

STORAGE IN APPROVED MAGAZINES OF 40MM AMMUNITION PACKED IN PA 105 METAL CONTAINER

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DO NOT SCALE

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U.S. ARMY AMC DRAWING					
NOVEMBER 1985					
CLASS	DIVISION	DRAWING	FILE		
19	48	4180	1-3-4-14	22PM 1004	

GENERAL NOTES

- 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 40MM AMMUNITION PACKED IN PA 105 METAL SHIPPING AND STORAGE CONTAINER. SUBSEQUENT REFERENCE TO CONTAINER MEANS SHIPPING AND STORAGE CONTAINER WITH ROUNDS. NOTE THAT CONTAINERS MAY BE UNITIZED WHEN OFFERED FOR STORAGE.
- C. FOR DETAIL OF THE SHIPPING AND STORAGE CONTAINER, SEE PAGE 3. FOR UNITIZATION PROCEDURES, SEE U.S. ARMY AMC (DARCOM) DRAWING 19-48-4186-20PM1005.

CONTAINER (SINGLE)

DIMENSIONS -----56-5/8" LONG BY 43-1/8" WIDE BY 28-1/4" HIGH.
GROSS WEIGHT -----1,599 POUNDS (APPROX).
CUBE -----39.6 CUBIC FEET (APPROX).

CONTAINER (UNITIZED)

DIMENSIONS -----56-3/4" LONG BY 43-1/4" WIDE BY 56-1/4" HIGH.
GROSS WEIGHT -----3,203 POUNDS (APPROX).
CUBE -----79.9 CUBIC FEET (APPROX).

- D. THE DEPICTED PROCEDURES ARE APPLICABLE FOR THE FOLLOWING ITEMS:

ITEM

M811, HEI-PD
M822, PFPX
M813, TP
M851, DM (DUMMY)

- 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 END OF THE CONTAINER WHERE THE HUMIDITY INDICATOR IS 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, AS DEPICTED IN THE STORAGE VIEWS, IS REQUIRED UNDER EACH FIRST LAYER CONTAINER TO HELP KEEP IT DRY THUS AIDING IN PREVENTING DETERIORATION DUE TO OXIDATION (RUSTING). SEE THE "DUNNAGE PLACEMENT DETAIL" ON PAGE 17 FOR A TYPICAL INSTALLATION.
- 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 TWO UPPER CONTAINERS ARE HANDLED AS ONE LIFT OR 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 TWO CONTAINERS AS ONE LIFT.
- 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.

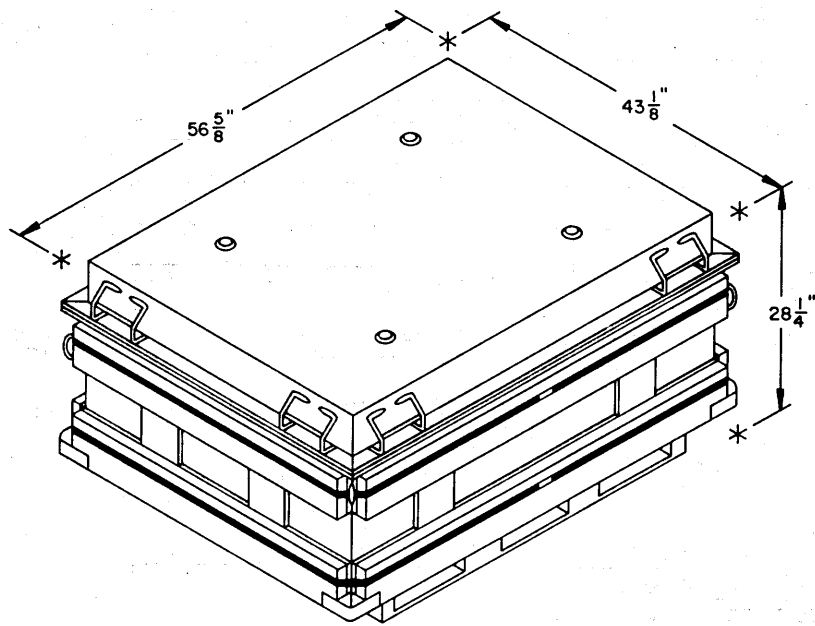
(CONTINUED AT RIGHT)

MATERIAL SPECIFICATIONS

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

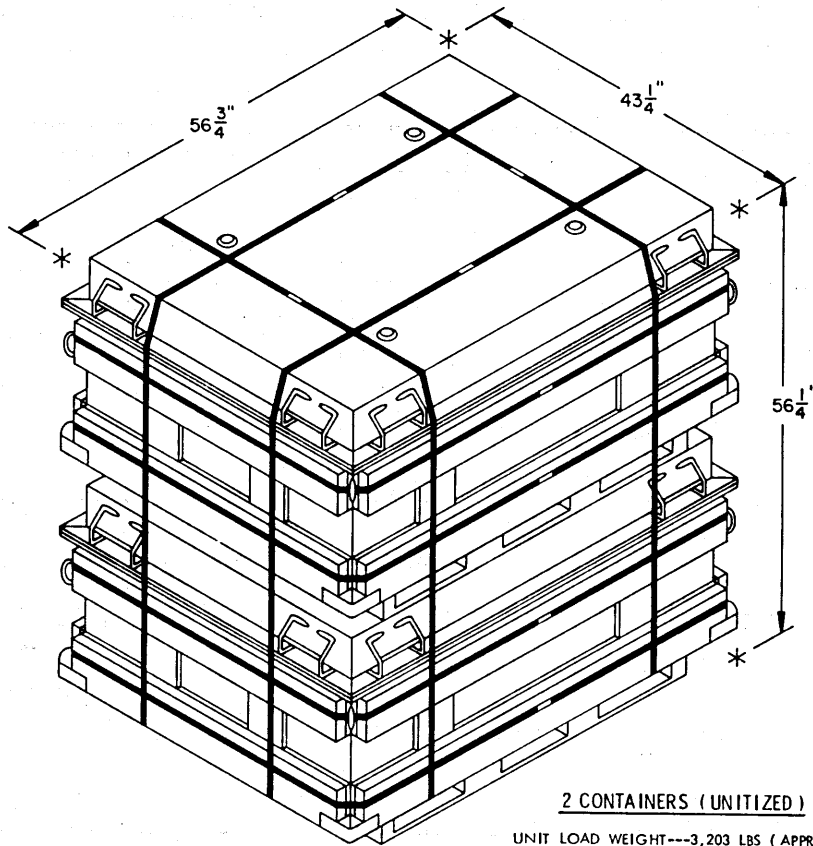
(GENERAL NOTES CONTINUED)

- O. DUNNAGE LUMBER SPECIFIED THROUGHOUT THIS PROCEDURAL DRAWING IS OF NOMINAL SIZE. FOR EXAMPLE, 1" X 4" MATERIAL IS ACTUALLY 3/4" THICK BY 3-1/2" WIDE.
- P. CONVERSION TO METRIC EQUIVALENTS: DIMENSIONS WITHIN THIS DOCUMENT ARE EXPRESSED IN INCHES, AND WEIGHTS ARE EXPRESSED IN POUNDS. WHEN NECESSARY, THE METRIC EQUIVALENTS MAY BE COMPUTED ON THE BASIS OF ONE INCH EQUALS 25.4MM, AND ONE POUND EQUALS 0.454KG.
- Q. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS, HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- R. FOR ADDITIONAL GUIDANCE, ATTENTION IS DIRECTED TO THE "SPECIAL NOTES" SECTIONS WHICH ARE INCLUDED WITH THE DEPICTED OUTLOADING METHODS.



PA 105 CONTAINER

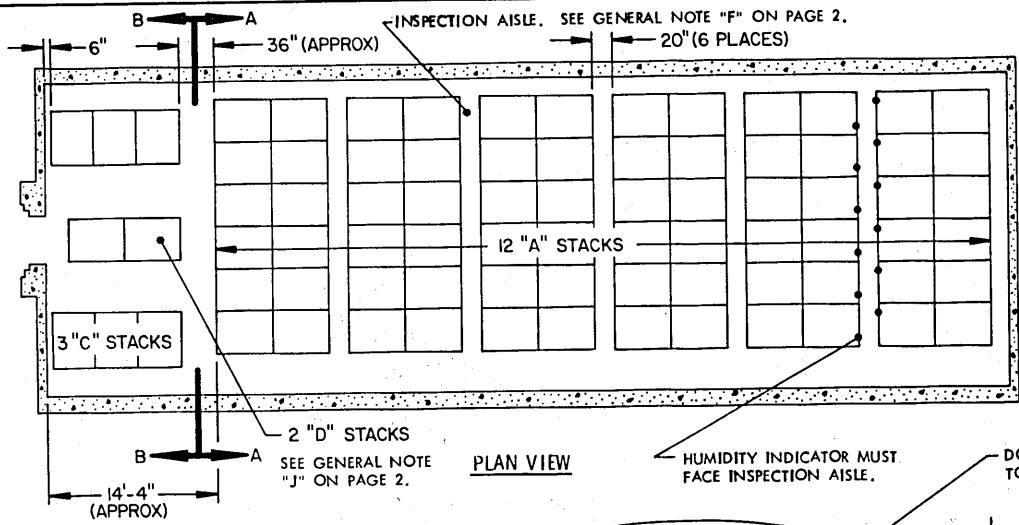
CONTAINER WEIGHT---1,599 LBS (APPROX)
 CUBE-----39.6 CU FT (APPROX)



2 CONTAINERS (UNITIZED)

UNIT LOAD WEIGHT---3,203 LBS (APPROX)
 CUBE-----79.9 CU FT (APPROX)

DETAILS

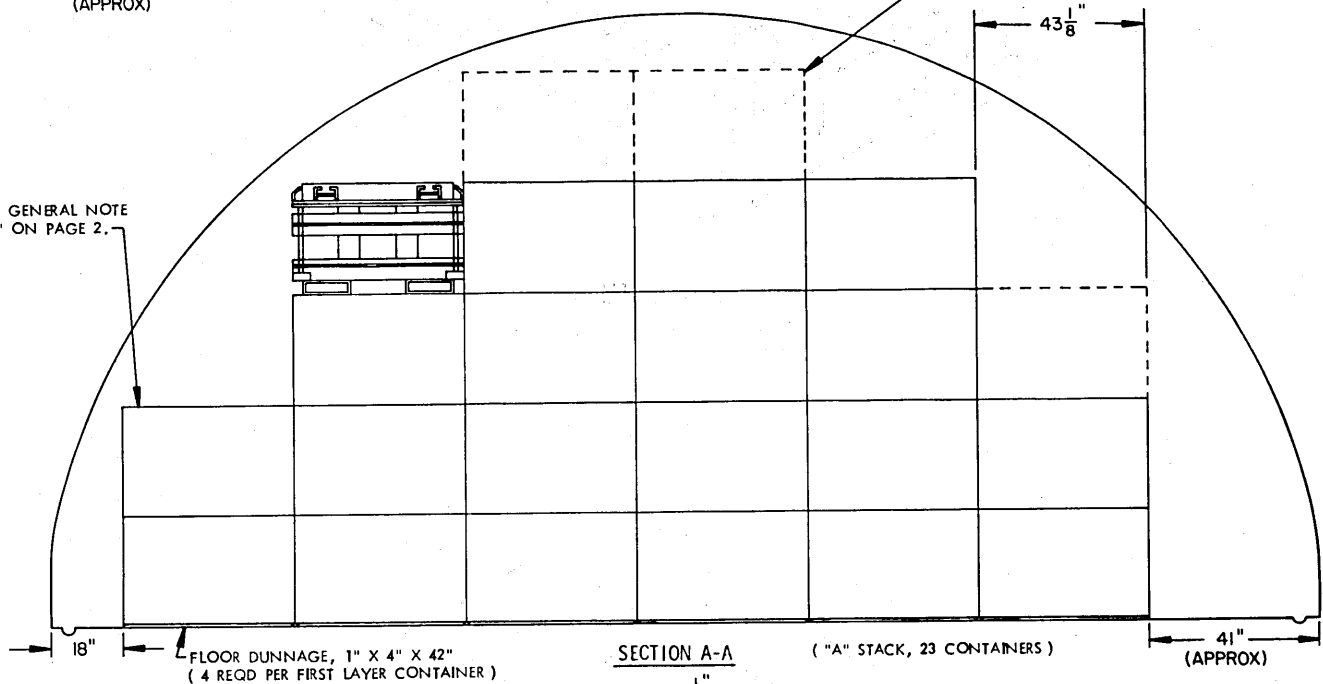


STORAGE IN 81'-0" L IGLOO

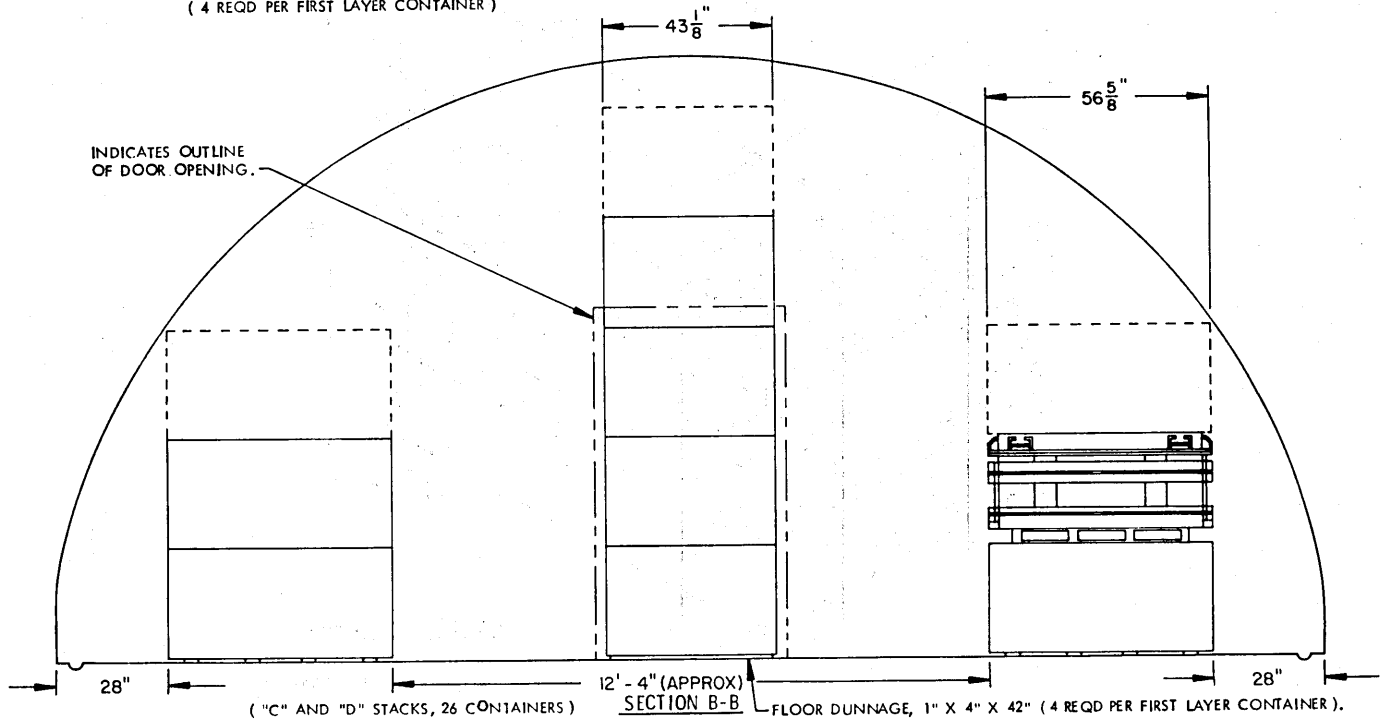
(12'-9" HIGH)

ITEM	QUANTITY
CONTAINER, SINGLE -----	302
CONTAINER, UNITIZED ----	258

SEE GENERAL NOTE "K" ON PAGE 2.



INDICATES OUTLINE OF DOOR OPENING.



STORAGE IN 60'-8" L IGLOO

(12'-9" HIGH)

ITEM	QUANTITY
CONTAINER, SINGLE -----	218
CONTAINER, UNITIZED -----	184

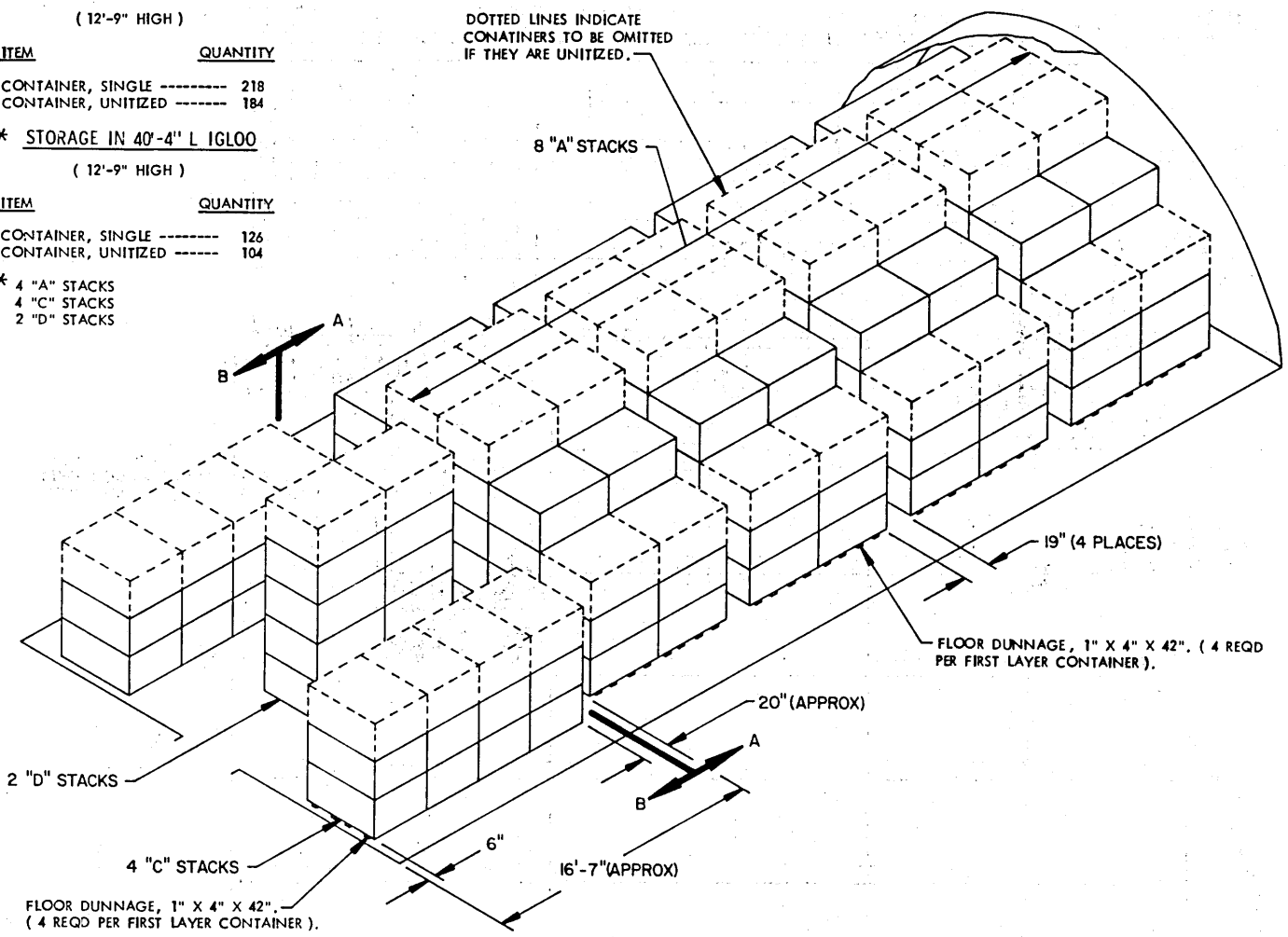
*** STORAGE IN 40'-4" L IGLOO**

(12'-9" HIGH)

ITEM	QUANTITY
CONTAINER, SINGLE -----	126
CONTAINER, UNITIZED -----	104

- * 4 "A" STACKS
- 4 "C" STACKS
- 2 "D" STACKS

DOTTED LINES INDICATE CONTAINERS TO BE OMITTED IF THEY ARE UNITIZED.

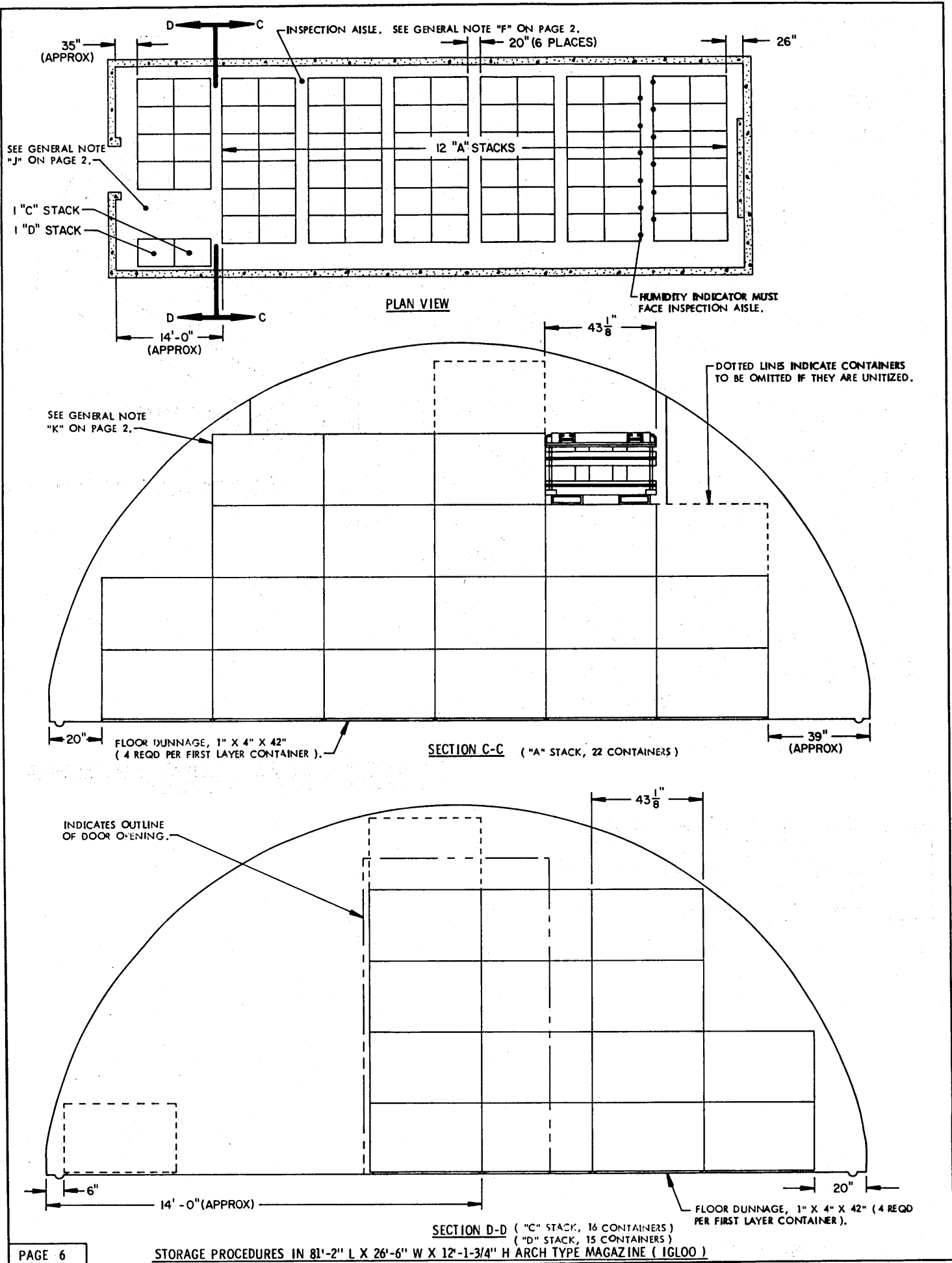


ISOMETRIC VIEW
(60'-8" L IGLOO)

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS" SEE PAGE 2.
FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

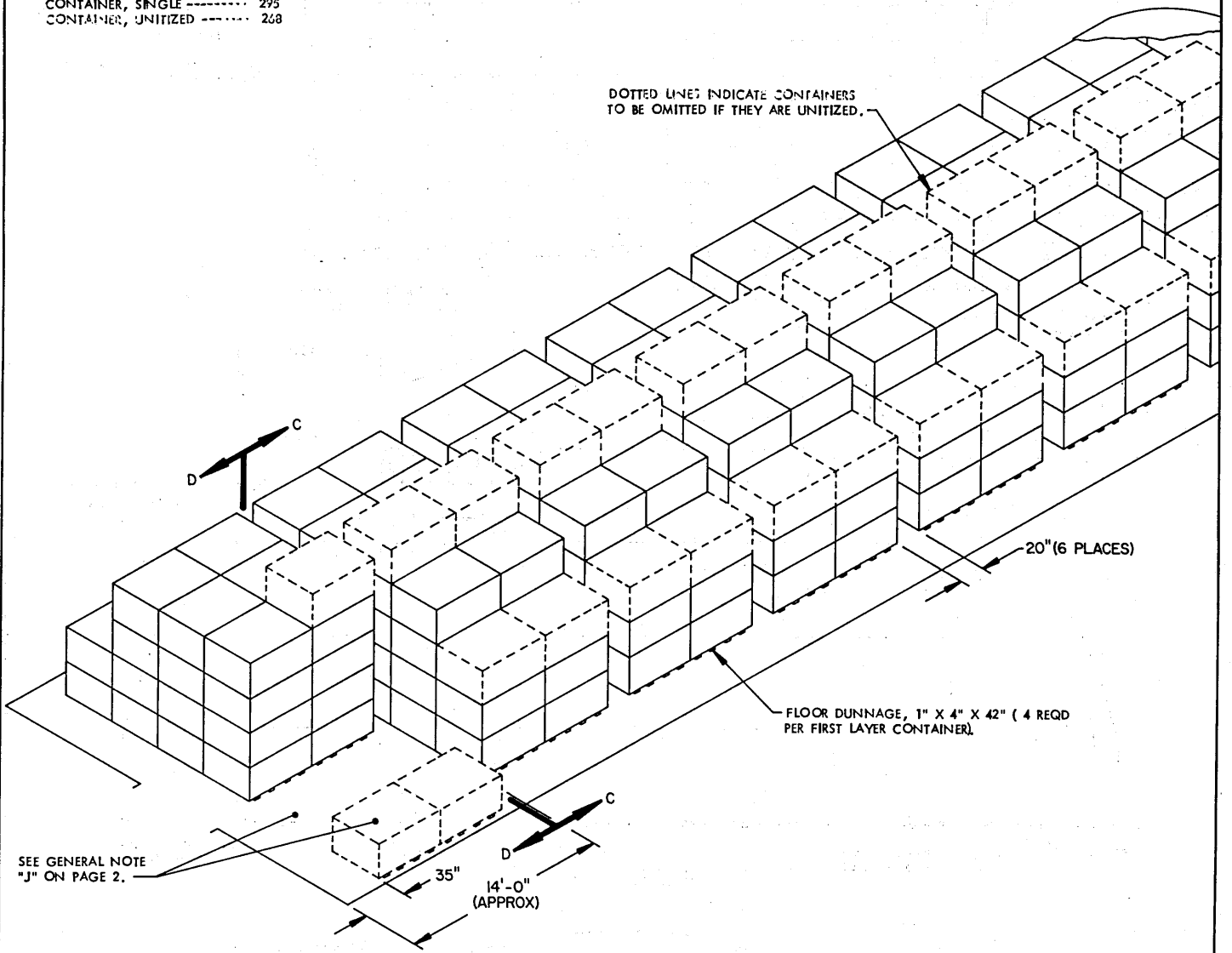
* RANDOM LENGTH PIECES MAY BE USED IF DESIRED.



STORAGE IN 81'-2" MAGAZINE

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

ITEM	QUANTITY
CONTAINER, SINGLE -----	295
CONTAINER, UNITIZED -----	268

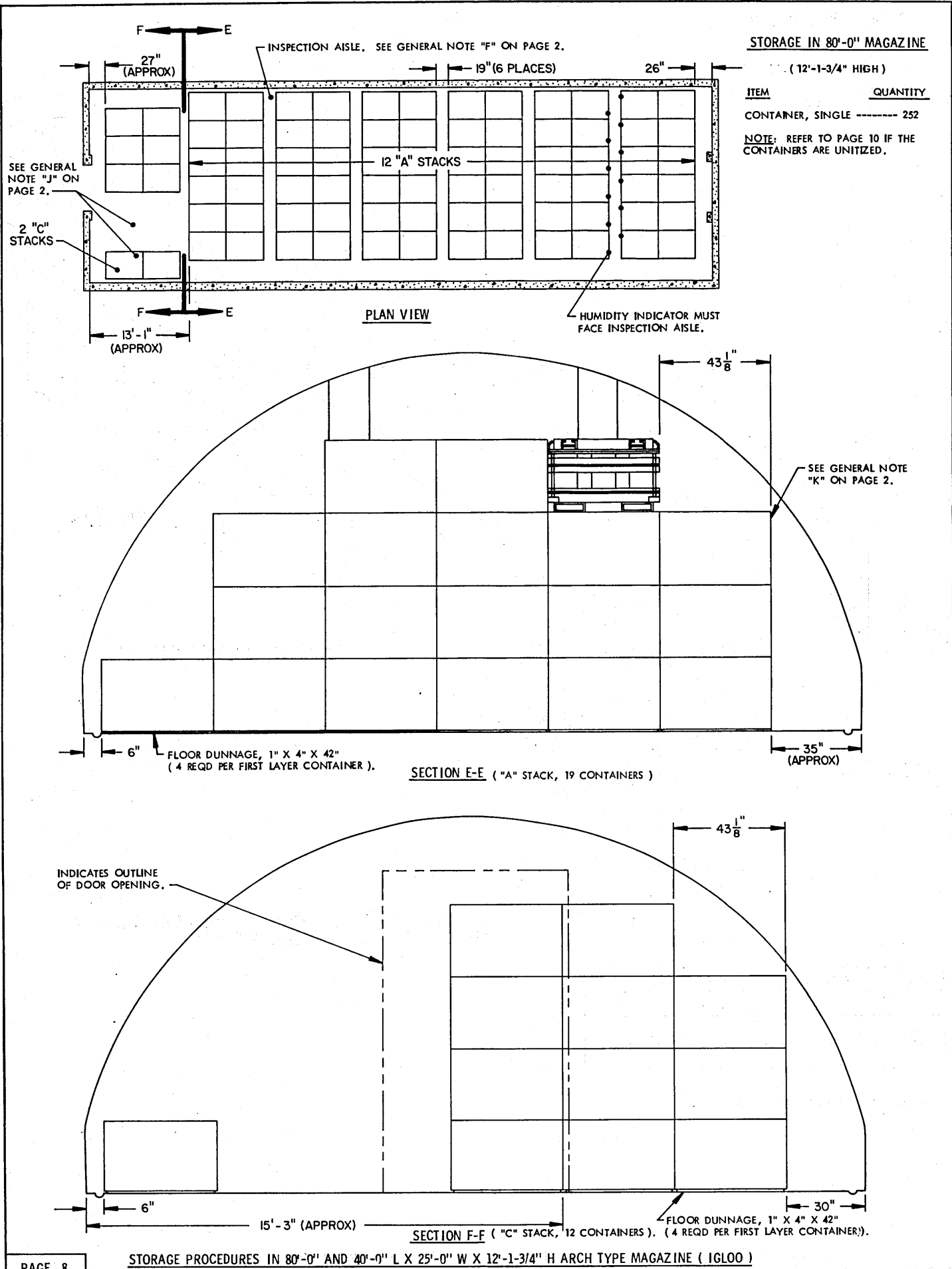


ISOMETRIC VIEW

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

* RANDOM LENGTH PIECES MAY BE USED IF DESIRED.



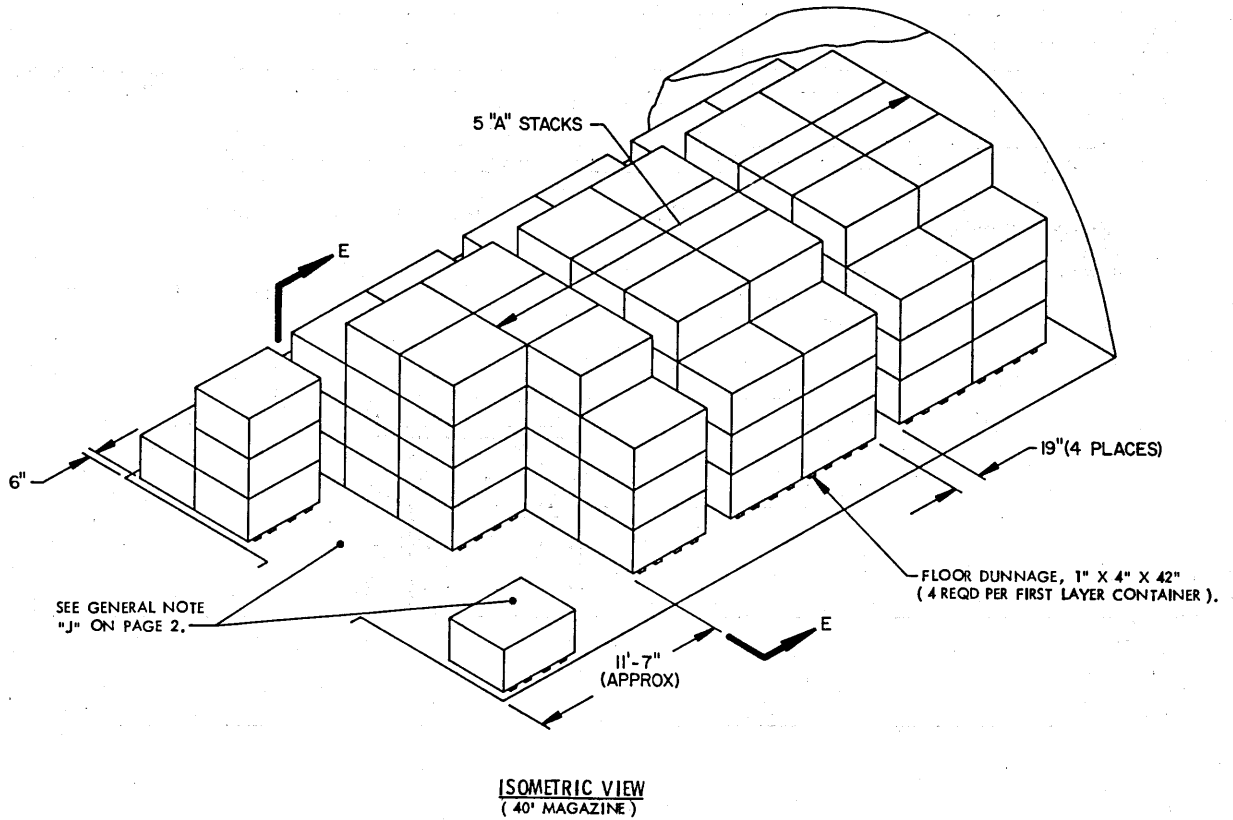
STORAGE IN 40'-0" MAGAZINE

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

ITEM

QUANTITY

CONTAINER, SINGLE ----- 112



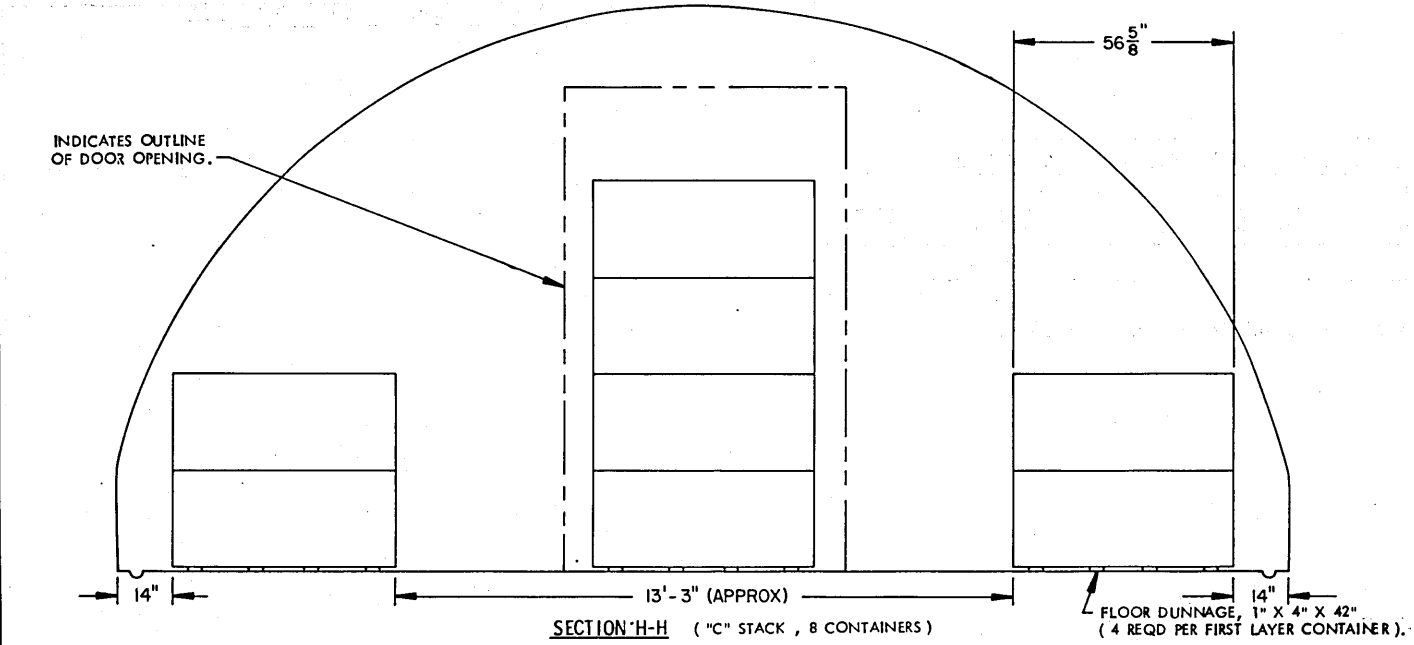
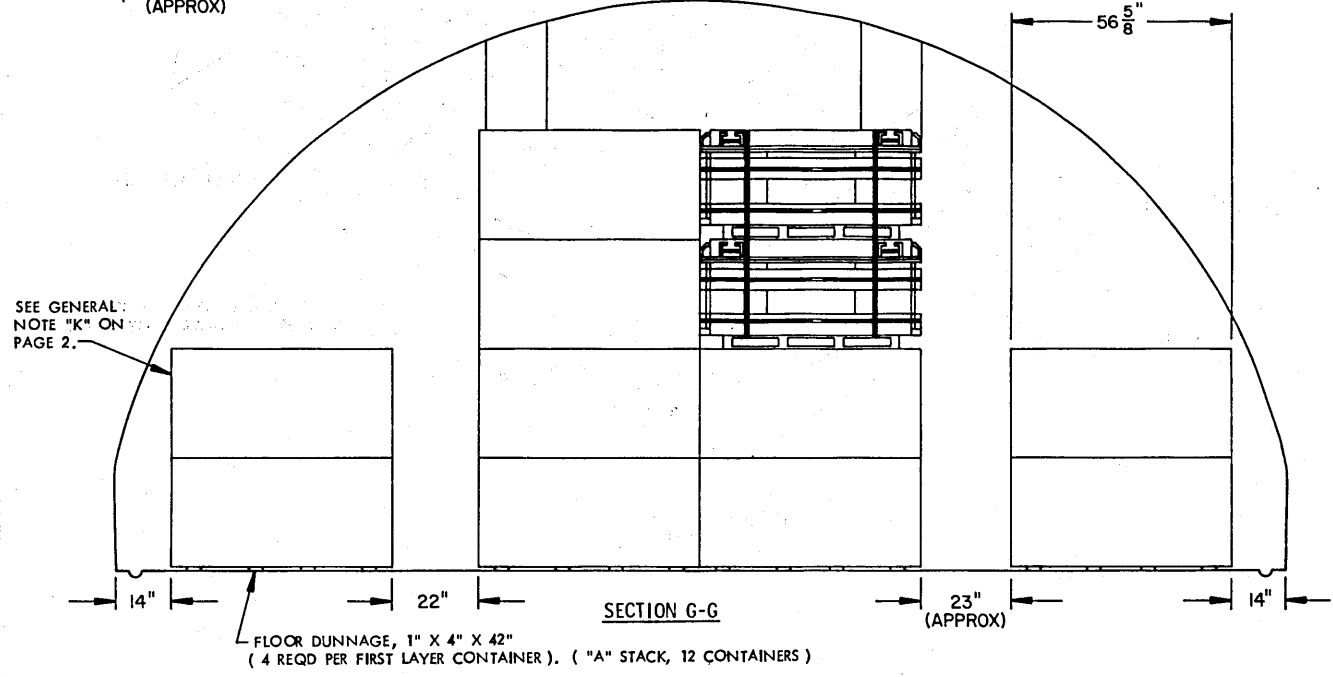
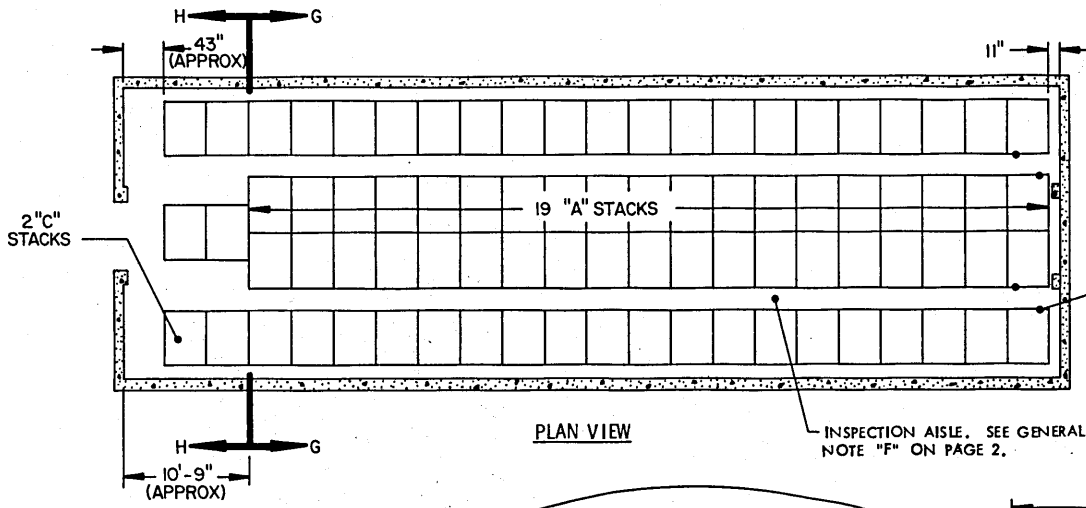
FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2
FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

* RANDOM LENGTH PIECES MAY BE USED IF DESIRED.

STORAGE IN 80'-0" MAGAZINE
(12'-1-3/4" HIGH)

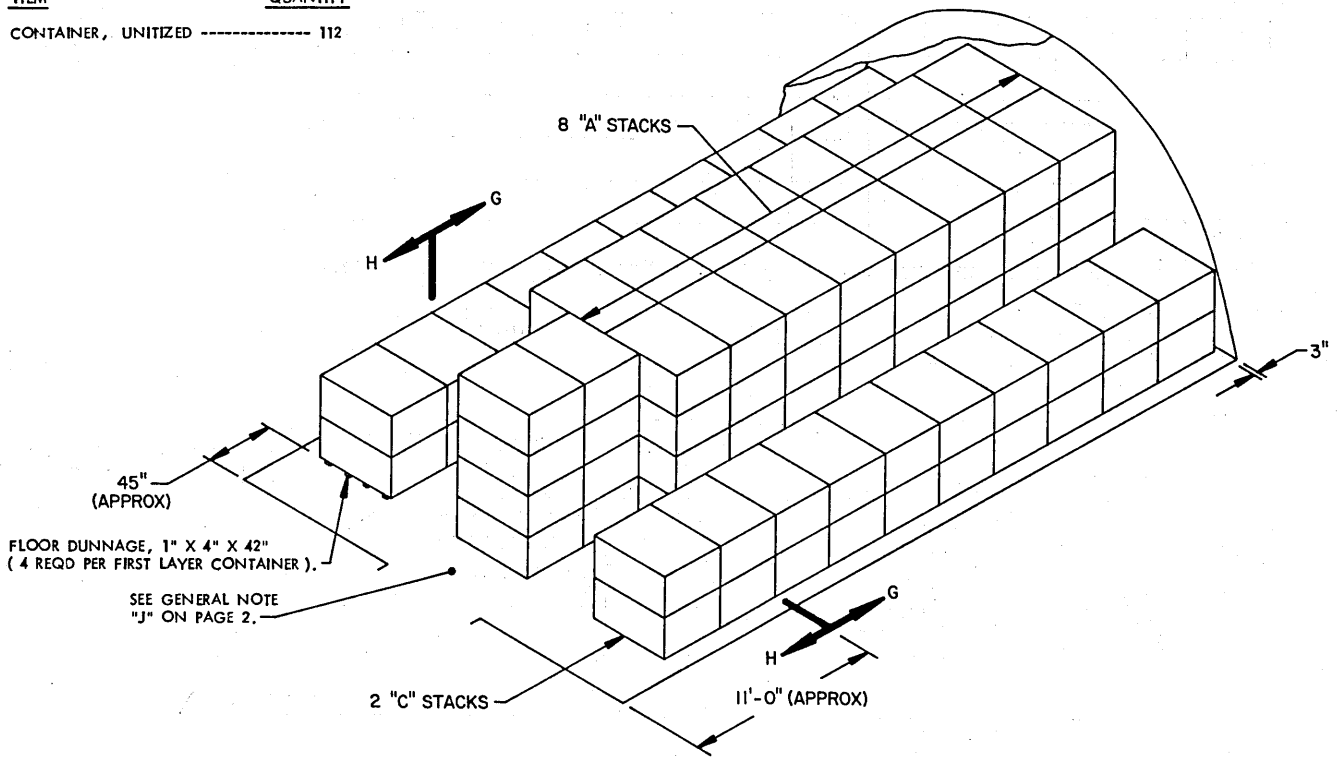
ITEM	QUANTITY
CONTAINER, UNITIZED	244



STORAGE IN 40'-0" MAGAZINE

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

ITEM QUANTITY
CONTAINER, UNITIZED ----- 112

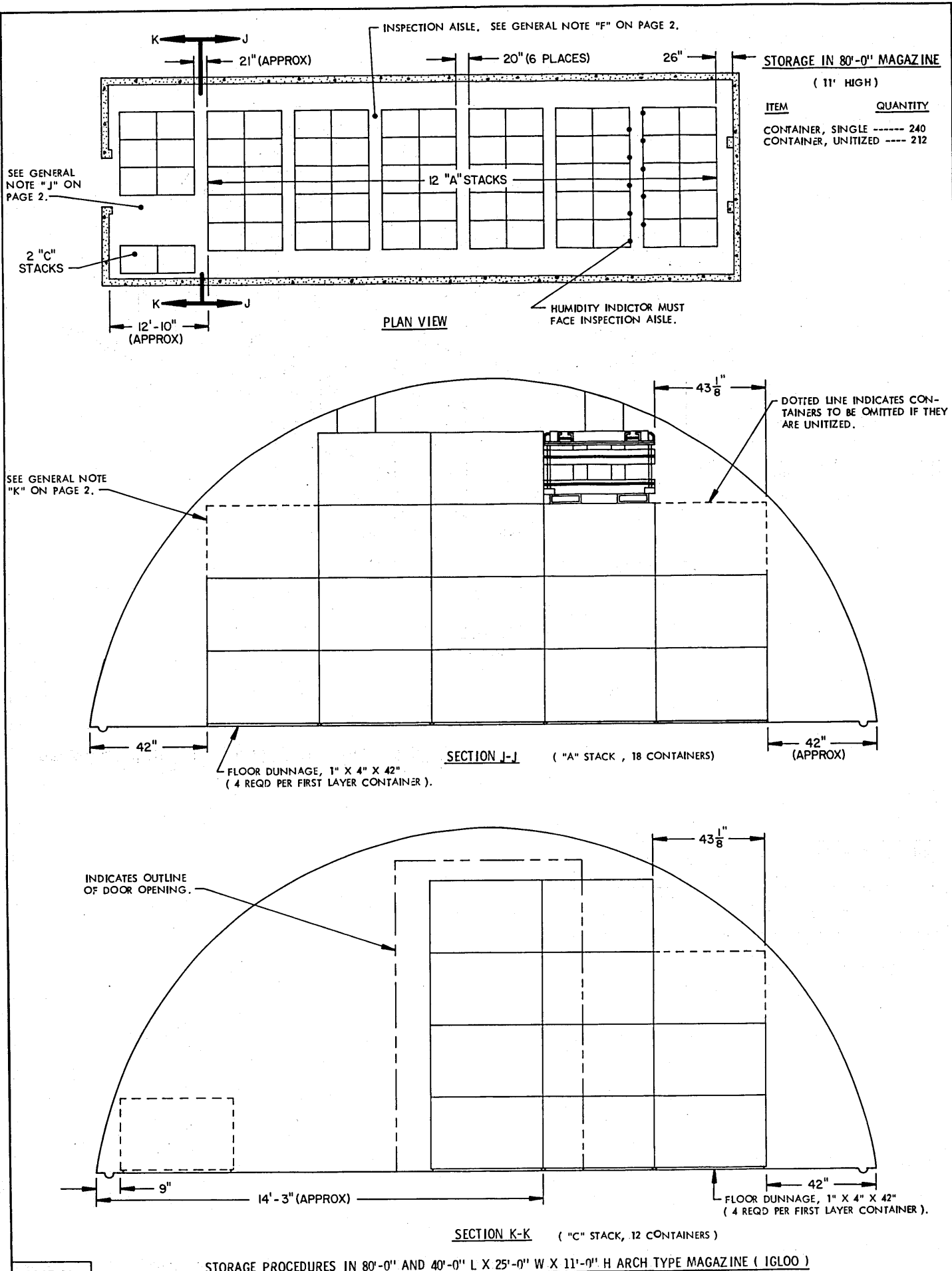


ISOMETRIC VIEW
(40' MAGAZINE)

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

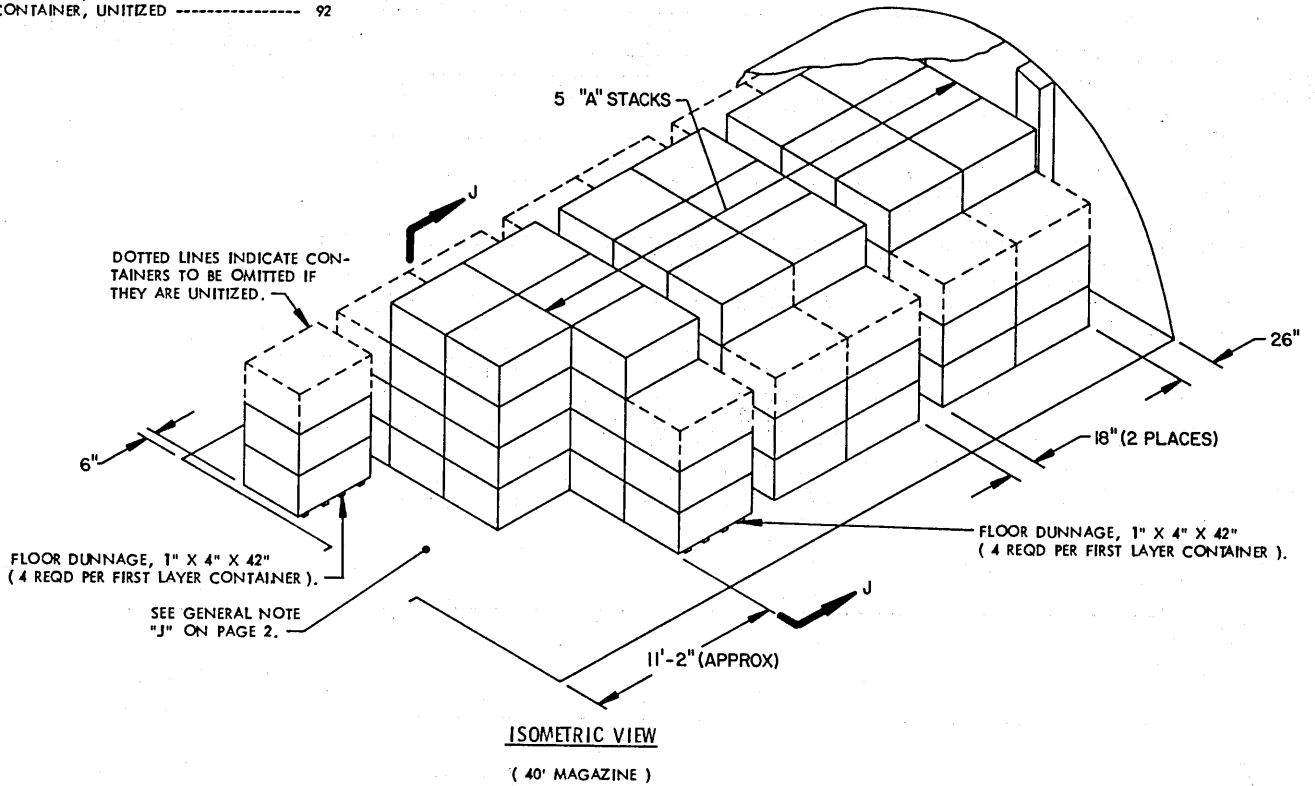
* RANDOM LENGTH PIECES MAY BE USED IF DESIRED.



STORAGE IN 40'-0" MAGAZINE

(11' HIGH)

ITEM	QUANTITY
CONTAINER, SINGLE -----	104
CONTAINER, UNITIZED -----	92



FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

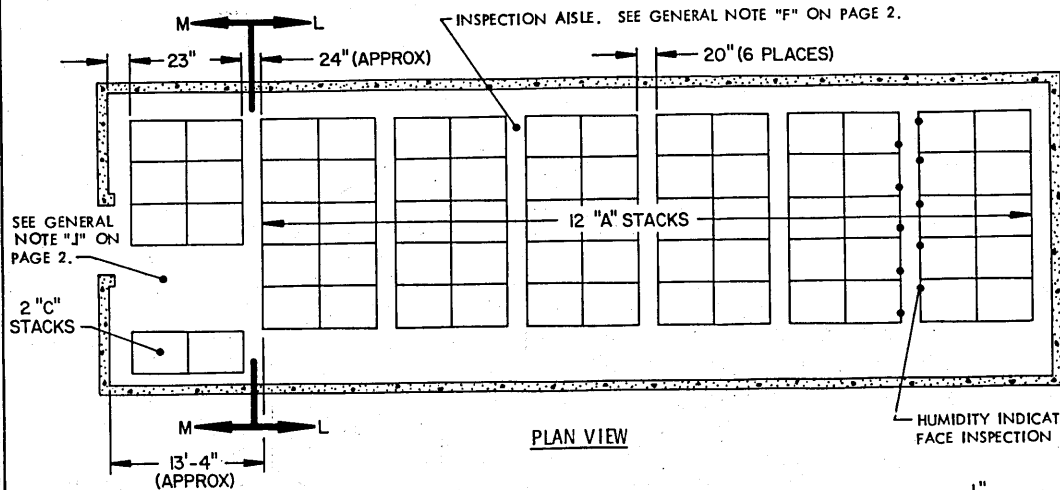
* RANDOM LENGTH PIECES MAY BE USED IF DESIRED.

STORAGE IN 80'-0" MAGAZINE

(10' HIGH)

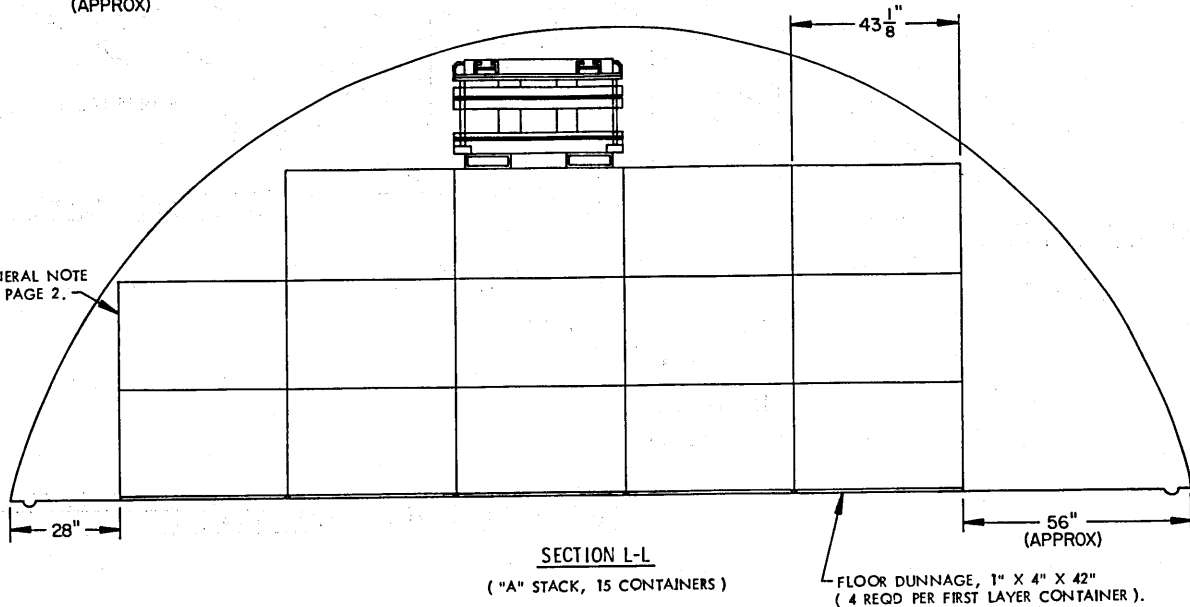
ITEM	QUANTITY
CONTAINER, 'SINGLE	----- 200

NOTE: IF THE CONTAINERS ARE UNITIZED, REFER TO THE STORAGE PROCEDURES ON PAGE 16.

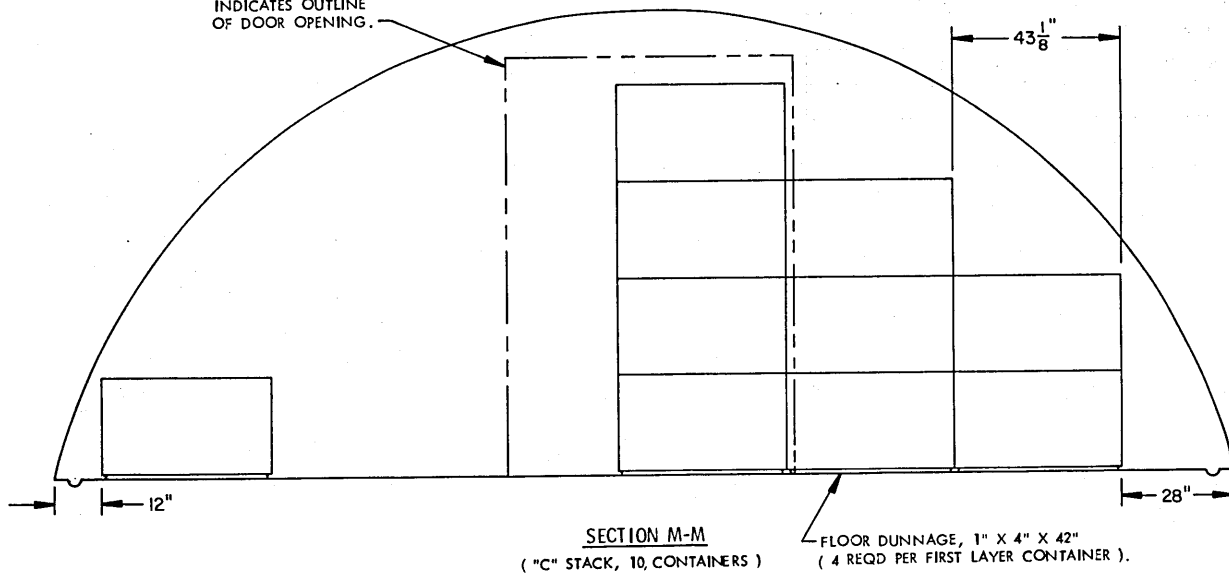


HUMIDITY INDICATOR MUST FACE INSPECTION AISLE.

SEE GENERAL NOTE "K" ON PAGE 2.



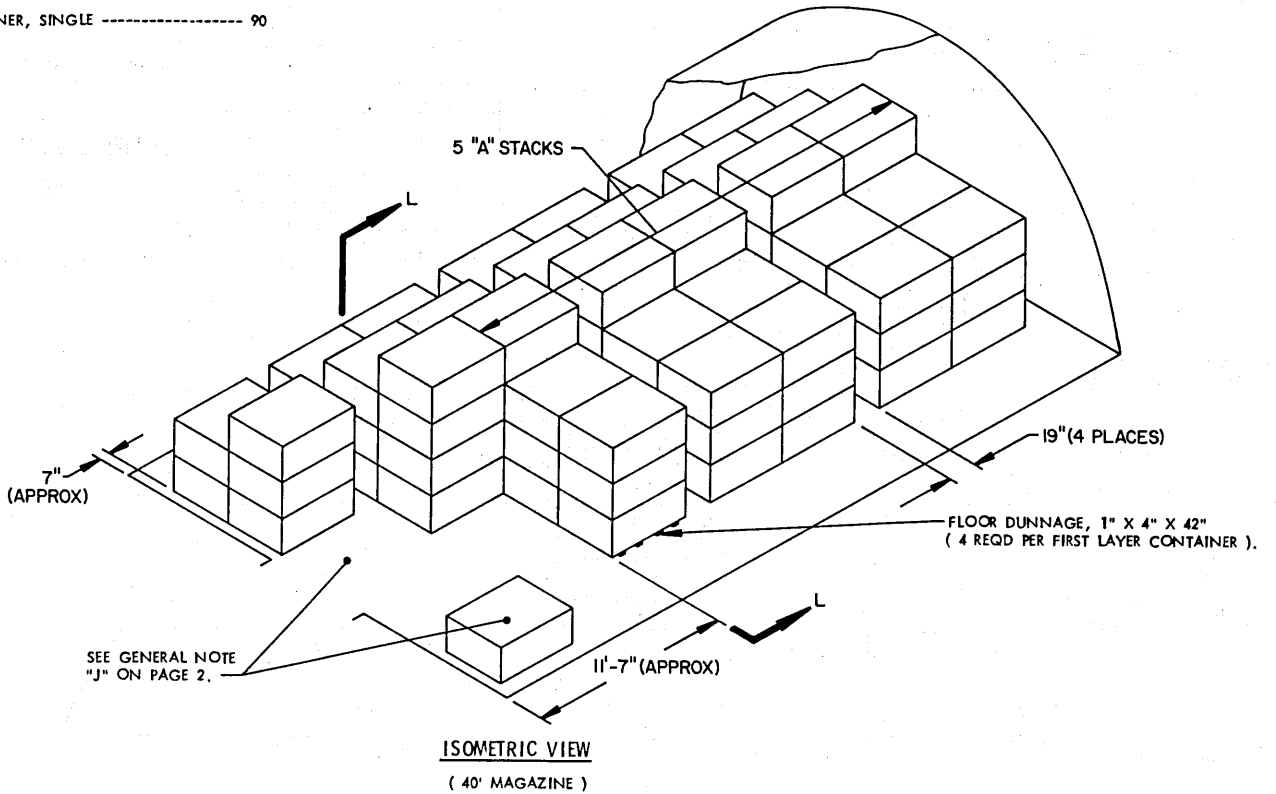
INDICATES OUTLINE OF DOOR OPENING.



STORAGE IN 40'-0" MAGAZINE

(10' HIGH)

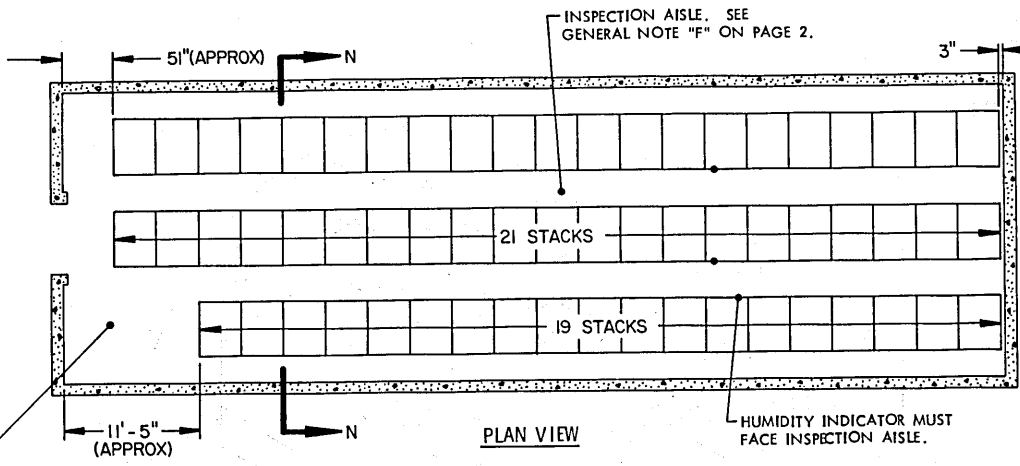
<u>ITEM</u>	<u>QUANTITY</u>
CONTAINER, SINGLE -----	90



FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
FOR "DUNNAGE PLACEMENT DETAIL ", SEE PAGE 17.

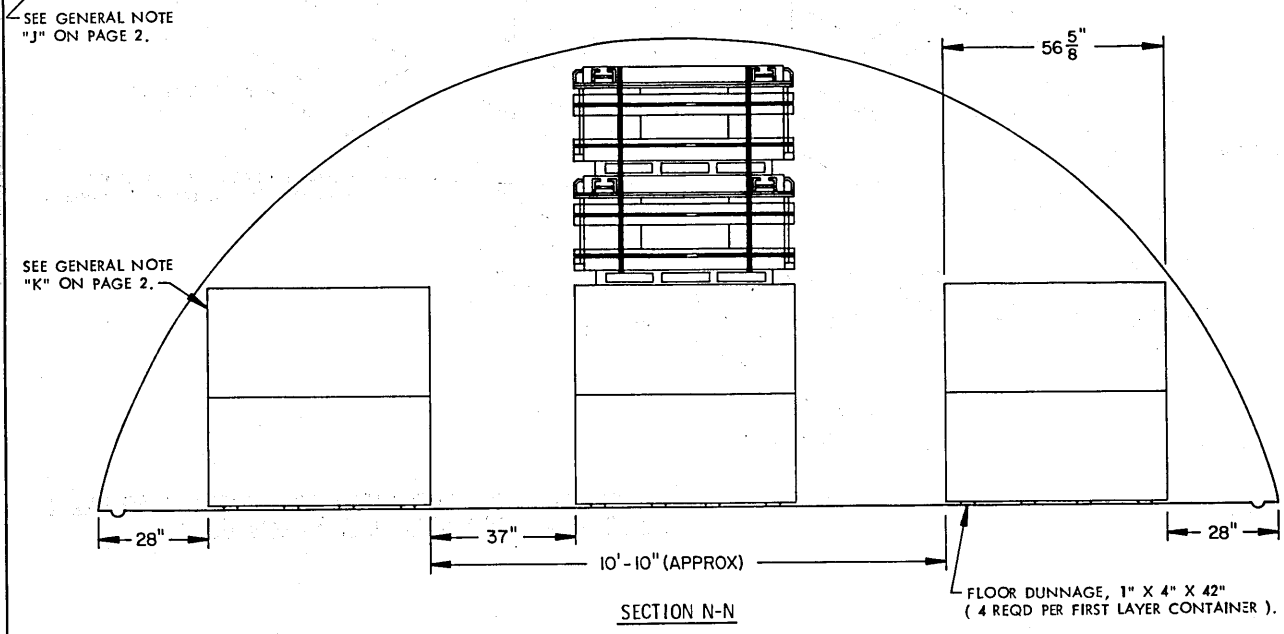
BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

* RANDOM LENGTH PIECES MAY BE USED IF DESIRED.



STORAGE IN 80'-0" MAGAZINE
 (10' HIGH)
 ITEM QUANTITY
 CONTAINER, UNITIZED ----- 164

STORAGE IN 40'-0" MAGAZINE
 (10' HIGH)
 ITEM QUANTITY
 CONTAINER, UNITIZED ----- 76



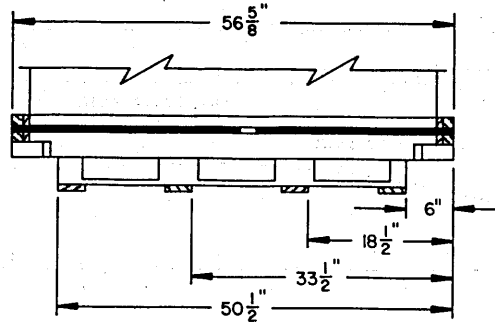
SEE GENERAL NOTE "J" ON PAGE 2.

SEE GENERAL NOTE "K" ON PAGE 2.

BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

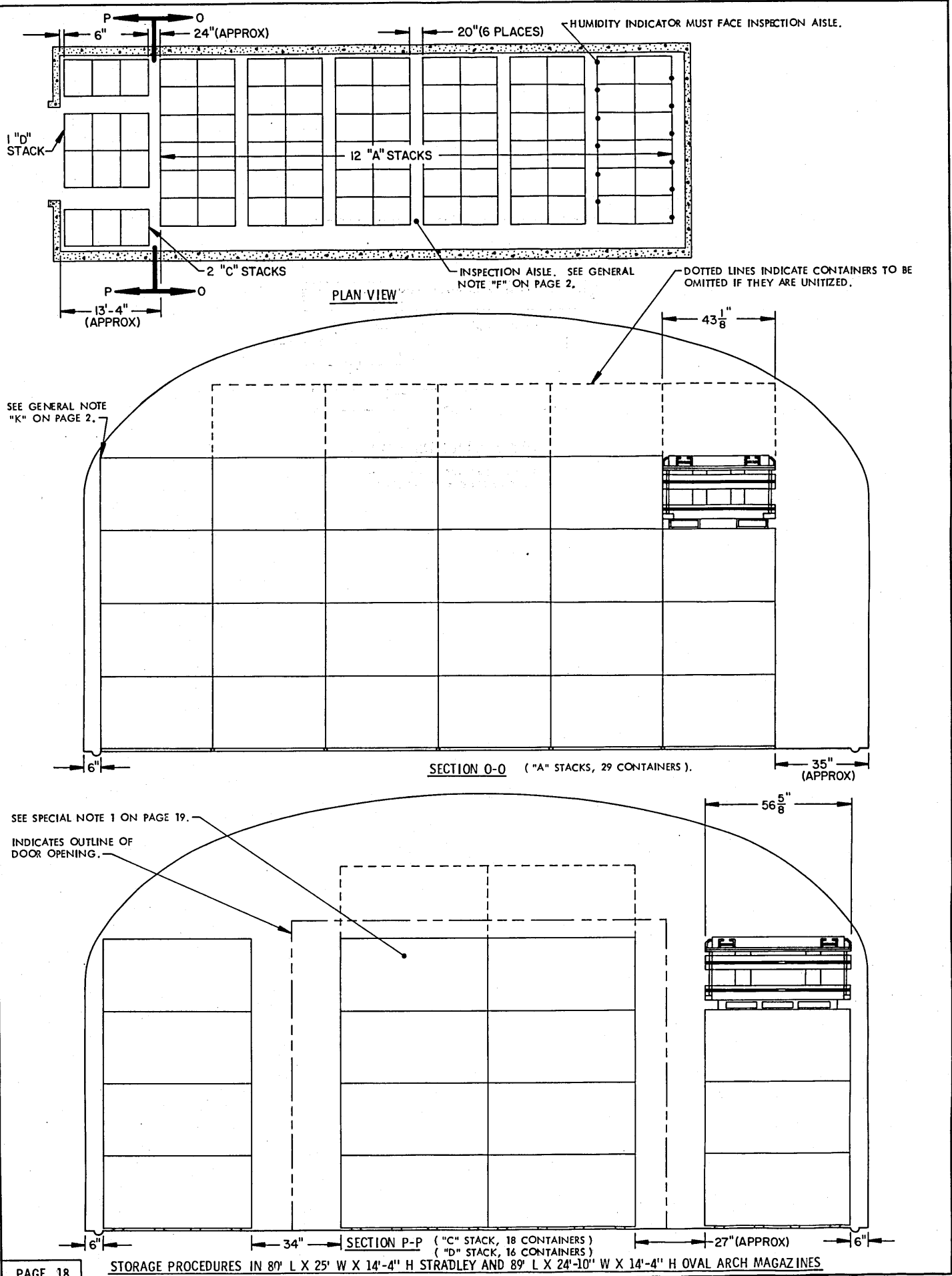
FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
 FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

* RANDOM LENGTH PIECES MAY BE USED IF DESIRED.



DUNNAGE PLACEMENT DETAIL

1" X 4" X 42" DUNNAGE LUMBER
(4 REQD PER CONTAINER STACK).



STORAGE IN STRADLEY MAGAZINE

(80' LONG)

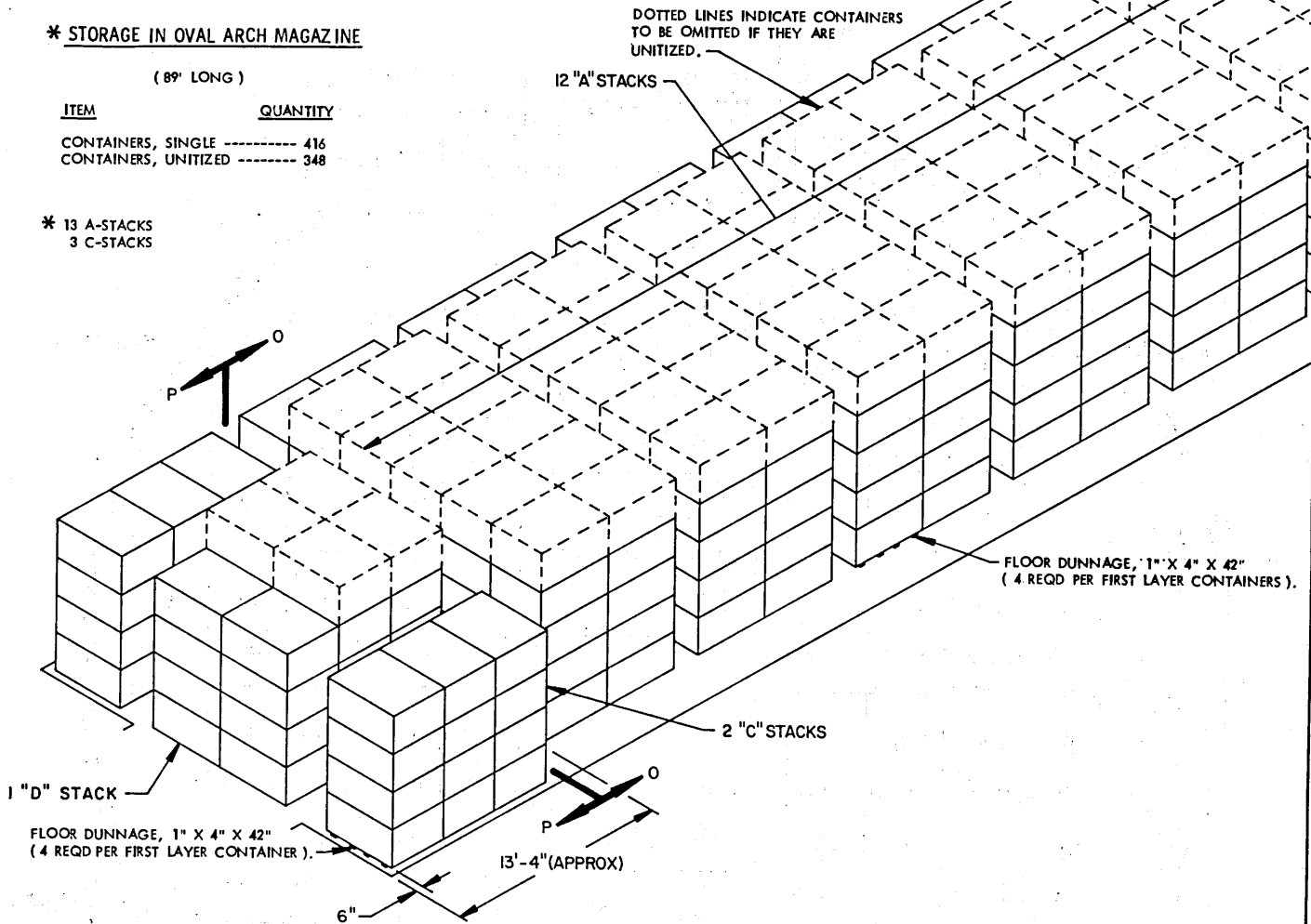
ITEM	QUANTITY
CONTAINERS, SINGLE -----	400
CONTAINERS, UNITIZED -----	336

*** STORAGE IN OVAL ARCH MAGAZINE**

(89' LONG)

ITEM	QUANTITY
CONTAINERS, SINGLE -----	416
CONTAINERS, UNITIZED -----	348

* 13 A-STACKS
3 C-STACKS



ISOMETRIC VIEW

(STRADLEY MAGAZINE)

BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1 X 4 DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

*SEE SPECIAL NOTE 2 AT RIGHT.

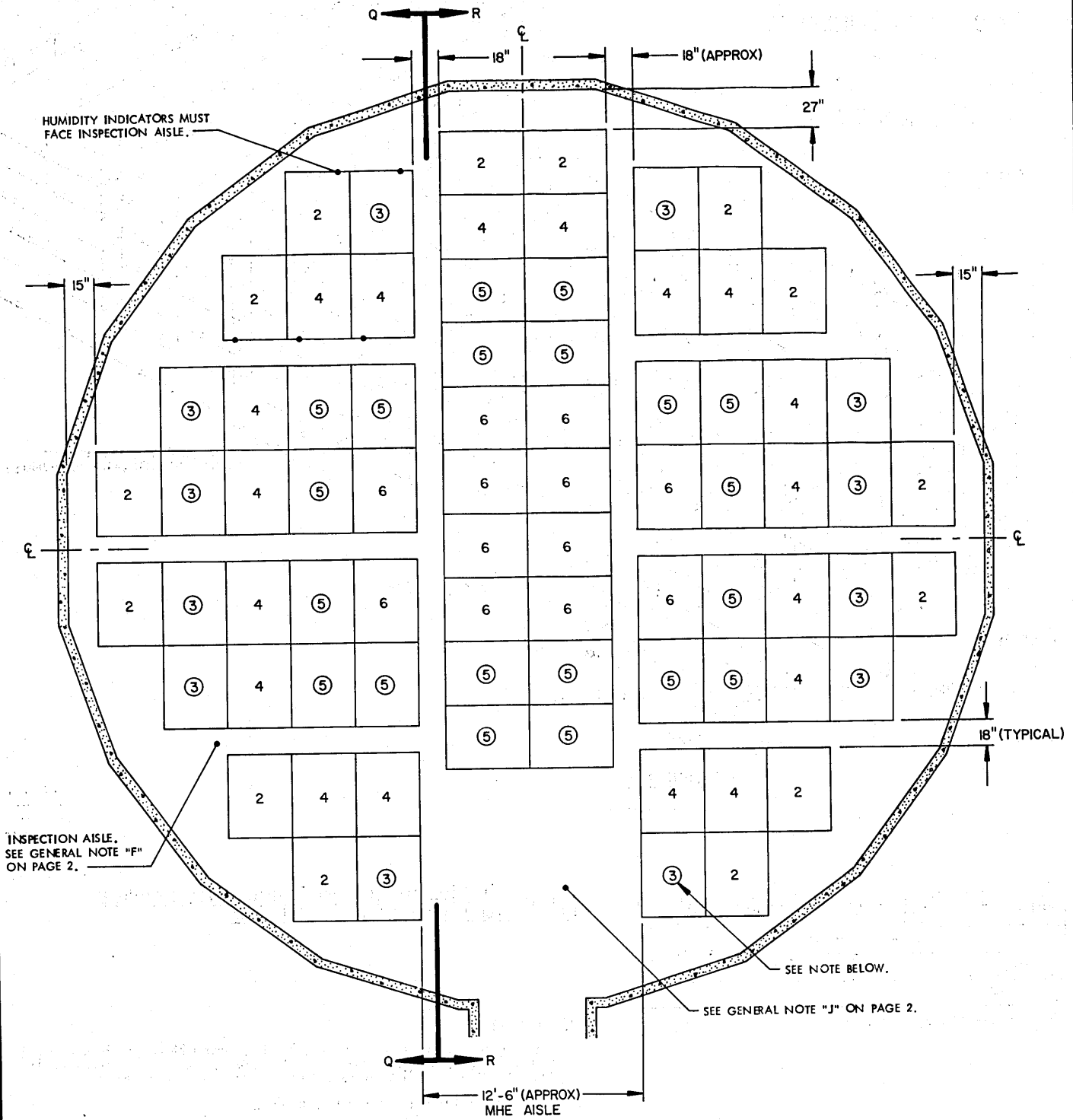
FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
FOR "DUNNAGE PLACEMENT" DETAILS, SEE PAGE 17.

SPECIAL NOTES:

1. FOR STORAGE IN OVAL ARCH MAGAZINES, ONE (1) CONTAINER STACK MAY NEED TO BE OMITTED FROM THE DOORWAY AREA OF THE MAGAZINE, BECAUSE OF THE RELATIVELY NARROW DOOR OPENING. THIS WILL REDUCE THE "C" STACK TO 13 CONTAINERS.
2. RANDOM LENGTH MATERIAL MAY BE USED IF DESIRED.

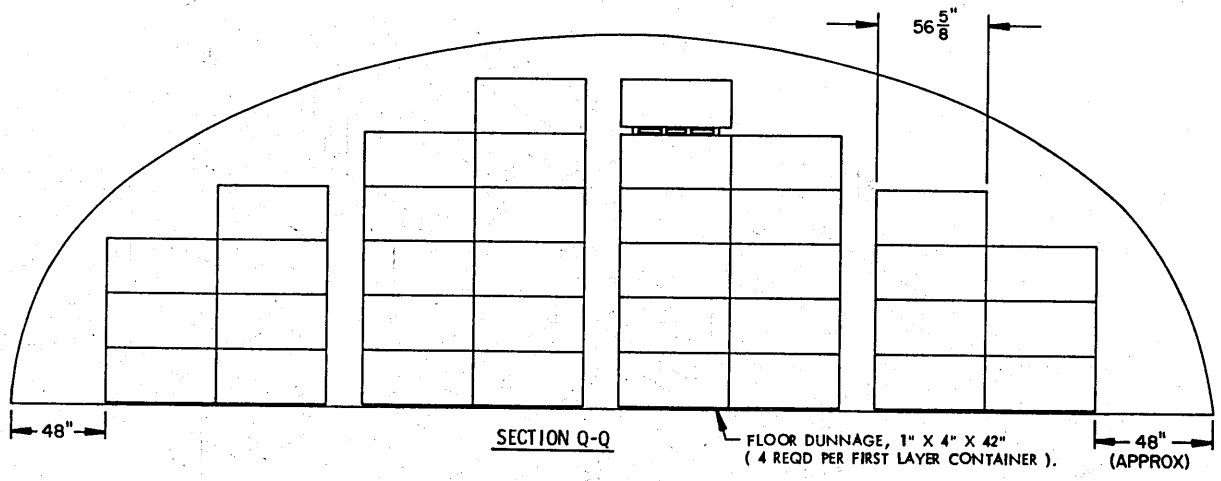
STORAGE IN 52' DIAMETER MAGAZINE

ITEM	QUANTITY
CONTAINERS, SINGLE	308
CONTAINERS, UNITIZED	276

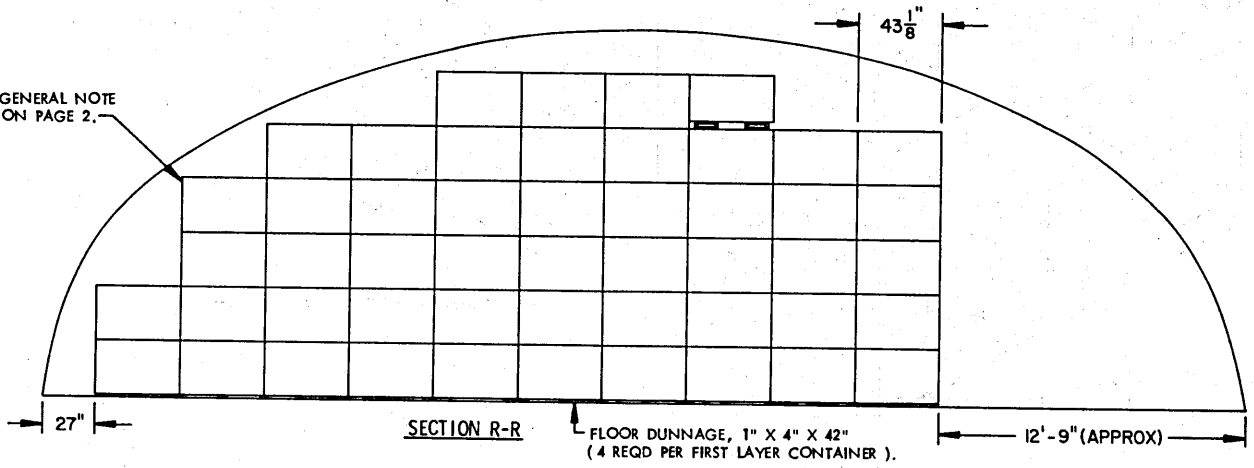


PLAN VIEW

NOTE: THE CIRCLED NUMBERS INDICATE CONTAINER STACKS WHICH WILL BE ONE (1) LESS IN HEIGHT IF THE CONTAINERS ARE UNITIZED.



SEE GENERAL NOTE "K" ON PAGE 2.



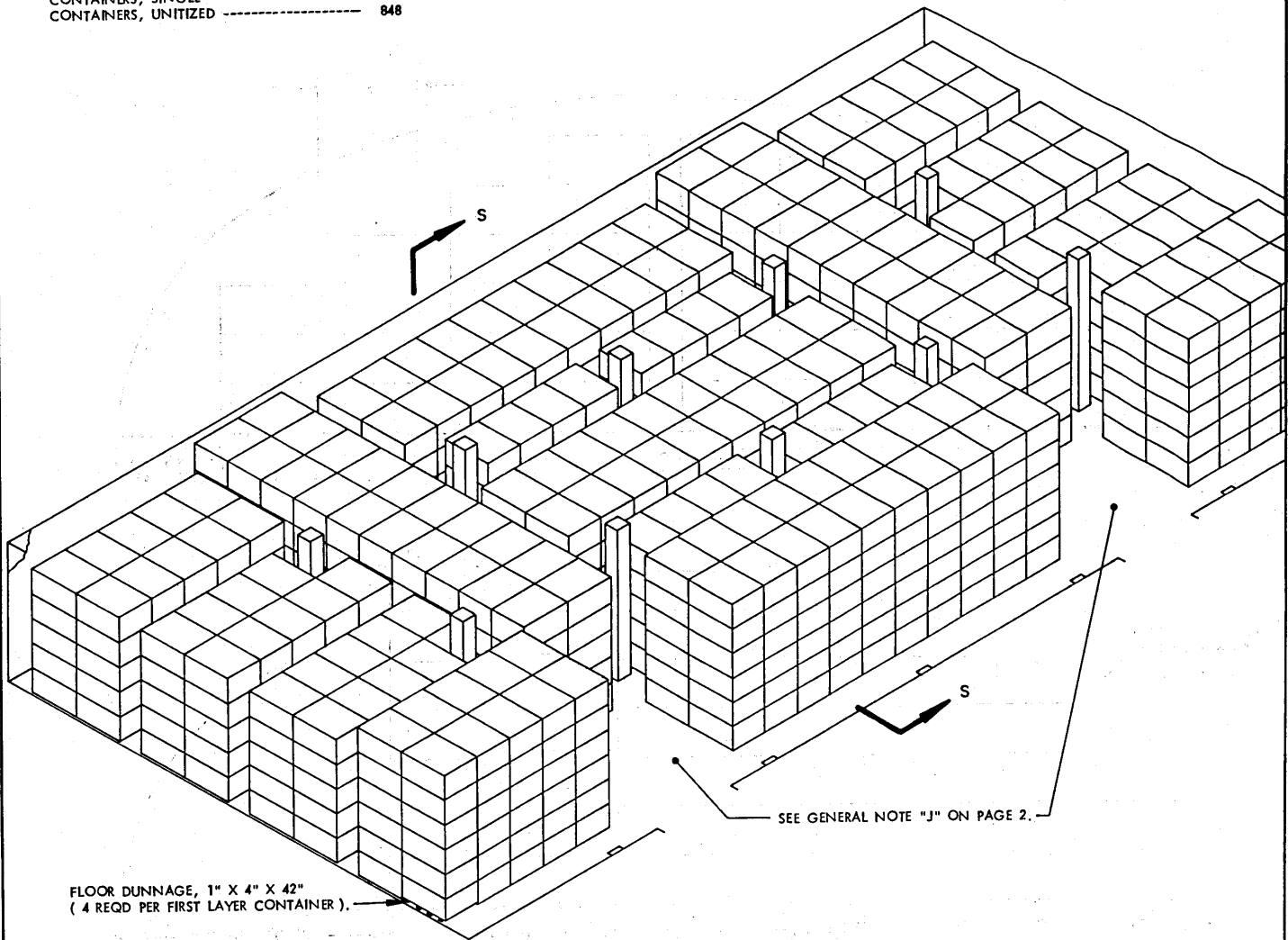
BILL OF MATERIAL (PER FIRST LAYER CONTAINER)*	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
 FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

*RANDOM LENGTH PIECES MAY BE USED IF DESIRED.

STORAGE IN 100'-8" L X 50'-0" W MAGAZINE

<u>ITEM</u>	<u>QUANTITY</u>
CONTAINERS, SINGLE -----	1000
CONTAINERS, UNITIZED -----	848



ISOMETRIC VIEW

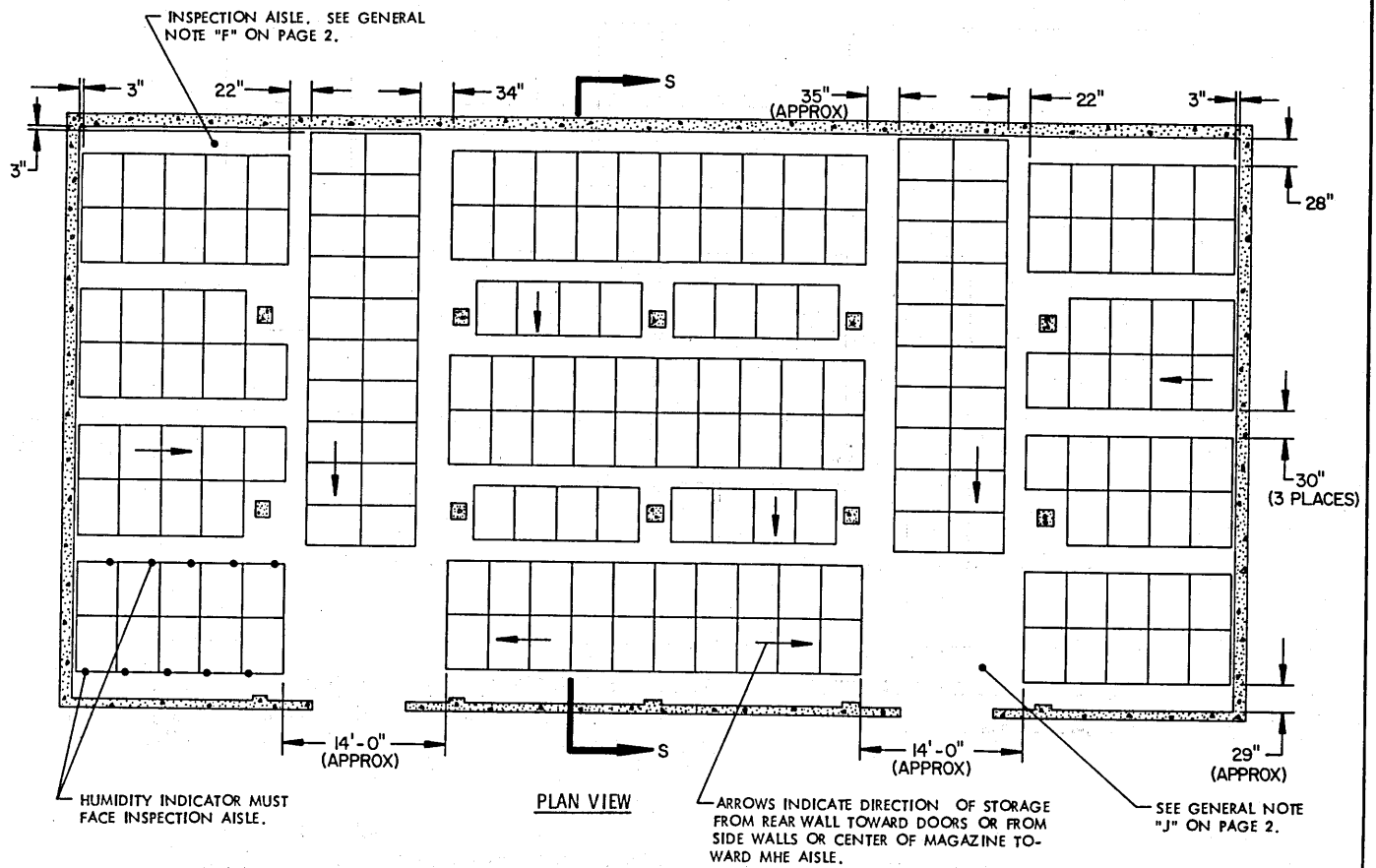
(100'-8" L X 50'-0" W MAGAZINE)

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

BILL OF MATERIAL (PER FIRST LAYER CONTAINER). *

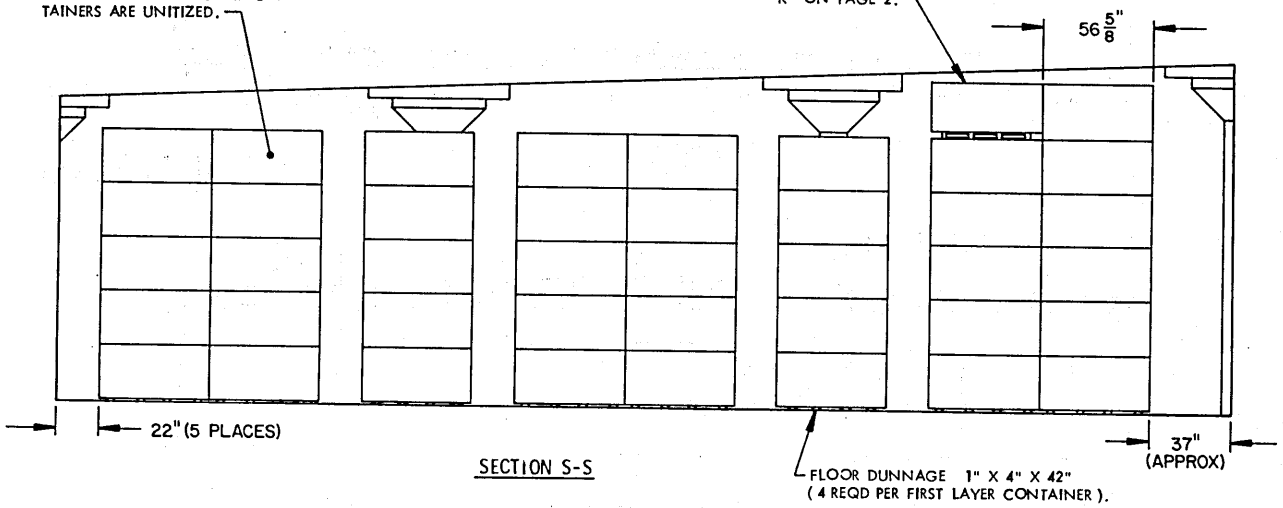
<u>1" X 4" LUMBER</u>	
<u>LINEAR FEET</u>	<u>BOARD FEET</u>
14	4.66

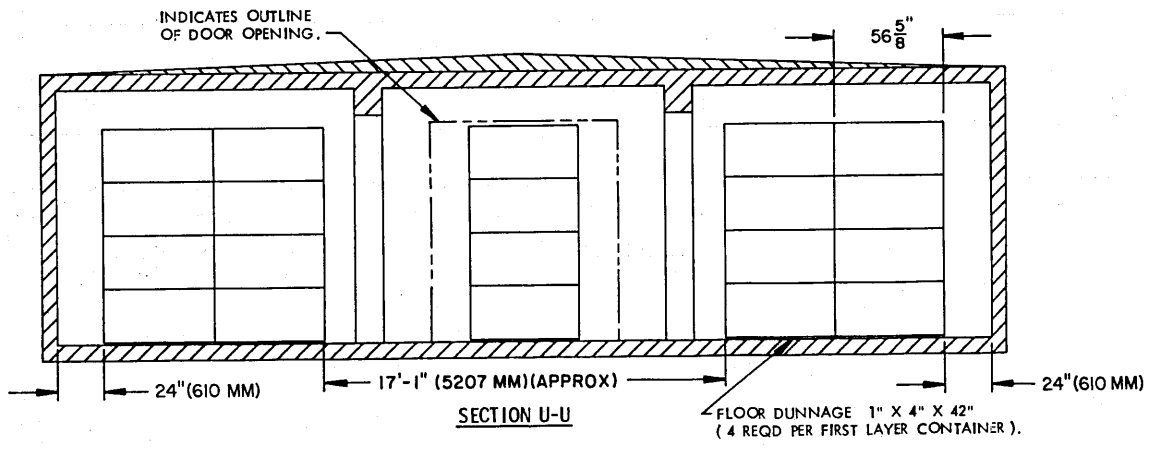
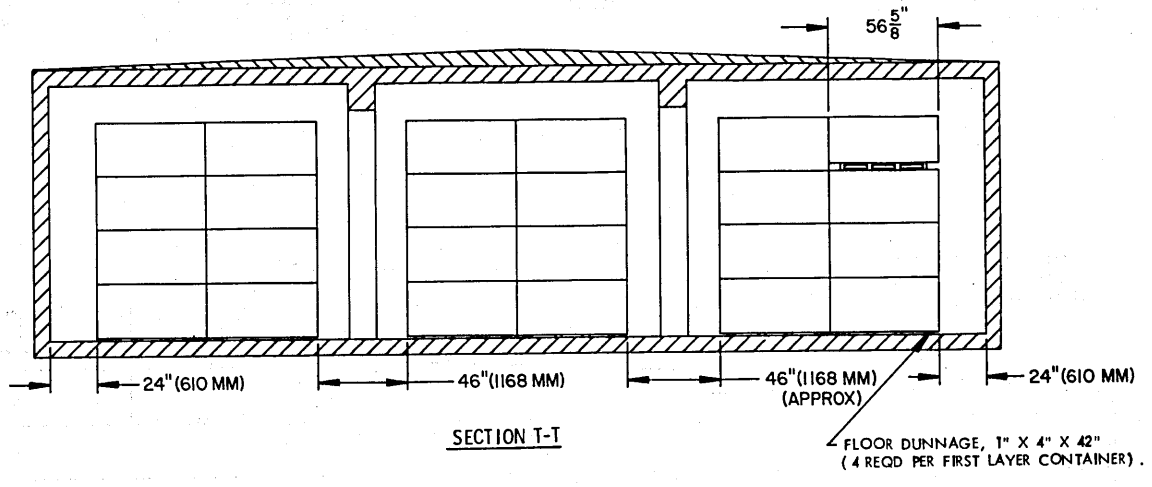
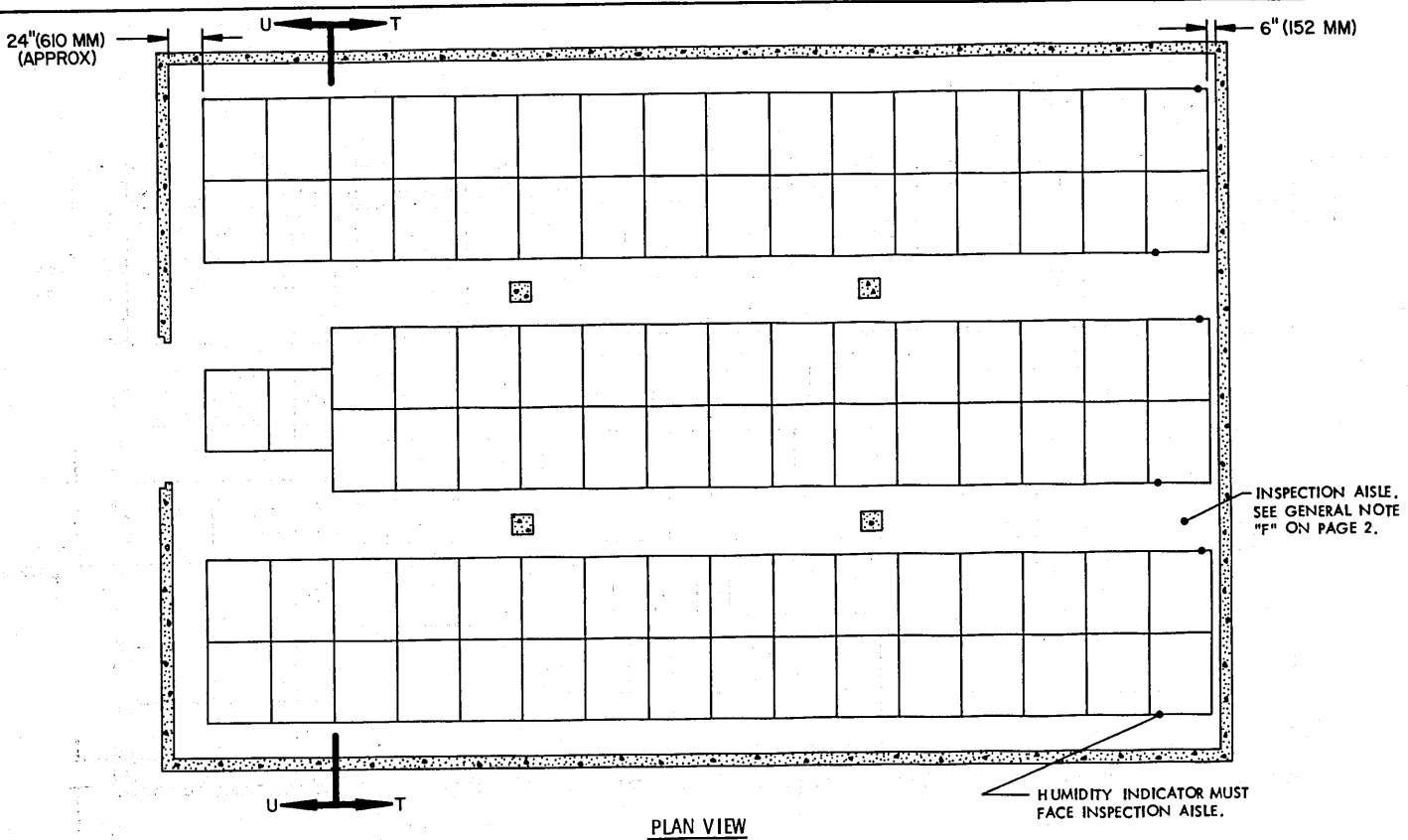
* RANDOM LENGTH PIECES MAY BE USED IF DESIRED.



NOTE: ALL 5-HIGH CONTAINER STACKS WILL BE 4-HIGH IF CONTAINERS ARE UNITIZED.

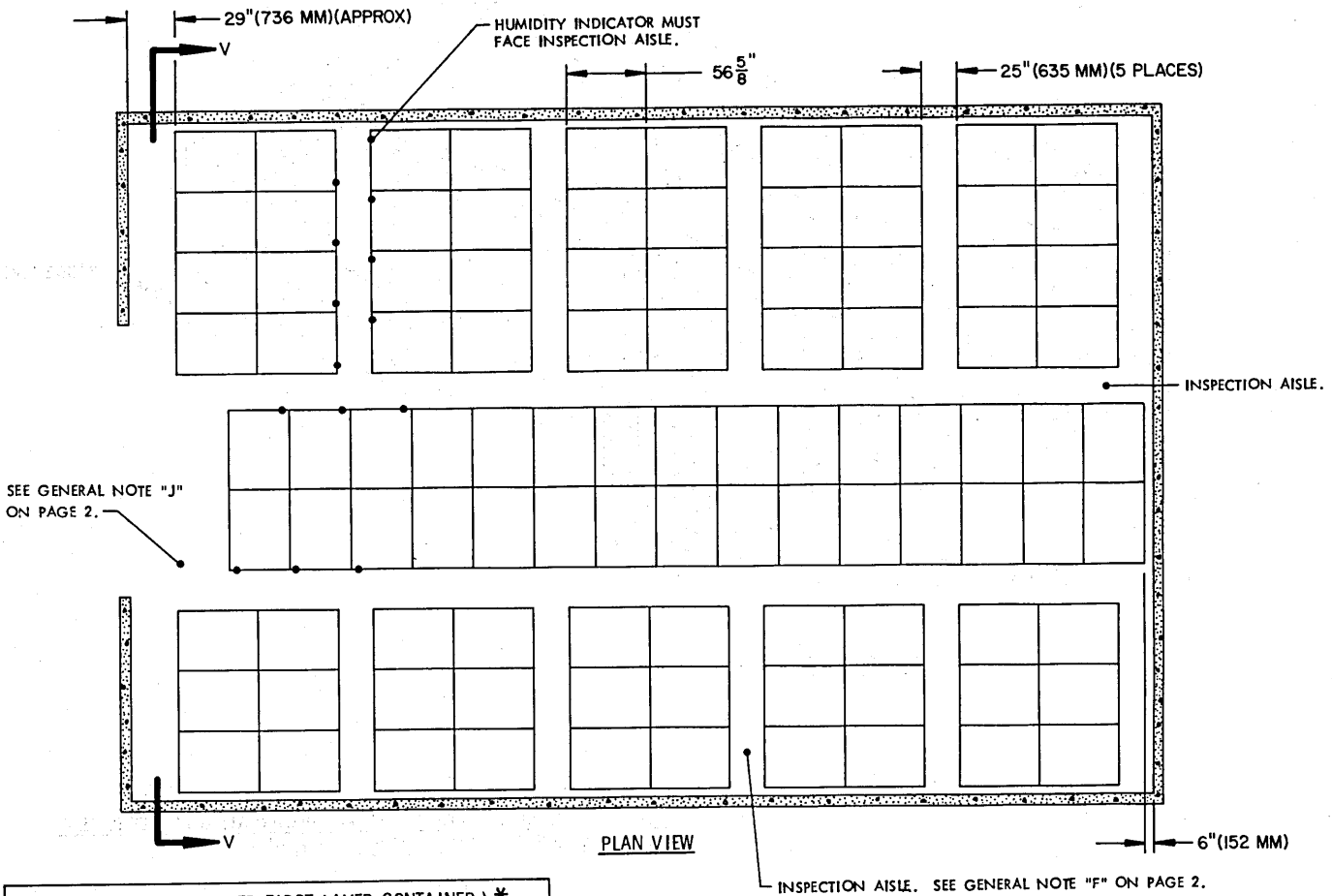
SEE GENERAL NOTE "K" ON PAGE 2.





STORAGE IN TYPE II BUNKER MAGAZINE

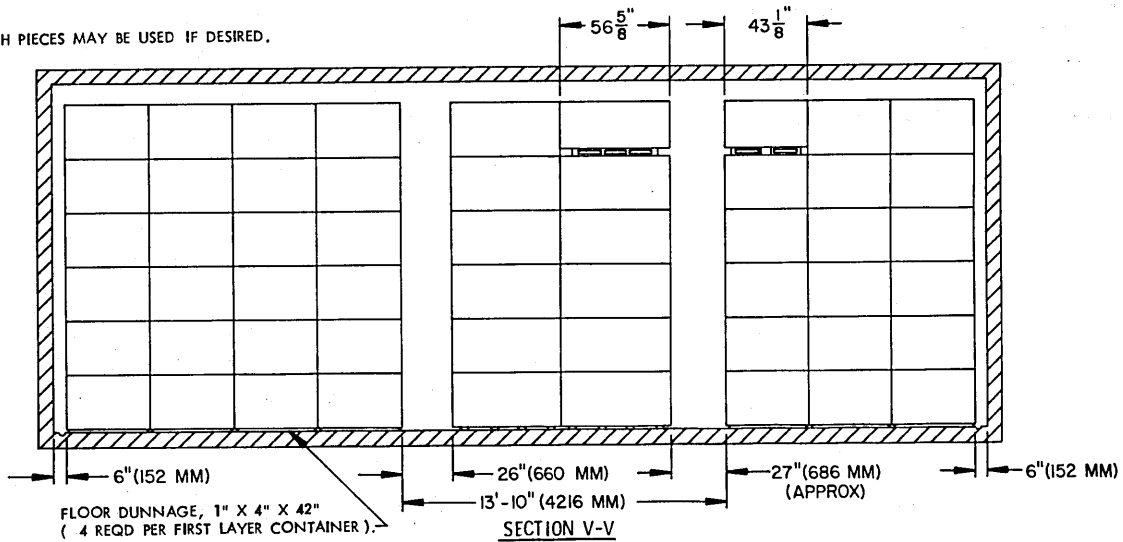
ITEM QUANTITY
CONTAINER, SINGLE OR UNITIZED ----- 600



BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

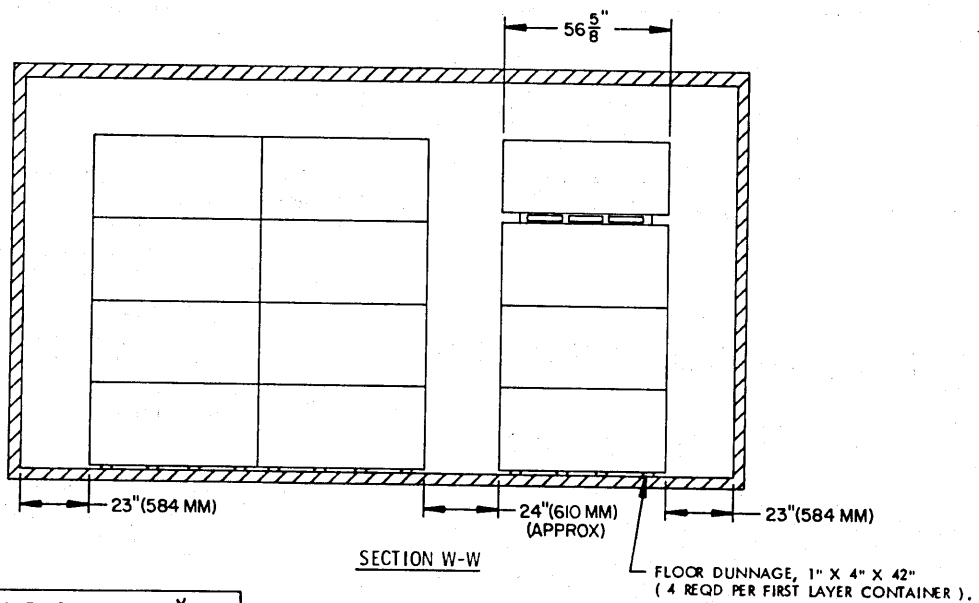
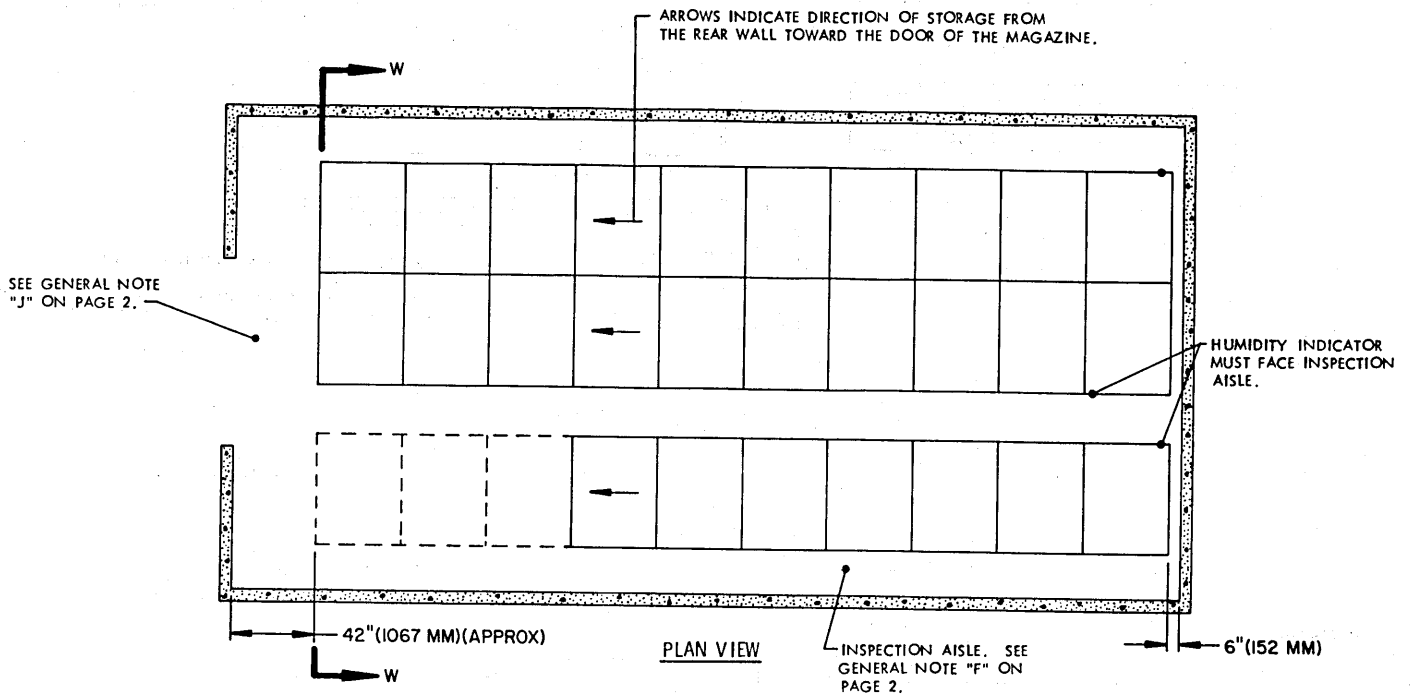
FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

* RANDOM LENGTH PIECES MAY BE USED IF DESIRED.



STORAGE IN TYPE IV BUNKER MAGAZINE

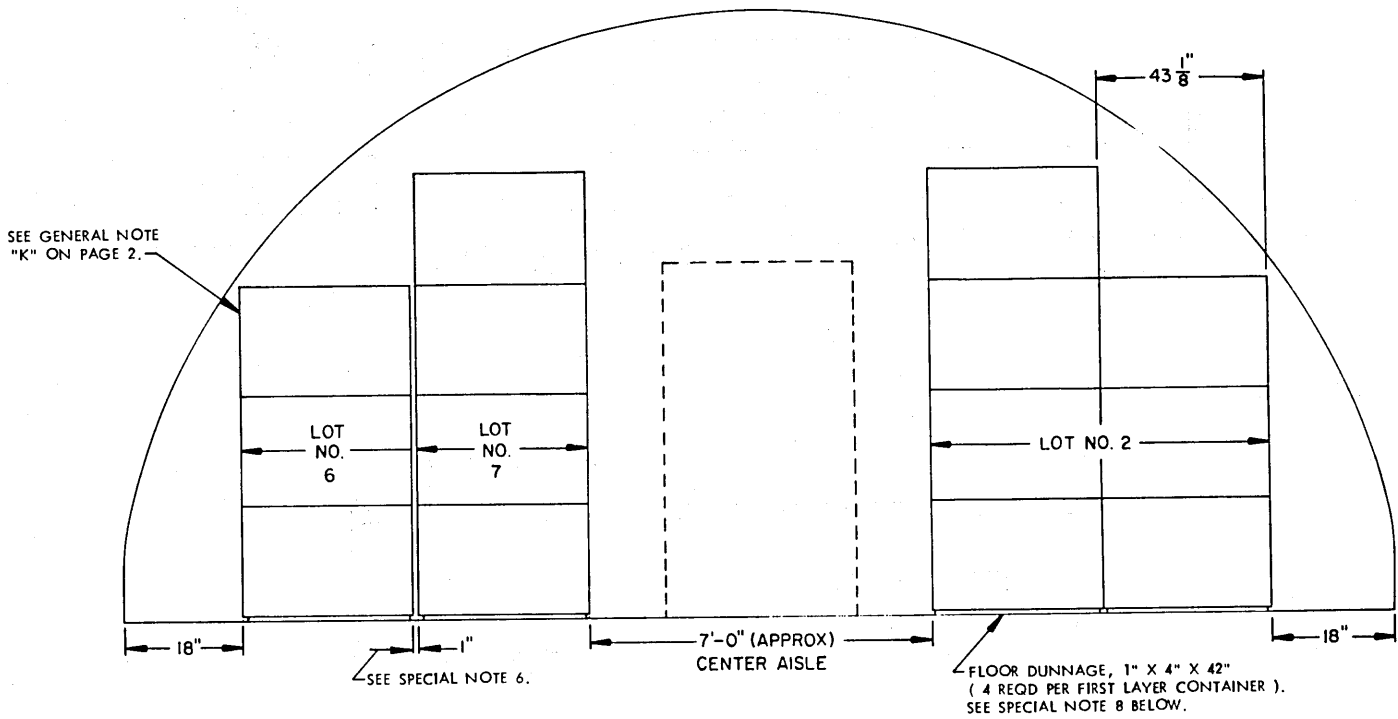
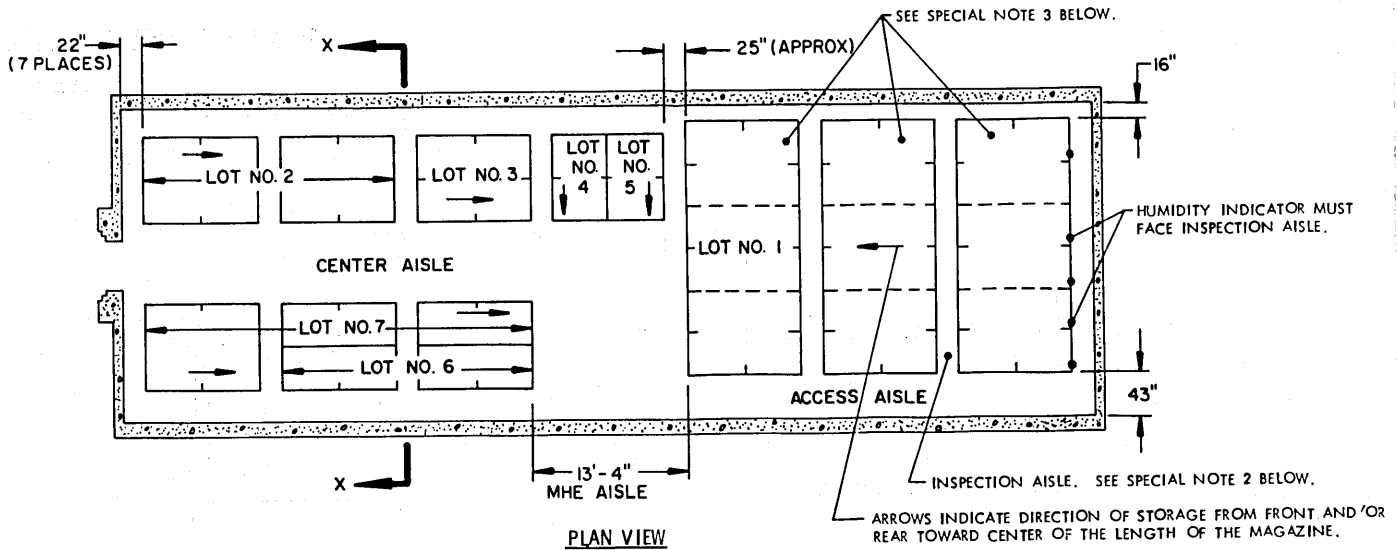
ITEM _____ QUANTITY _____
 CONTAINER ----- 120



BILL OF MATERIAL (PER FIRST LAYER CONTAINER) *	
1" X 4" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
14	4.66

FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.
 FOR "DUNNAGE PLACEMENT DETAIL", SEE PAGE 17.

*RANDOM LENGTH PIECES MAY BE USED IF DESIRED.



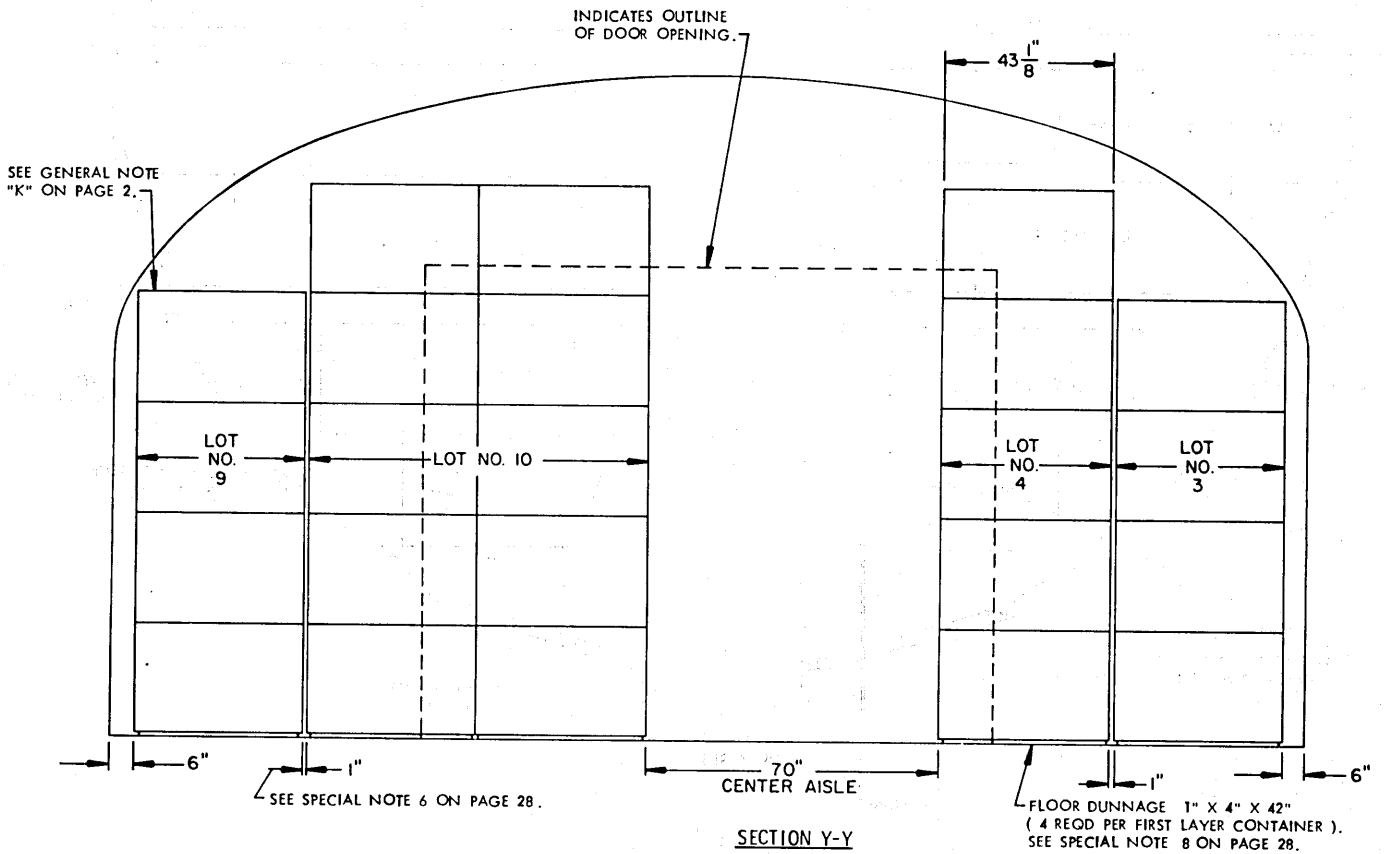
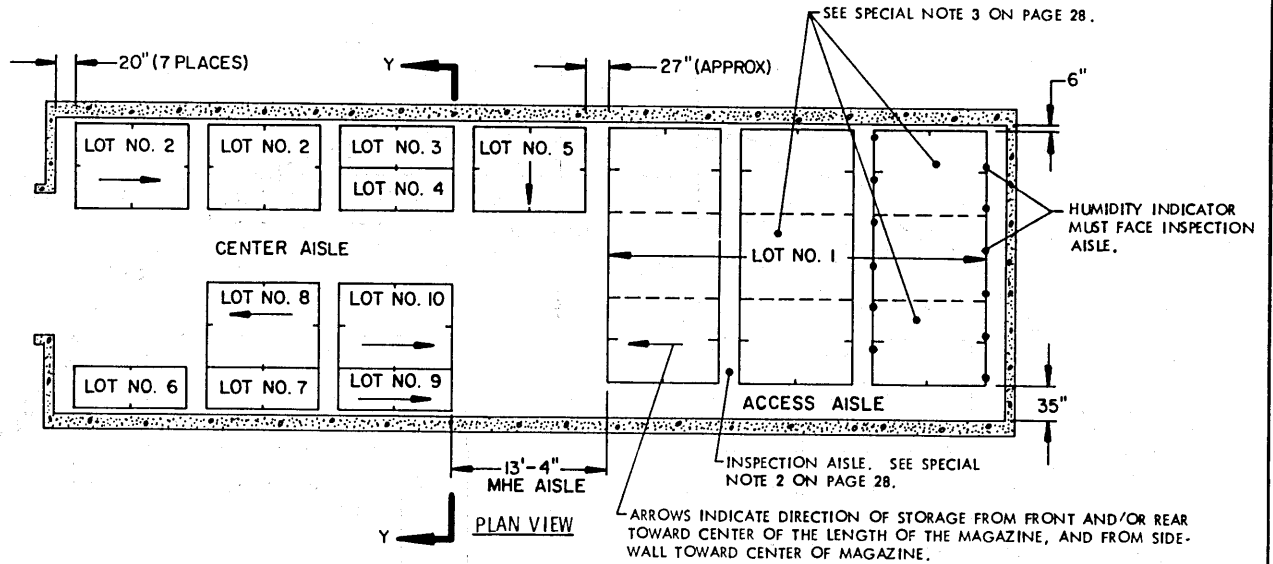
SPECIAL NOTES:

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AISLE DIMENSIONS SHOWN HEREIN MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS AND/OR AVAILABLE HANDLING EQUIPMENT, HOWEVER, AN 18" (MIN) INSPECTION AISLE MUST BE MAINTAINED FOR INSPECTION OF HUMIDITY INDICATORS.
3. GENERALLY, THE LARGEST LOT SHOULD BE STORED IN THE REAR OF THE MAGAZINE. HOWEVER, THE REAR AREA MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING STACKS SIMILAR TO THOSE SHOWN IN THE FRONTAL AREA. AN MHE AISLE WILL BE REQUIRED ON ONE SIDE OF THE MAGAZINE, AND EACH LOT MUST BE ACCESSIBLE FOR REMOVAL AND INSPECTION INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2.
4. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. A SINGLE-LOT OF CONTAINERS IS CONSIDERED "ACCESSIBLE" IF NO MORE THAN TWELVE (12) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THAT LOT. THE TERM "LIFT" MEANS HANDLING AND MOVING NOT MORE THAN TWO (2) CONTAINERS AT ONE TIME.

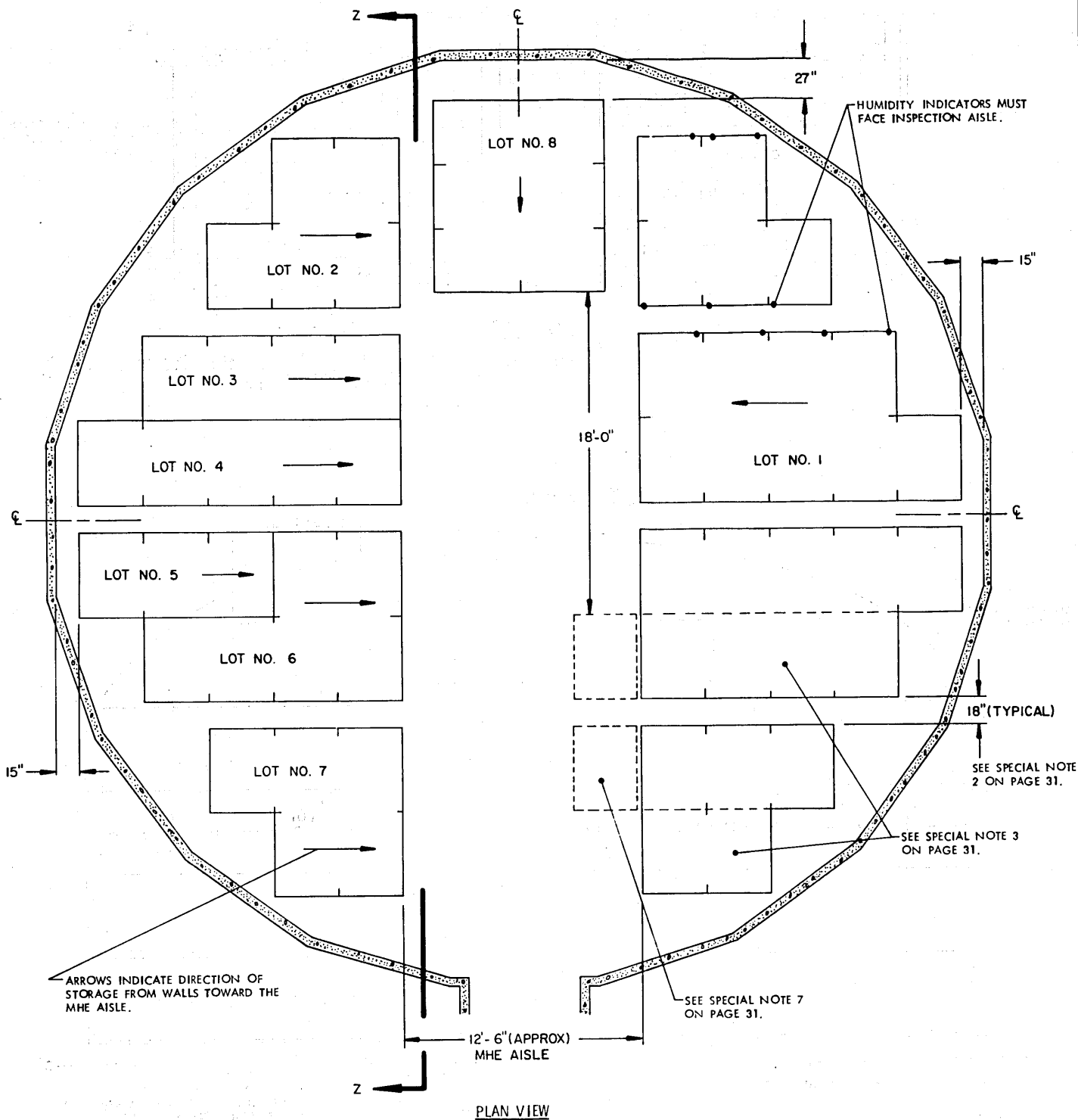
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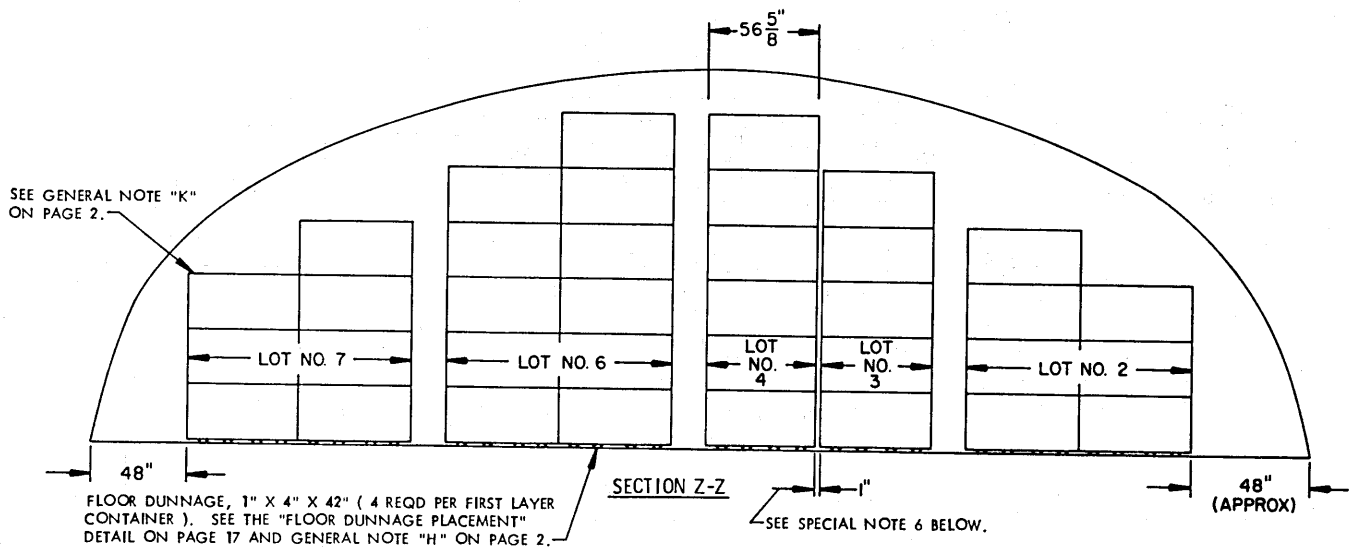
(SPECIAL NOTES CONTINUED)

5. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.
6. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
7. A 13'-4" MHE OPERATING AREA HAS BEEN SHOWN. THE MHE OPERATING AREA CAN BE ENLARGED AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON EACH SIDE OF MAGAZINE) IS TO BE AT LEAST 48 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 48 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A MAGAZINE; HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS OF STORAGE RESULTS.
8. THE LENGTH OF THE 1" X 4" FLOOR DUNNAGE WILL BE DETERMINED BY THE WIDTH OF THE LOT, OR DIRECTION OF ENTRY WITH MHE. FLOOR DUNNAGE WILL NOT EXTEND INTO AISLE.



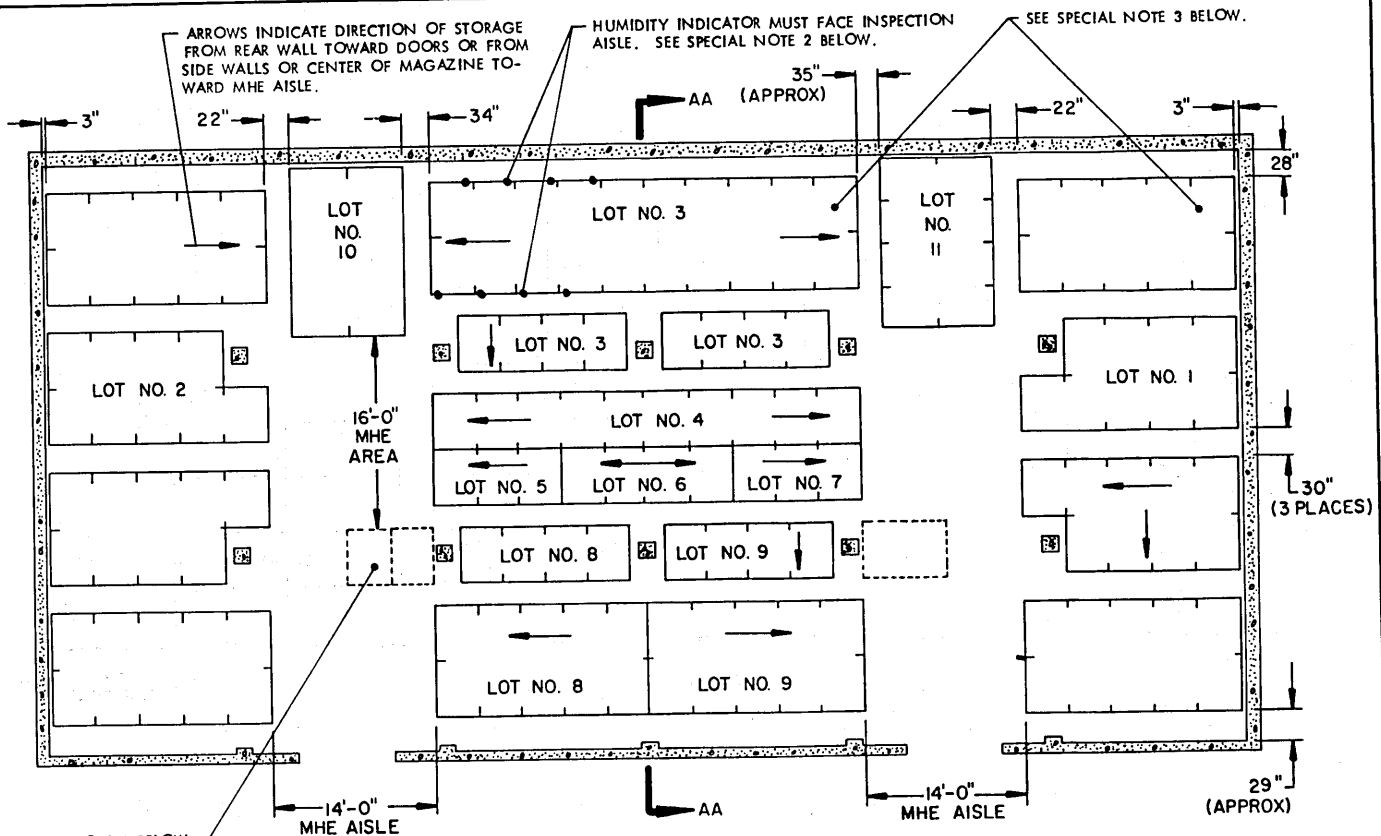
SEE SPECIAL NOTES ON PAGE 28.





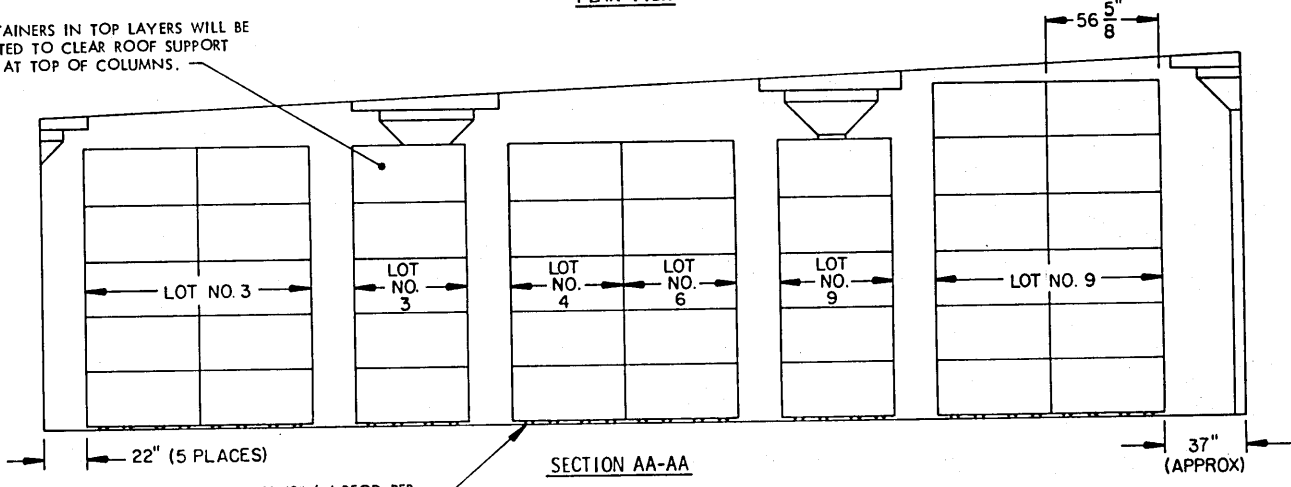
SPECIAL NOTES:

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE AND ON PAGE 30 ARE TYPICAL ONLY. ADAPPTIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED FOR INSPECTION OF HUMIDITY INDICATORS.
3. GENERALLY THE LARGEST LOT SHOULD BE STORED ON ONE SIDE OF THE MAGAZINE. HOWEVER, BOTH SIDES MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING ROWS SIMILAR TO THOSE SHOWN ON THE LEFT SIDE. EACH ADDITIONAL LOT MUST BE ACCESSIBLE FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2.
4. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. CONTAINERS OF A SINGLE-LOT ARE CONSIDERED "ACCESSIBLE" IF NO MORE THAN TWELVE (12) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THE SINGLE-LOT CONTAINERS. A "LIFT" MAY CONSIST OF ONE (1) OR TWO (2) CONTAINERS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
5. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE WALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.
6. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
7. AREAS INCLOSED BY DOTTED LINES INDICATE LOCATIONS WHERE ADDITIONAL LOTS MAY BE STORED OR WHERE ADDITIONAL ITEMS MAY BE STORED, THAT ARE FROM A LOT OR LOTS ADJACENT TO THE MHE AISLE. COMPLIANCE WITH ALL OF THE MULTIPLE-LOT CRITERIA AS SET FORTH ON THIS PAGE MUST BE OBSERVED. THE SIZE OF THE LOTS BEING STORED AND THE CRITERIA OF SPECIAL NOTE 4, RELATIVE TO "12 LIFTS", WILL BE MAJOR FACTORS IMPACTING ON THE NUMBER OF CONTAINERS THAT CAN BE STORED IN AN "ADDITIONAL STORAGE LOCATION". MORE OR FEWER STACKS THAN SHOWN MAY BE STORED AT ANY ONE OF THE ADDITIONAL STORAGE LOCATIONS. AN 18 FOOT MHE OPERATING AREA HAS BEEN SPECIFIED FOR ACCESS TO EACH "ADDITIONAL LOCATION" BY FORKLIFT TRUCK. THIS OPERATING AREA IS BASED ON REQUIREMENTS OF FORKLIFT TRUCKS COMMONLY USED IN STORAGE MAGAZINES. THE MHE OPERATING AREA CAN BE ENLARGED AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON ONE SIDE OF A MAGAZINE AND AN "ADDITIONAL STORAGE LOCATION") IS TO BE AT LEAST 66 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 66 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A MAGAZINE; HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS IN STORAGE RESULTS.



PLAN VIEW

CONTAINERS IN TOP LAYERS WILL BE OMITTED TO CLEAR ROOF SUPPORT CAPS AT TOP OF COLUMNS.



SECTION AA-AA

FLOOR DUNNAGE, 1" X 4" X 42" (4 REQD PER FIRST LAYER CONTAINERS. SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 17, AND GENERAL NOTE "H" ON PAGE 2.

SPECIAL NOTES:

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY. ADAPIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED FOR INSPECTION OF HUMIDITY INDICATORS.
3. GENERALLY, THE LARGEST LOT SHOULD BE STORED IN THE REAR OR ON ONE SIDE OF THE MAGAZINE. HOWEVER, THESE AREAS MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING ROWS SIMILAR TO THOSE SHOWN IN THE SMALLER SIZED LOTS. EACH ADDITIONAL LOT MUST BE ACCESSIBLE FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2.
4. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. CONTAINERS OF A SINGLE-LOT ARE CONSIDERED "ACCESSIBLE" IF NO MORE THAN TWENTY-FOUR (24) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THE SINGLE-LOT. A "LIFT" MAY CONSIST OF ONE (1) OR TWO (2) CONTAINERS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.

(SPECIAL NOTES CONTINUED)

5. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
6. AREAS INCLOSED BY DOTTED LINES INDICATE LOCATIONS WHERE ADDITIONAL LOTS MAY BE STORED OR WHERE ADDITIONAL ITEMS MAY BE STORED, THAT ARE FROM A LOT OR LOTS ADJACENT TO THE MHE AISLE. COMPLIANCE WITH ALL OF THE MULTIPLE-LOT CRITERIA AS SET FORTH ON THIS PAGE MUST BE OBSERVED. THE SIZE OF THE LOTS BEING STORED AND THE CRITERIA OF SPECIAL NOTE 4, RELATIVE TO "24 LIFTS", WILL BE MAJOR FACTORS IMPACTING ON THE NUMBER OF CONTAINERS THAT CAN BE STORED IN AN "ADDITIONAL STORAGE LOCATION". MORE OR FEWER STACKS THAN SHOWN MAY BE STORED AT ANY ONE OF THE ADDITIONAL STORAGE LOCATIONS. A 16-FOOT MHE OPERATING AREA HAS BEEN SPECIFIED FOR ACCESS TO EACH "ADDITIONAL LOCATION" BY FORKLIFT TRUCK. THIS OPERATING AREA IS BASED ON REQUIREMENTS OF FORKLIFT TRUCKS COMMONLY USED IN STORAGE MAGAZINES. THE MHE OPERATING AREA CAN BE ENLARGED AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS. AN MHE AISLE (SPACE BETWEEN STORED CONTAINERS) IS TO BE AT LEAST 66 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 66 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A MAGAZINE; HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS IN STORAGE RESULTS.

(CONTINUED AT RIGHT)

TYPICAL MULTIPLE-LOT STORAGE IN RECTANGULAR MAGAZINE