

STORAGE IN 60' & 80' IGLOO, 80' STRADLEY, AND 89' OVAL-ARCH MAGAZINES OF BZ43 CHEMICAL BOMB, TWO EACH OVERPACKED IN STYLE 7 WOODEN BOX WITH SKIDS

INDEX

ITEM	PAGE (S)
GENERAL NOTES	3
IGLOO MAGAZINE STORAGE PROCEDURES	2,3
STRADLEY MAGAZINE STORAGE PROCEDURES	4,5
OVAL-ARCH MAGAZINE STORAGE PROCEDURES	6,7
MULTIPLE LOT STORAGE REQUIREMENTS	8

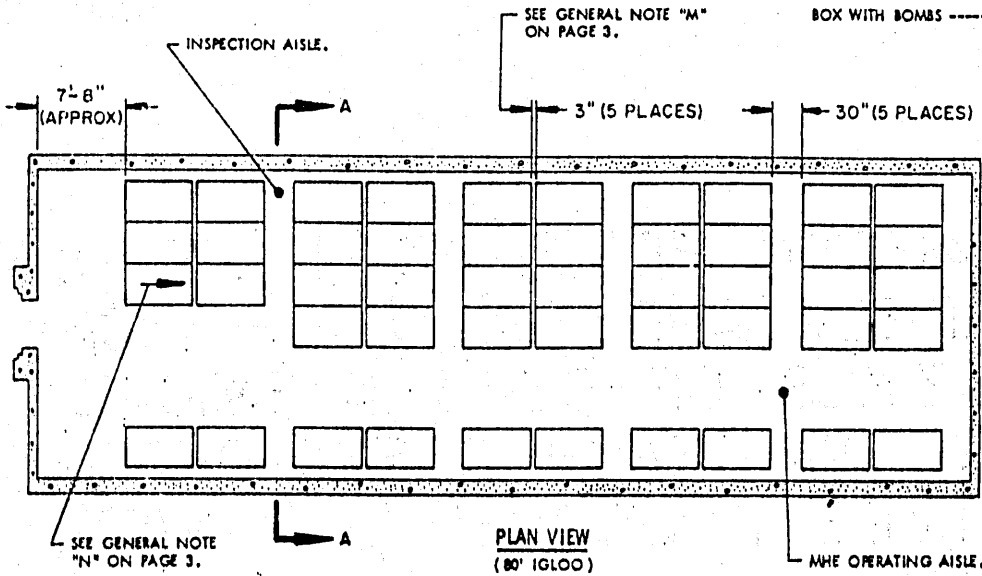
REVISIONS			
			<small>DATE</small> <i>18</i> <small>BY</small> <i>JKW/DTW</i> <small>CHECKED</small> <i>RSI/MLC</i> <small>DATE</small> <i>10/1/76</i> <small>APPROVED, U. S. ARMY ARMAMENT COMMAND</small>
			<i>Robert V. Smith</i> <small>APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIAL DEVELOPMENT AND RESEARCH COMMAND, DARTMOUTH</small> <i>At Elmer</i> <small>DARTMOUTH CENTER</small>
			U. S. ARMY DARCOC DRAWING SEPTEMBER 1976
			<small>CLASS</small> <small>DIVISION</small> <small>DRAWING</small> <small>FILE</small> 19 48 4510 CB1-14-22 CBI

DO NOT SCALE

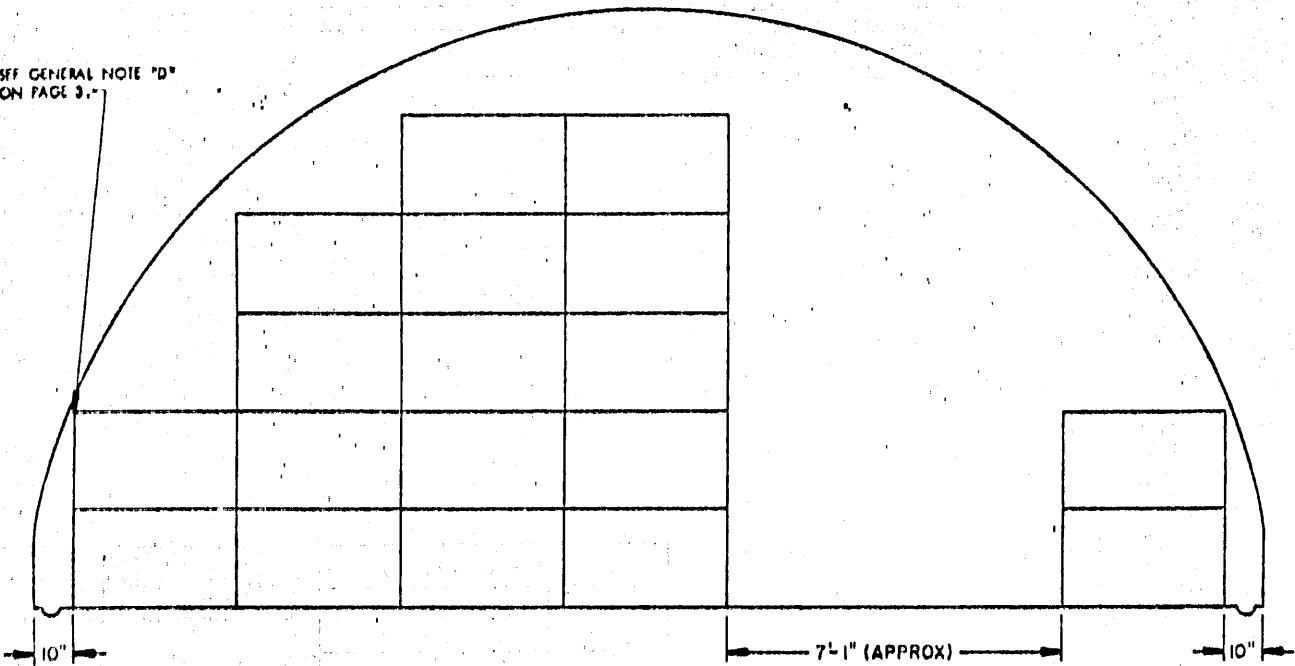
STORAGE AS SHOWN

80' IGLOO

ITEM	QUANTITY
BOX WITH BOMBS	170



SEE GENERAL NOTE "D" ON PAGE 3.



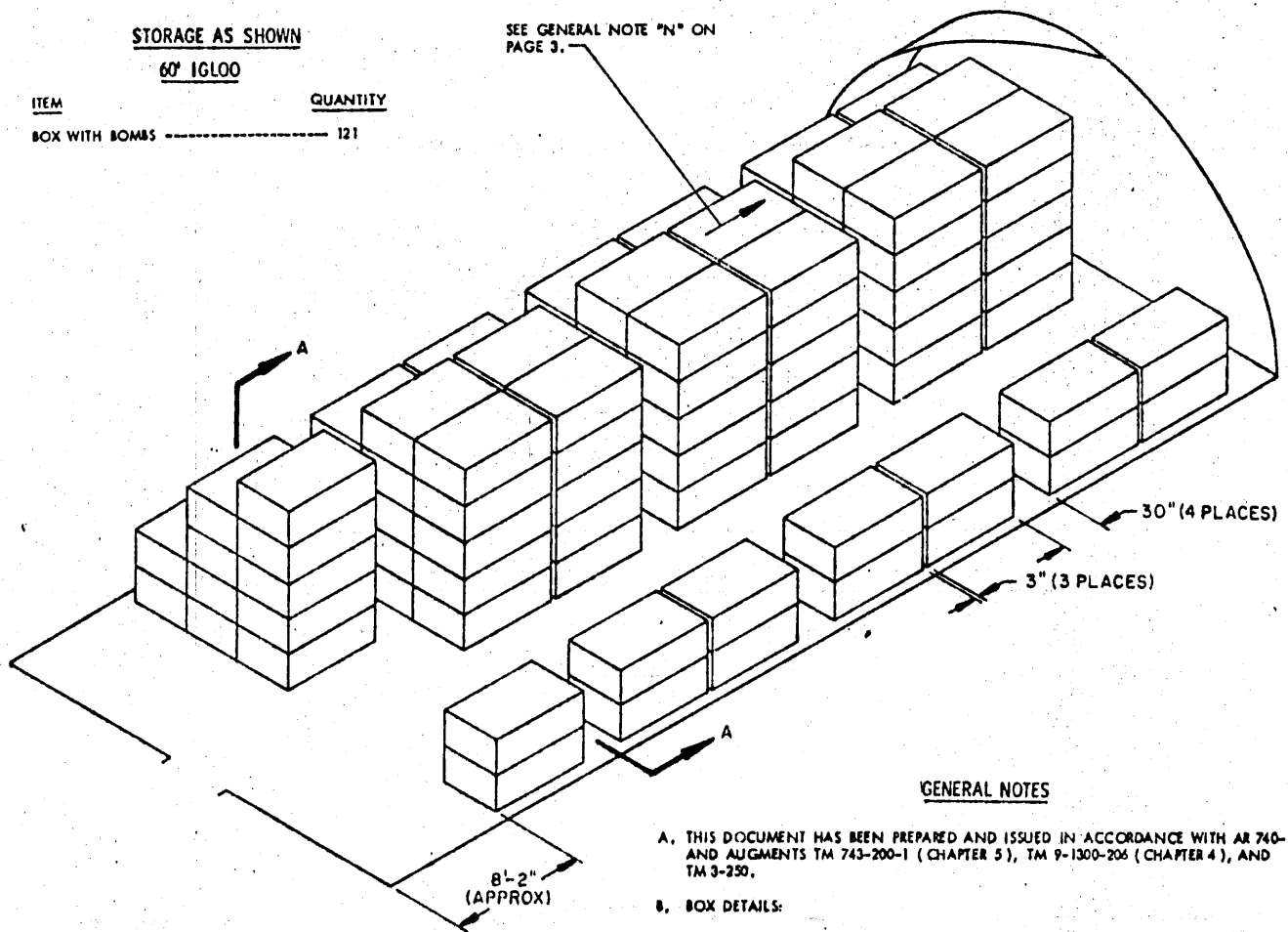
SECTION A-A
18 BOXES PER STACK

STORAGE AS SHOWN

60' IGLOO

ITEM	QUANTITY
BOX WITH BOMBS	121

SEE GENERAL NOTE "N" ON PAGE 3.



ISOMETRIC VIEW

(60' IGLOO)

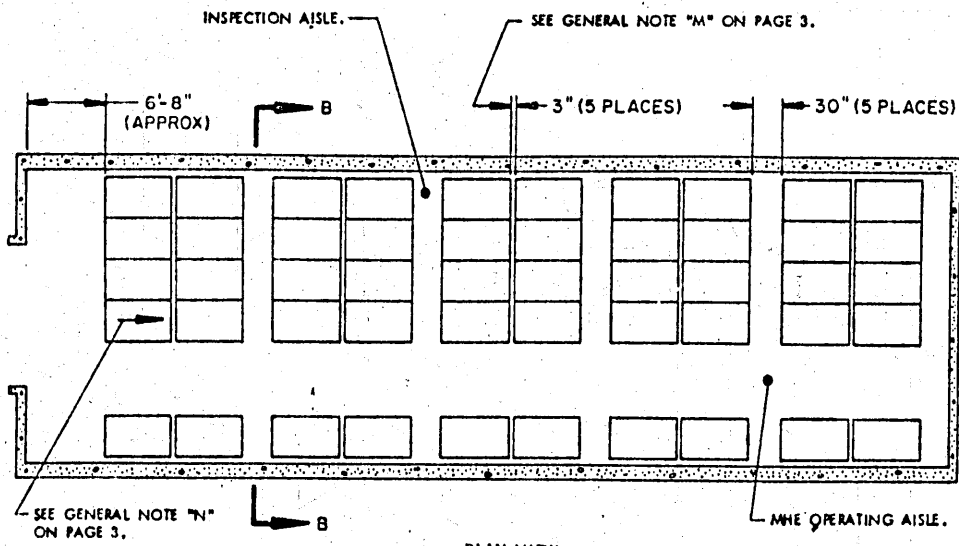
(GENERAL NOTES CONTINUED)

- N. ALL BOXES WITHIN A STACK WILL BE ORIENTED IN THE SAME DIRECTION TO FACILITATE STACK STABILITY. BOXES WITHIN ONE STACK NEED NOT BE ORIENTED IN THE SAME DIRECTION AS BOXES IN A DIFFERENT STACK.
- O. PROVIDED SUITABLE NARROW AISLE STACKER MHE IS AVAILABLE, IT IS PERMITTED TO PLACE ADDITIONAL BOXES ON TOP OF THE TWO-LAYER HIGH ROW ADJACENT TO THE MHE OPERATING AISLE IN STRADLEY AND OVAL-ARCH MAGAZINES, AS SHOWN, TO GAIN INCREASED STORAGE DENSITY.

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. BOX DETAILS:
DIMENSIONS --- 71-1/2" LONG X 42-1/2" WIDE X 25-1/2" HIGH.
GROSS WEIGHT-- 1600 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, TO FACILITATE INSPECTION.
- D. STORED BOXES MUST NOT CONTACT THE WALL OF A MAGAZINE. TO PROVIDE FOR THIS MANDATORY CLEARANCE REQUIREMENT, UNITS MAY BE ELIMINATED FROM THE DEPICTED STORAGE PATTERN OR MINOR ADJUSTMENTS MAY BE MADE IN THE SPACING OF THE BOXES FROM THE SIDEWALLS, 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 BOXES 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 BOXES WITHIN A STACK. IF SUITABLE MHE IS NOT AVAILABLE TO PERMIT PLACING AND/OR REMOVAL OPERATIONS WITHIN THE DESIGNATED MHE OPERATING AISLE, IT MAY BE NECESSARY TO OMIT ONE ROW OF BOXES ADJACENT TO THE MHE OPERATING AISLE TO GAIN ADDITIONAL OPERATING SPACE.
- 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. THE DESIGNATED 3" SPACE BETWEEN SINGLE STACKS WITHIN A DOUBLE STACK IS TO FACILITATE PLACEMENT AND/OR REMOVAL OPERATIONS. THIS 3" SPACE NEED NOT BE PROVIDED IF AVAILABLE MHE DOES NOT REQUIRE THIS SPACE TO PERFORM THESE OPERATIONS.

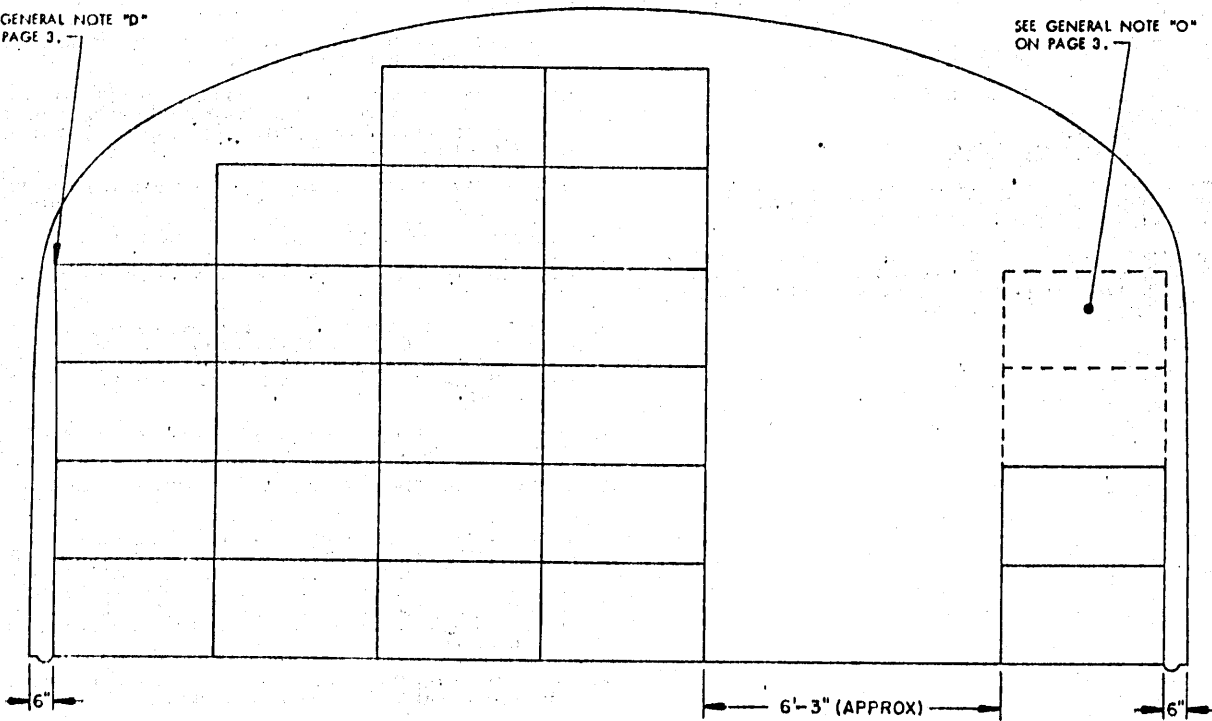
(CONTINUED AT LEFT)



PLAN VIEW
(80' STRADLEY)

SEE GENERAL NOTE "D" ON PAGE 3.

SEE GENERAL NOTE "O" ON PAGE 3.

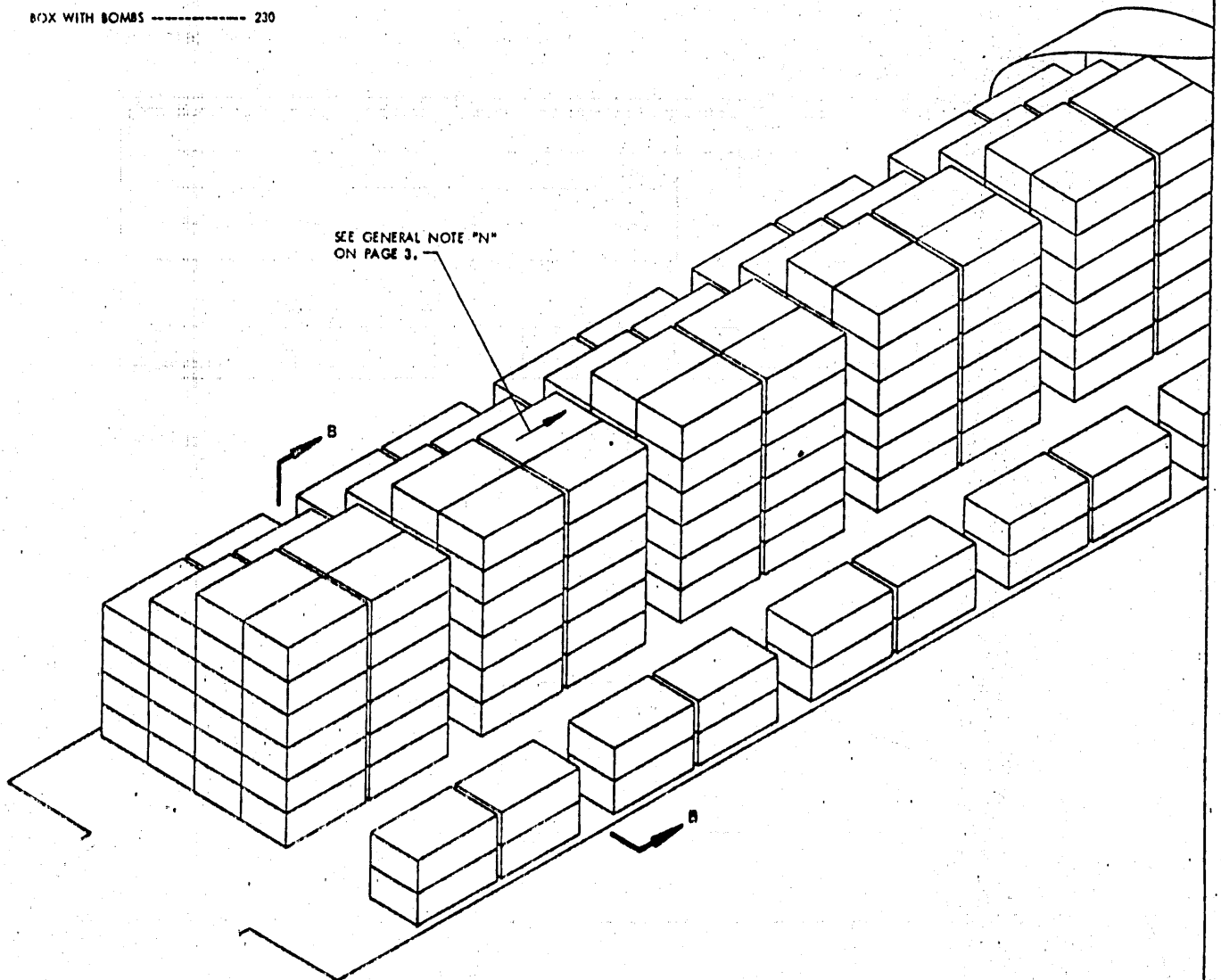


SECTION B-B
23 BOXES PER STACK

STORAGE AS SHOWN

80' STRADLEY

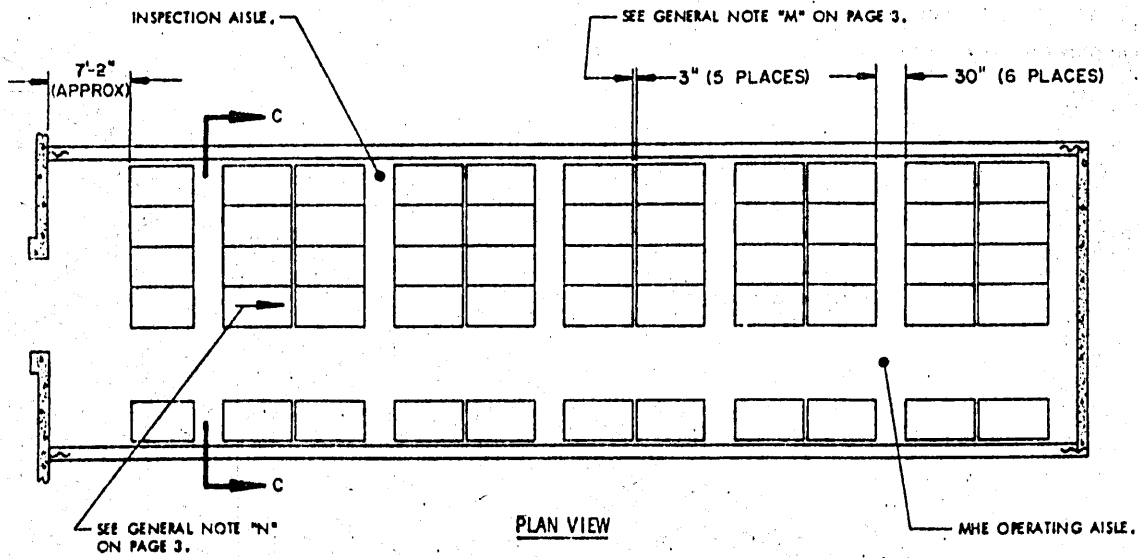
<u>ITEM</u>	<u>QUANTITY</u>
BOX WITH BOMBS -----	230



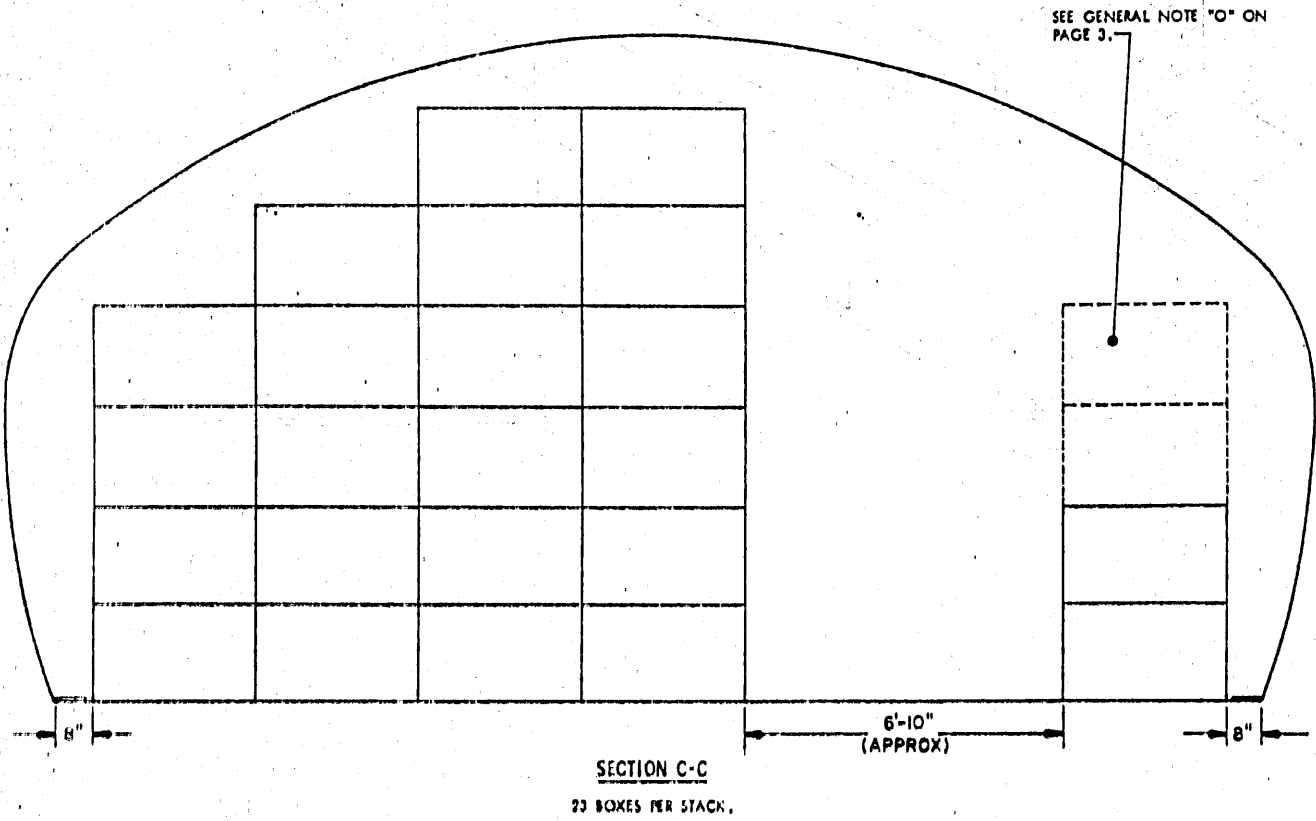
ISOMETRIC VIEW

(80' STRADLEY)

SEE "GENERAL NOTES" ON PAGE 3.



(89' OVAL-ARCH MAGAZINE)

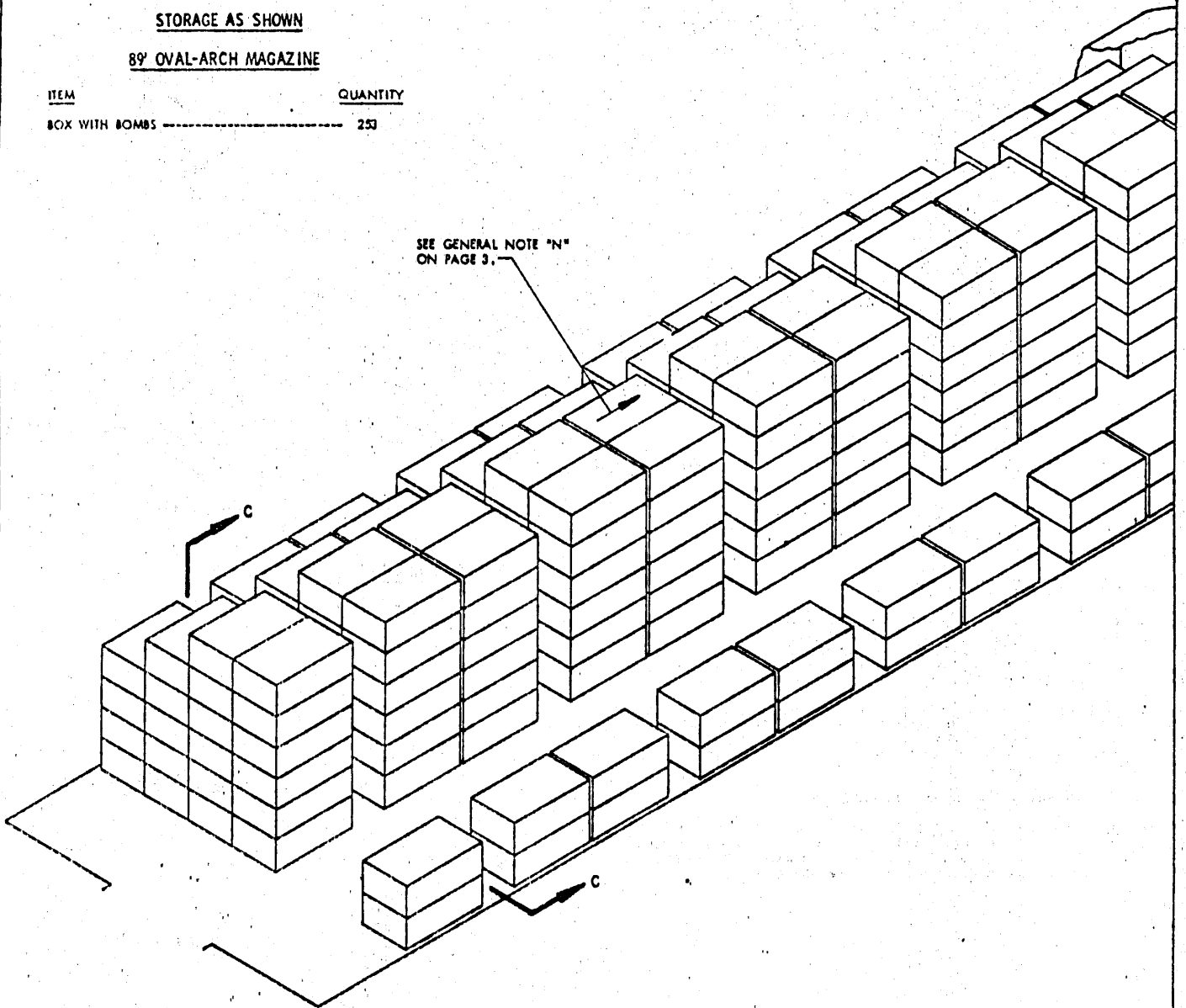


STORAGE AS SHOWN

89' OVAL-ARCH MAGAZINE

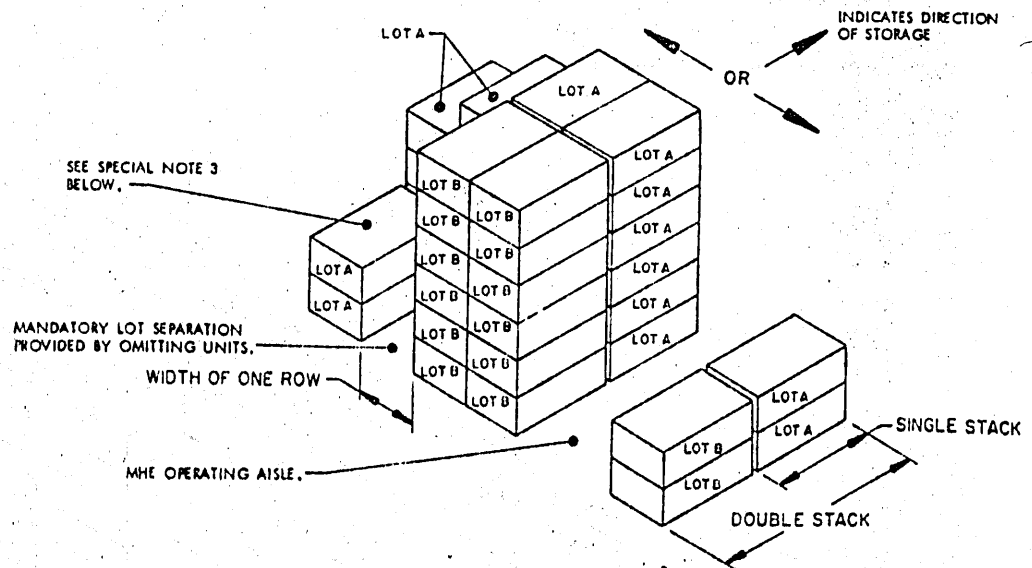
<u>ITEM</u>	<u>QUANTITY</u>
BOX WITH BOMBS	253

SEE GENERAL NOTE "N"
ON PAGE 3.



ISOMETRIC VIEW
(89' OVAL-ARCH MAGAZINE)

SEE "GENERAL NOTES" ON PAGE 3.

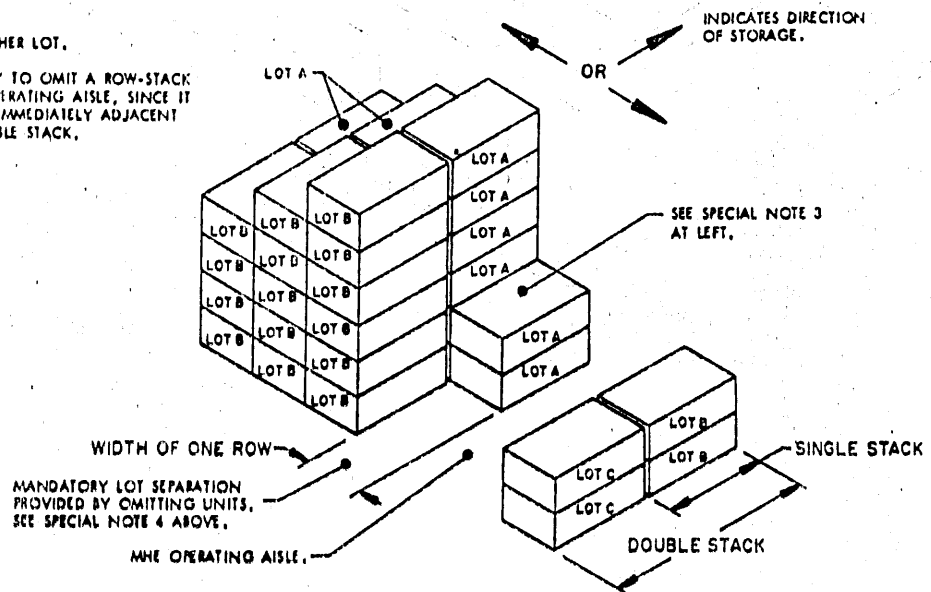


TYPICAL LOT SEPARATION DETAIL 1

(STRADLEY 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". UNITS OF ONE LOT IN A SINGLE STACK WILL NOT REQUIRE SEPARATION FROM UNITS OF A DIFFERENT LOT IN THE ADJACENT SINGLE STACK.
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 WITHIN THE SAME SINGLE STACK.



TYPICAL LOT SEPARATION DETAIL 2

(STRADLEY STACK DEPICTED)