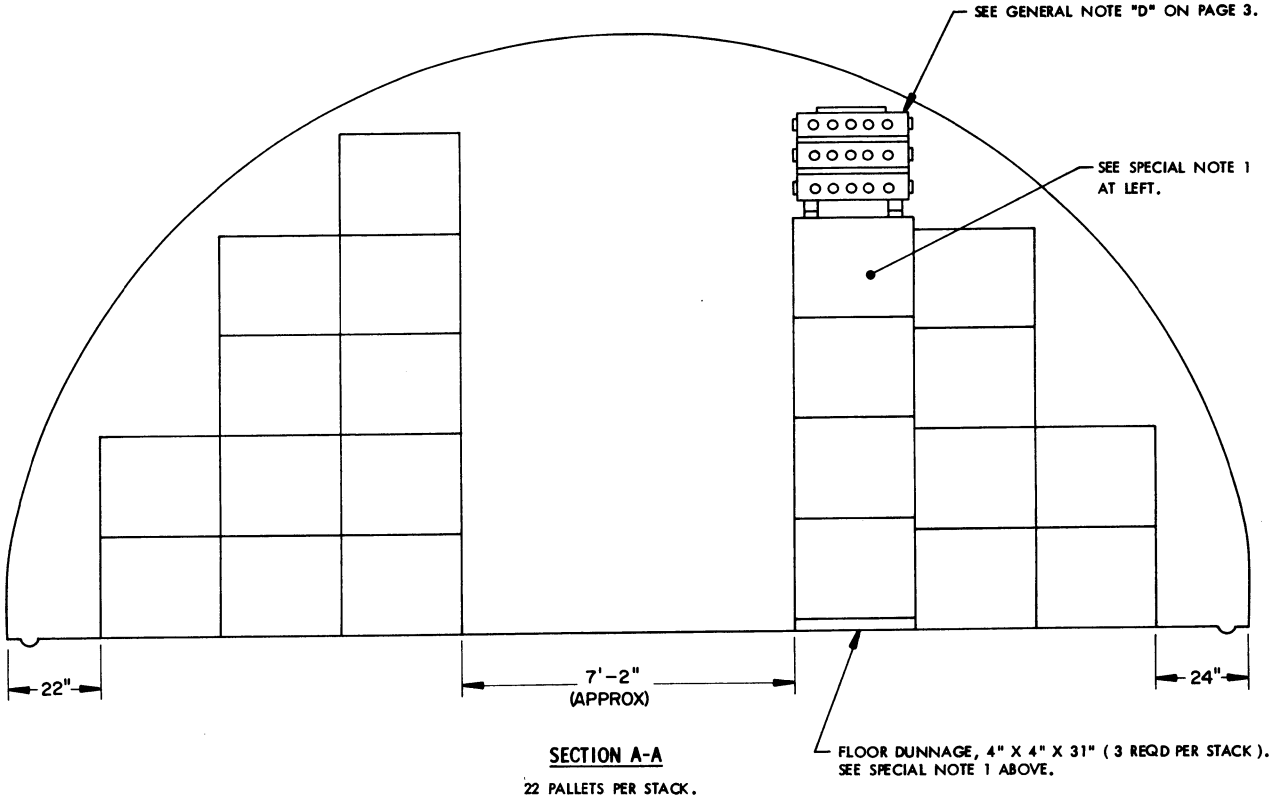


SEE SPECIAL NOTE 1 BELOW.

INDICATES NOSE END OF ROCKET. ALL UNITS WILL BE ORIENTED IN THE SAME DIRECTION.

SPECIAL NOTE:

1. LAST STACK OF PALLET, FIVE (5) HIGH, ADJACENT TO OPERATING AISLE, MAY BE PLACED IN POSITION WITH A HAND LIFT TRUCK. FLOOR DUNNAGE REQUIRED ONLY WHEN NECESSARY FOR WITHDRAWAL OF THE FORKS OF THE HAND LIFT TRUCK.



SEE GENERAL NOTE "D" ON PAGE 3.

SEE SPECIAL NOTE 1 AT LEFT.

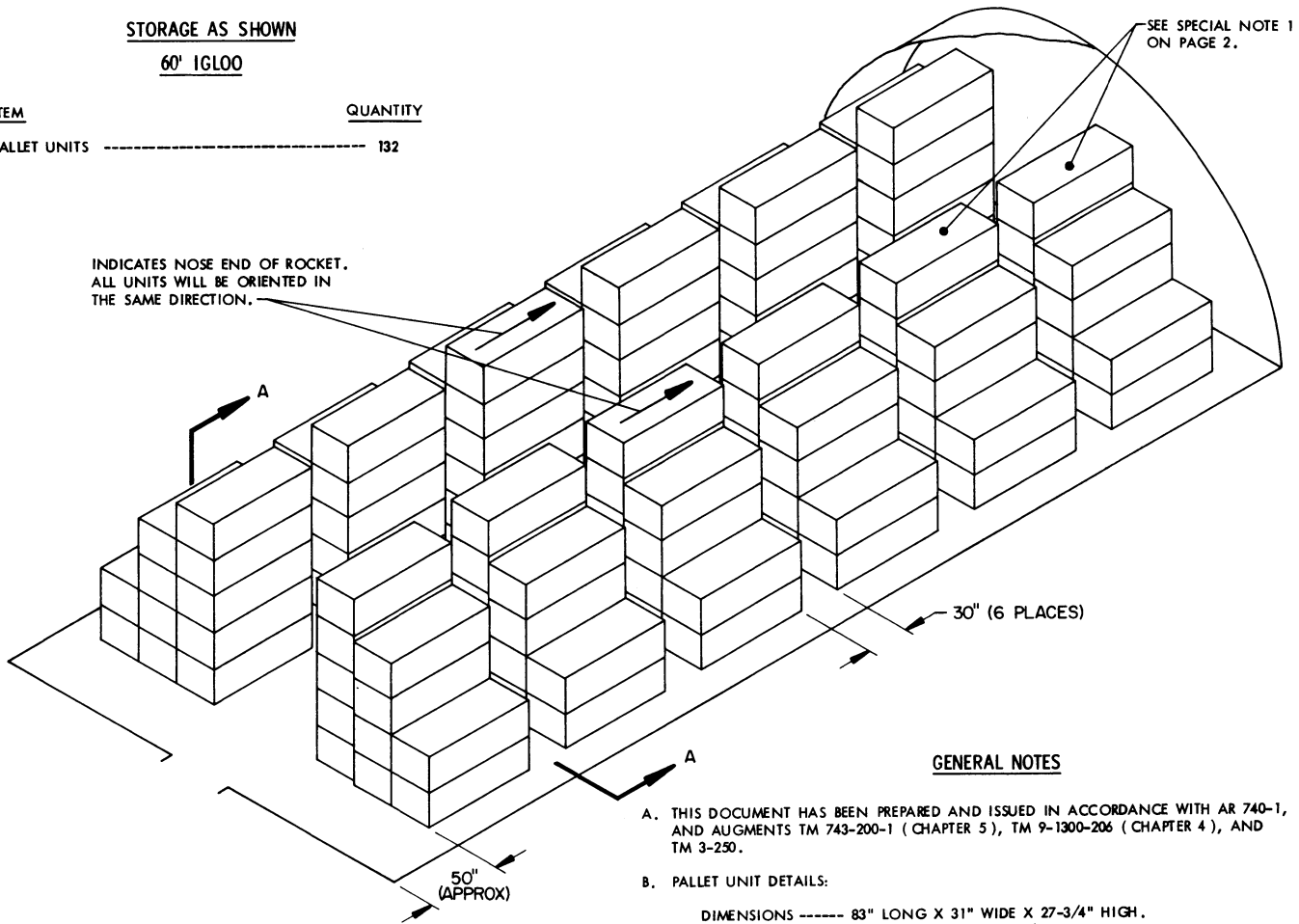
FLOOR DUNNAGE, 4" X 4" X 31" (3 REQD PER STACK). SEE SPECIAL NOTE 1 ABOVE.

STORAGE AS SHOWN

60' IGLOO

ITEM QUANTITY
 PALLET UNITS ----- 132

INDICATES NOSE END OF ROCKET.
 ALL UNITS WILL BE ORIENTED IN
 THE SAME DIRECTION.



ISOMETRIC VIEW

(60' IGLOO)

* BILL OF MATERIAL (PER STACK)		
LUMBER	LINEAR FEET	BOARD FEET
4" X 4"	8	11

* SEE SPECIAL NOTE 1 ON PAGE 2.

MATERIAL SPECIFICATIONS

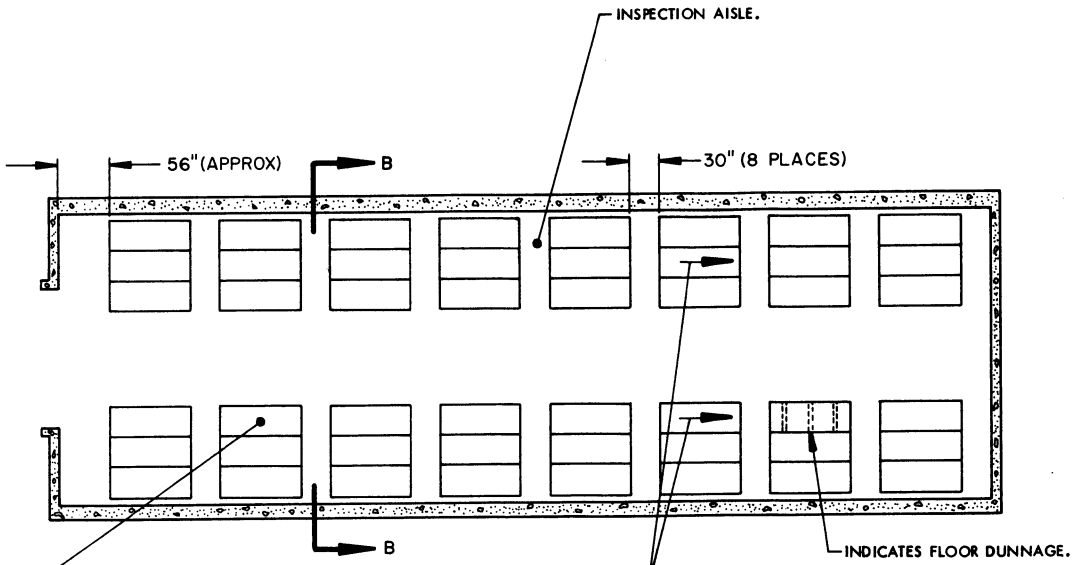
LUMBER ----- : SEE TM 743-200-1, DUNNAGE LUMBER: FED SPEC MM-L-751.

REVISIONS

REVISION NO. 1, DATED APRIL 1985, CONSISTS OF:
 1. ADDING GENERAL NOTE "N" ON THIS PAGE.

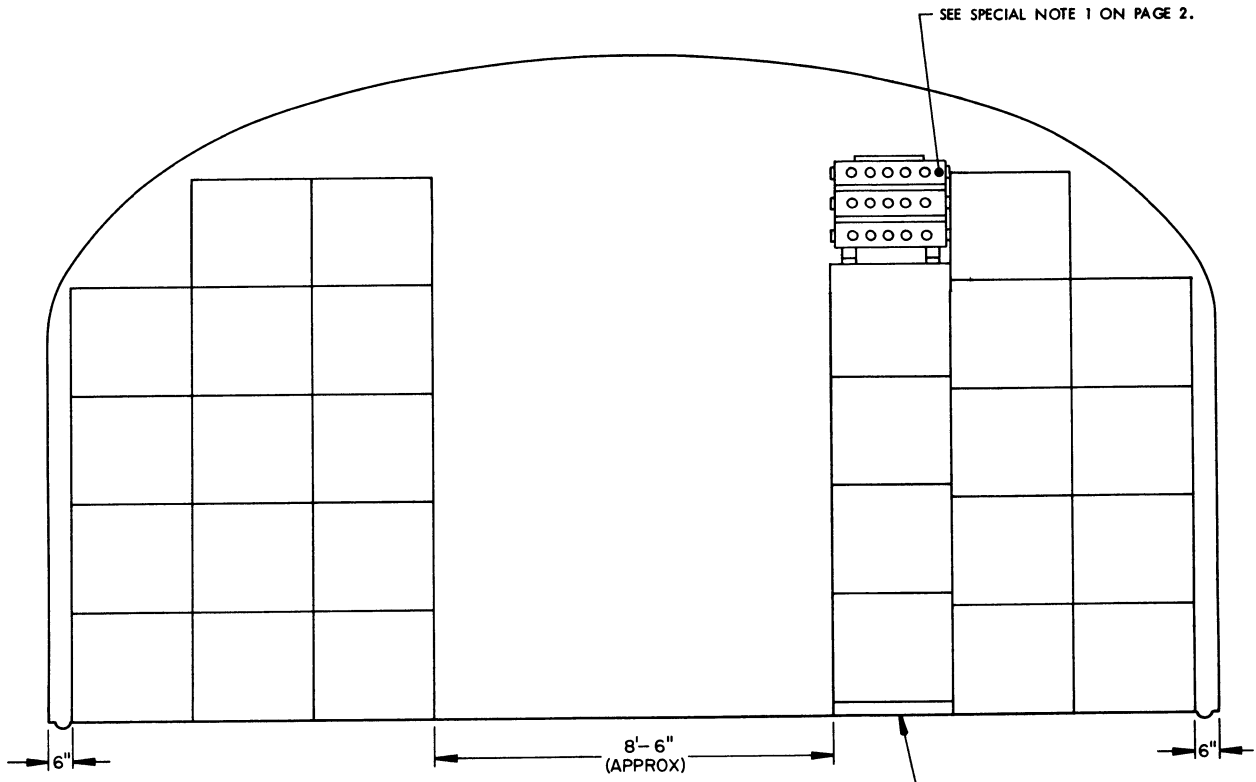
GENERAL NOTES

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1, AND AUGMENTS TM 743-200-1 (CHAPTER 5), TM 9-1300-206 (CHAPTER 4), AND TM 3-250.
- B. PALLET UNIT DETAILS:
 DIMENSIONS ----- 83" LONG X 31" WIDE X 27-3/4" HIGH.
 GROSS WEIGHT ---- 1,340 POUNDS (APPROX).
- C. AISLE DIMENSIONS SHOWN IN THIS DRAWING MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS AND/OR AVAILABLE MATERIALS HANDLING EQUIPMENT; HOWEVER, THIRTY-INCH (30") MINIMUM ACCESS AISLES WILL BE PROVIDED, AS SHOWN, UNLESS OTHERWISE INDICATED, TO FACILITATE INSPECTION.
- D. STORED PALLET UNITS MUST NOT CONTACT THE WALL OF A MAGAZINE. TO PROVIDE FOR THIS MANDATORY CLEARANCE REQUIREMENT, UNITS MAY BE ELIMINATED FROM THE DEPICTED STORAGE PATTERN AS NECESSARY.
- E. THE MAXIMUM FLOOR LOAD FOR A MAGAZINE, AS PRESCRIBED BY LOCAL STANDARDS, WILL NOT BE EXCEEDED.
- F. THE STORAGE PROCEDURES DEPICTED HEREIN FOR SPECIFIC TYPES OF MAGAZINES MAY ALSO BE UTILIZED TO STORE PALLET UNITS IN OTHER TYPES OF APPROVED MAGAZINES. MINOR ADJUSTMENTS MAY BE MADE TO FACILITATE STORAGE IN OTHER TYPES OF MAGAZINES, HOWEVER, THE BASIC PRINCIPLES AS DEPICTED HEREIN WILL BE COMPLIED WITH.
- G. THE MAGAZINE MUST COMPLY WITH ALL REQUIREMENTS AND BE APPROVED FOR THE STORAGE OF CHEMICAL ITEMS.
- H. OTHER COMPATIBLE ITEMS MAY BE STORED IN A MAGAZINE WHICH IS PARTIALLY FILLED WITH THE DESIGNATED ITEM.
- J. A COMBINATION OF MATERIAL HANDLING EQUIPMENT (MHE), SUCH AS FORKLIFT TRUCKS, PALLET JACKS, AND OTHER APPROVED EQUIPMENT, MAY BE USED TO PLACE AND/OR REMOVE UNITS WITHIN A STACK. IF SUITABLE MHE IS NOT AVAILABLE TO PERMIT PLACING AND/OR REMOVAL OPERATIONS WITHIN THE DESIGNATED CENTER AISLE, IT MAY BE NECESSARY TO OMIT ONE ROW OF UNITS ADJACENT TO THE CENTER AISLE TO GAIN ADDITIONAL OPERATING SPACE. ALSO, IF SUITABLE NARROW AISLE STACKER MHE IS AVAILABLE, IT IS PERMITTED TO ADD ONE ROW OF UNITS ADJACENT TO THE CENTER AISLE TO GAIN INCREASED STORAGE DENSITY IN STRADLEY AND OVAL-ARCH MAGAZINES.
- K. REFER TO PAGE 8 FOR GUIDANCE RELATIVE TO LOT SEPARATION REQUIREMENTS WHEN STORING MULTIPLE LOTS WITHIN A MAGAZINE.
- L. THE STORAGE PROCEDURES DEPICTED FOR IGLOO MAGAZINES ARE ALSO APPLICABLE FOR STEEL ARCH MAGAZINES WHICH HAVE A SIMILAR CROSS SECTIONAL AREA.
- M. DUNNAGE LUMBER SPECIFIED IS OF A NOMINAL SIZE. FOR EXAMPLE, 4" X 4" MATERIAL IS ACTUALLY 3-1/2" THICK BY 3-1/2" WIDE.
- N. ASSEMBLIES C90-6-68 FWD AND AFT MAY BE REMOVED FROM PALLETS DESIGNATED AS LEAKER LOTS TO FACILITATE VISUAL INSPECTION AND EARLY DETECTION OF LEAKERS. REMOVED PALLET ENDS MUST BE RETAINED FOR POSSIBLE FUTURE HANDLING/MOVEMENT OF THE PALLET.



SEE SPECIAL NOTE 1 ON PAGE 2.

PLAN VIEW
(80' STRADLEY)



SECTION B-B
28 PALLETS PER STACK

FLOOR DUNNAGE, 4" X 4" X 31"
(3 REQD PER STACK). SEE SPECIAL NOTE 1 ON PAGE 2.

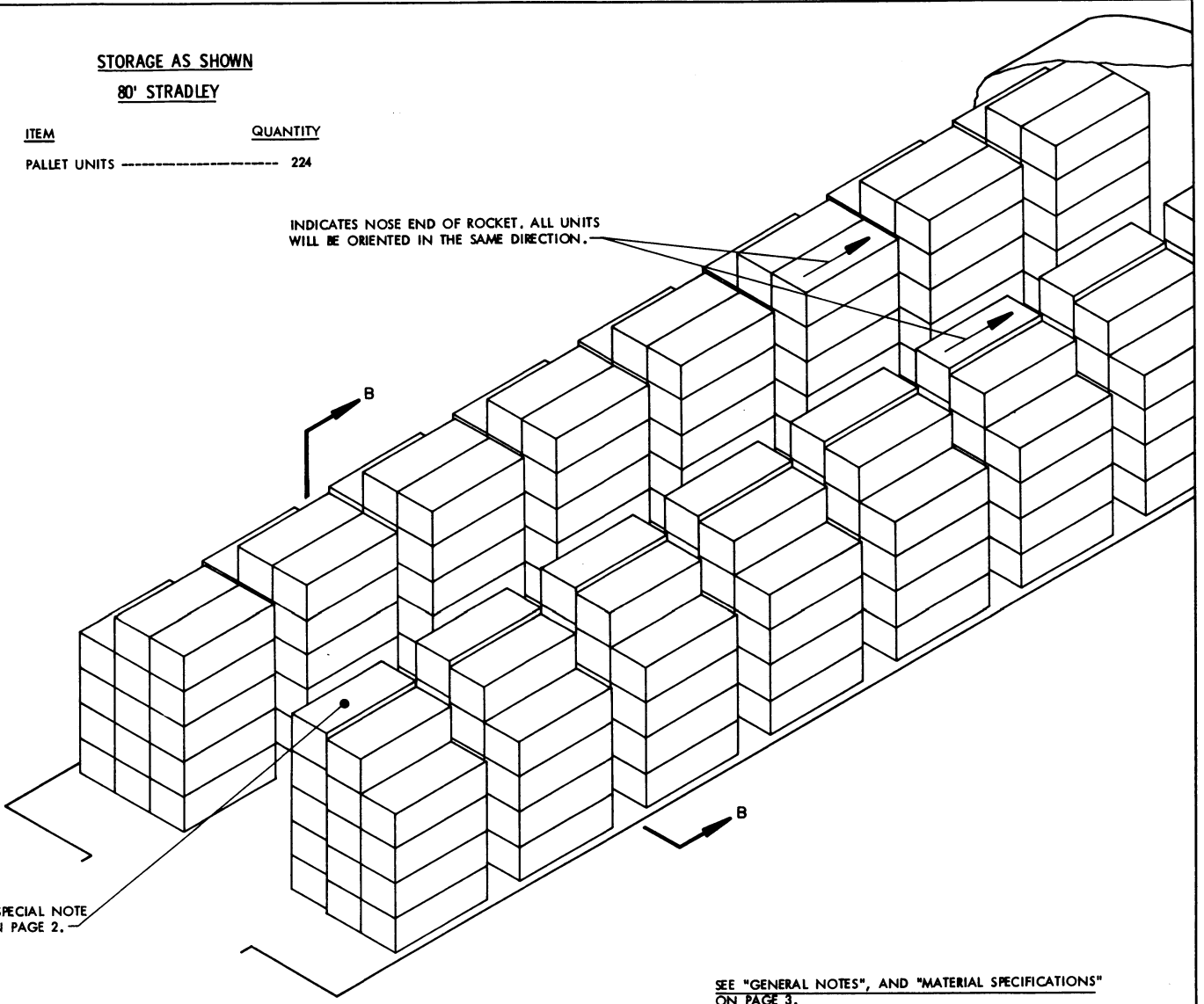
STRADLEY MAGAZINE STORAGE PROCEDURES

STORAGE AS SHOWN

80' STRADLEY

ITEM	QUANTITY
PALLET UNITS -----	224

INDICATES NOSE END OF ROCKET. ALL UNITS WILL BE ORIENTED IN THE SAME DIRECTION.



SEE SPECIAL NOTE 1 ON PAGE 2.

SEE "GENERAL NOTES", AND "MATERIAL SPECIFICATIONS" ON PAGE 3.

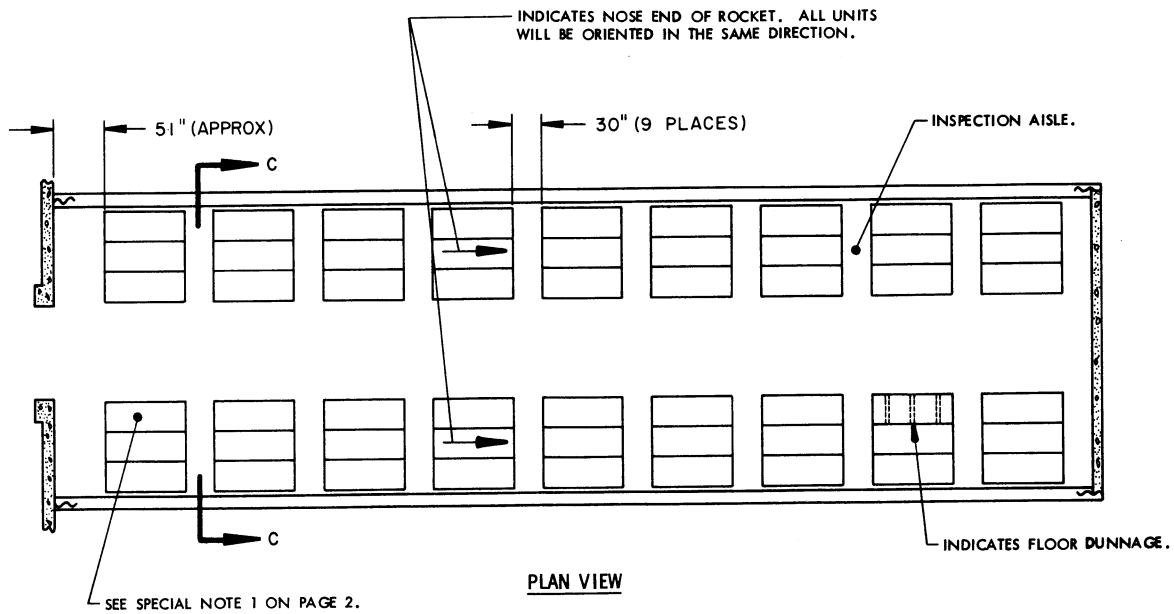
ISOMETRIC VIEW

(80' STRADLEY)

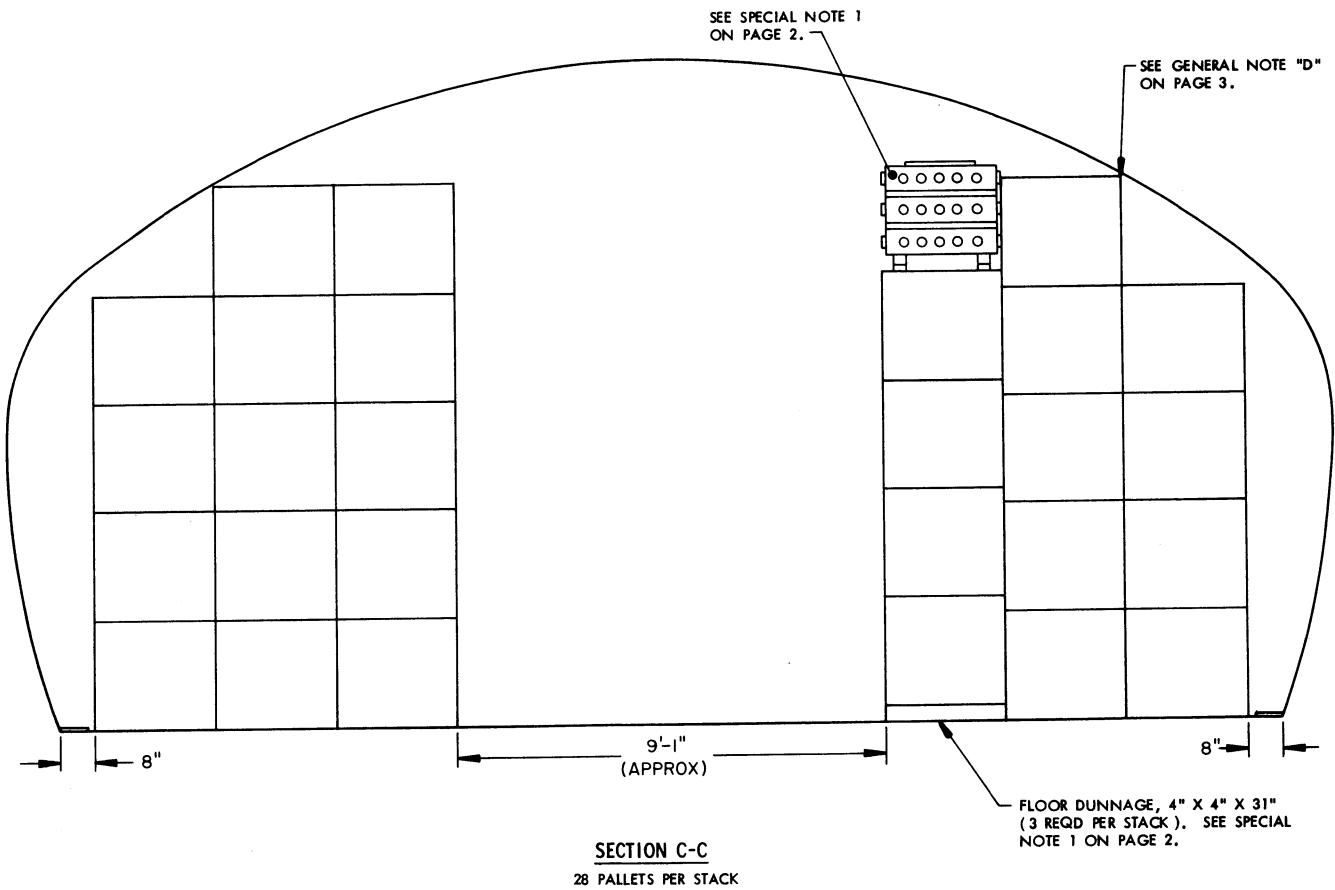
*** BILL OF MATERIAL (PER STACK)**

LUMBER	LINEAR FEET	BOARD FEET
4" X 4"	8	11

* SEE SPECIAL NOTE 1 ON PAGE 2.



PLAN VIEW
(89' OVAL-ARCH MAGAZINE)



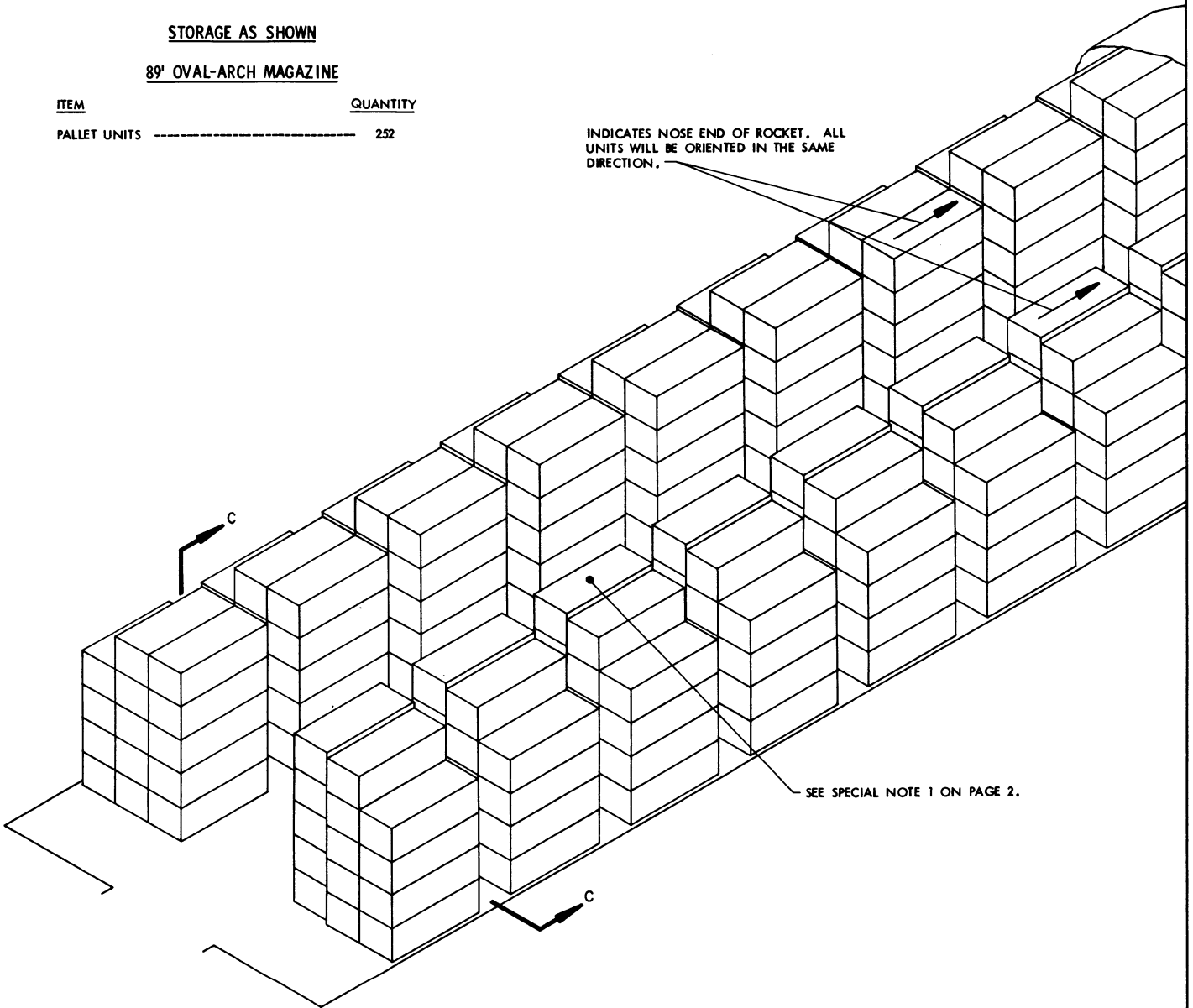
SECTION C-C
28 PALLETS PER STACK

STORAGE AS SHOWN

89' OVAL-ARCH MAGAZINE

ITEM QUANTITY
PALLET UNITS ----- 252

INDICATES NOSE END OF ROCKET. ALL UNITS WILL BE ORIENTED IN THE SAME DIRECTION.



ISOMETRIC VIEW

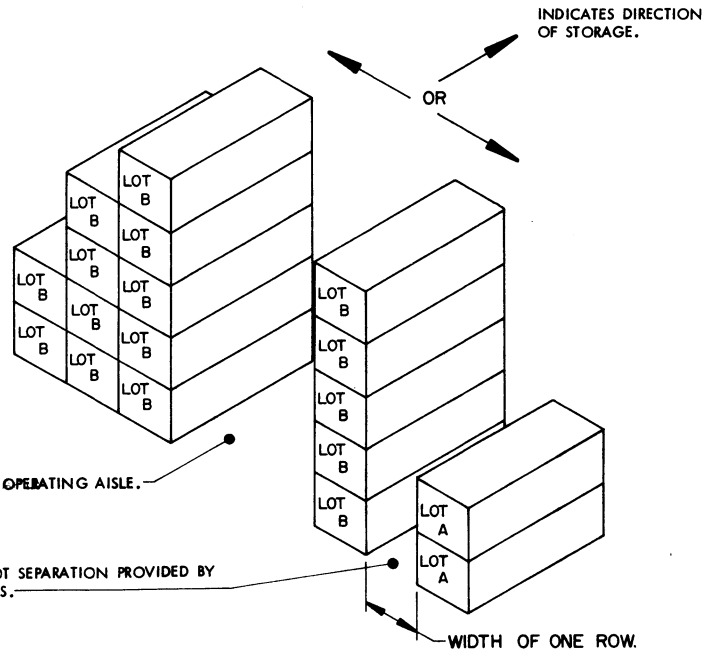
(89' OVAL-ARCH MAGAZINE)

SEE SPECIAL NOTE 1 ON PAGE 2.

SEE "GENERAL NOTES", AND "MATERIAL SPECIFICATIONS" ON PAGE 3.

* BILL OF MATERIAL (PER STACK)		
LUMBER	LINEAR FEET	BOARD FEET
4" X 4"	8	11

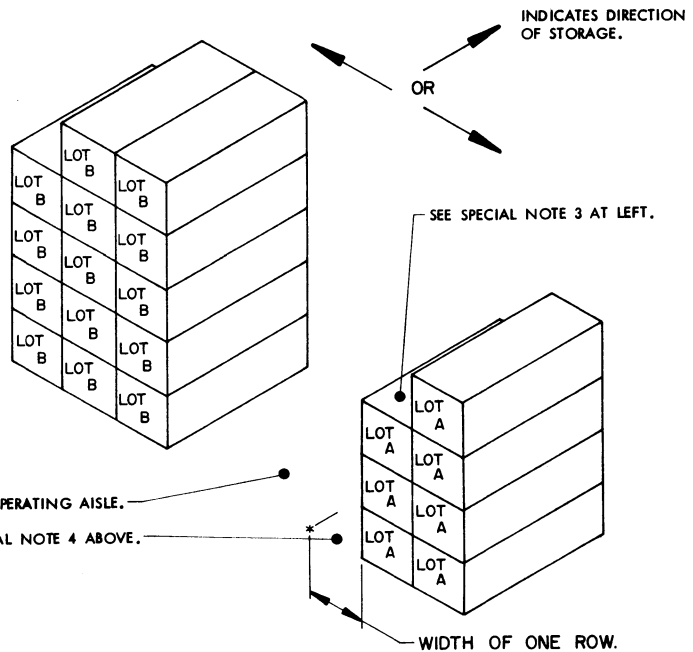
* SEE SPECIAL NOTE 1 ON PAGE 2.



TYPICAL LOT SEPARATION DETAIL 1
(IGLOO STACK DEPICTED)

SPECIAL NOTES:

1. LOT SEPARATION WILL BE MAINTAINED WITHIN A STORAGE MAGAZINE. THE TYPICAL DETAILS ON THIS PAGE ILLUSTRATE POSSIBLE CONFIGURATIONS WHICH COMPLY WITH THE MANDATORY LOT SEPARATION REQUIREMENTS. OTHER CONFIGURATIONS MAY ALSO BE USED, PROVIDED THE OTHER CONFIGURATIONS COMPLY WITH THE BASIC REQUIREMENTS STATED HEREIN.
2. WHEN STORING MULTIPLE LOTS WITHIN A MAGAZINE, DIFFERENT LOTS WILL BE SEPARATED WITHIN A SINGLE STACK BY OMITTING UNITS IN THE MANNER SHOWN IN THE "TYPICAL LOT SEPARATION DETAILS".
3. ONE LOT WILL NOT BE STACKED ON TOP OF ANOTHER LOT.
4. TO SATISFY LOT QUANTITIES, IT MAY BE NECESSARY TO OMIT A ROW-STACK WHICH WOULD NORMALLY BE NEXT TO AN MHE OPERATING AISLE, SINCE IT IS NOT PERMISSIBLE TO STACK ITEMS OF ONE LOT IMMEDIATELY ADJACENT TO ITEMS OF ANOTHER LOT.



TYPICAL LOT SEPARATION DETAIL 2
(STRADLEY AND/OR OVAL-ARCH STACK DEPICTED)