
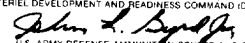


# STORAGE IN APPROVED MAGAZINES OF AIM - 26 A/B MISSILE (FALCON) PACKED 1 PER 52SC-1 CONTAINER

## INDEX

<u>ITEM</u>	<u>PAGE(S)</u>
GENERAL NOTES, AND MATERIAL SPECIFICATIONS -----	2
DETAILS -----	3
STORAGE PROCEDURES (EARTH-COVERED MAGAZINES):	
81'-0", 60'-8" AND 40'-4" L X 26'-6" W X 12'-9" H IGLOO MAGAZINES -----	4, 5
81'-2" L X 26'-6" W X 12'-1-3/4" H ARCH TYPE MAGAZINE (IGLOO) -----	6
80'-0" AND 40'-0" L X 25'-0" W X 12'-1-3/4" H ARCH TYPE MAGAZINES (IGLOO) -----	7
80'-0" AND 40'-0" L X 25'-0" W X 11'-0" H ARCH TYPE MAGAZINES (IGLOO) -----	8
80'-0" AND 40'-0" L X 25'-0" W X 10'-0" H ARCH TYPE MAGAZINES (IGLOO) -----	9
80'-0" L X 25'-0" W X 14'-0" H STRADLEY AND 89'-0" L X 24'-10" W X 14'-4" H OVAL ARCH MAGAZINES -----	10, 11
52'-0" DIAMETER CORBETTA MAGAZINE -----	12, 13
100'-8" L X 50'-0" W RECTANGULAR MAGAZINE -----	14, 15

REVISIONS				DRAFTSMAN <i>W J B</i>	PROJ. ENG. <i>MND/new</i>
				CHECKER <i>W J B</i>	LOG ENGRG OFFICER <i>W J B</i>
APPROVED, U. S. ARMY ARMAMENT MATERIEL READINESS COMMAND					
 APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND (DARCOM)  U. S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL					
U. S. ARMY DARCOM DRAWING					
MARCH 1982					
				CLASS	DIVISION
				DRAWING	FILE
				19	48
				7059/ 1A	SP1-3-4- 14-22J14

DO NOT SCALE

## GENERAL NOTES

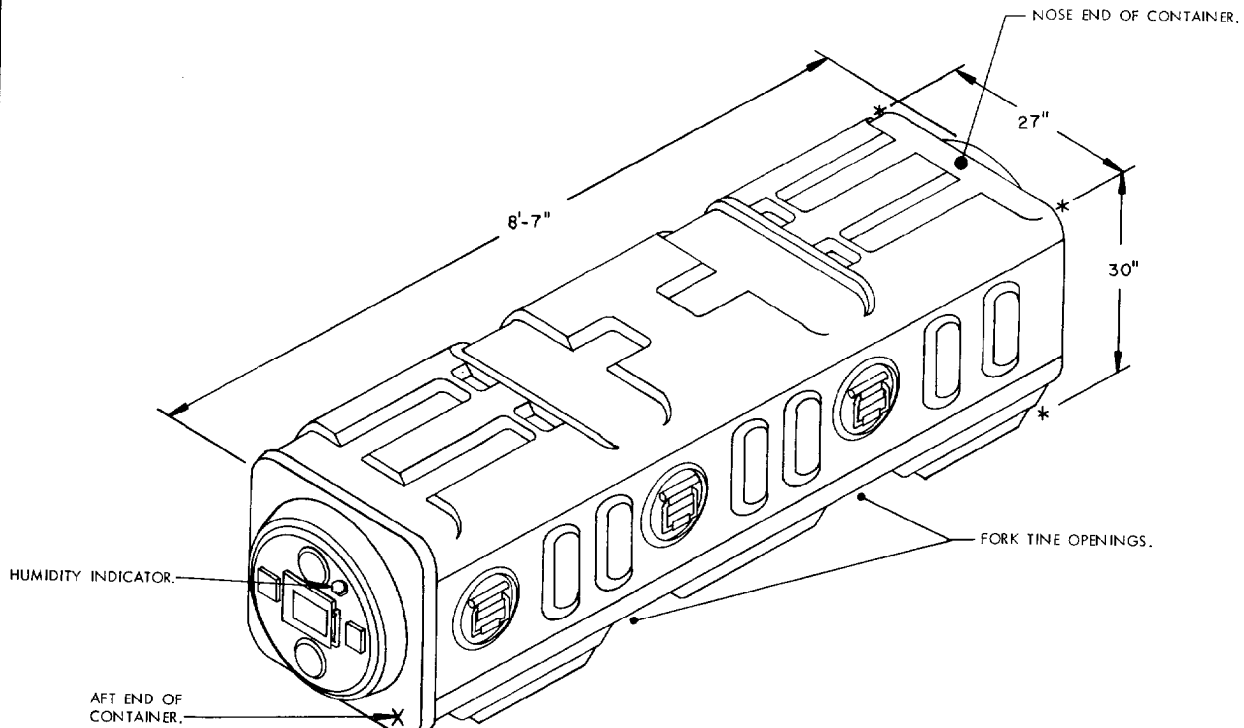
( GENERAL NOTES CONTINUED )

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1 AND AUGMENTS TM 743-200-1 ( CHAPTER 5 ).
- B. THE STORAGE PROCEDURES SPECIFIED IN THIS DRAWING ARE APPLICABLE TO THE AIM-26A/B MISSILE ( FALCON ) PACKED ONE ( 1 ) PER 525C-1 METAL SHIPPING AND STORAGE CONTAINER. SUBSEQUENT REFERENCE TO CONTAINER MEANS THE 525C-1 CONTAINER WITH CONTENTS.
- C. FOR DETAILS OF THE 525C-1 SHIPPING AND STORAGE CONTAINER, SEE "CONTAINER DETAIL" ON PAGE 3.
- CONTAINER DIMENSIONS ----- 103" LONG BY 27" WIDE BY 30" HIGH.  
GROSS WEIGHT ----- 458 LBS ( APPROX ).  
CUBE ----- 48.28 CUBIC FEET.
- D. FOR QUANTITY DISTANCE AND COMPATIBILITY GROUP OF THIS ITEM, SEE T.O. 11A-1-46. CAUTION: THIS ITEM IS IN A "PROPULSIVE STATE" AND MUST BE STORED WITH THE FORWARD ( NOSE ) END FACING TOWARD ONE SIDE WALL AND/OR THE REAR WALL OF THE MAGAZINE AS INDICATED BY THE DIRECTIONAL DOTS ON THE STORAGE VIEWS. ADDITIONALLY, CONTAINERS MUST NOT BE STACKED MORE THAN FIVE ( 5 ) CONTAINERS HIGH. ALSO, CONTAINERS WILL NOT BE STORED IN SINGLE STACKS. SEE PAGE 3 FOR "STACK STABILIZING STRAPPING REQUIREMENTS".
- E. THE STORAGE PROCEDURES DEPICTED WITHIN THIS DOCUMENT ARE APPLICABLE FOR STORAGE IN VARIOUS TYPES AND SIZES OF MAGAZINES. THE STORAGE PROCEDURES DEPICTED FOR THE SPECIFIC TYPES OF MAGAZINES MAY ALSO BE UTILIZED TO STORE CONTAINERS 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 FOLLOWED.
- F. AISLE DIMENSIONS AS SHOWN HEREIN MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS AND/OR AVAILABLE MATERIAL HANDLING EQUIPMENT ( MHE ), HOWEVER, AN 18" MINIMUM INSPECTION AISLE MUST BE MAINTAINED AT THE AFT END OF THE CONTAINER STACKS WHERE THE HUMIDITY INDICATORS ARE LOCATED.
- G. CAUTION: THE ALLOWABLE "EXPLOSIVE LIMIT" ESTABLISHED FOR A MAGAZINE IS NOT TO BE EXCEEDED. THIS LIMITATION MAY REQUIRE A QUANTITY REDUCTION FROM THE STORAGE AS SHOWN.
- H. FLOOR DUNNAGE, 1" X 6" BY RANDOM LENGTH ( 24" MINIMUM ), AS DEPICTED IN THE STORAGE VIEWS, IS REQUIRED UNDER THE SKIDS AT EACH END OF EACH FIRST-LAYER CONTAINER TO HELP KEEP IT DRY THUS AIDING IN PREVENTING DETERIORATION OF THE METAL. STACK-STABILIZING DUNNAGE IN THE FORM OF SHIMS WILL BE USED IF REQUIRED TO ACHIEVE SOUND AND ACCEPTABLE STABLE STACKS. SHIM MATERIAL OF VARYING THICKNESS WILL BE USED AS REQUIRED UNDER THE LOAD BEARING LOCATIONS AT THE ENDS OF FIRST-LAYER CONTAINERS.
- J. IF AVAILABLE MHE PERMITS, ADDITIONAL CONTAINERS MAY BE STORED WITHIN THE FRONTAL AREA AND/OR OTHER AVAILABLE AREA OF THE MAGAZINE.
- K. STORED CONTAINERS MUST NOT CONTACT THE WALLS OF A MAGAZINE. TO PROVIDE FOR THIS MANDATORY CLEARANCE REQUIREMENT, CONTAINERS MAY BE ELIMINATED FROM THE DEPICTED STORAGE PATTERN AS NECESSARY.
- L. OTHER COMPATIBLE ITEMS MAY BE STORED IN A MAGAZINE WHICH IS PARTIALLY FILLED WITH THE DESIGNATED ITEM.
- M. THE HEIGHT OF THE PACKAGE GUARD ON SOME FORKLIFT TRUCKS MAY NOT PERMIT PLACEMENT OF SOME TOP LAYER CONTAINERS IN THE STACKS SHOWN IN THE STORAGE VIEWS HEREIN, UNLESS THE PACKAGE GUARD IS REMOVED ( TINE CARRIAGE WILL IN MOST INSTANCES PROVIDE ADEQUATE PACKAGE GUARD PROTECTION ). ONLY A FORKLIFT TRUCK OF ADEQUATE CAPACITY WILL BE USED WHEN LIFTING BUNDLED CONTAINERS AS ONE LIFT. SEE THE "STACK STABILIZING STRAPPING DETAIL" ON PAGE 3.
- N. IF THE QUANTITY OF CONTAINERS FOR A MAGAZINE IS TO BE REDUCED FROM WHAT IS SHOWN HEREIN - DUE TO THE PERMITTED "EXPLOSIVE LIMIT" OR FOR ANY OTHER REASON, SUCH AS A LIMITED QUANTITY TO BE STORED - THE DELINEATED PROCEDURES ARE TO BE ADJUSTED BY OMITTING STACKS RATHER THAN BY OMITTING LAYERS.
- O. DUNNAGE LUMBER SPECIFIED THROUGHOUT THIS PROCEDURAL DRAWING IS OF NOMINAL SIZE. FOR EXAMPLE, 1" X 6" MATERIAL IS ACTUALLY 3/4" THICK BY 5-1/2" WIDE.
- P. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS, HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- Q. CONTAINERS PRESENTLY STORED IN ACCORDANCE WITH A PRIOR APPROVED DRAWING NEED NOT BE RE-STORED SOLELY TO CONFORM TO THE PROCEDURES SPECIFIED IN THIS DOCUMENT.

( CONTINUED AT RIGHT )

## MATERIAL SPECIFICATIONS

- LUMBER -----: SEE TM 743-200-1, DUNNAGE LUMBER, FED SPEC MM-L-751.
- STRAPPING, STEEL -----: FED SPEC QQ-S-781; CLASS I, TYPE I OR IV, HEAVY DUTY, FINISH B ( GRADE 2 ).
- SEAL, STRAP -----: FED SPEC QQ-S-781; TYPE D, STYLE I, II OR IV, CLASS H, FINISH B ( GRADE 2 ).
- ANTI-CHAFING MATERIAL -----: NEUTRAL BARRIER MATERIAL, MIL-B-121 ( OR EQUAL ).

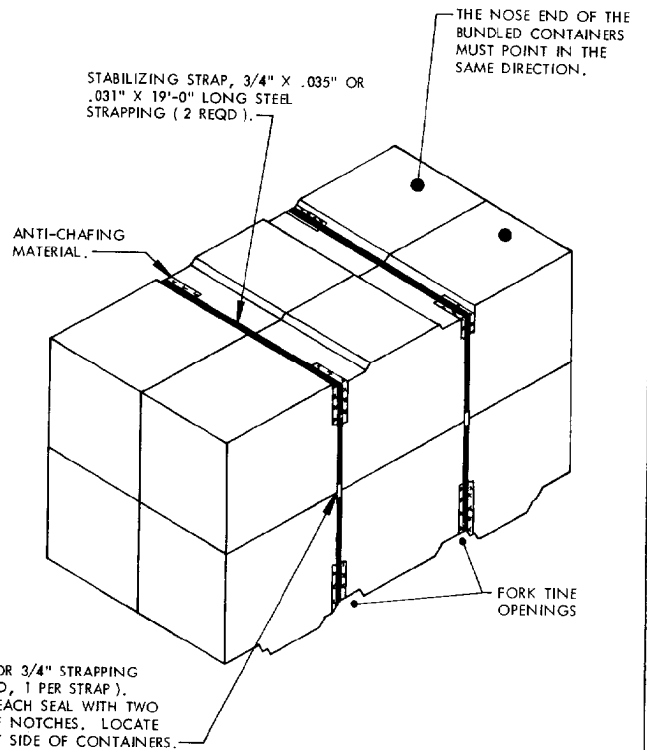


**CONTAINER DETAIL**

SEE GENERAL NOTE "C" ON PAGE 2.

**STACK STABILIZING STRAPPING REQUIREMENTS**

1. TO PROVIDE STABILITY TO STACKS IN STORAGE, CONTAINERS WILL NOT BE STORED IN SINGLE STACKS BUT MUST BE BUNDLED WITH STRAPPING TO SOME CONTAINERS OF AN ADJACENT STACK AS SHOWN IN THE DETAIL AND AS SPECIFIED HEREINAFTER.
2. PRIOR TO PLACING CONTAINERS INTO THE STORAGE STACKS, TWO STABILIZING STRAPS WILL BE INSTALLED TO ENCIRCLE AND BUNDLE FOUR CONTAINERS (2 WIDE, 2 HIGH) AS SHOWN. POSITION ANTI-CHAFING MATERIAL UNDER STEEL STRAPPING AT ALL POINTS OF STRAP/CONTAINER CONTACT.
3. THE 4-CONTAINER CONFIGURATION WILL ALSO FACILITATE HANDLING OPERATIONS BY PERMITTING PLACEMENT OF FOUR CONTAINERS INTO STORAGE STACKS WITH BUT ONE LIFT OF A FORKLIFT TRUCK.
4. ALL FIRST AND SECOND LAYER CONTAINERS WITHIN 2-LAYER AND 3-LAYER STACKS WILL BE BUNDLED AS SHOWN.
5. ALL FIRST AND SECOND LAYER CONTAINERS AND ALL THIRD AND FOURTH LAYER CONTAINERS WITHIN 4-LAYER AND 5-LAYER STACKS WILL BE BUNDLED AS SHOWN.
6. CONTAINERS IN THE THIRD LAYER OF 3-LAYER STACKS AND CONTAINERS IN THE FIFTH LAYER OF 5-LAYER STACKS NEED NOT BE BUNDLED. IF DESIRED, HOWEVER, TWO CONTAINERS MAY BE BUNDLED SIDE-BY-SIDE TO PERMIT ONE LIFT FOR PLACEMENT OF TWO CONTAINERS IN THE TOP LAYER OF 3-LAYER AND 5-LAYER STACKS.



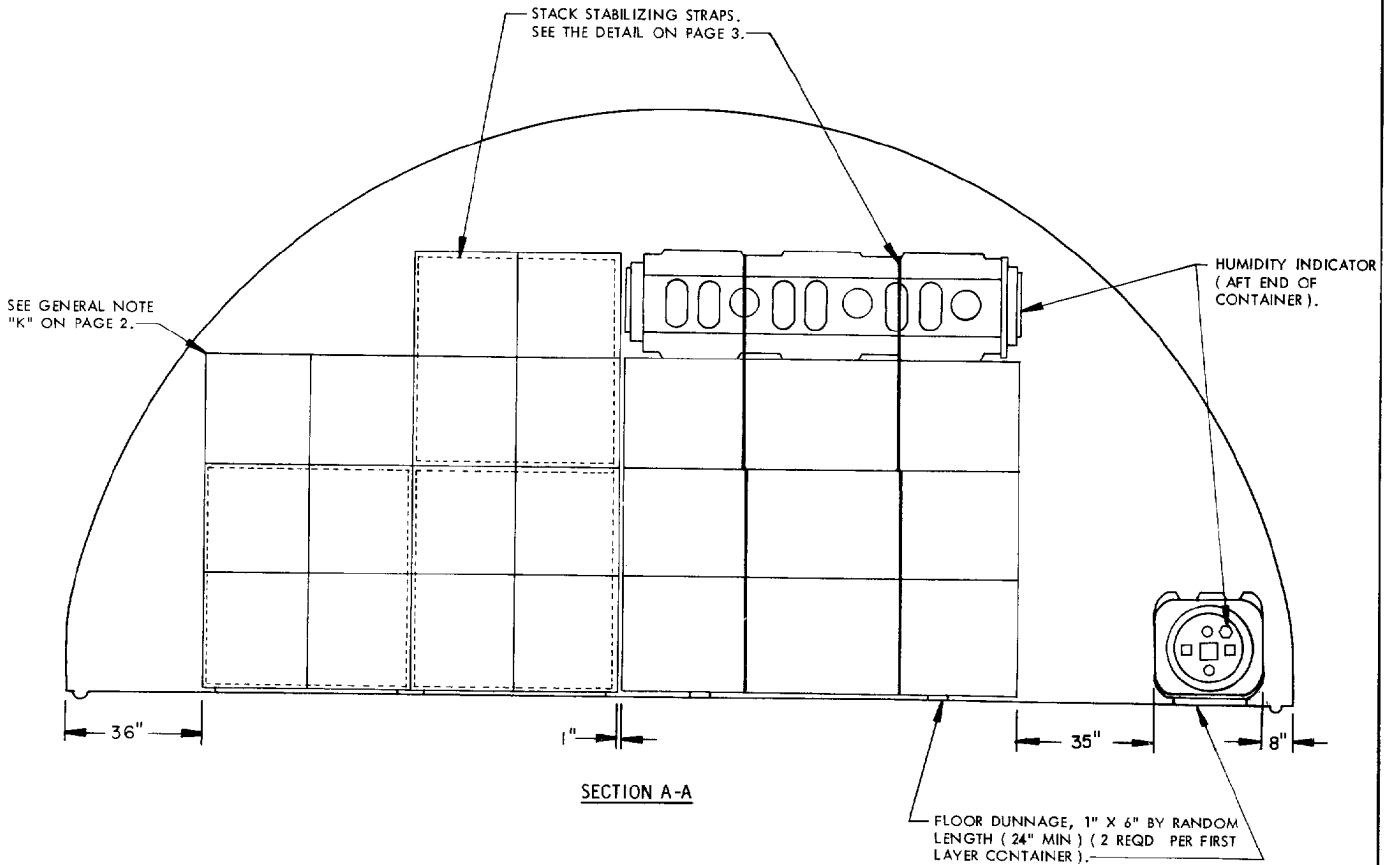
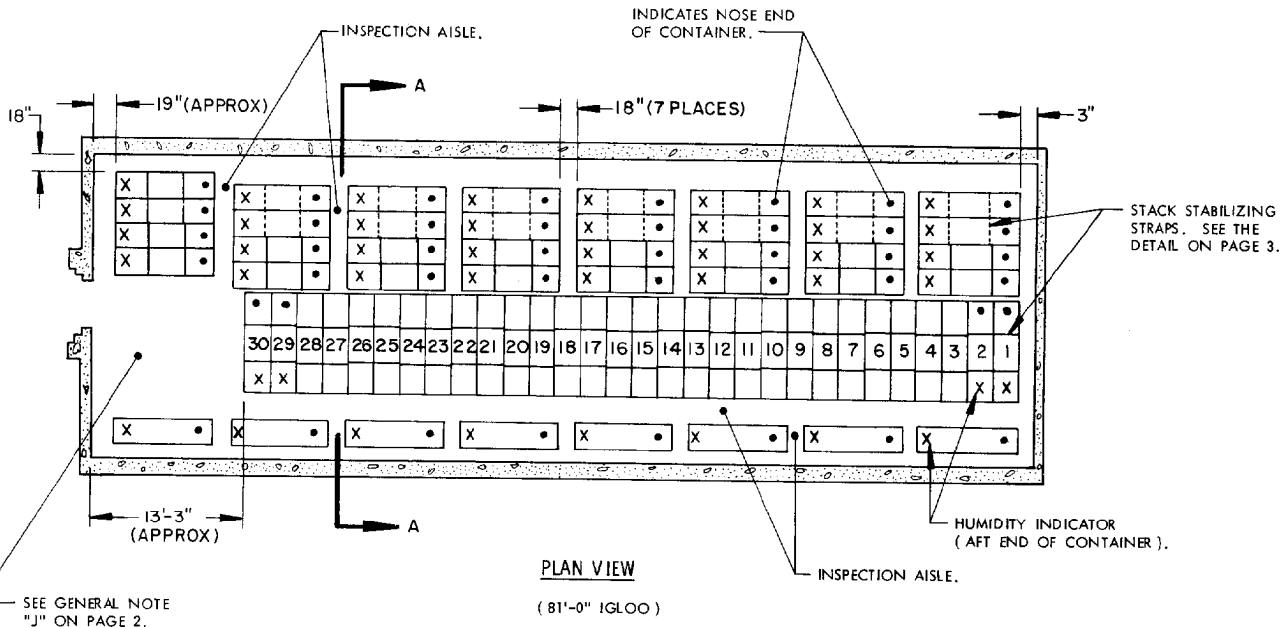
**STACK STABILIZING STRAPPING DETAIL**

SEE REQUIREMENTS AT LEFT.

STORAGE IN 81'-0" IGLOO

( 12'-9" HIGH )

ITEM	QUANTITY
CONTAINERS	238



STORAGE IN 60'-8" IGLOO

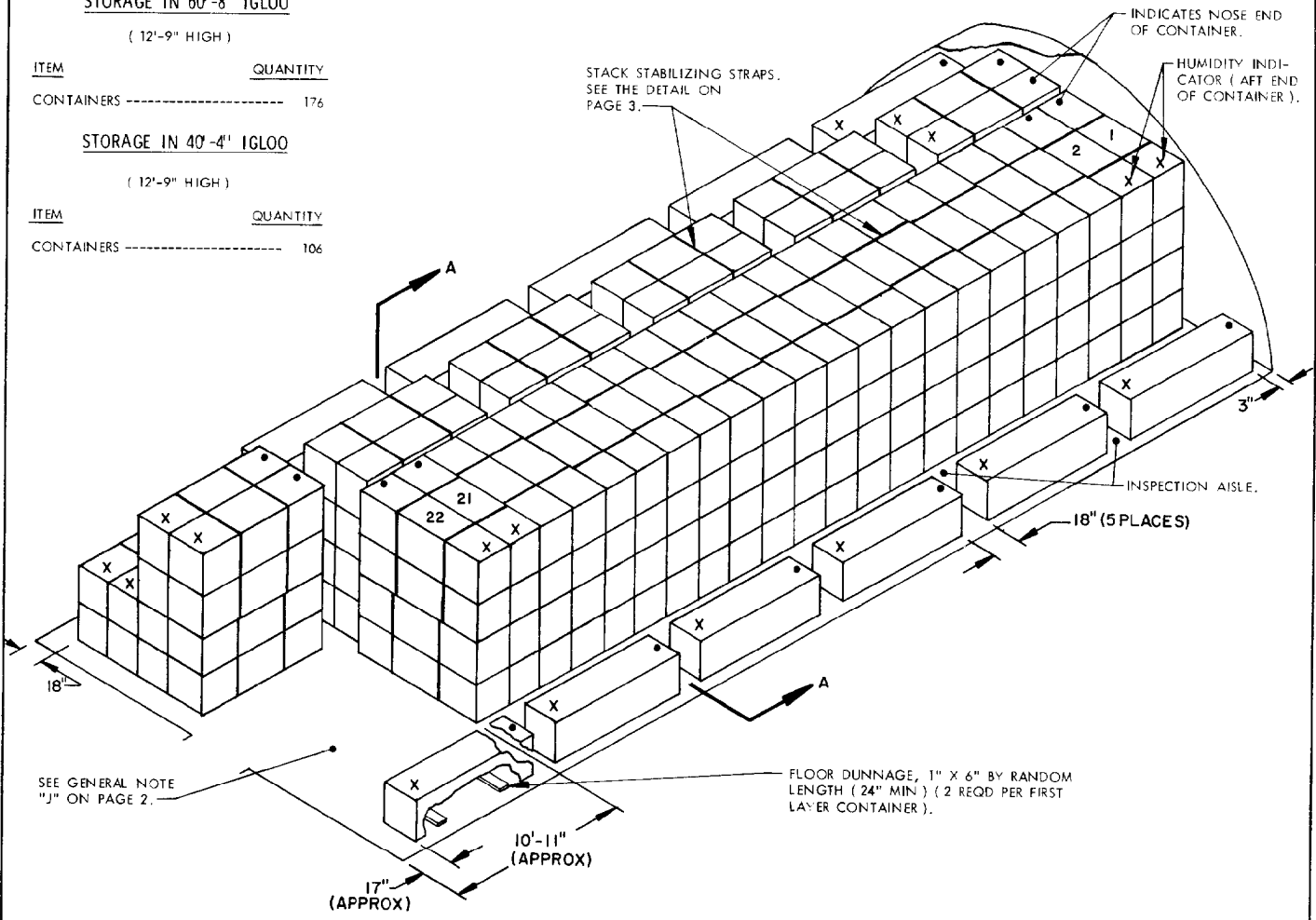
( 12'-9" HIGH )

<u>ITEM</u>	<u>QUANTITY</u>
CONTAINERS -----	176

STORAGE IN 40'-4" IGLOO

( 12'-9" HIGH )

<u>ITEM</u>	<u>QUANTITY</u>
CONTAINERS -----	106



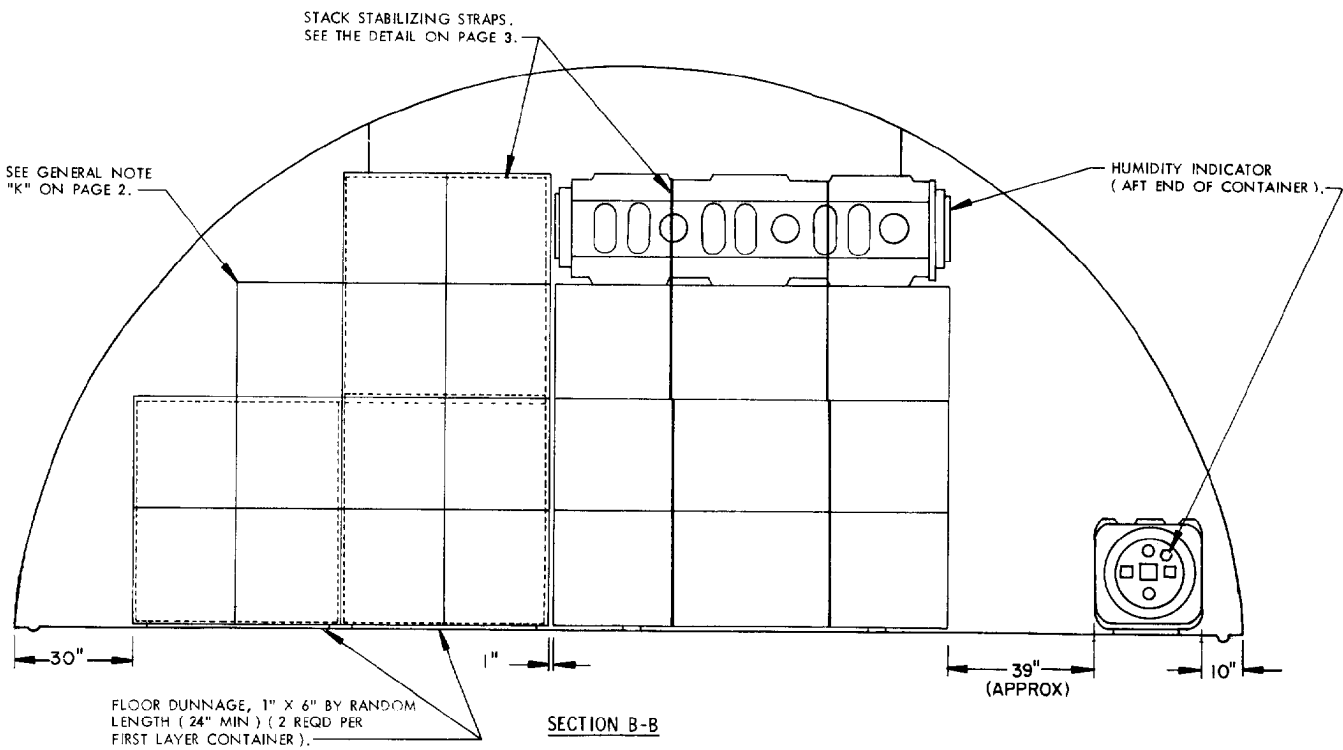
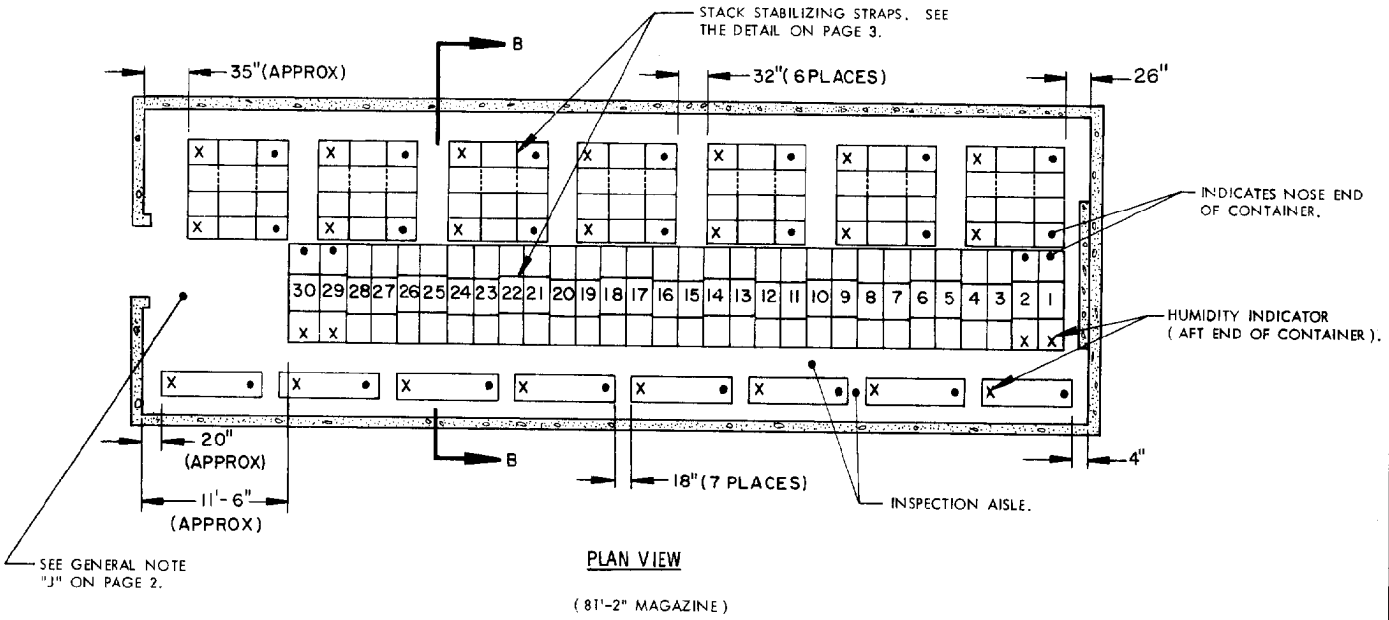
ISOMETRIC VIEW

( 60'-8" IGLOO )

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS",  
SEE PAGE 2.

STORAGE IN 81'-2" MAGAZINE

ITEM \_\_\_\_\_ QUANTITY \_\_\_\_\_  
 CONTAINERS ----- 219



FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.

STORAGE IN 80'-0" MAGAZINE

(12'-1-3/4" HIGH)

ITEM QUANTITY

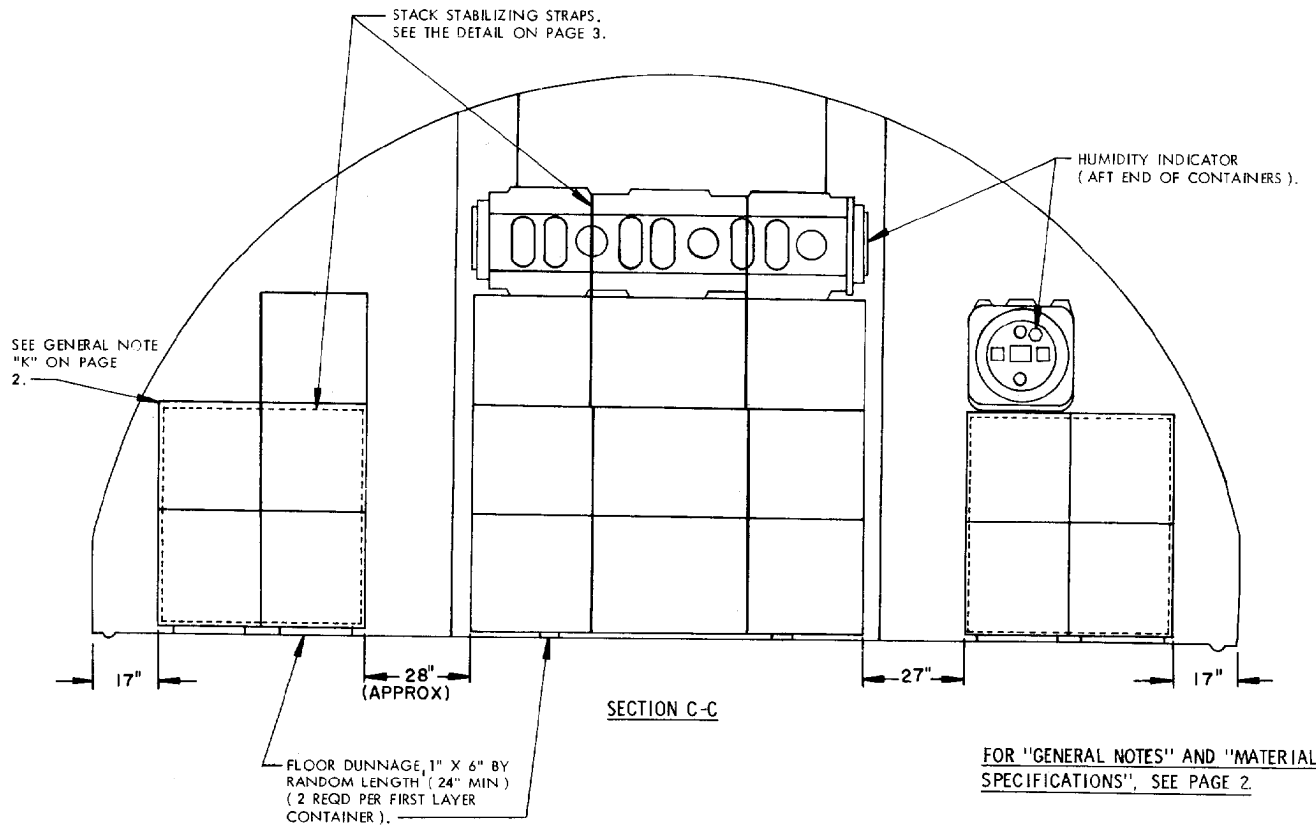
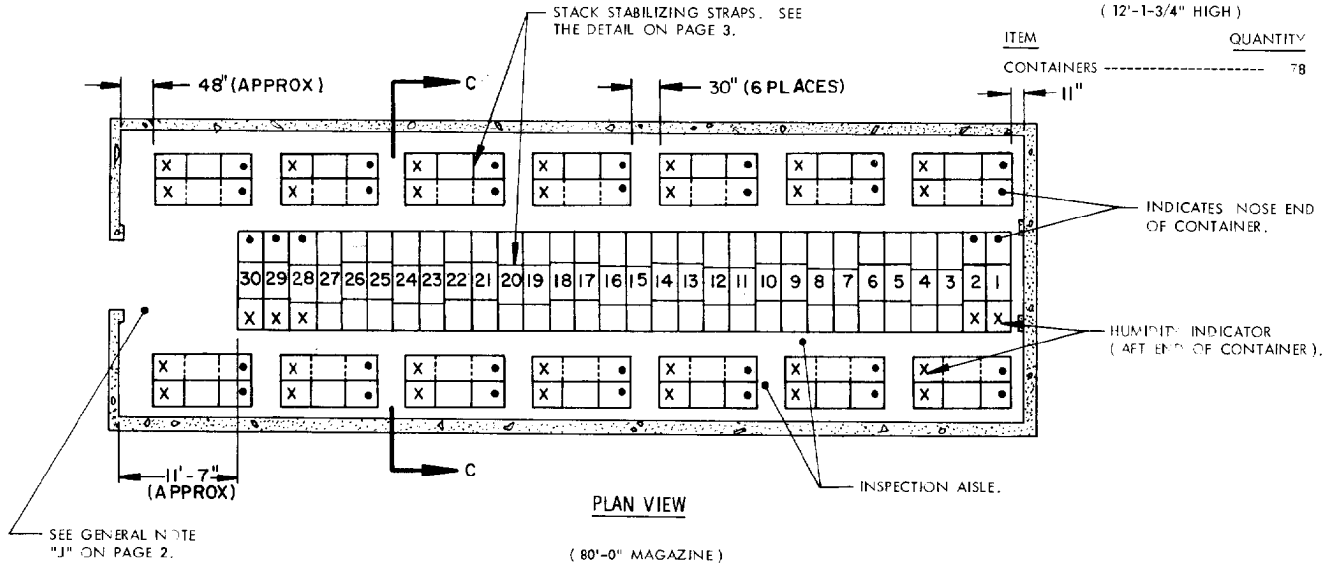
CONTAINERS ----- 190

STORAGE IN 40'-0" MAGAZINE

(12'-1-3/4" HIGH)

ITEM QUANTITY

CONTAINERS ----- 78



**STORAGE IN 80'-0" MAGAZINE**

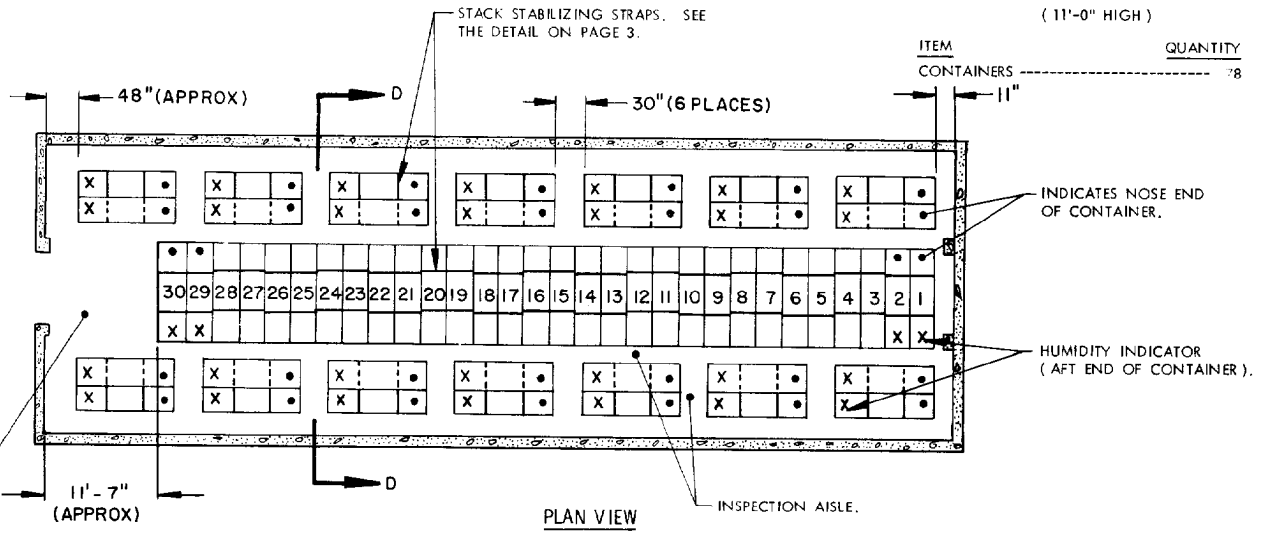
( 11'-0" HIGH )

ITEM	QUANTITY
CONTAINERS -----	190

**STORAGE IN 40'-0" MAGAZINE**

( 11'-0" HIGH )

ITEM	QUANTITY
CONTAINERS -----	98



**PLAN VIEW**

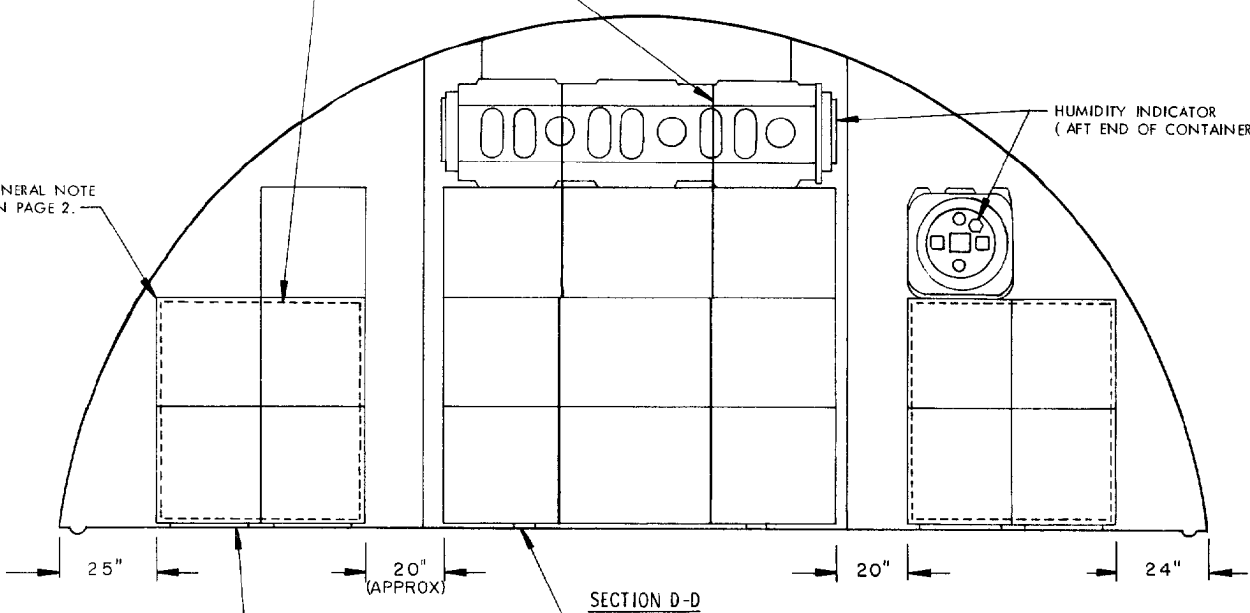
( 80'-0" MAGAZINE )

SEE GENERAL NOTE "J" ON PAGE 2.

STACK STABILIZING STRAPS. SEE THE DETAIL ON PAGE 3.

HUMIDITY INDICATOR ( AFT END OF CONTAINER ).

SEE GENERAL NOTE "K" ON PAGE 2.



**SECTION D-D**

FLOOR DUNNAGE, 1" X 6" BY RANDOM LENGTH ( 24" MIN ) ( 2 REQD PER FIRST LAYER CONTAINER ).

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2



STORAGE IN 80'-0" MAGAZINE

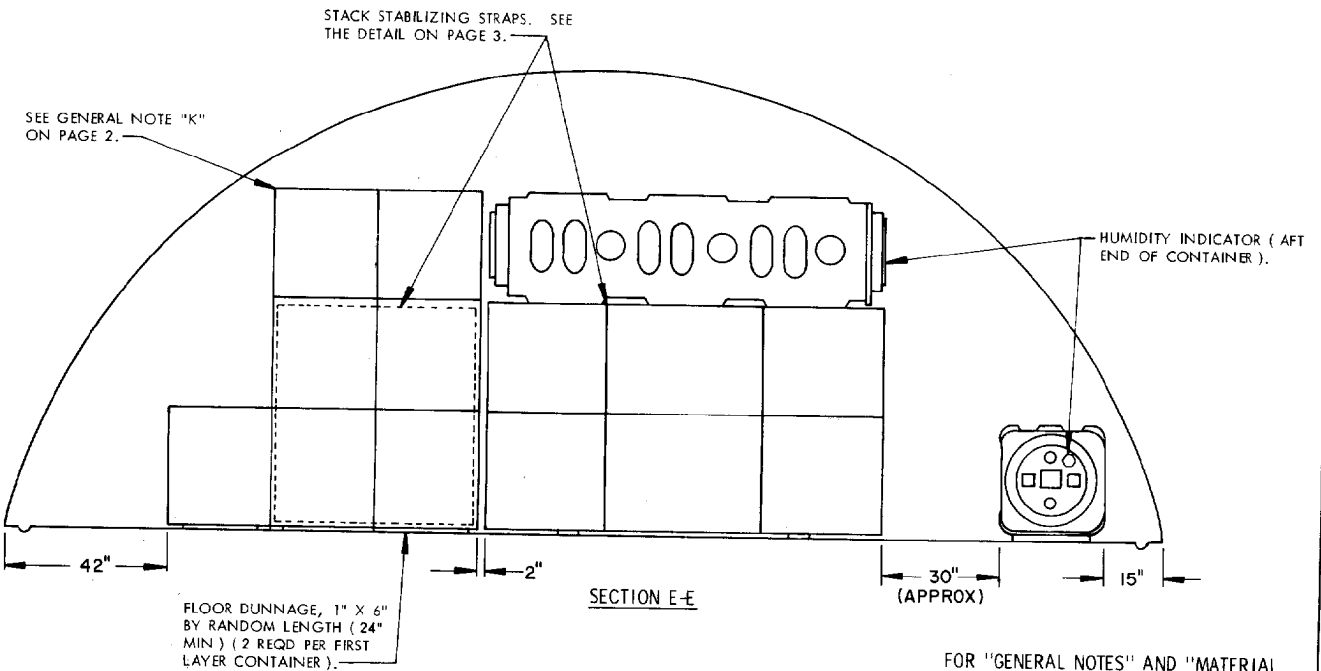
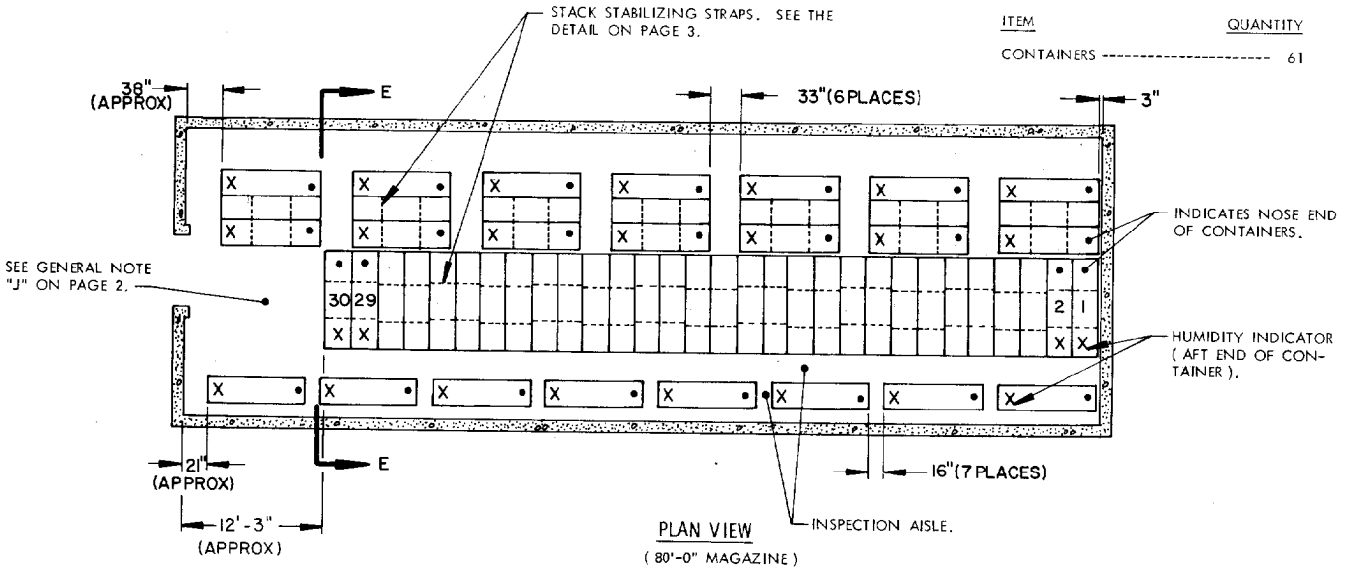
(10'-0" HIGH)

ITEM	QUANTITY
CONTAINERS	147

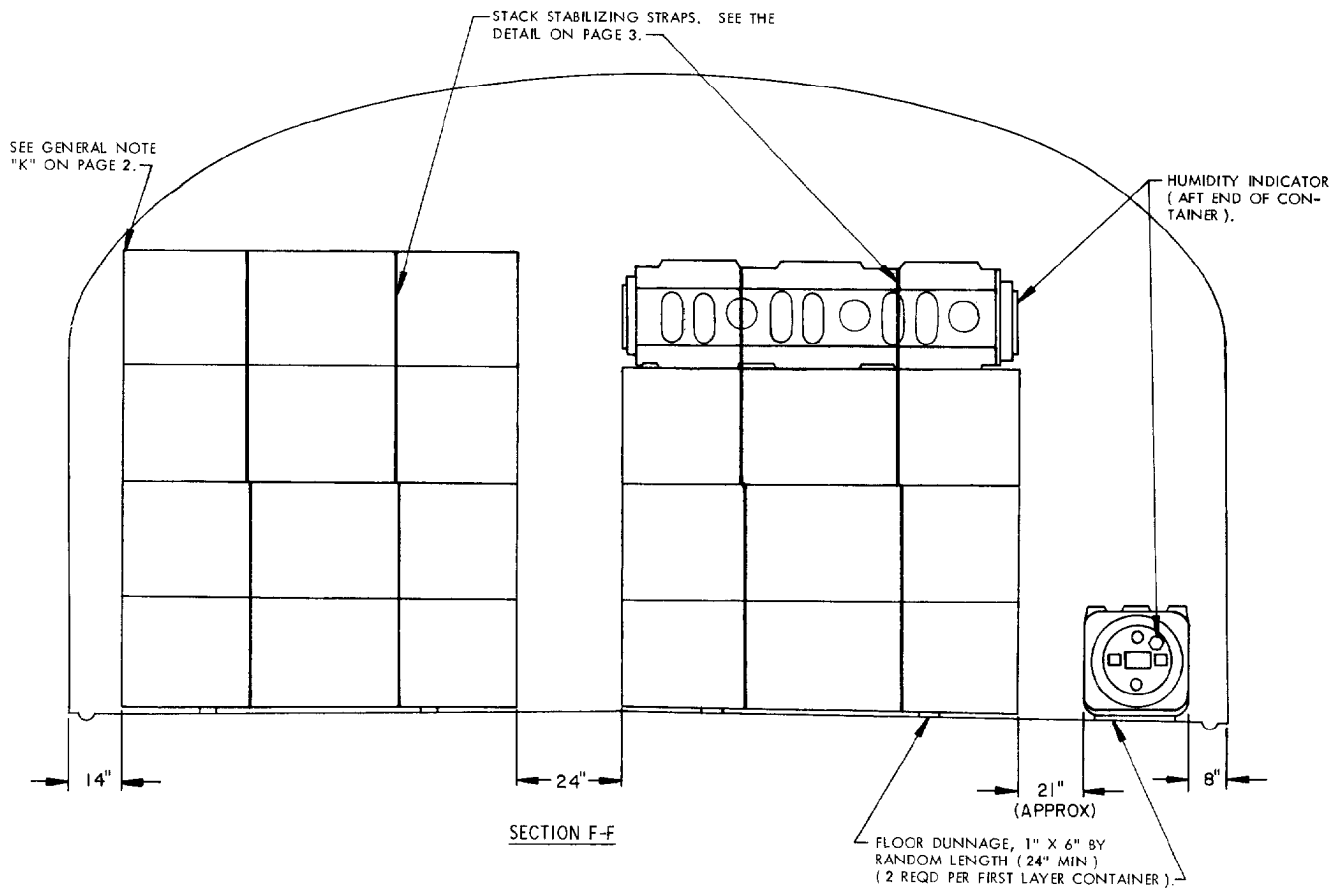
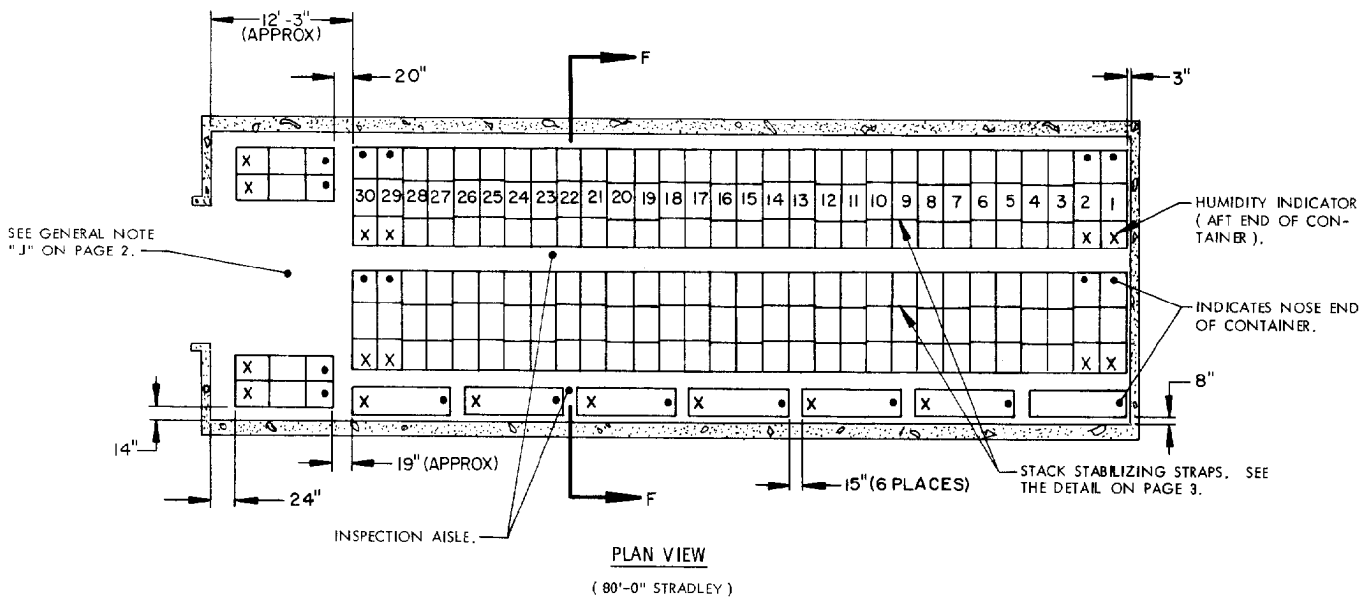
STORAGE IN 40'-0" MAGAZINE

(10'-0" HIGH)

ITEM	QUANTITY
CONTAINERS	61



FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2

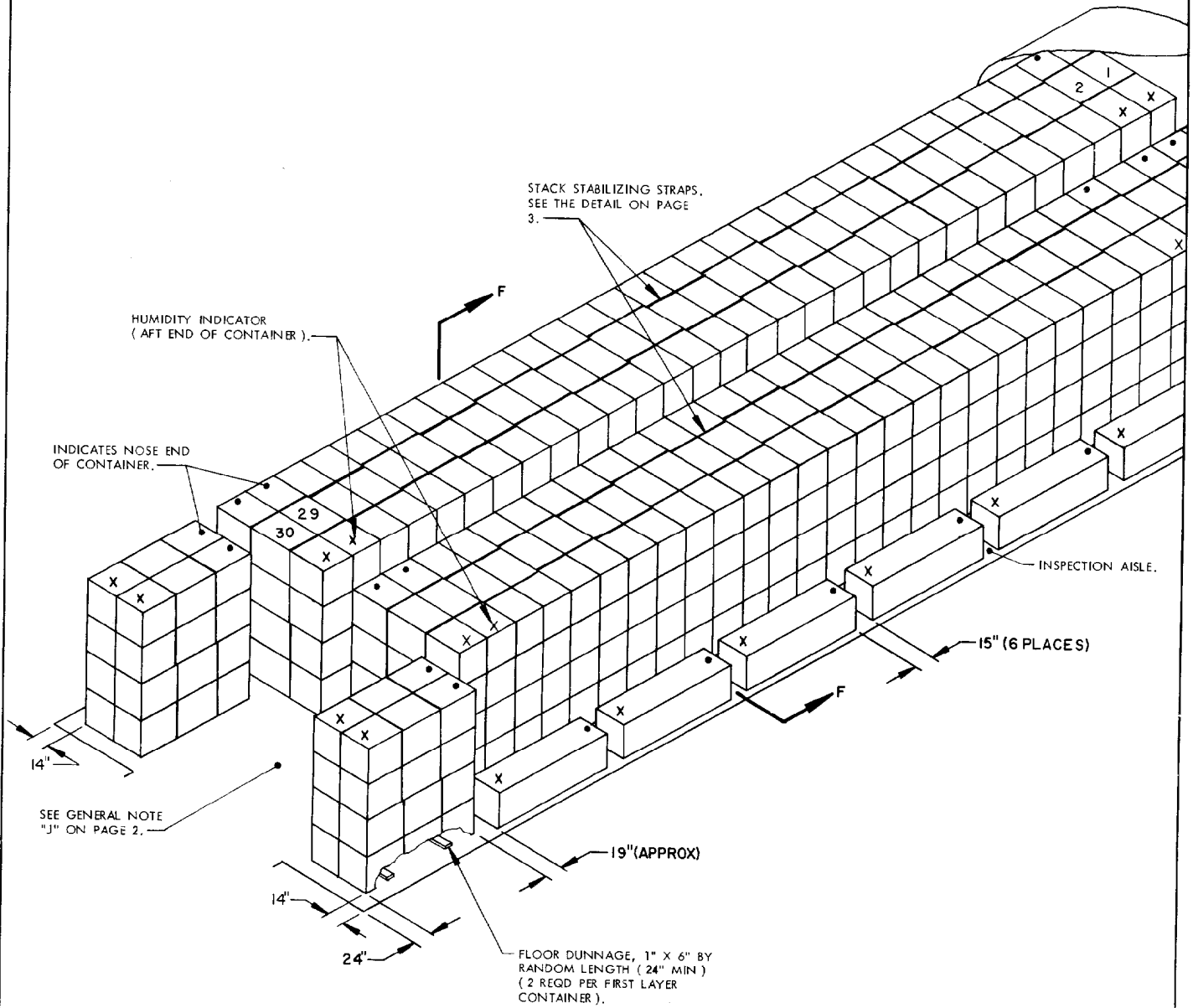


STORAGE IN 80'-0" STRADLEY

ITEM	QUANTITY
CONTAINERS -----	263

STORAGE IN 89'-0" OVAL ARCH

ITEM	QUANTITY
CONTAINERS -----	296

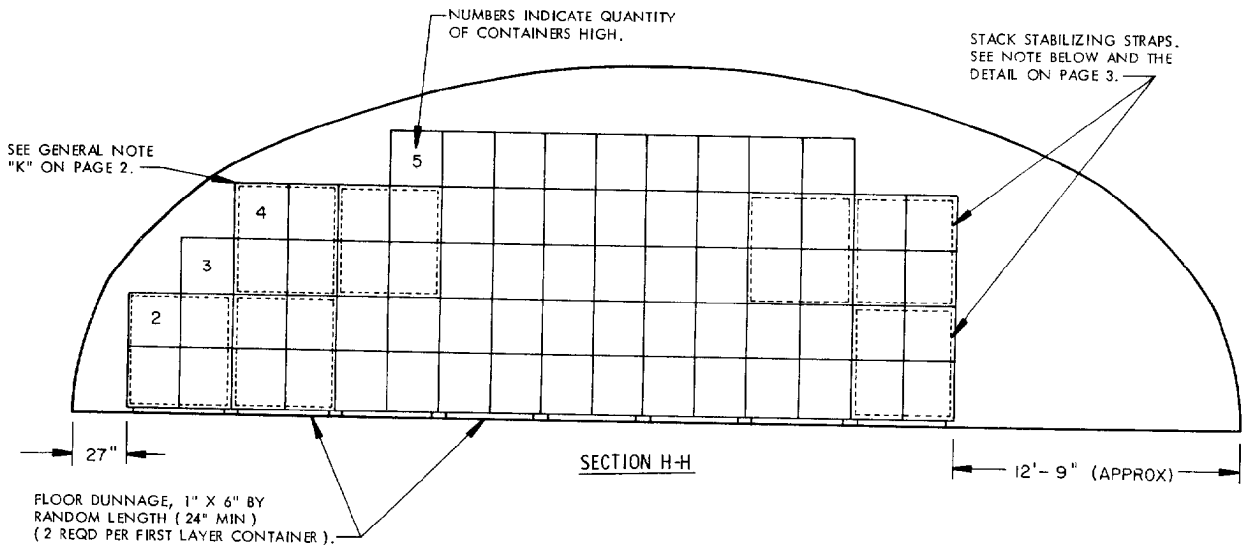
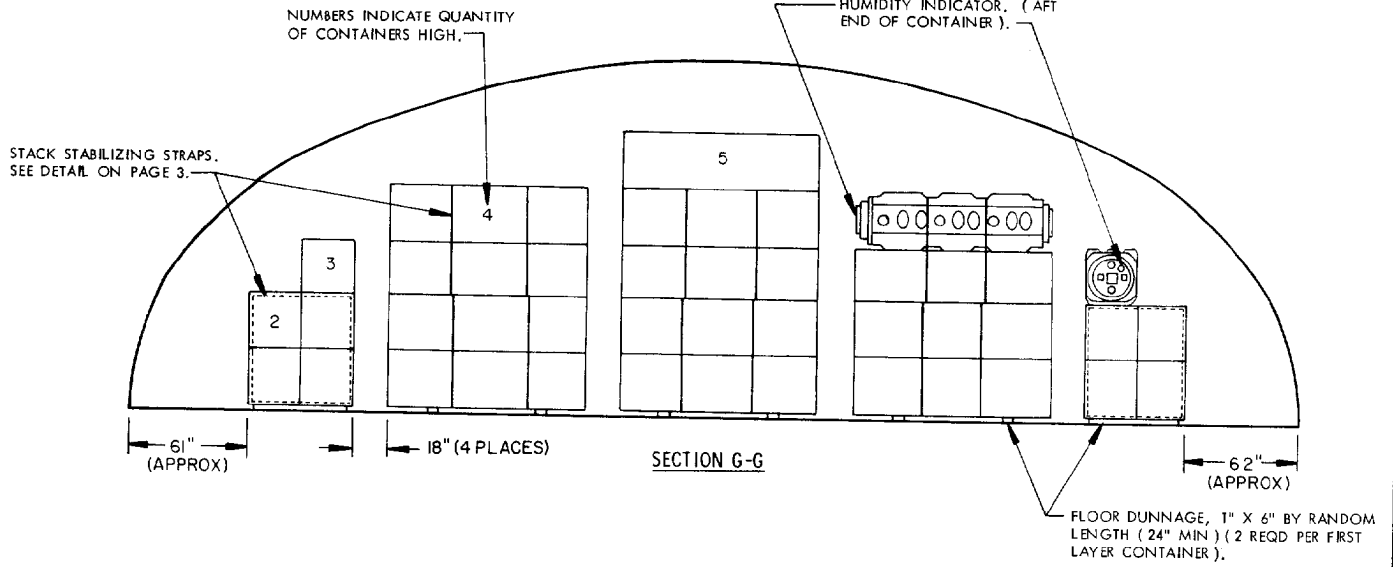


**ISOMETRIC VIEW**

(80'-0" STRADLEY)

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.





**NOTE:**

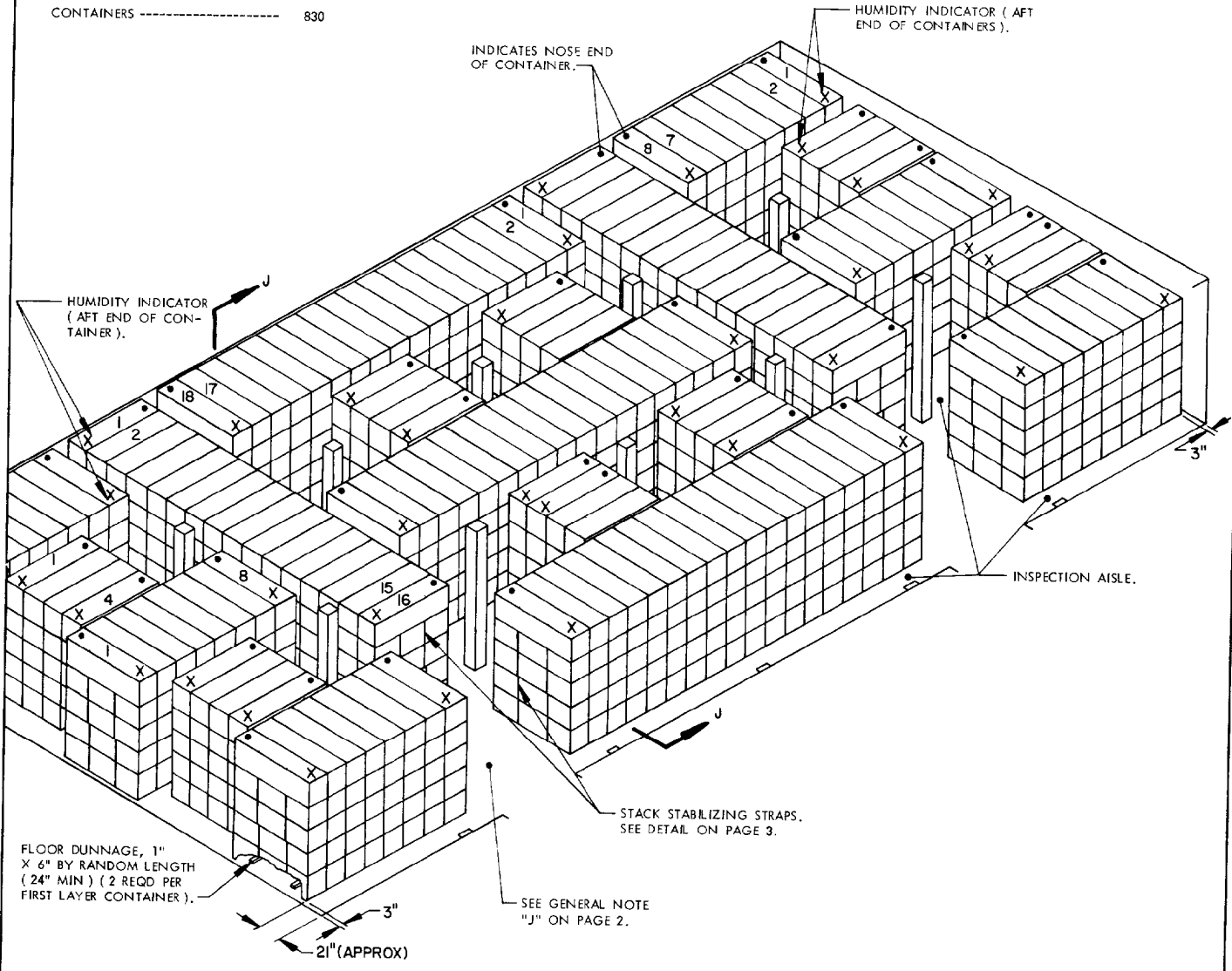
ALTHOUGH REQUIRED, ALL STACK STABILIZING STRAPS ARE NOT SHOWN IN THIS SECTION FOR CLARITY PURPOSES.

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.



STORAGE IN 100' X 50' MAGAZINE

<u>ITEM</u>	<u>QUANTITY</u>
CONTAINERS -----	830



ISOMETRIC VIEW  
( 100' X 50' MAGAZINE )

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS," SEE PAGE 2.