

STORAGE IN APPROVED MAGAZINES OF COMPLETE ROUNDS* PACKED IN CYLINDRICAL METAL CONTAINERS ON 4-WAY ENTRY PALLETS

M159 SERIES CONTAINER

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81'-2" L X 26'-6" W X 12'-1-3/4" H ARCH TYPE MAGAZINE - - - - -	6,7 - - -	26,27
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CORBETTA MAGAZINE - - - - -	48,49 - - -	48,49
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THIS DRAWING SUPERSEDES PART OF DRAWING
19-48-4145-1-2-3-4-14-22PM1003, DATED APRIL
1981, AS PERTAINS TO M159 SERIES CONTAINERS.

U. S. ARMY MATERIEL COMMAND DRAWING			
APPROVED, U.S. ARMY INDUSTRIAL OPERATIONS COMMAND <i>David A. Piskovich</i> AMSTA-AR-ESK	DRAFTSMAN	D. WHITMORE	
	ENGINEER	M. DAEUMER	
	SUPPLY ENGINEERING DIVISION		<i>[Signature]</i>
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND <i>Gary W. C. [Signature]</i>	LOGISTICS ENGINEERING OFFICE		<i>Thomas J. [Signature]</i>
AUGUST 1991			
U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	CLASS	DIVISION	DRAWING
REVISION NO. 1	19	48	4145/3
SEE REVISION LISTING ON PAGE 2			FILE 1-2-3-4- 14-22PM 1003

DO NOT SCALE

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 HEREIN ARE APPLICABLE TO COMPLETE ROUNDS PACKED IN M159 SERIES CONTAINERS ON 35" BY 45-1/2" AND ON 40" BY 48" WOODEN PALLET. FOR DETAIL OF THE PALLET UNITS, SEE PAGE 3.
- C. 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 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 FOLLOWED.
- D. 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.
- E. STORED PALLET UNITS MUST NOT CONTACT THE WALLS OF A MAGAZINE. TO PROVIDE FOR THIS MANDATORY CLEARANCE REQUIREMENT, UNITS MAY BE ELIMINATED FROM THE DEPICTED STORAGE PATTERN AS NECESSARY.
- F. AISLE DIMENSIONS SHOWN FOR STORAGE PROCEDURES IN MAGAZINES MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS, VARIATIONS IN PALLET UNIT DIMENSIONS, AND/OR AVAILABLE MATERIALS HANDLING EQUIPMENT.
- G. THE MAXIMUM FLOOR LOAD FOR A MAGAZINE AS PRESCRIBED BY LOCAL STANDARDS WILL NOT BE EXCEEDED.
- H. IF AVAILABLE MHE PERMITS, ADDITIONAL PALLETIZED UNITS MAY BE STORED WITHIN THE MHE AREA AND/OR OTHER AVAILABLE AREA OF THE MAGAZINE.
- J. IF THE QUANTITY OF PALLET UNITS 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.
- K. THE HEIGHT OF THE PACKAGE GUARD ON SOME FORKLIFT TRUCKS MAY NOT PERMIT PLACEMENT OF SOME TOP LAYER UNITS IN THE STACKS SHOWN IN THE STORAGE VIEWS HEREIN, UNLESS TWO UPPER PALLET UNITS 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 PALLET UNITS AS ONE LIFT.
- L. STORAGE OF MULTIPLE LOTS IN A MAGAZINE WILL REQUIRE CAREFUL PRE-PLANNING SO AS TO INSURE MHE ACCESSIBILITY TO ANY LOT IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE APPLICABLE "SPECIAL NOTES" SECTIONS OF THE MULTIPLE LOT STORAGE PROCEDURES TYPICALLY SHOWN ON PAGES 44 THRU 50.
- M. ALTHOUGH SPECIFIC PROCEDURES ARE INCLUDED IN THIS DRAWING FOR STORING MULTIPLE LOTS WITHIN ONE STRUCTURE, THE BASIC STORAGE PATTERN AS SHOWN ON PAGES 4 THRU 43 CAN ALSO BE ADAPTED FOR THE STORING OF MORE THAN ONE LOT, HOWEVER, THE USE OF A STAGGERED LAYER STORAGE PATTERN AS SHOWN IS PROHIBITED. MULTIPLE LOTS OF PALLET UNITS WHEN STORED IN ACCORDANCE WITH THE BASIC STORAGE PATTERN MAY BE STORED WITH ONE OR MORE STACKS USED FOR EACH LOT. LOTS WILL NOT BE MIXED, EXCEPT TO THE EXTENT THAT UNITS OF ONE LOT WILL NOT BE STACKED ON TOP OF PALLET UNITS FROM ANOTHER LOT. MULTIPLE LOTS OF PALLET UNITS MAY BE STORED WITH ONE OR MORE ROWS USED FOR EACH LOT. (A ROW RUNS FROM THE REAR OF THE MAGAZINE TO THE FRONT). EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE GENERAL NOTES AND IN THE SPECIAL NOTES ON PAGES 44 THRU 50.
- N. ANY "LIGHT" PALLET UNIT THAT DOES NOT CONTAIN A FULL QUANTITY OF ROUNDS WILL NOT BE BURIED IN STORAGE. IT MUST BE POSITIONED ADJACENT TO AN AISLE, PREFERABLY IN FRONT OF THE LOT.

(CONTINUED AT RIGHT)

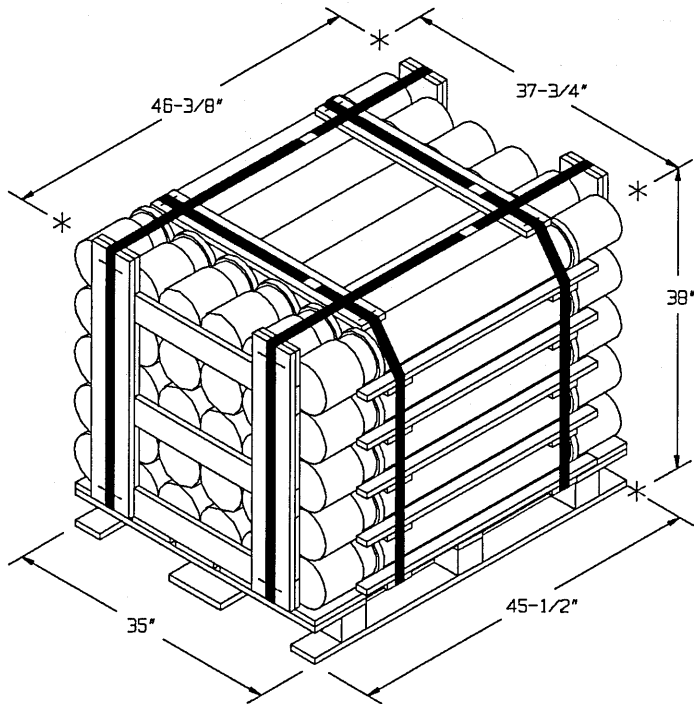
(GENERAL NOTES CONTINUED)

- O. A PRODUCTION OR STORAGE FACILITY IS AUTHORIZED TO HAVE ONE INCOMPLETE, UN-BANDED PARTIAL UNIT PER LOT IN A STORAGE STRUCTURE. PRIOR TO SHIPMENT OF A PARTIAL UNIT, A LAYER MUST BE COMPLETED, IF APPLICABLE, BY THE POSITIONING OF ONE OR MORE FILLERS AS DELINEATED BY DRAWING 19-48-4079/3-20PM1002. THE UNIT MUST THEN BE RE-BANDED WITH THE SAME SIZE AND QUANTITY OF STRAPS AS THE ORIGINAL UNIT.
- P. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS, HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- Q. CONVERSION TO METRIC EQUIVALENTS: DIMENSIONS WITHIN THIS DOCUMENT ARE EXPRESSED IN INCHES, AND WEIGHTS ARE EXPRESSED IN POUNDS. WHEN NECESSARY, THE METRIC EQUIVALENT MAY BE COMPUTED ON THE BASIS OF ONE INCH EQUALS 25.4 MM, AND ONE POUND EQUALS 0.454 KG.

REVISIONS

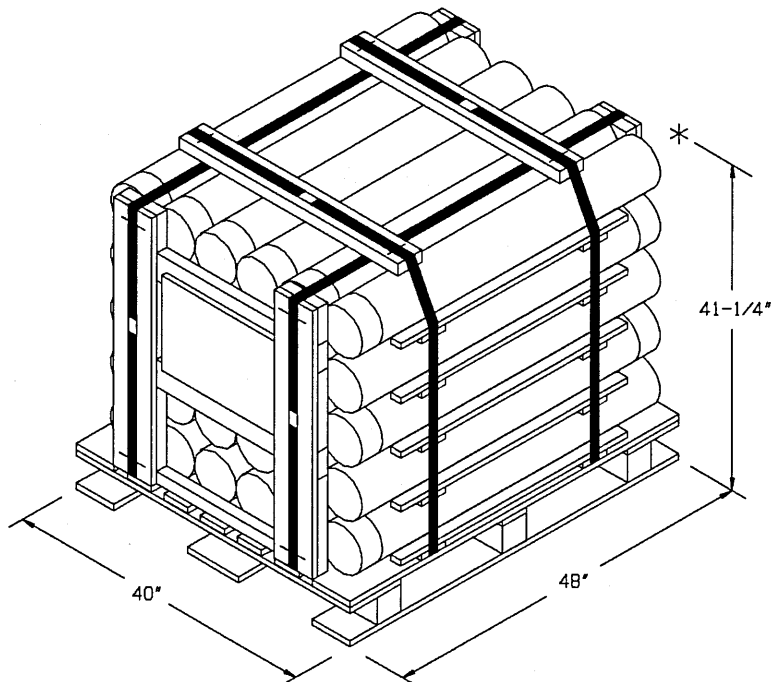
REVISION NO. 1, DATED OCTOBER 1995 CONSISTS OF:

- 1. CONVERTING TO CAD.



PALLET UNIT NO. 1

GROSS WEIGHT - - - - 2,176 LBS (APPROX)
 CUBE - - - - - 38.5 CUBIC FEET (APPROX)
 FOR UNITIZATION PROCEDURES SEE U. S.
 ARMY AMC (DARCOM) DRAWING
 19-48-4079/3-20PM1002.



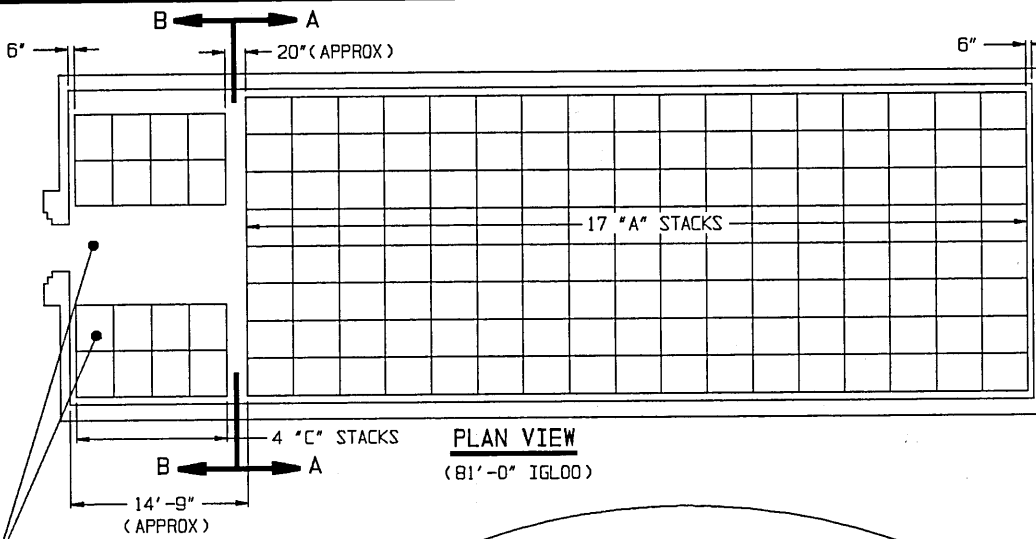
PALLET UNIT NO. 2

GROSS WEIGHT - - - - 2,200 LBS (APPROX)
 CUBE - - - - - 45.83 CUBIC FEET (APPROX)
 FOR UNITIZATION PROCEDURES SEE U. S.
 ARMY AMC (DARCOM) DRAWING
 19-48-4079-1-2-5-11-14PM1001.

DETAILS

STORAGE IN 81'-0" IGLOO
(12'-9" HIGH)

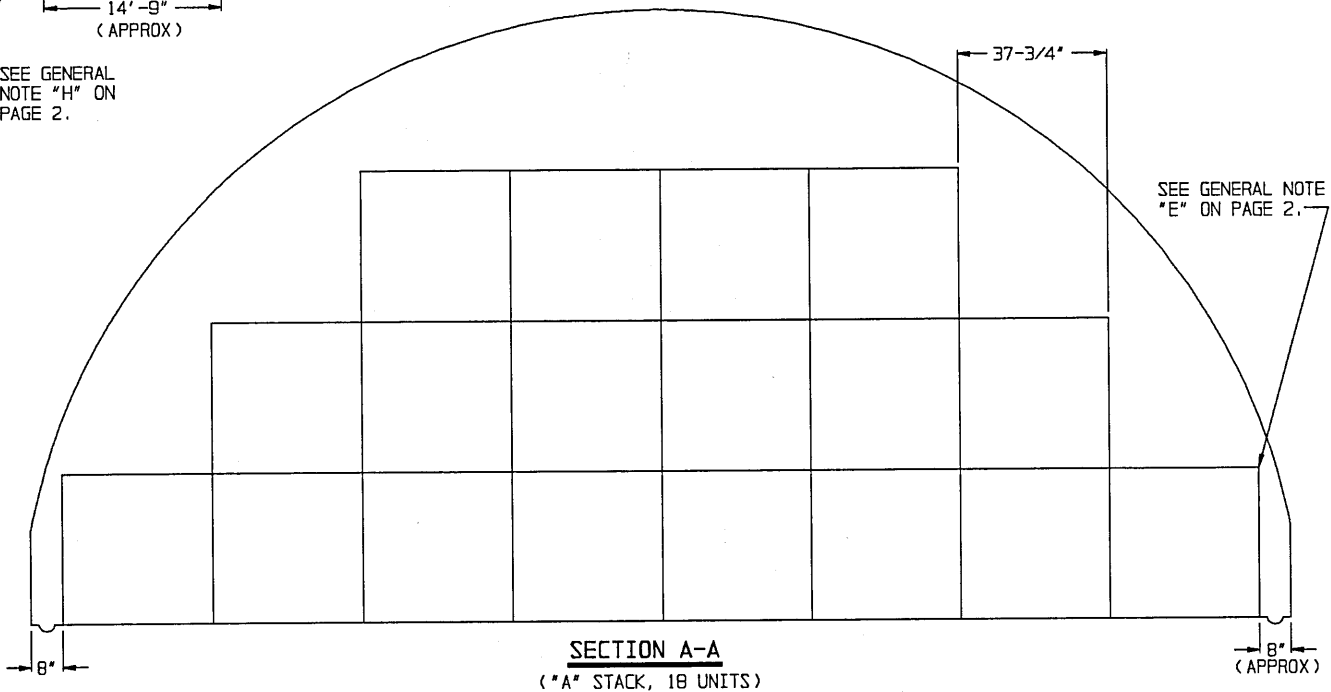
ITEM	QUANTITY
PALLET UNIT - - - - -	334
CONTAINER - - - - -	10,020



PLAN VIEW
(81'-0" IGLOO)

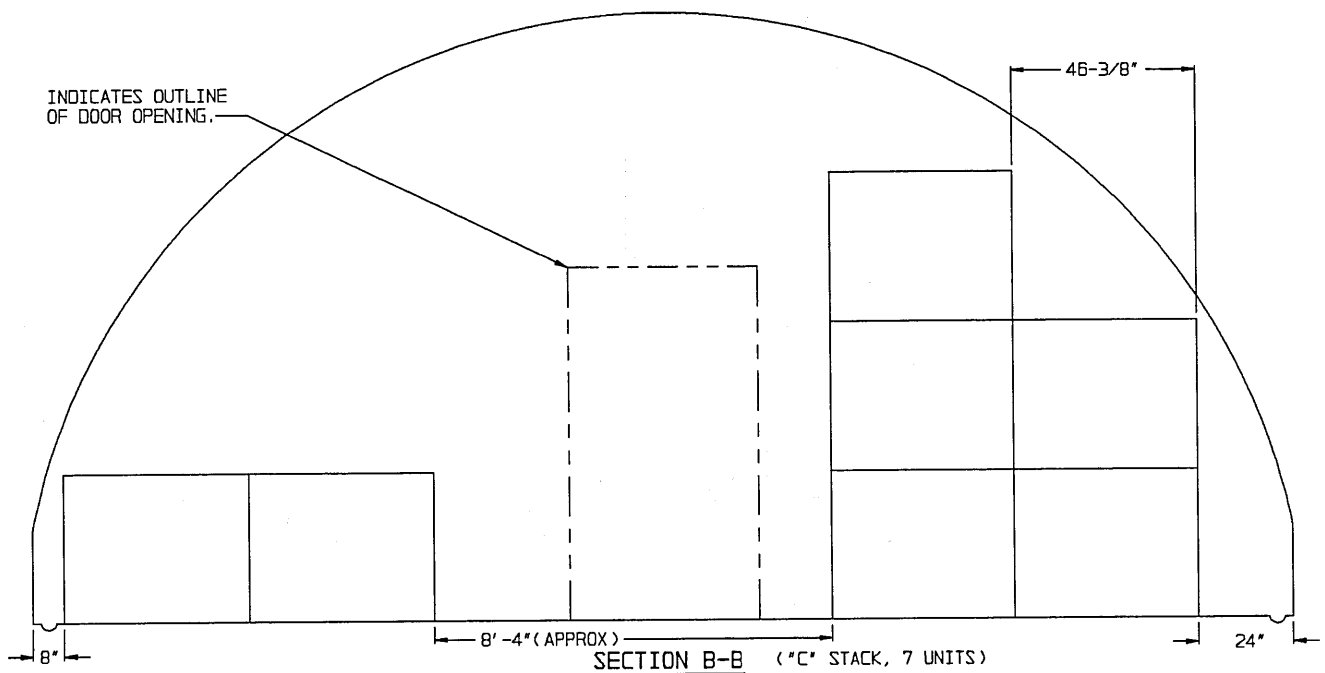
SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.



SECTION A-A
("A" STACK, 18 UNITS)

INDICATES OUTLINE OF DOOR OPENING.



SECTION B-B ("C" STACK, 7 UNITS)

STORAGE PROCEDURES IN 81'-0", 60'-8", AND 40'-4" L X 26'-6" W X 12'-9" H IGLOO MAGAZINES

STORAGE IN 60'-8" IGLOO

(12'-9" HIGH)

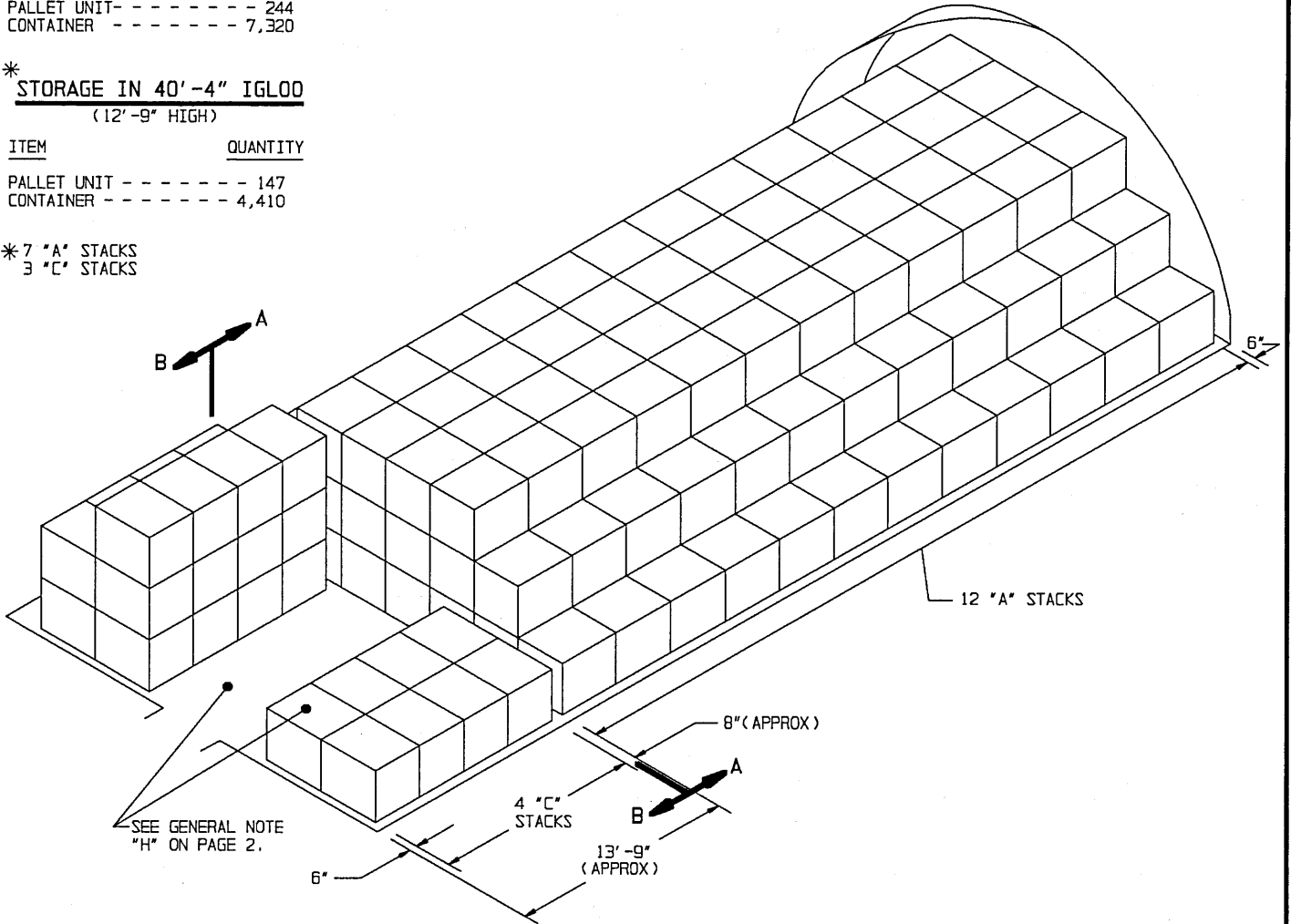
ITEM	QUANTITY
PALLET UNIT - - - - -	244
CONTAINER - - - - -	7,320

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

(12'-9" HIGH)

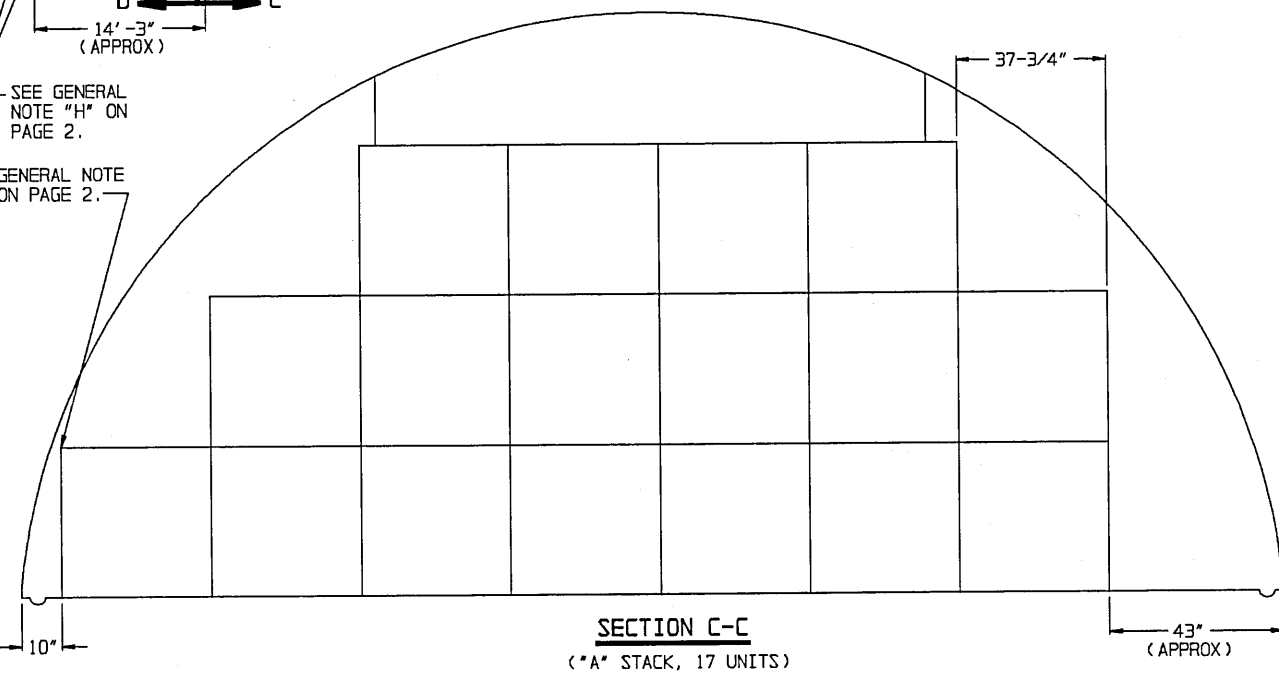
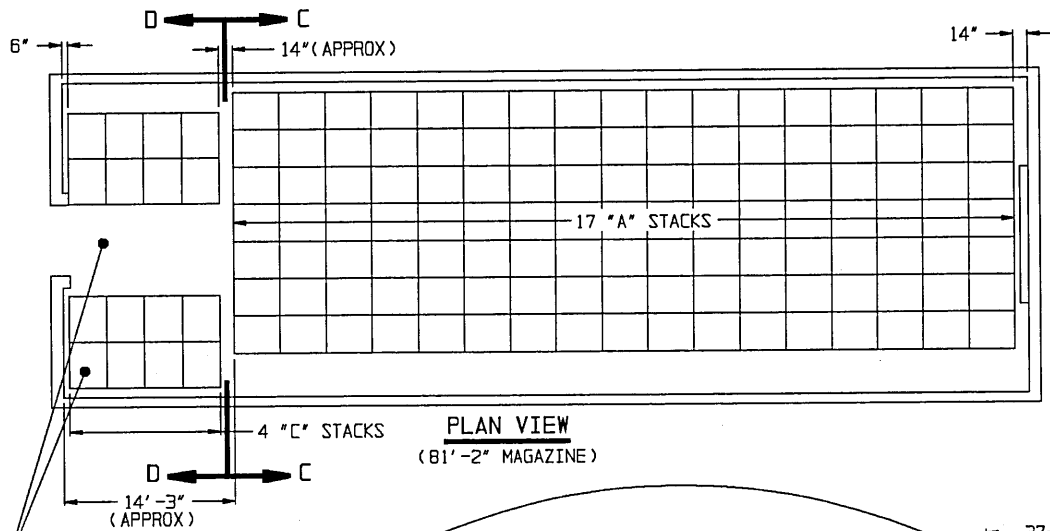
ITEM	QUANTITY
PALLET UNIT - - - - -	147
CONTAINER - - - - -	4,410

* 7 "A" STACKS
3 "C" STACKS



ISOMETRIC VIEW
(60'-8" IGLOO)

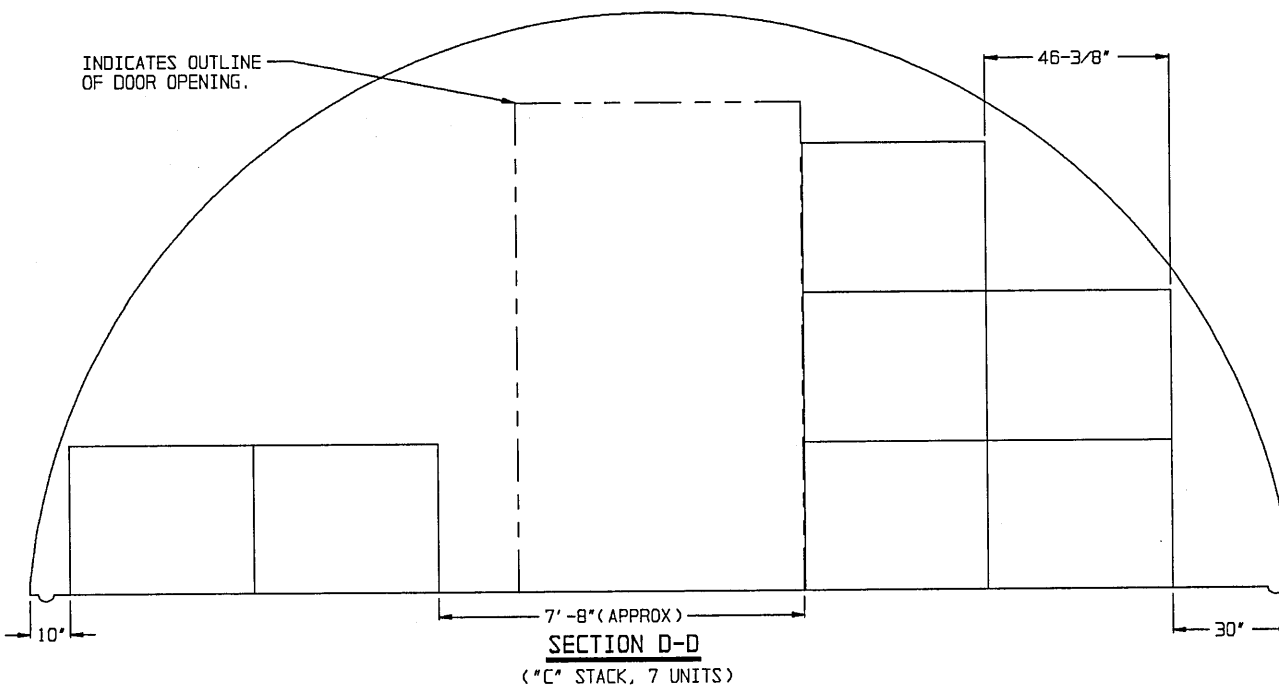
FOR "GENERAL NOTES", SEE PAGE 2.



SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.

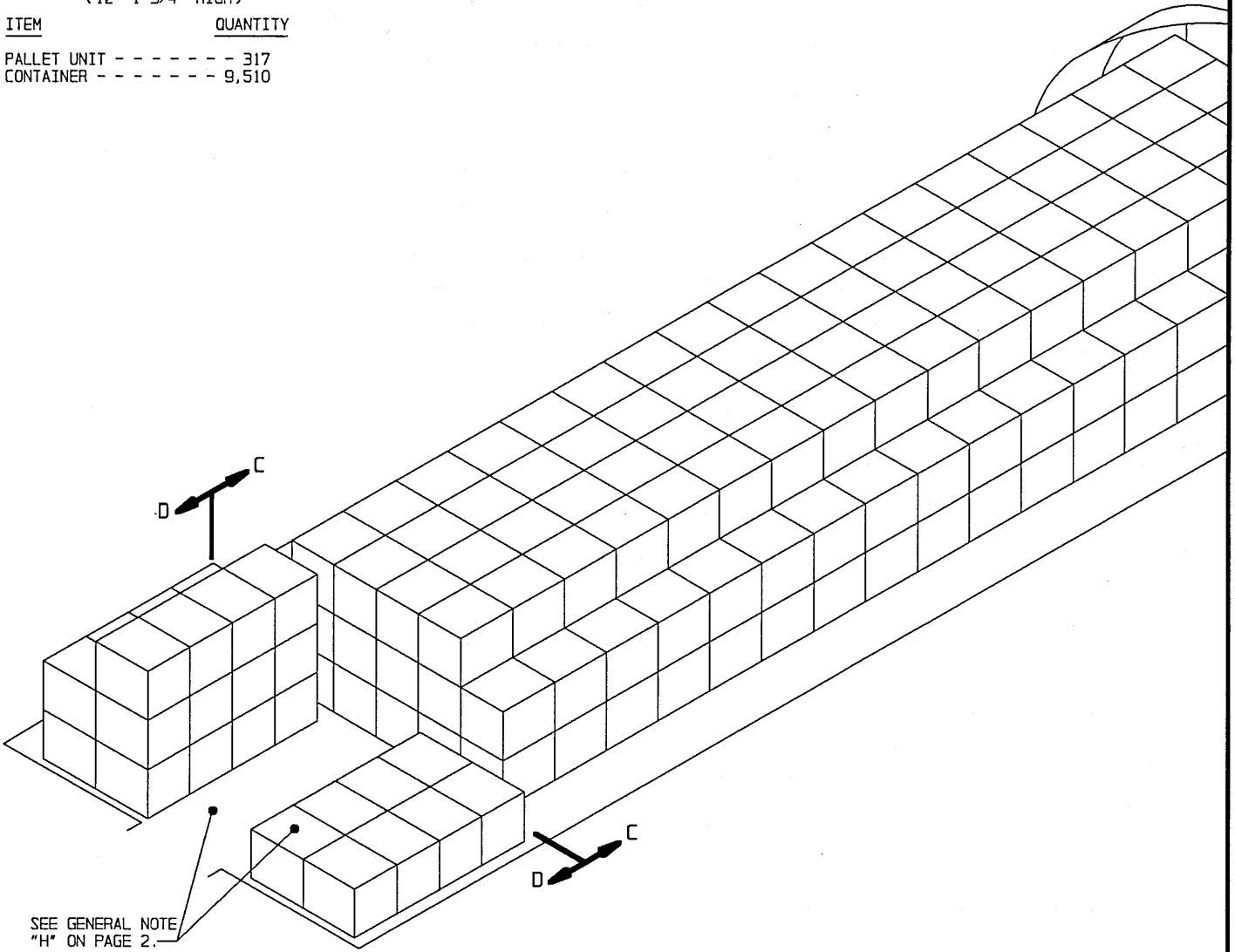
INDICATES OUTLINE OF DOOR OPENING.



STORAGE IN 81'-2" MAGAZINE

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

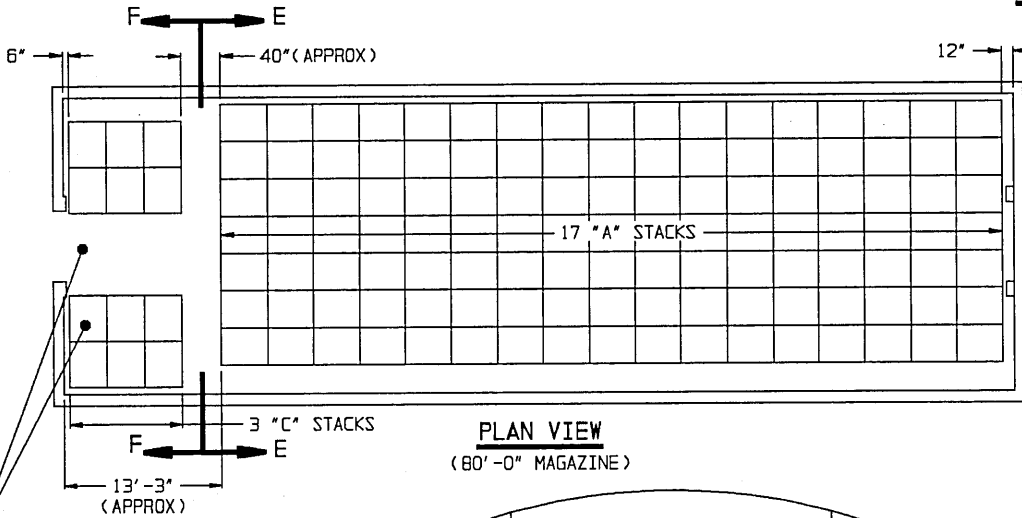
<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNIT - - - - -	317
CONTAINER - - - - -	9,510



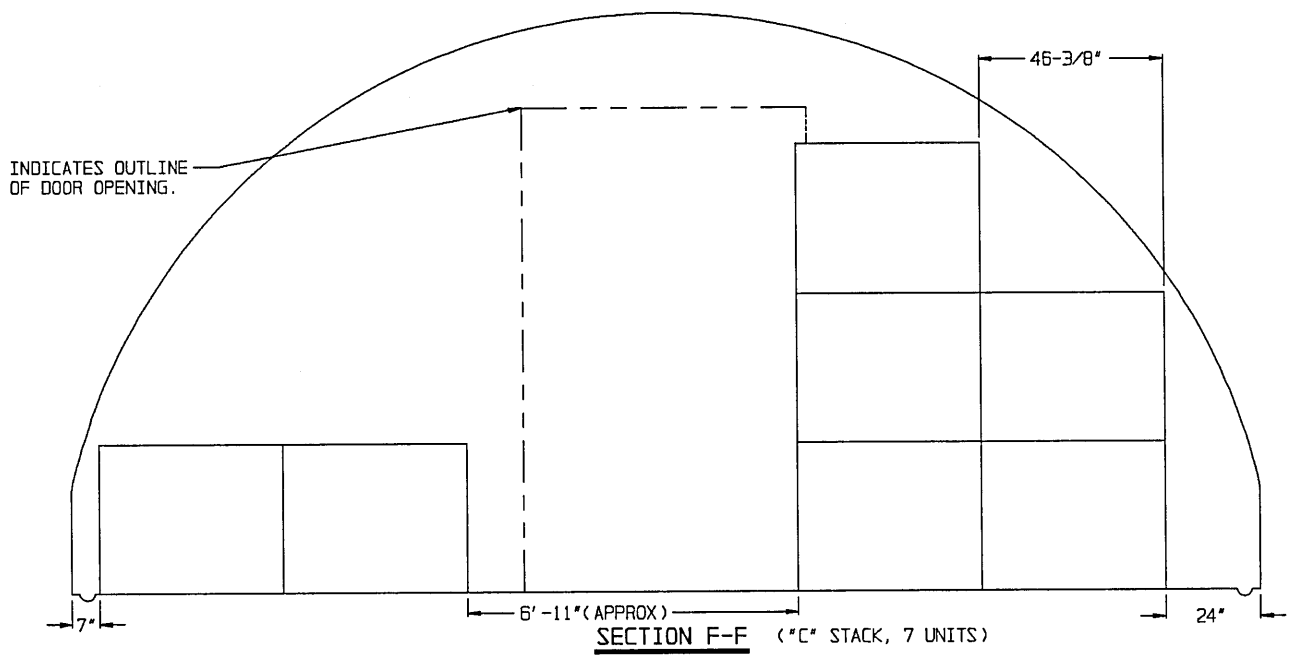
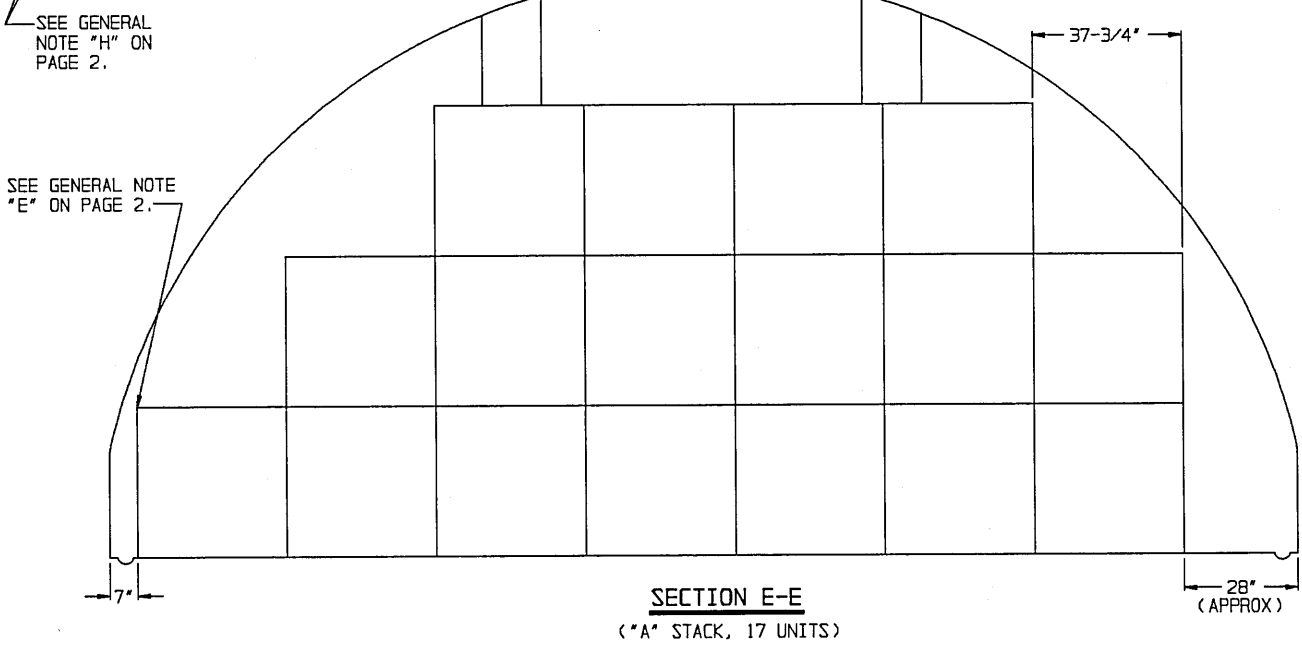
ISOMETRIC VIEW
(81'-2" MAGAZINE)

FOR "GENERAL NOTES", SEE PAGE 2.

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



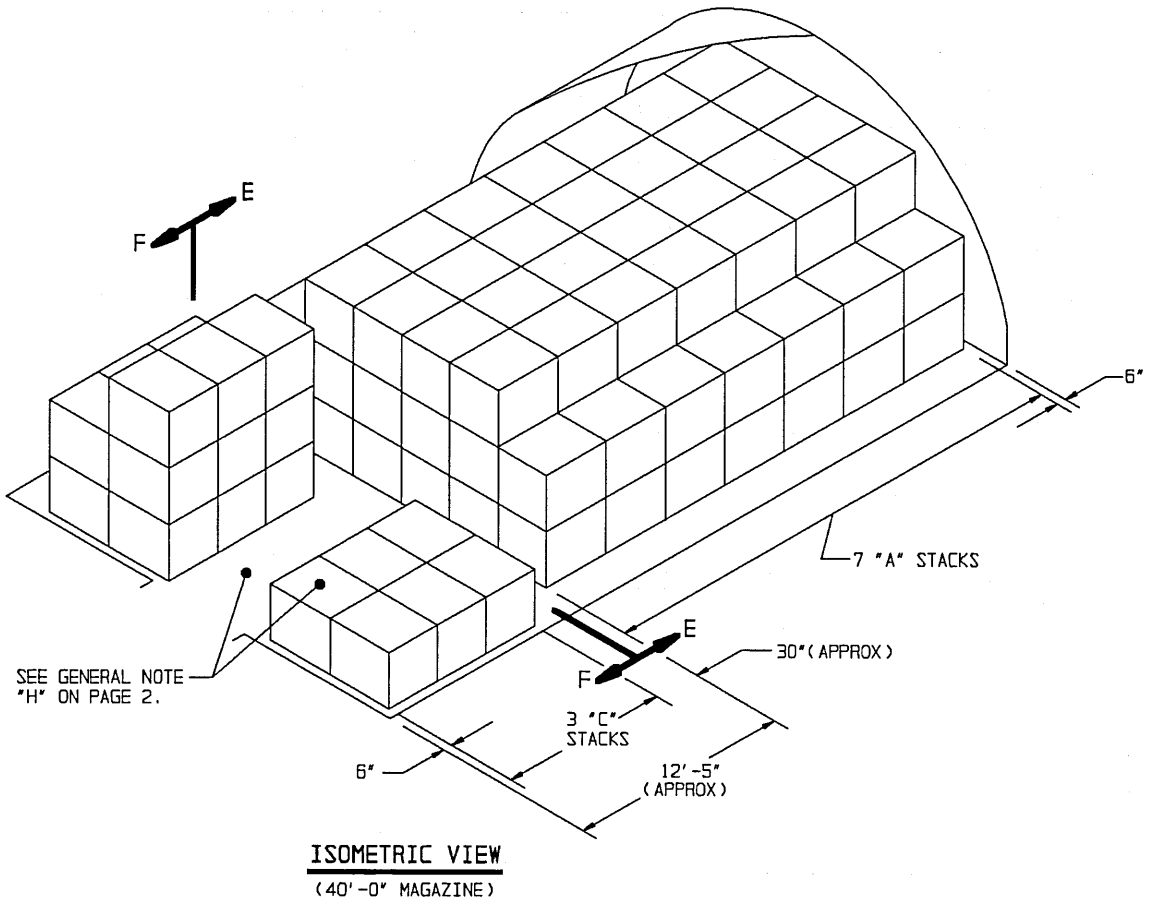
ITEM	QUANTITY
PALLET UNIT - - - - -	310
CONTAINER - - - - -	9,300



STORAGE IN 40'-0" MAGAZINE

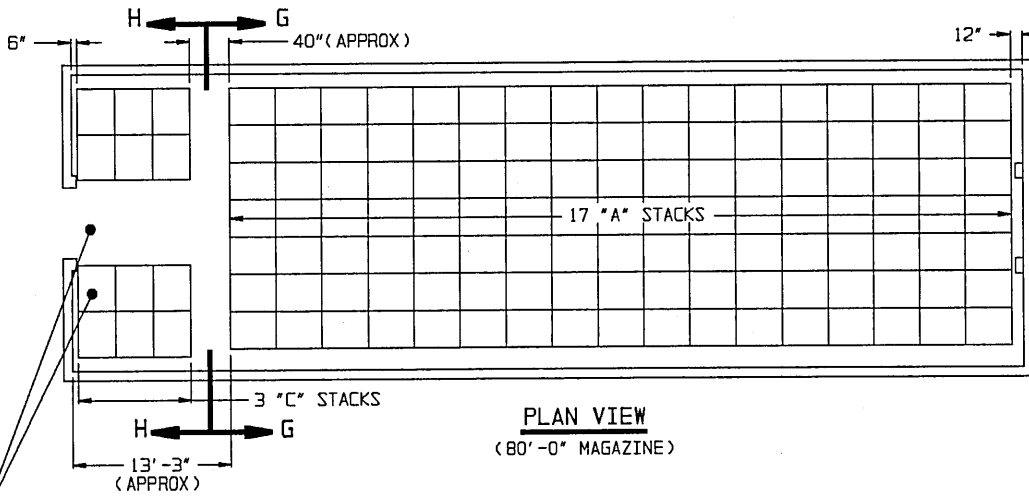
(12'-1-3/4" HIGH)

ITEM	QUANTITY
PALLET UNIT - - - - -	140
CONTAINER - - - - -	4,200



FOR "GENERAL NOTES", SEE PAGE 2.

STORAGE IN 80'-0" MAGAZINE
(11'-0" HIGH)

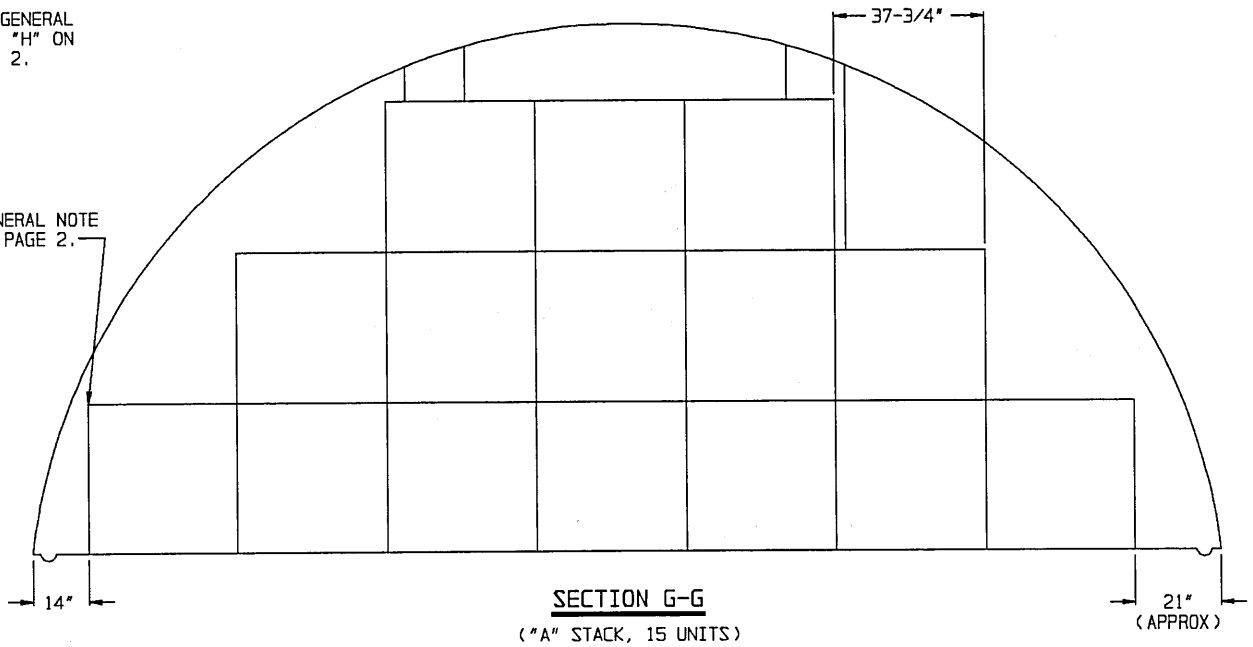


ITEM	QUANTITY
PALLET UNIT - - - - -	270
CONTAINER - - - - -	8,100

PLAN VIEW
(80'-0" MAGAZINE)

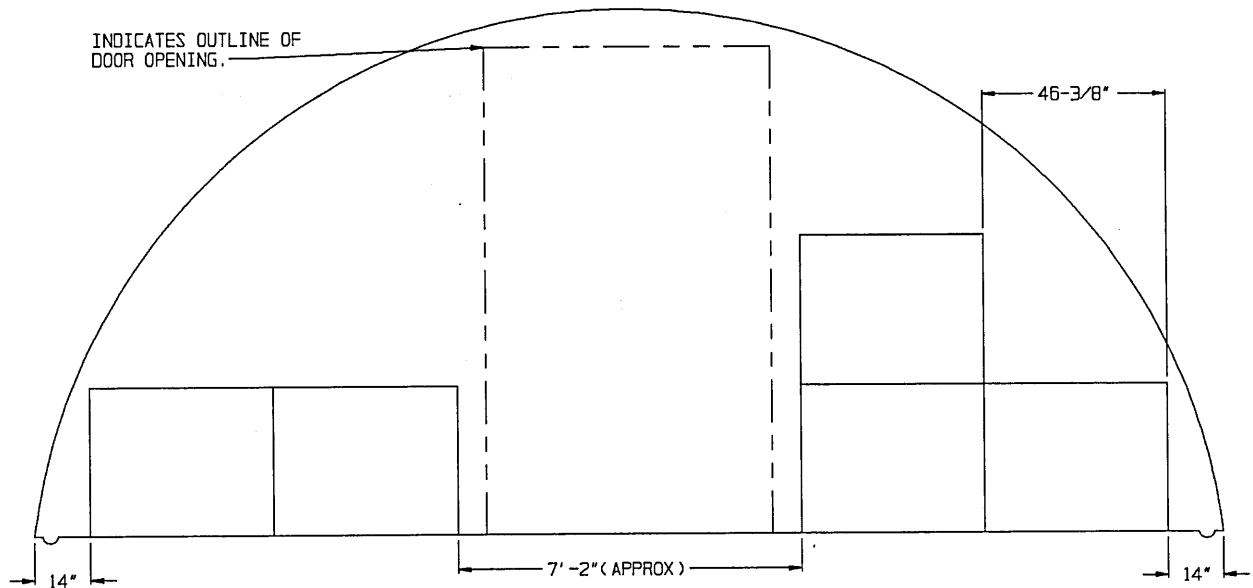
SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.



SECTION G-G
("A" STACK, 15 UNITS)

INDICATES OUTLINE OF DOOR OPENING.

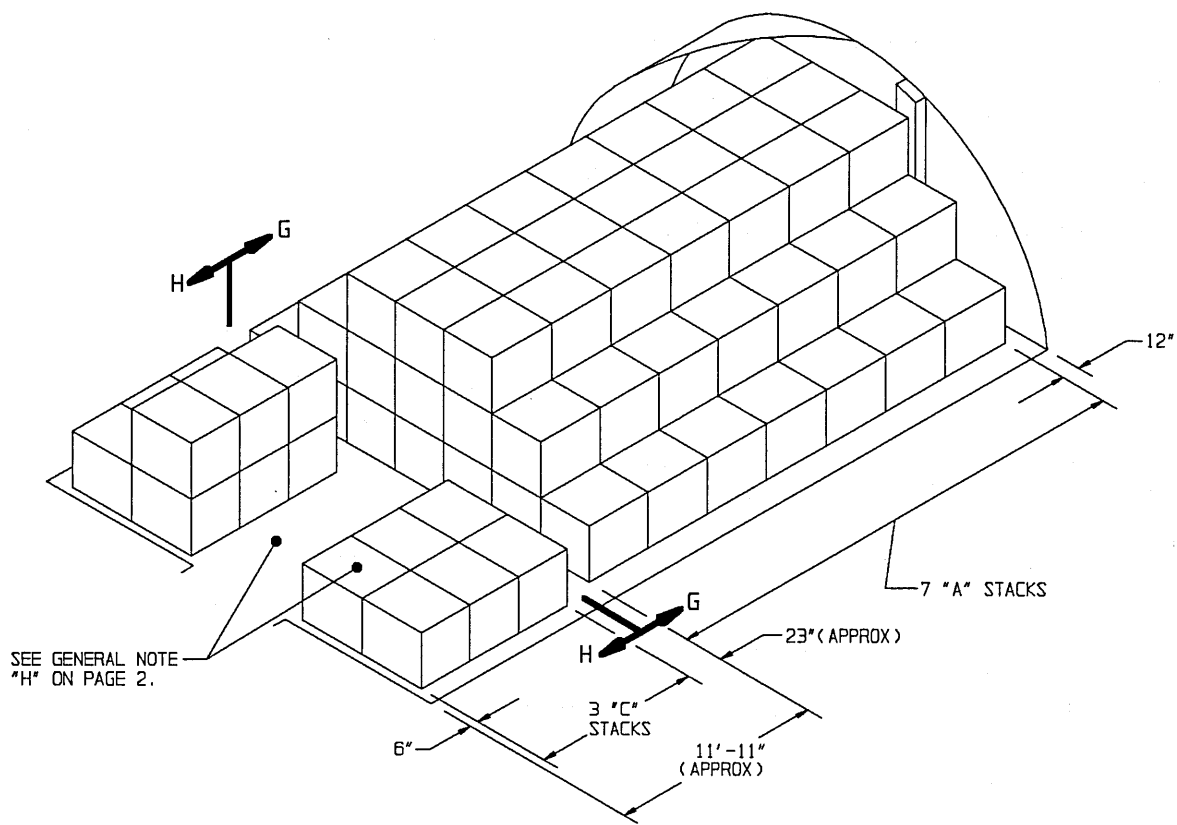


SECTION H-H ("C" STACK, 5 UNITS)

STORAGE IN 40'-0" MAGAZINE

(11'-0" HIGH)

ITEM	QUANTITY
PALLET UNIT - - - - -	120
CONTAINER - - - - -	3,600



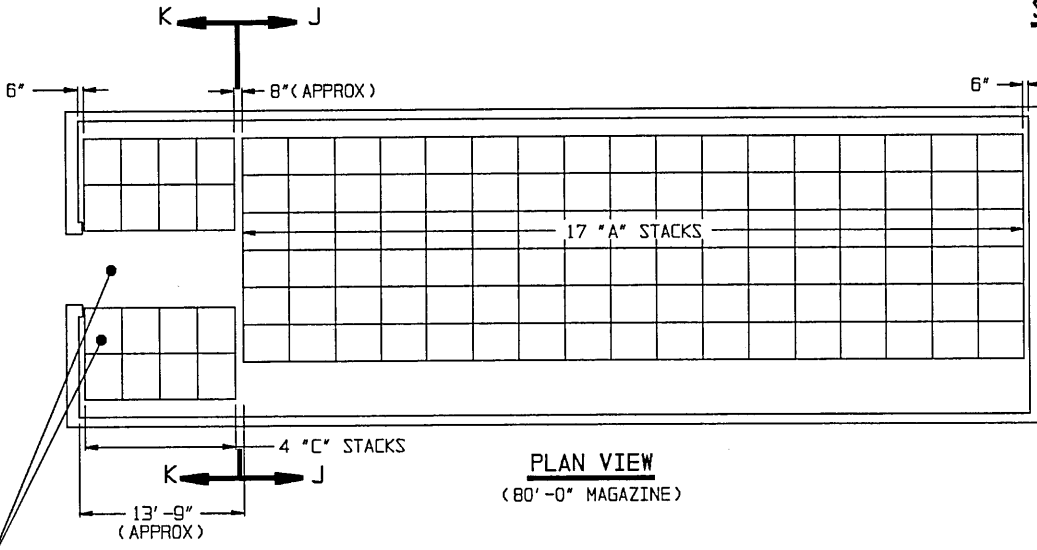
SEE GENERAL NOTE "H" ON PAGE 2.

ISOMETRIC VIEW
(40'-0" MAGAZINE)

FOR "GENERAL NOTES", SEE PAGE 2.

STORAGE IN 80'-0" MAGAZINE
(10'-0" HIGH)

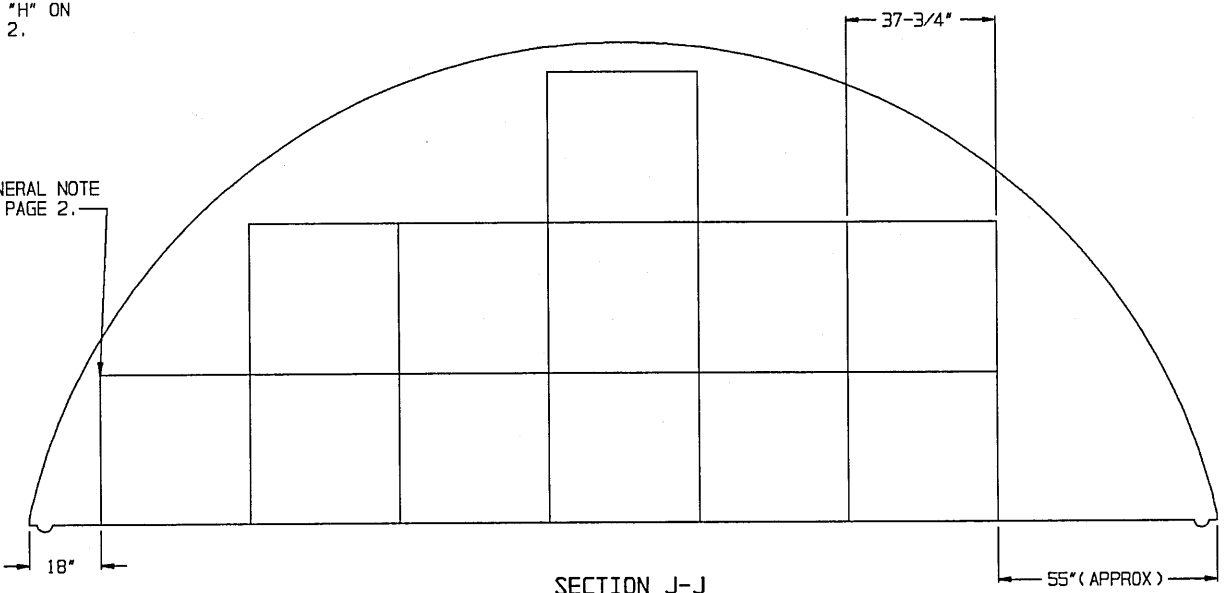
ITEM	QUANTITY
PALLET UNIT - - - - -	224
CONTAINER - - - - -	6,720



PLAN VIEW
(80'-0" MAGAZINE)

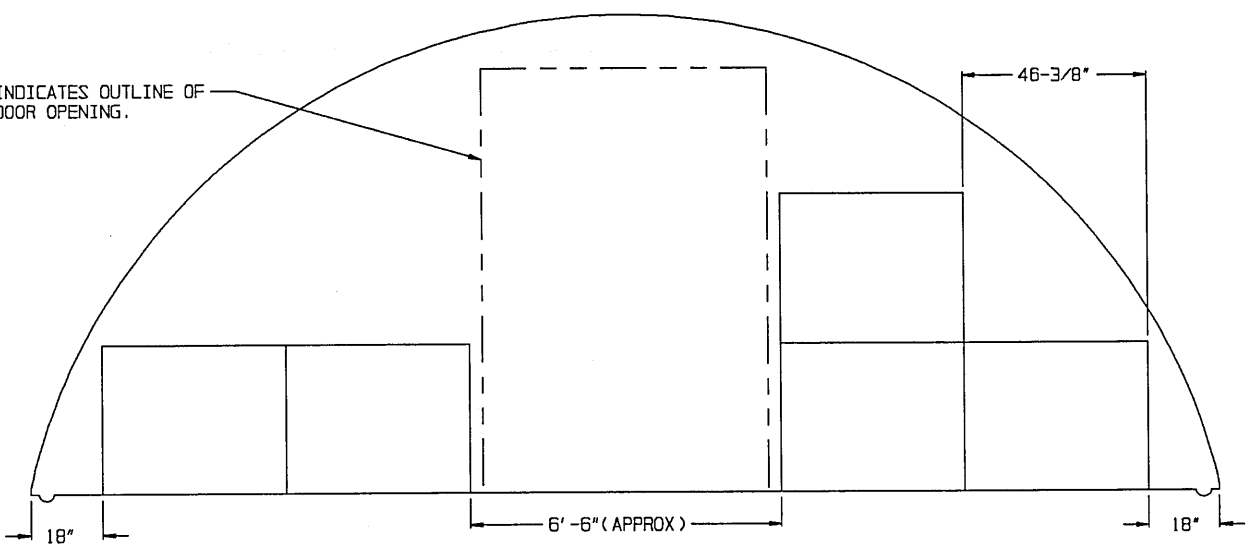
SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.



SECTION J-J
("A" STACK, 12 UNITS)

INDICATES OUTLINE OF DOOR OPENING.

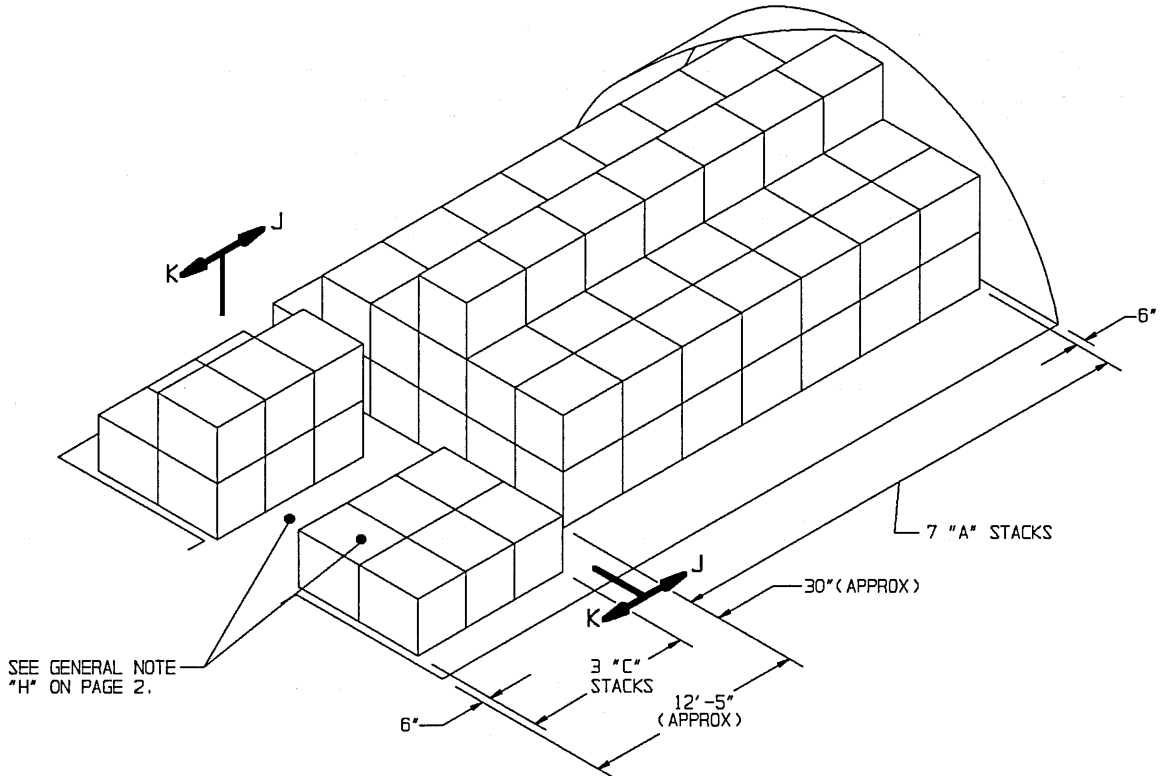


SECTION K-K ("C" STACK, 5 UNITS)

STORAGE IN 40'-0" MAGAZINE

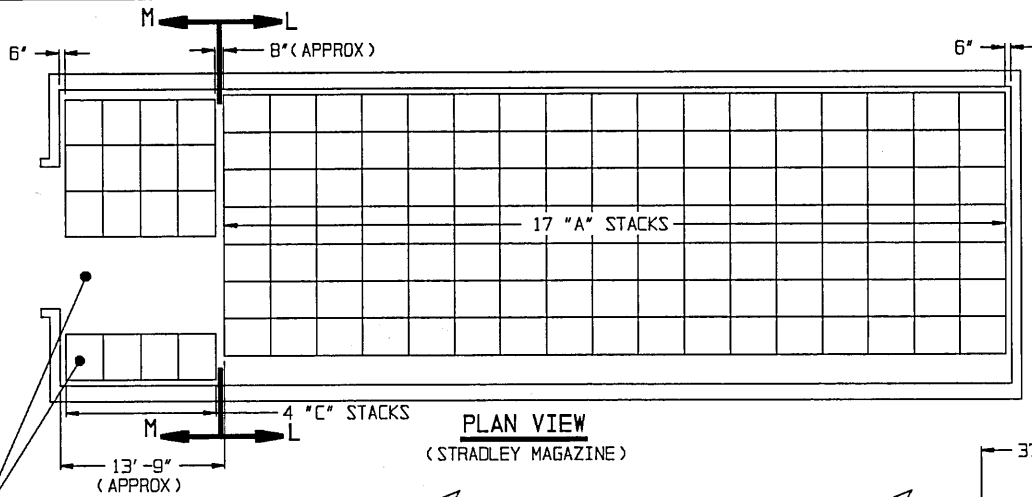
(10'-0" HIGH)

ITEM	QUANTITY
PALLET UNIT - - - - -	99
CONTAINER - - - - -	2,970



ISOMETRIC VIEW
(40'-0" MAGAZINE)

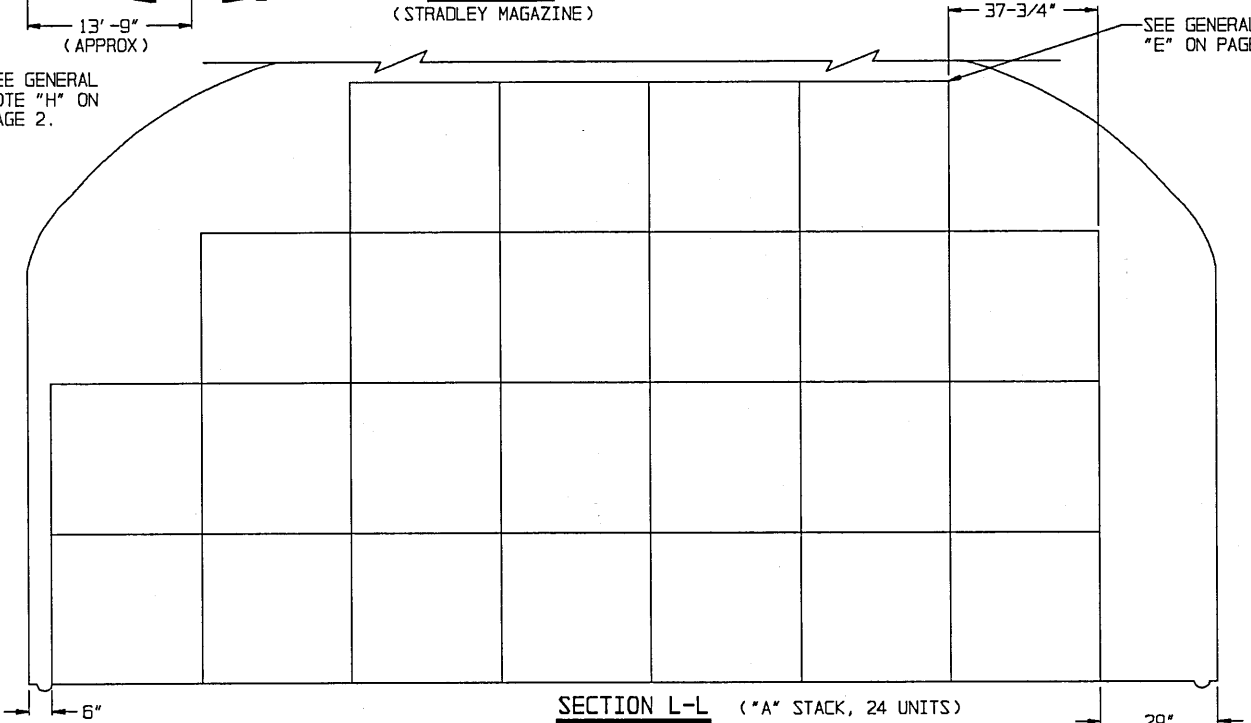
FOR "GENERAL NOTES", SEE PAGE 2.



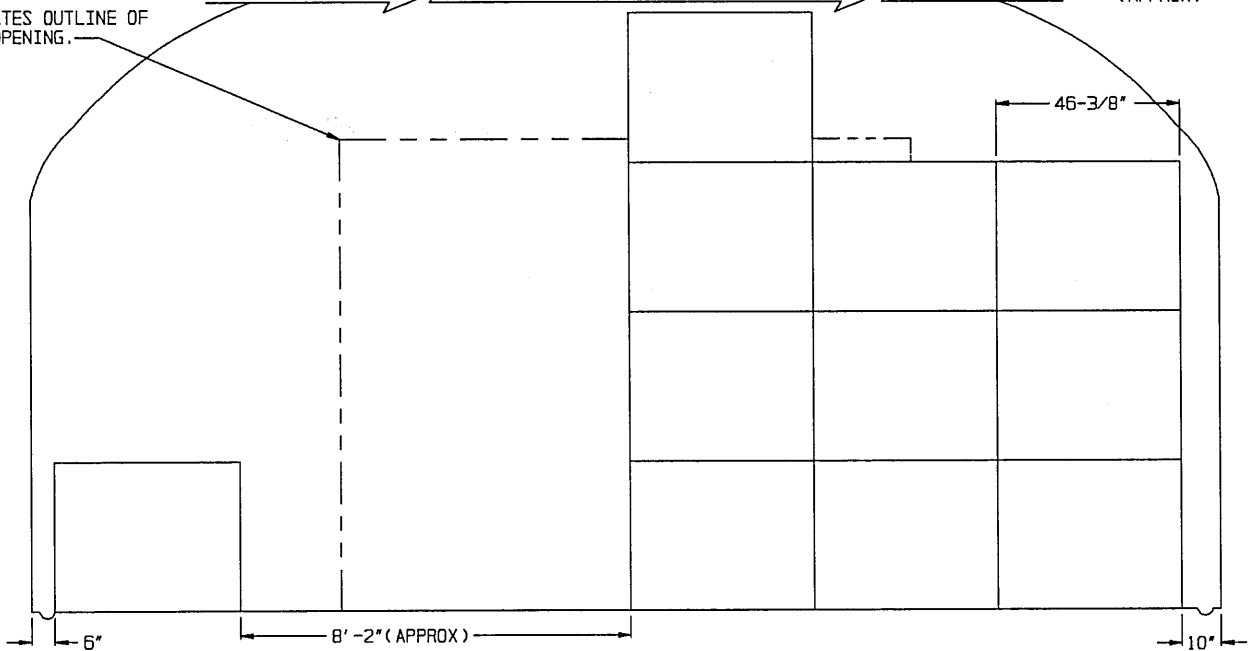
PLAN VIEW
(STRADLEY MAGAZINE)

SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.



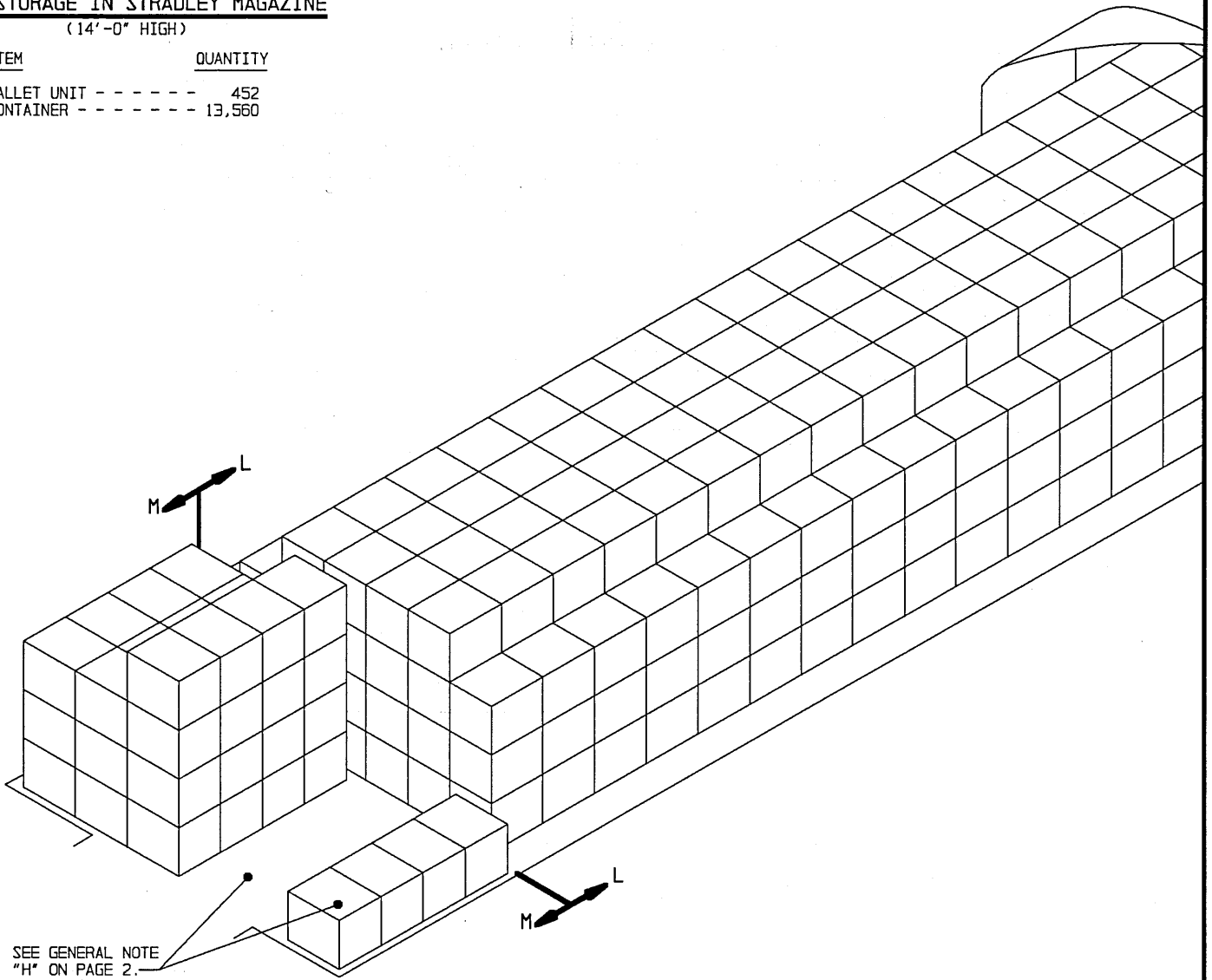
INDICATES OUTLINE OF DOOR OPENING.



STORAGE IN STRADLEY MAGAZINE

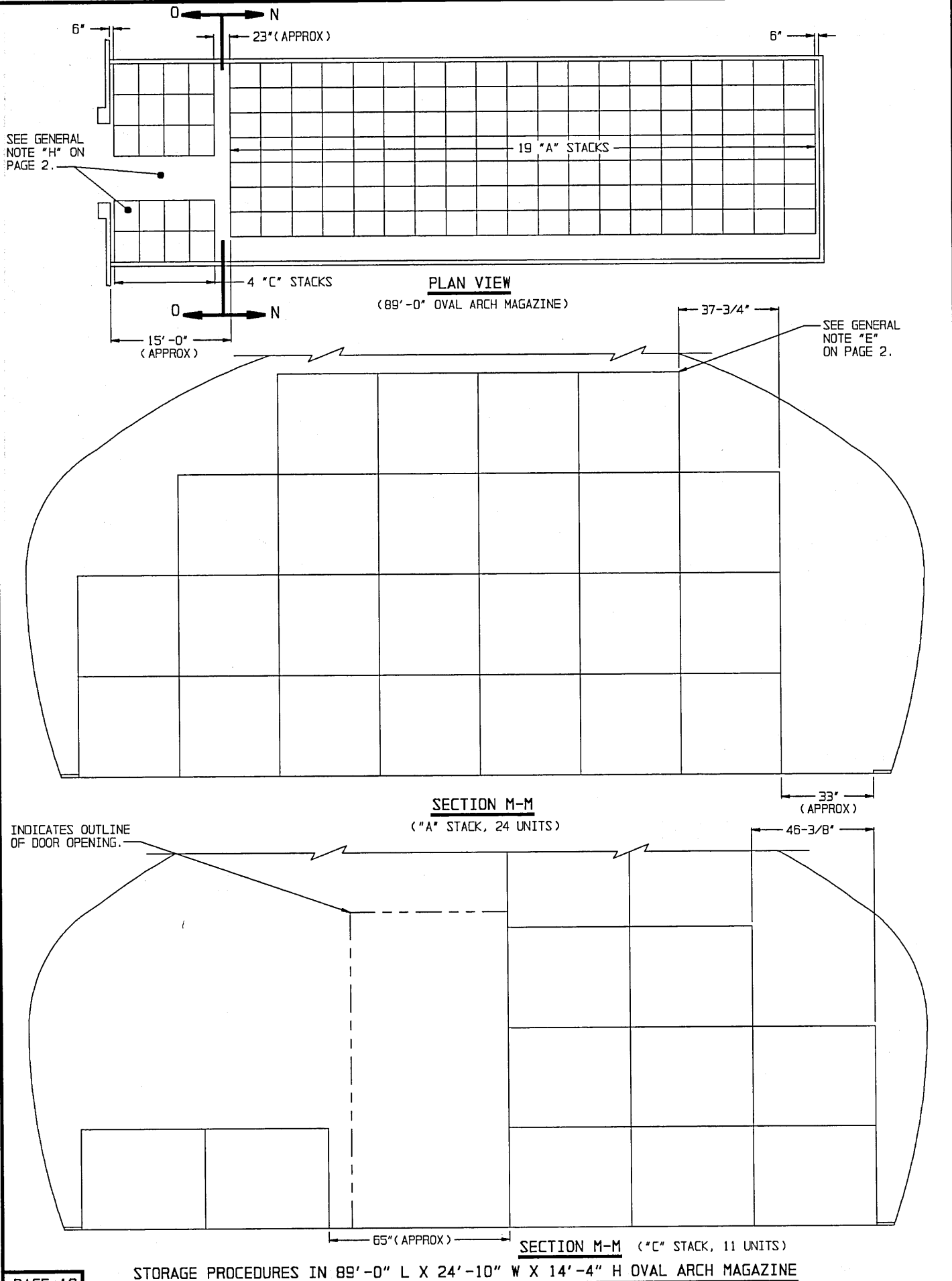
(14'-0" HIGH)

ITEM	QUANTITY
PALLET UNIT - - - - -	452
CONTAINER - - - - -	13,560



ISOMETRIC VIEW
(STRADLEY MAGAZINE)

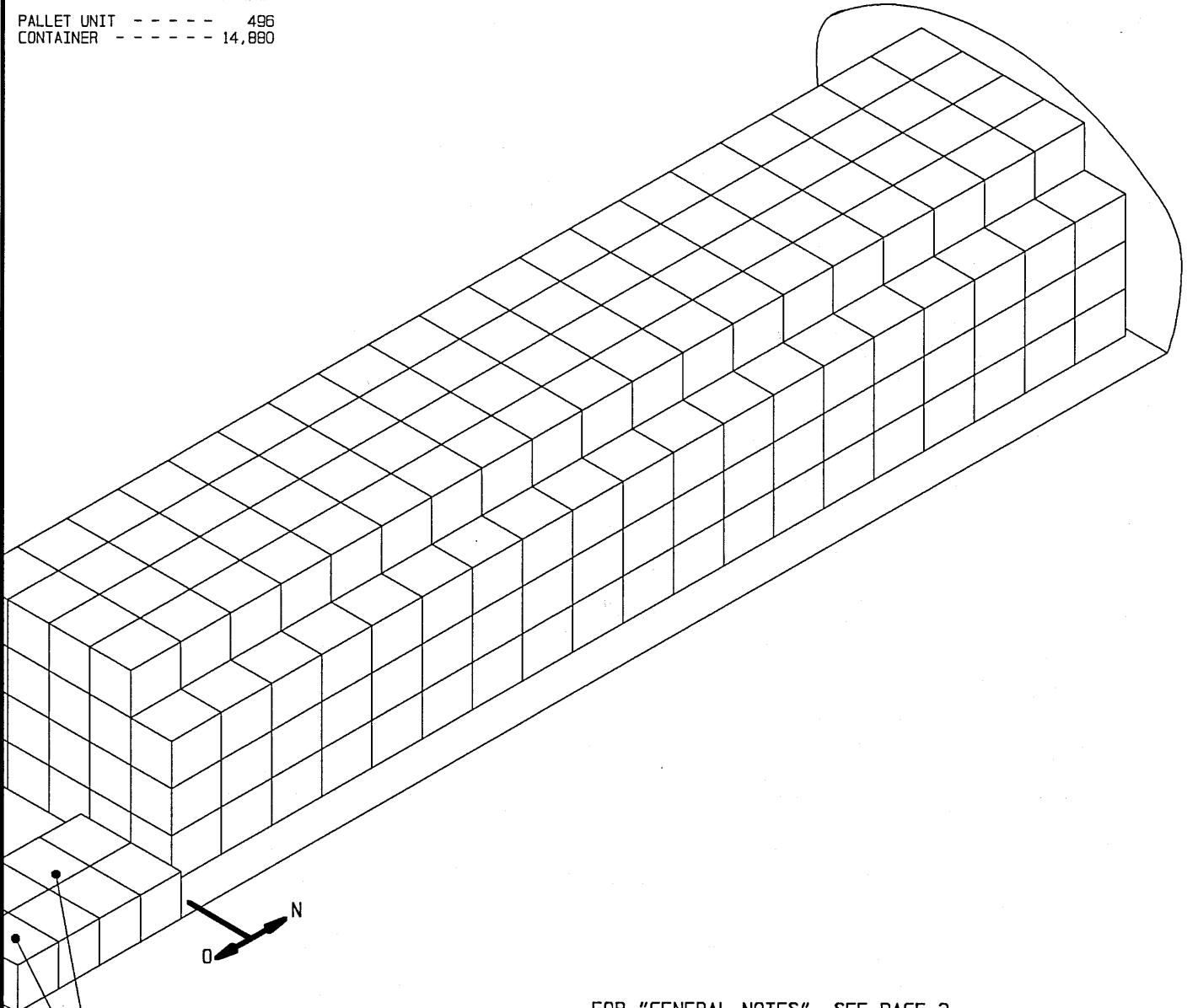
FOR "GENERAL NOTES", SEE PAGE 2.



STORAGE IN 89'-0" OVAL ARCH MAGAZINE

(14'-4" HIGH)

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNIT - - - - -	496
CONTAINER - - - - -	14,880



ISOMETRIC VIEW
(89'-0" OVAL ARCH MAGAZINE)

FOR "GENERAL NOTES", SEE PAGE 2.

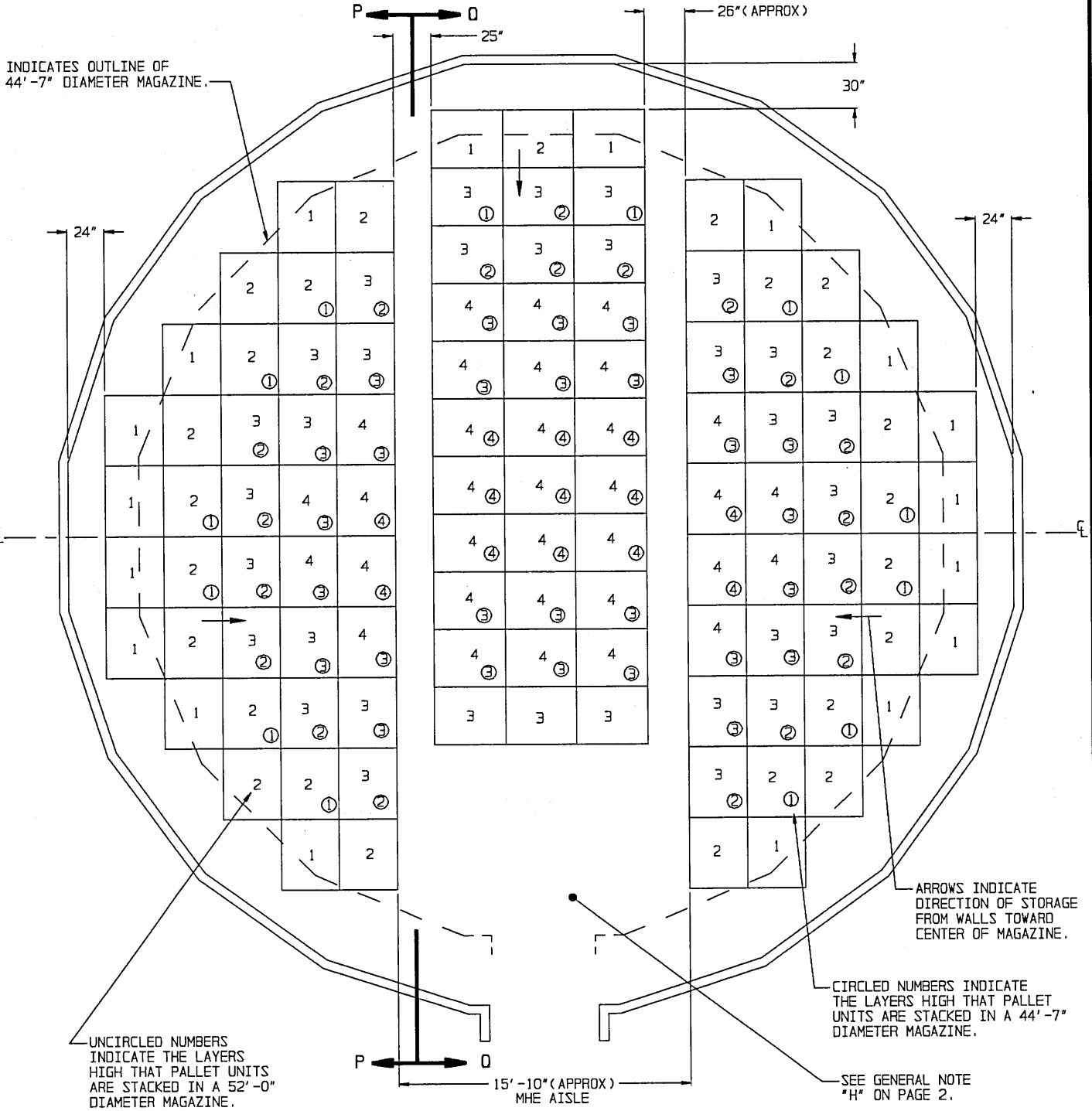
SEE GENERAL NOTE
"H" ON PAGE 2.

STORAGE IN 44'-7" DIA MAGAZINE

STORAGE IN 52'-0" DIA MAGAZINE

ITEM	QUANTITY
PALLET UNIT - - - - -	190
CONTAINER - - - - -	5,700

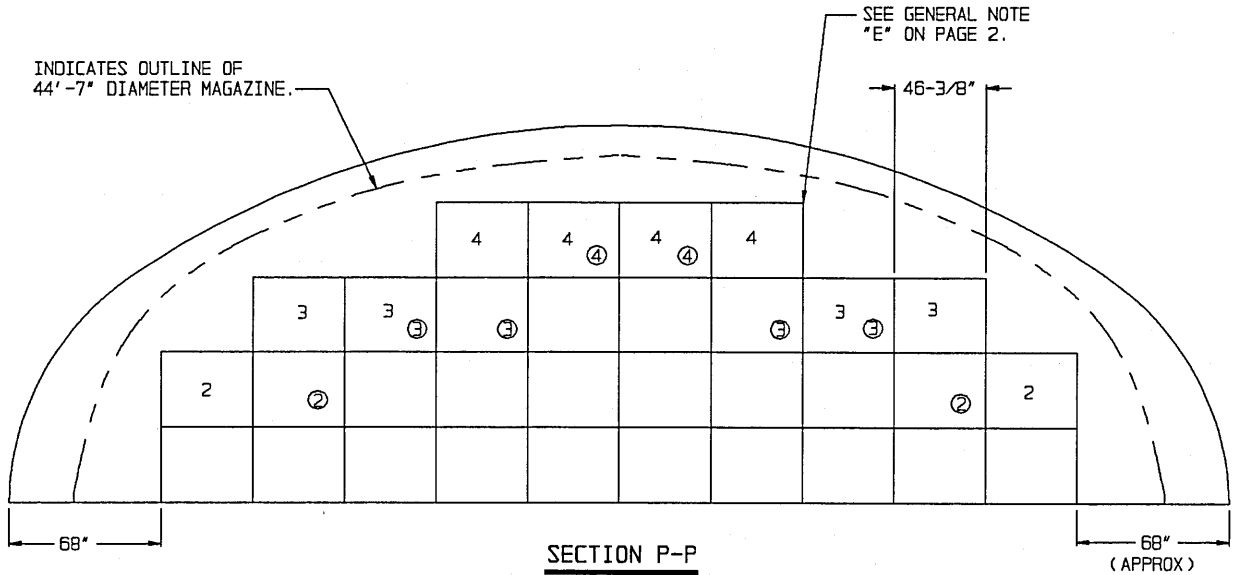
ITEM	QUANTITY
PALLET UNIT - - - - -	299
CONTAINER - - - - -	8,970



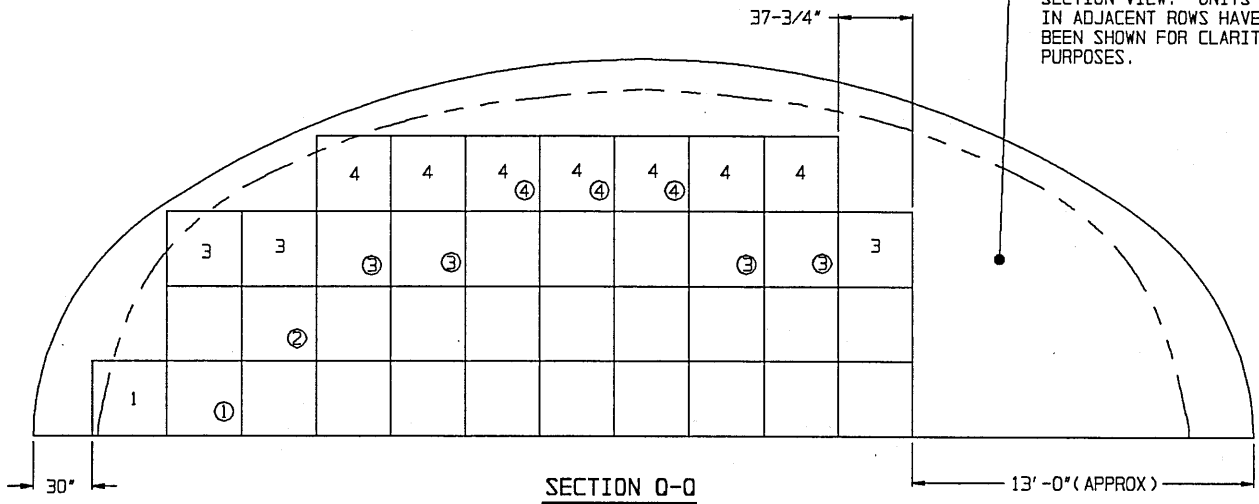
PLAN VIEW

INDICATES OUTLINE OF
44'-7" DIAMETER MAGAZINE.

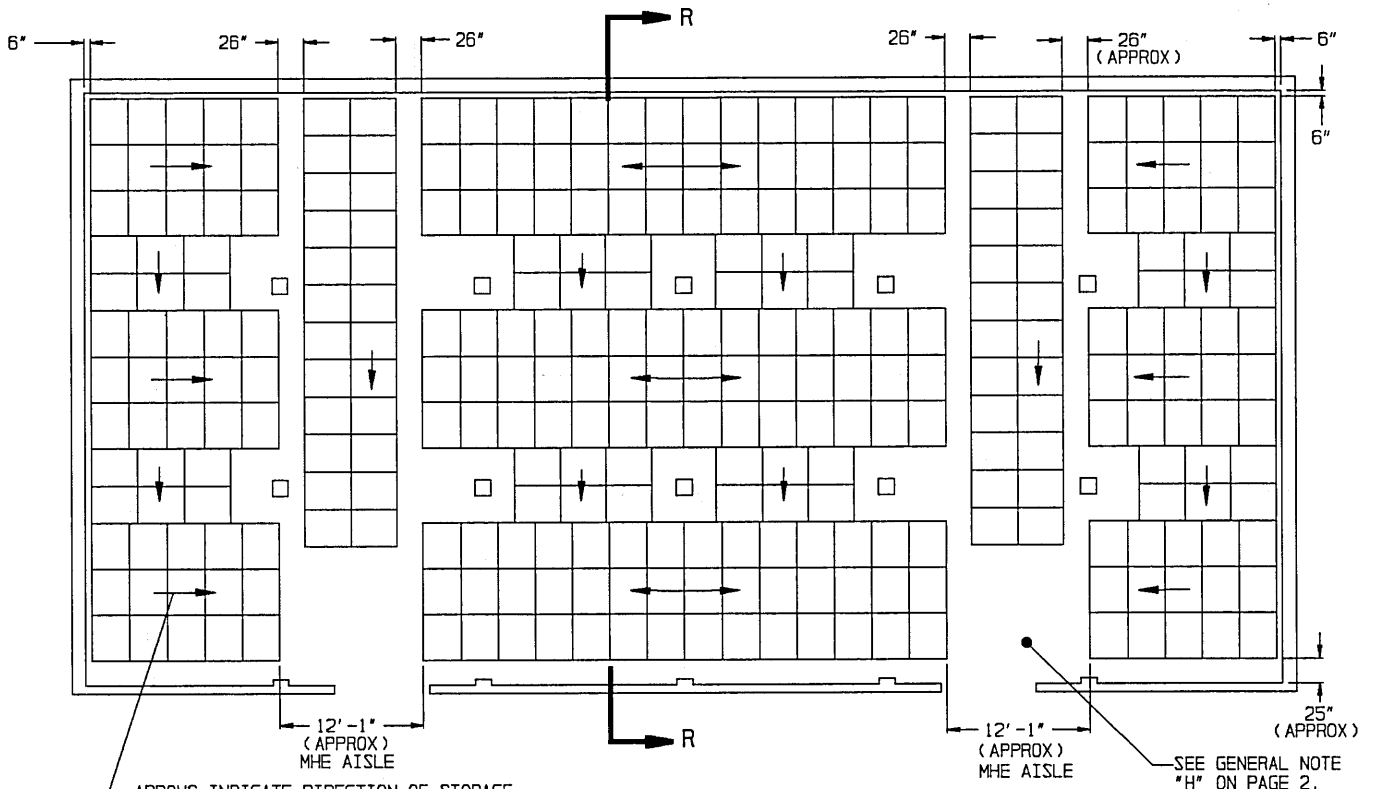
SEE GENERAL NOTE
"E" ON PAGE 2.



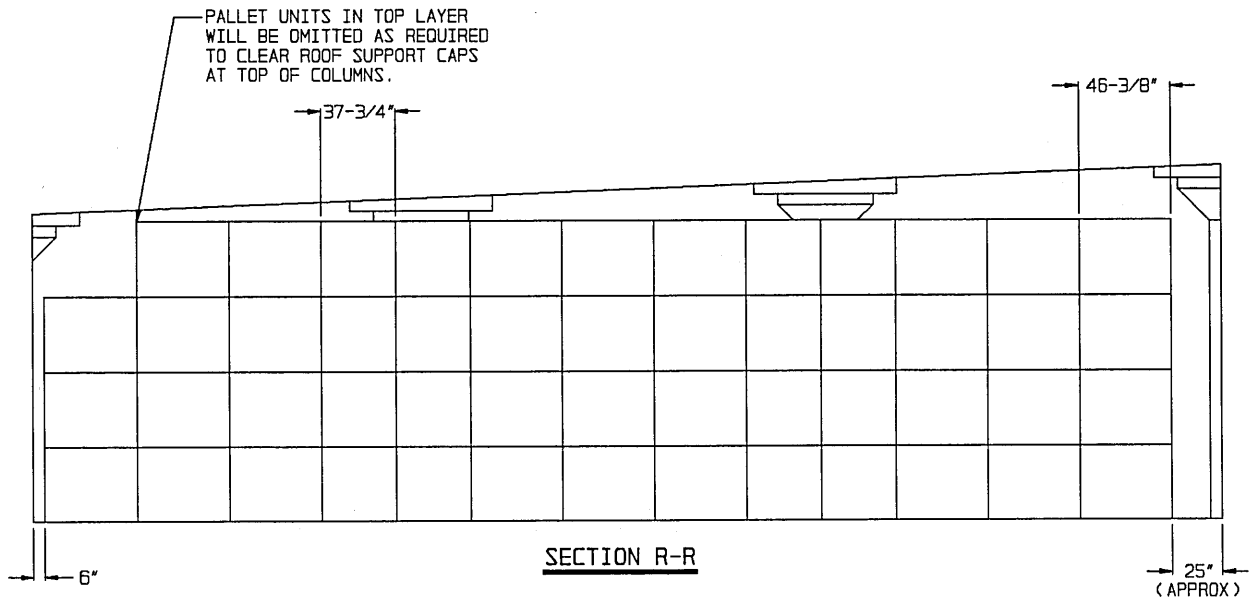
ONLY ONE ROW OF PALLET
UNITS IS SHOWN IN THIS
SECTION VIEW. UNITS LOCATED
IN ADJACENT ROWS HAVE NOT
BEEN SHOWN FOR CLARITY
PURPOSES.



FOR "GENERAL NOTES", SEE PAGE 2.

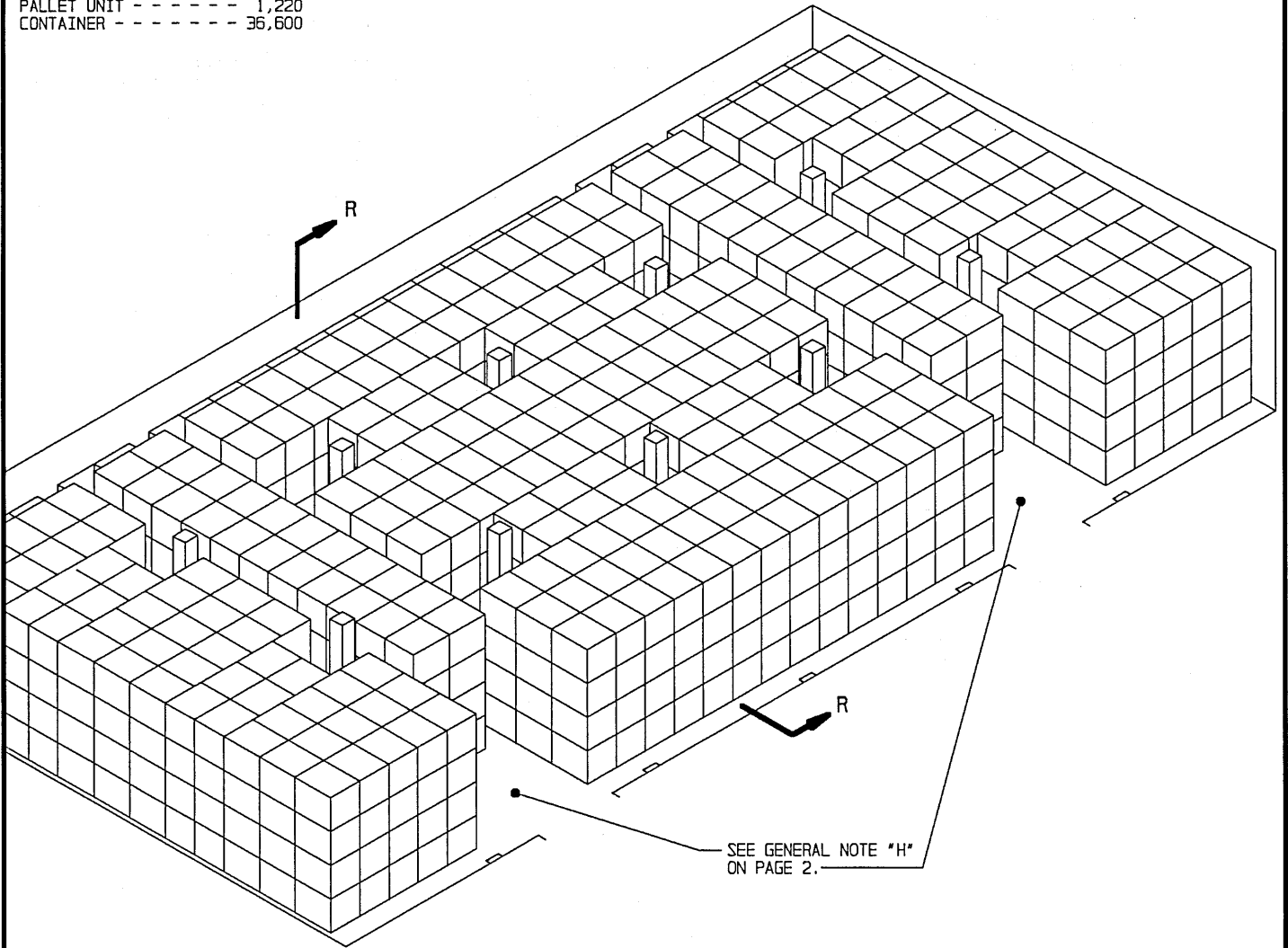


PLAN VIEW
(100'-8" X 50'-0" MAGAZINE)



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

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNIT - - - - -	1,220
CONTAINER - - - - -	36,600

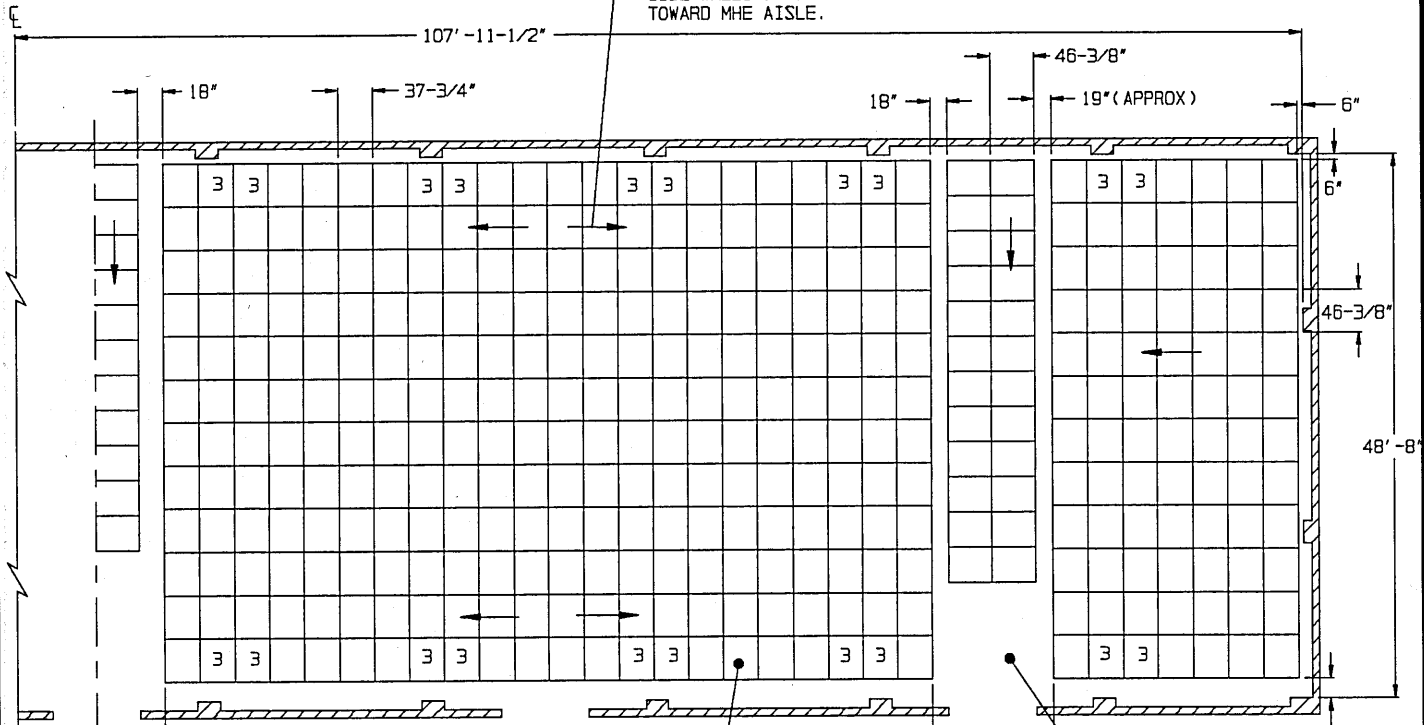


ISOMETRIC VIEW

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

FOR "GENERAL NOTES", SEE PAGE 2.

ARROWS INDICATE DIRECTION OF STORAGE FROM REAR WALL TOWARD DOORS OR FROM SIDE WALLS OR CENTER OF MAGAZINE TOWARD MHE AISLE.



PLAN VIEW

ONE HALF OF A STANDARD MAGAZINE IS SHOWN.

65" (APPROX) 1/2 MHE AISLE

10'-9" (APPROX) MHE AISLE

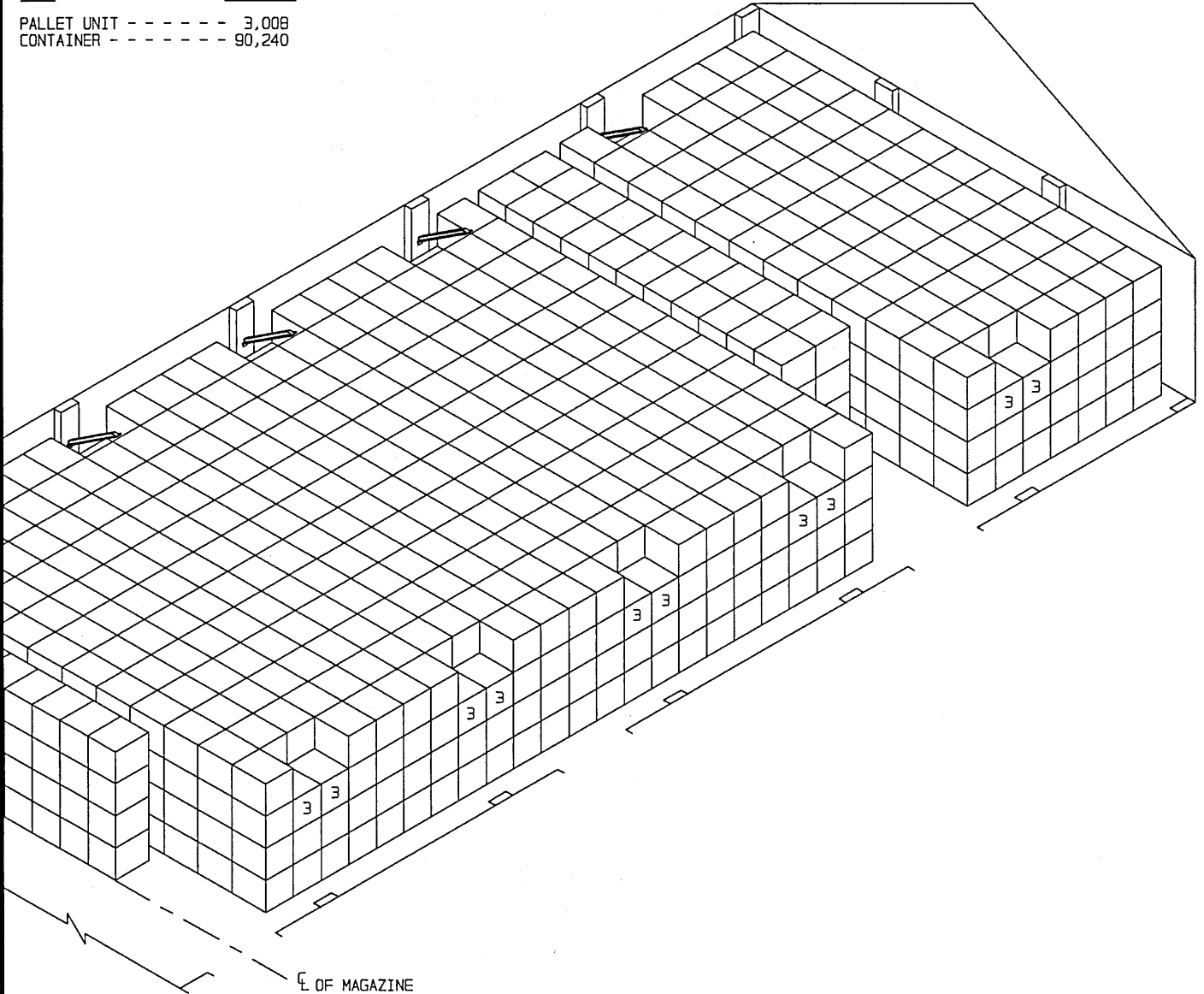
21" (APPROX)

PALLET STACKS WHICH ARE NOT NUMBERED ARE 4-HIGH.

SEE GENERAL NOTE "H" ON PAGE 2.

STORAGE IN 217'-4" L X 50'-3" W STANDARD MAGAZINE

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNIT - - - - -	3,008
CONTAINER - - - - -	90,240



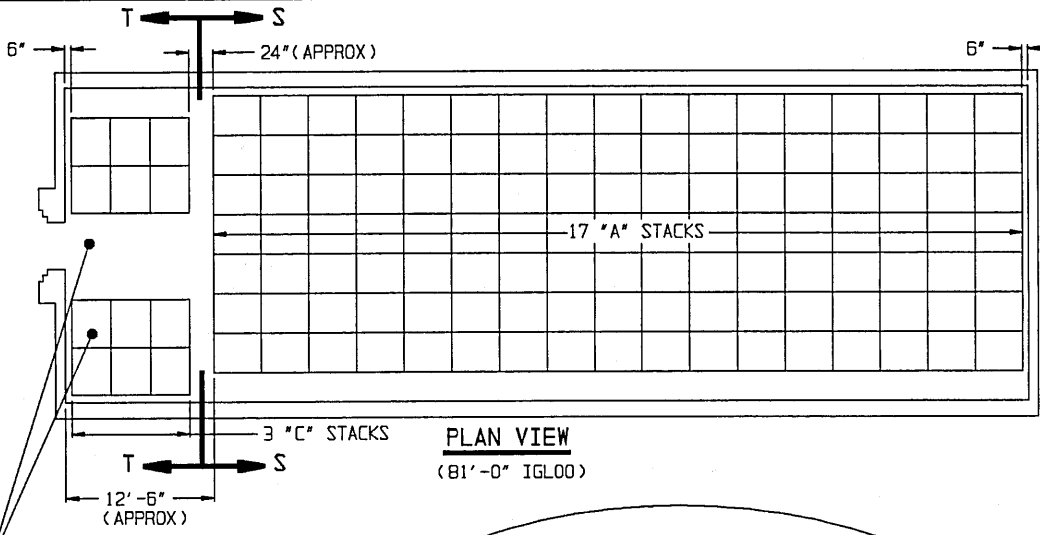
ISOMETRIC VIEW

ONE-HALF OF A STANDARD
MAGAZINE IS SHOWN.

FOR "GENERAL NOTES", SEE PAGE 2.

STORAGE IN 81'-0" IGL00
(12'-9" HIGH)

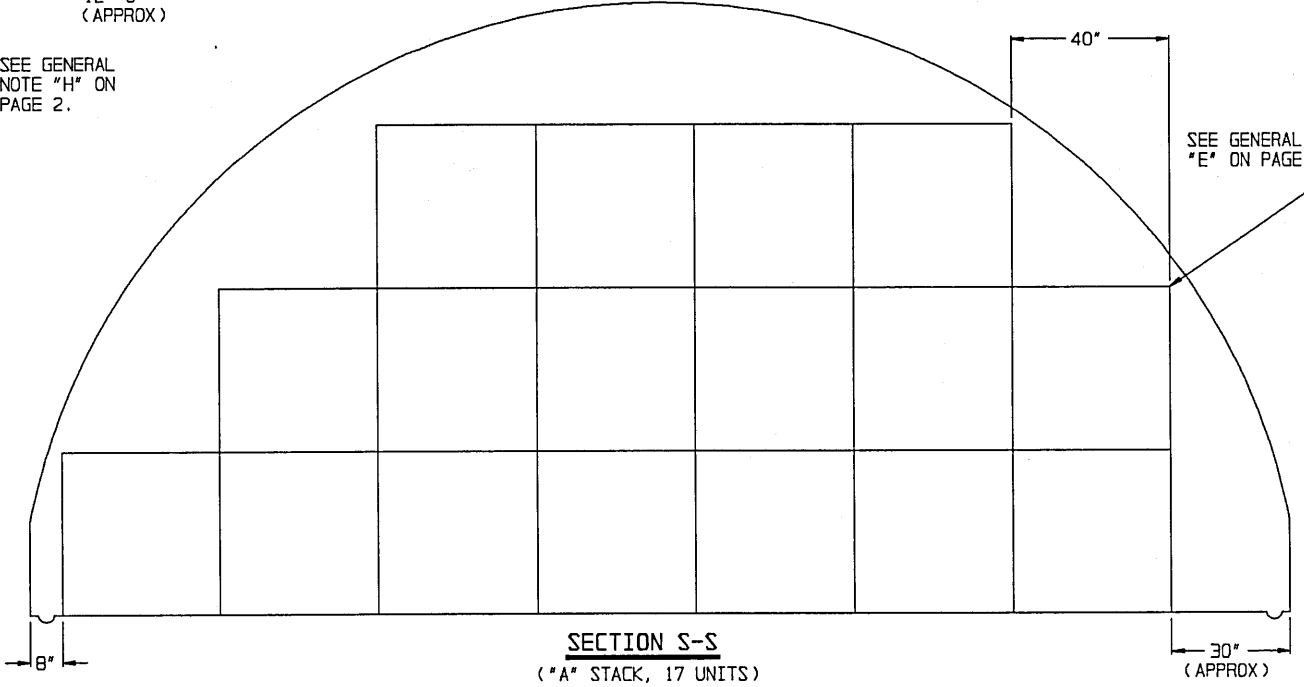
ITEM	QUANTITY
PALLET UNIT - - - - -	310
CONTAINER - - - - -	9,300



PLAN VIEW
(81'-0" IGL00)

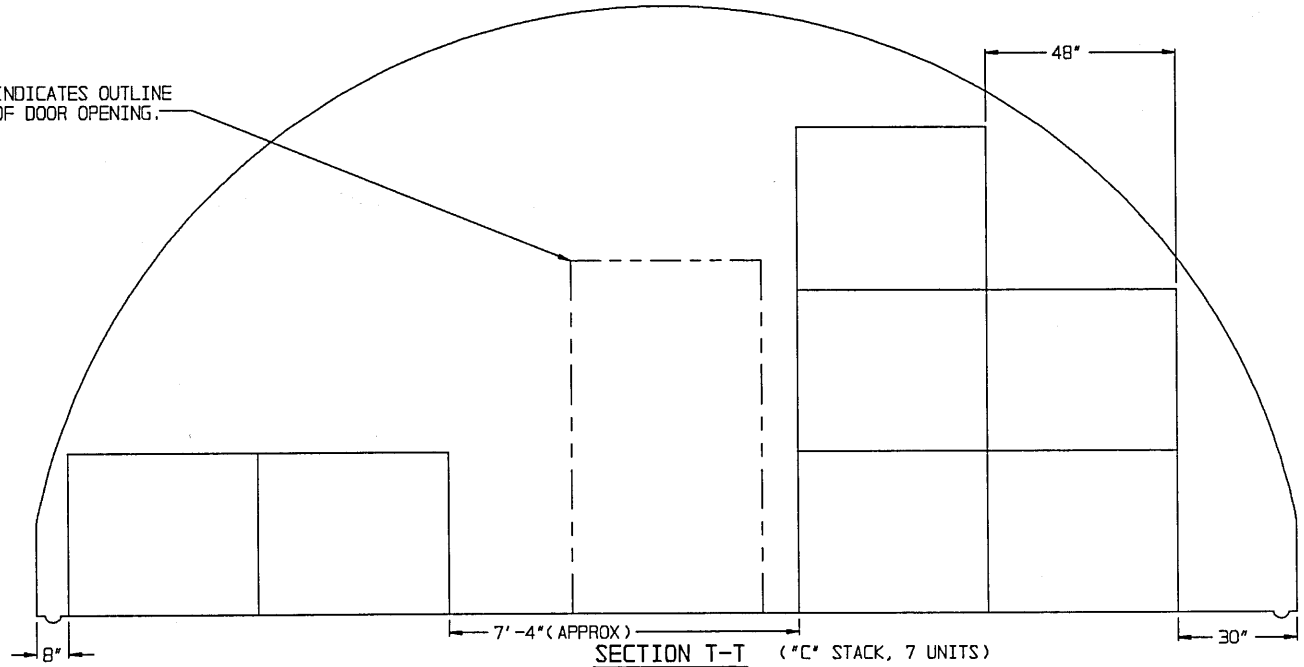
SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.



SECTION S-S
(*A" STACK, 17 UNITS)

INDICATES OUTLINE OF DOOR OPENING.



SECTION T-T (*C" STACK, 7 UNITS)

STORAGE PROCEDURES IN 81'-0", 60'-8", AND 40'-4" L X 26'-6" W X 12'-9" H IGL00 MAGAZINES

STORAGE IN 60'-8" IGLOO

(12'-9" HIGH)

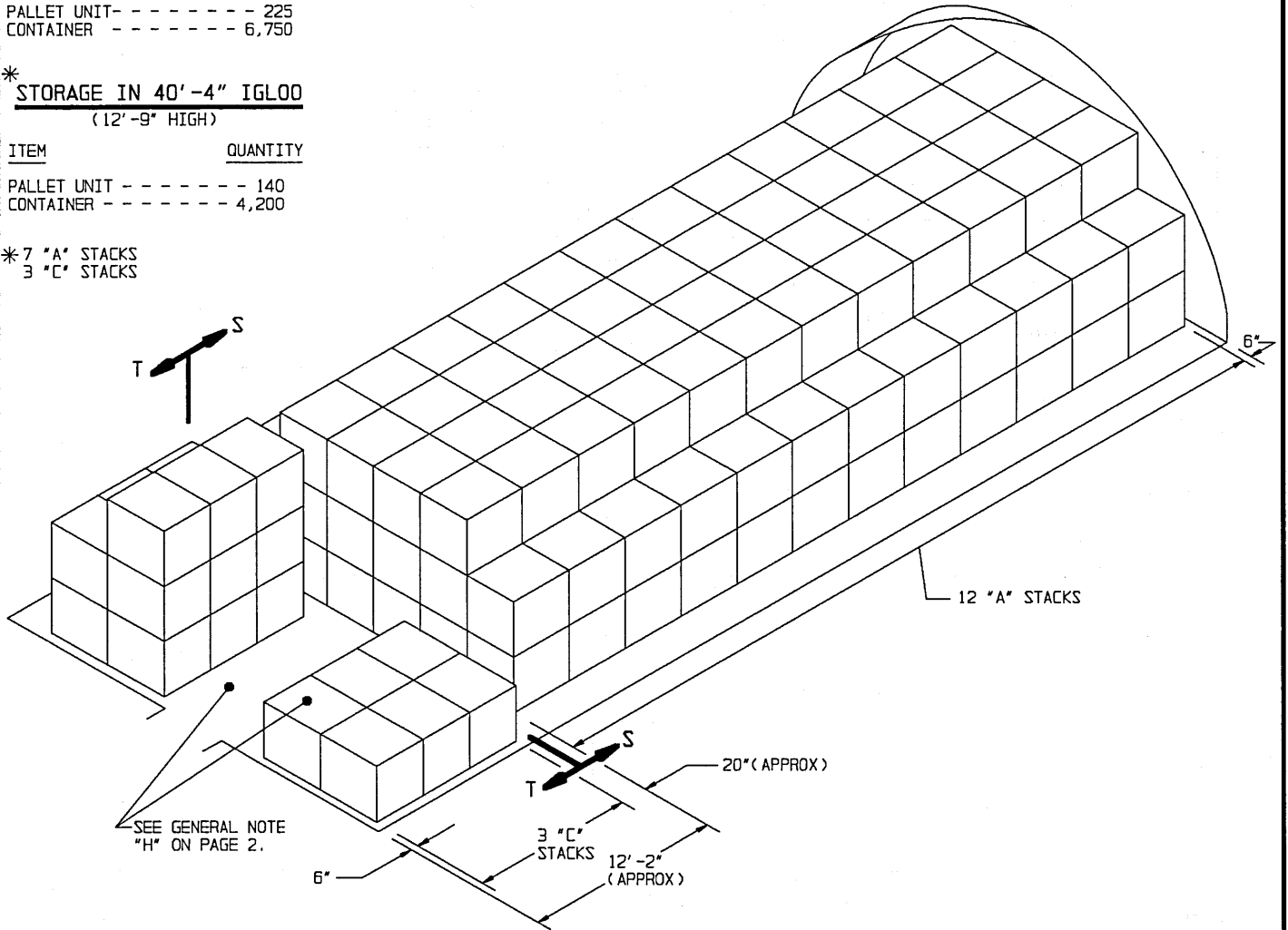
ITEM	QUANTITY
PALLET UNIT - - - - -	225
CONTAINER - - - - -	6,750

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

(12'-9" HIGH)

ITEM	QUANTITY
PALLET UNIT - - - - -	140
CONTAINER - - - - -	4,200

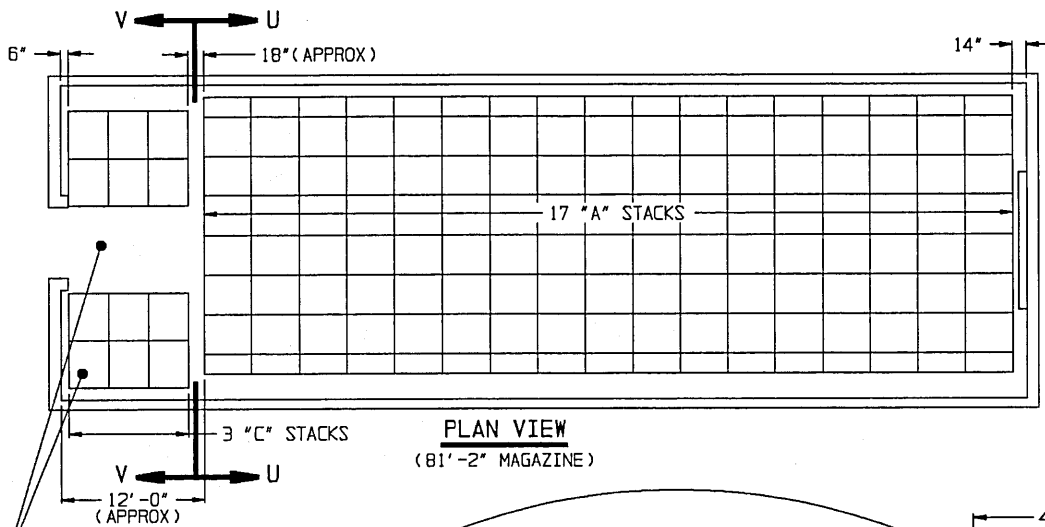
* 7 "A" STACKS
3 "C" STACKS



ISOMETRIC VIEW

(60'-8" IGLOO)

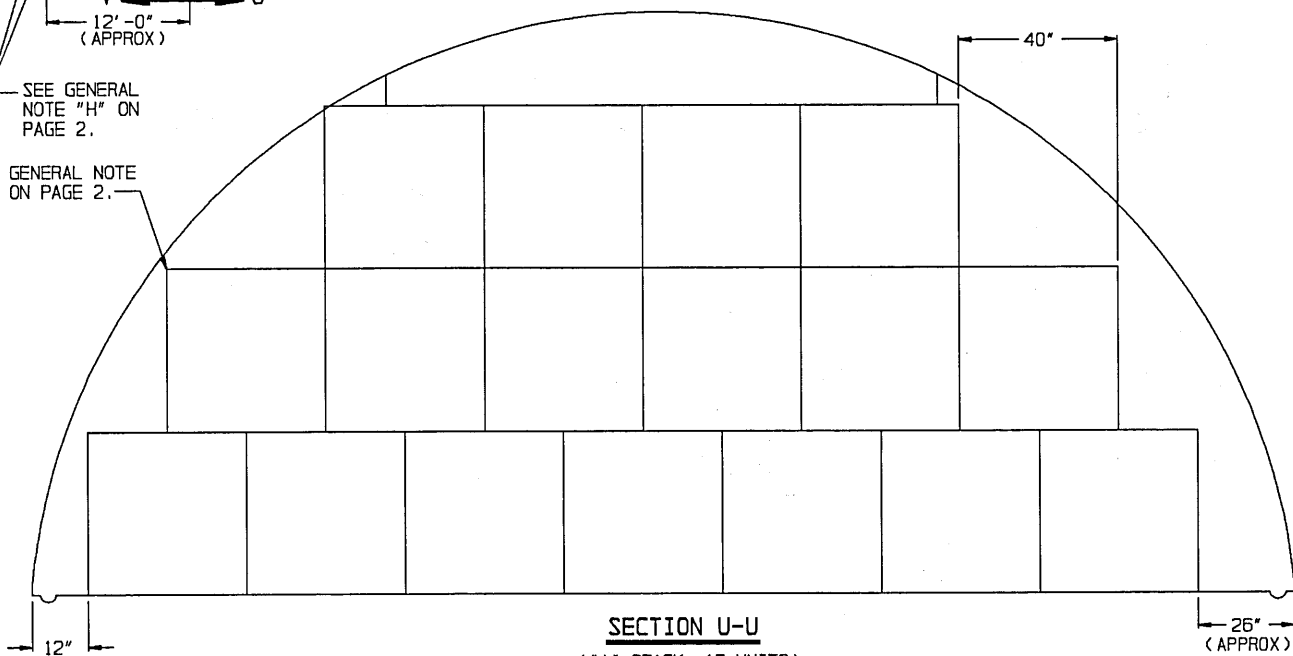
FOR "GENERAL NOTES", SEE PAGE 2.



PLAN VIEW
(81'-2" MAGAZINE)

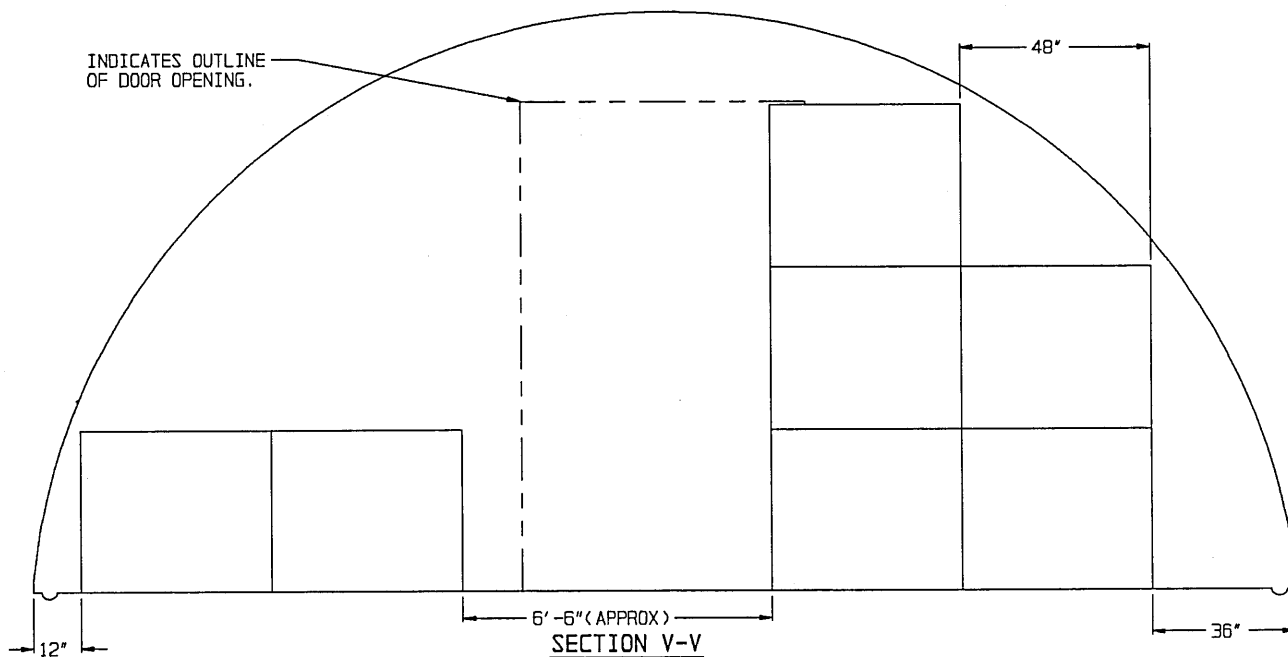
SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.



SECTION U-U
("A" STACK, 17 UNITS)

INDICATES OUTLINE OF DOOR OPENING.

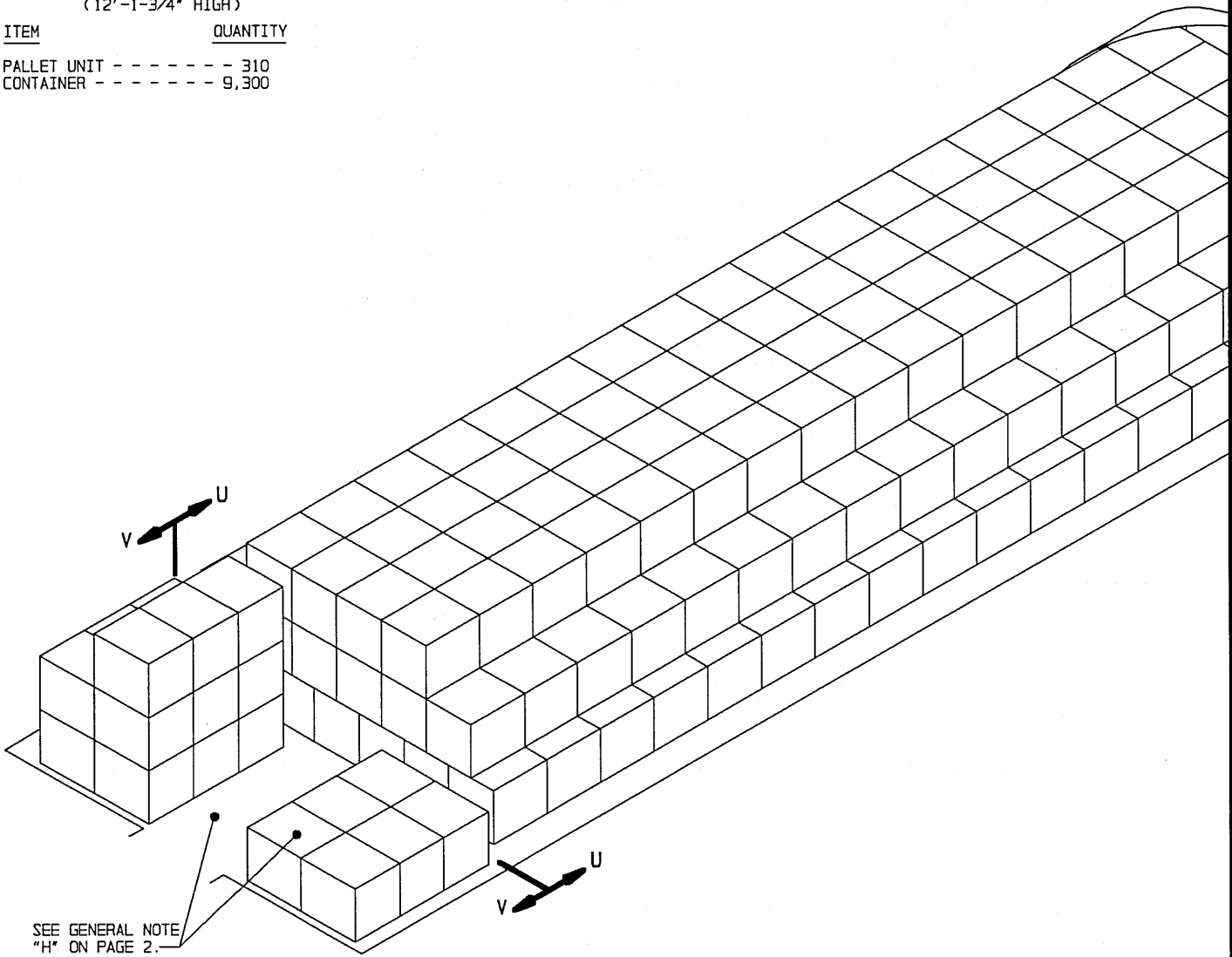


SECTION V-V
("C" STACK, 7 UNITS)

STORAGE IN 81'-2" MAGAZINE

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

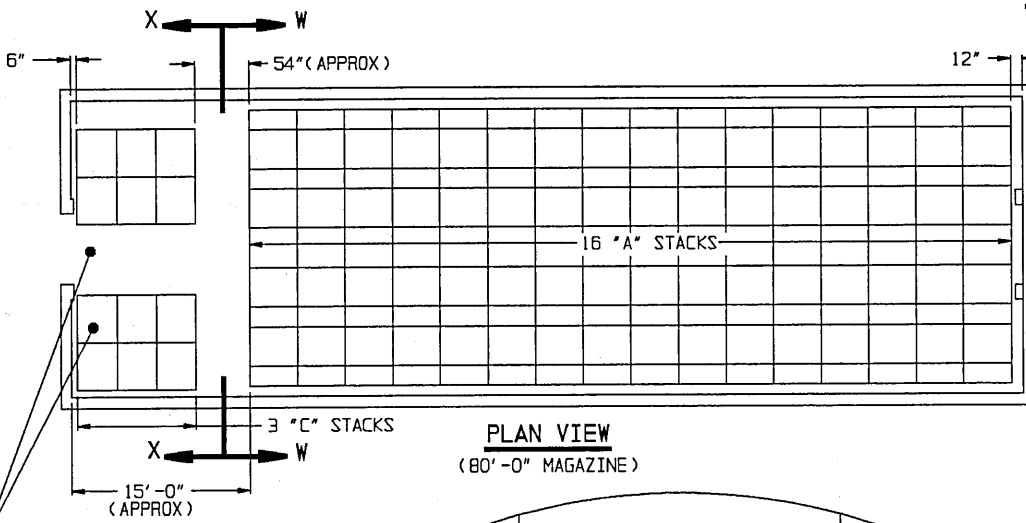
<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNIT - - - - -	310
CONTAINER - - - - -	9,300



ISOMETRIC VIEW
(81'-2" MAGAZINE)

FOR "GENERAL NOTES", SEE PAGE 2.

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

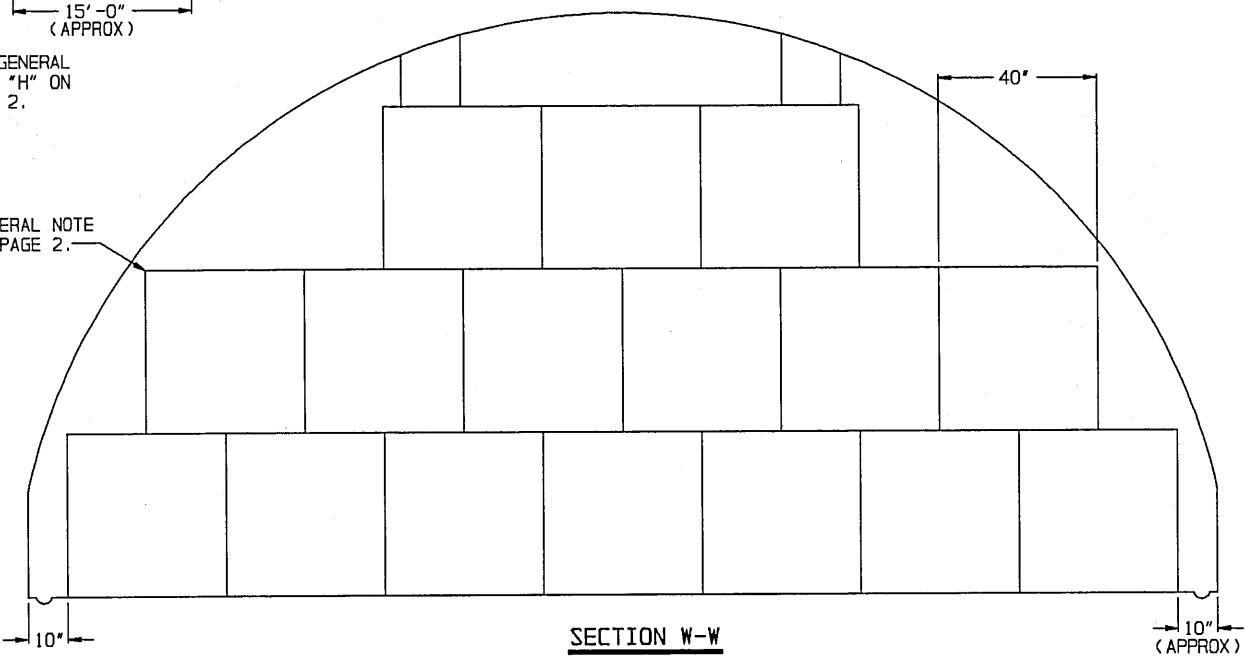


ITEM	QUANTITY
PALLET UNIT - - - - -	277
CONTAINER - - - - -	8,310

PLAN VIEW
(80'-0" MAGAZINE)

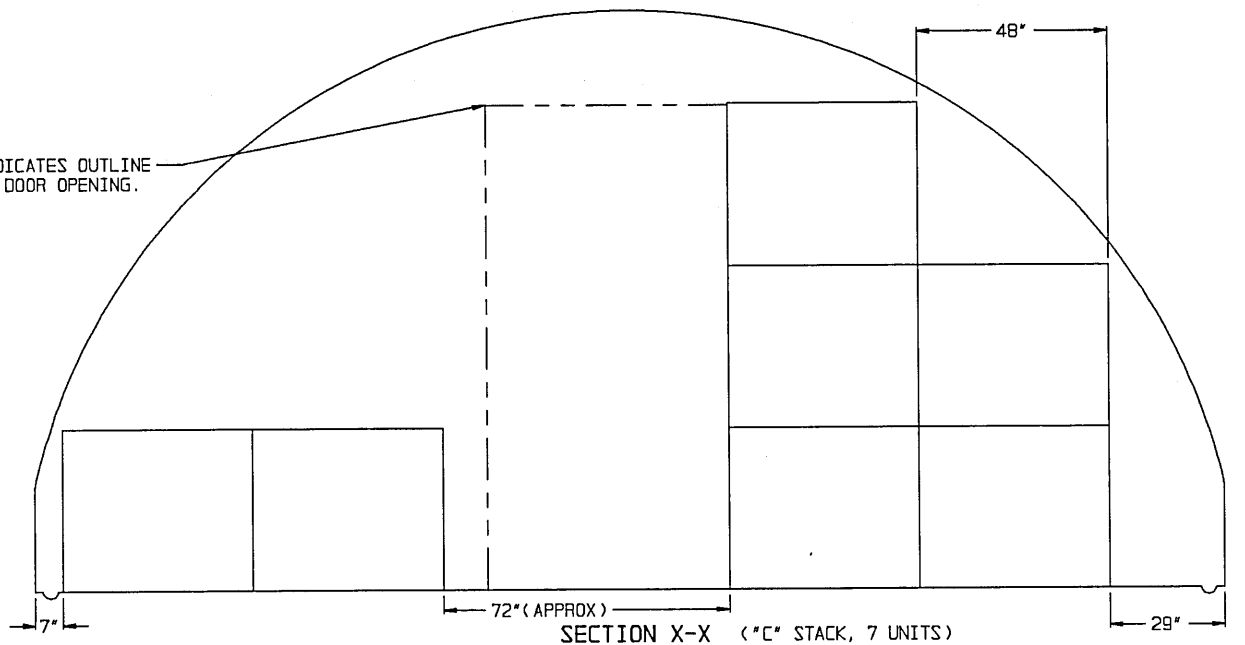
SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.



SECTION W-W
("A" STACK, 16 UNITS)

INDICATES OUTLINE OF DOOR OPENING.



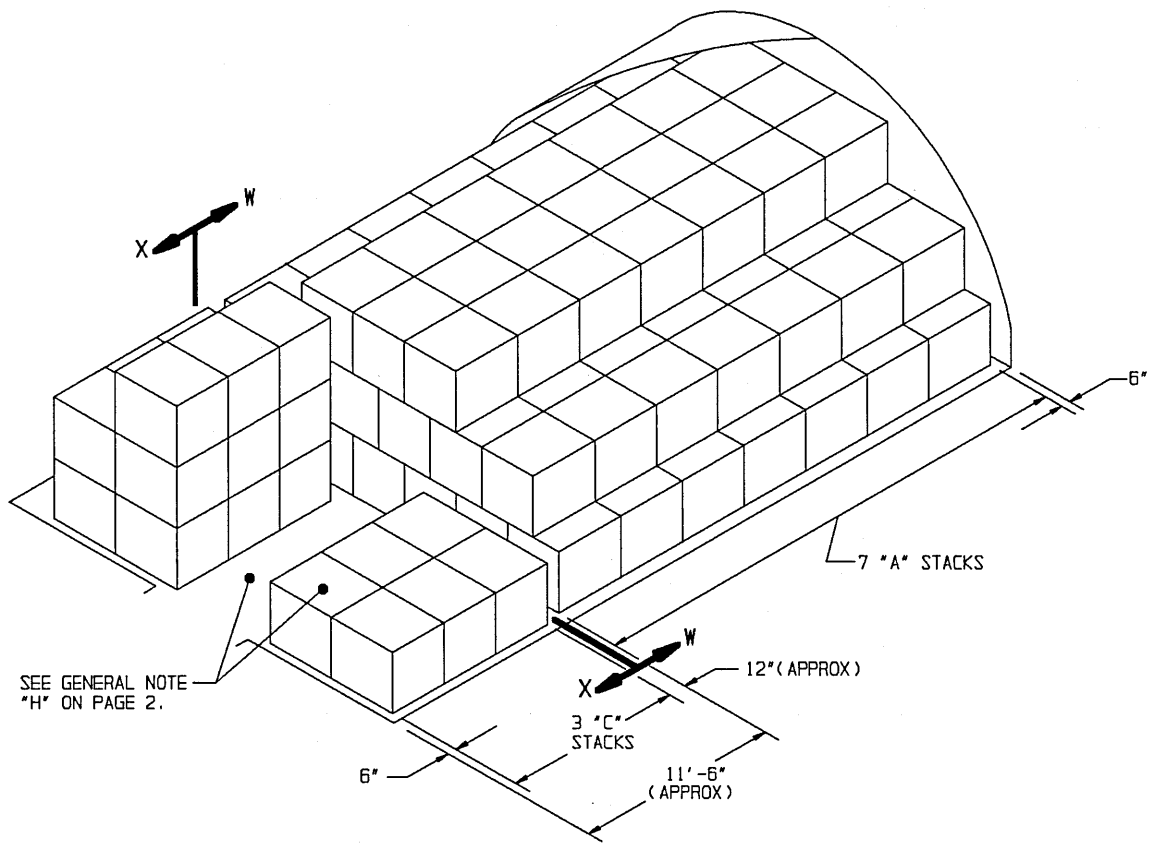
SECTION X-X ("C" STACK, 7 UNITS)

STORAGE PROCEDURES IN 80'-0" AND 40'-0" L X 25'-0" W X 12'-1-3/4" H ARCH TYPE MAGAZINES

STORAGE IN 40'-0" MAGAZINE

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

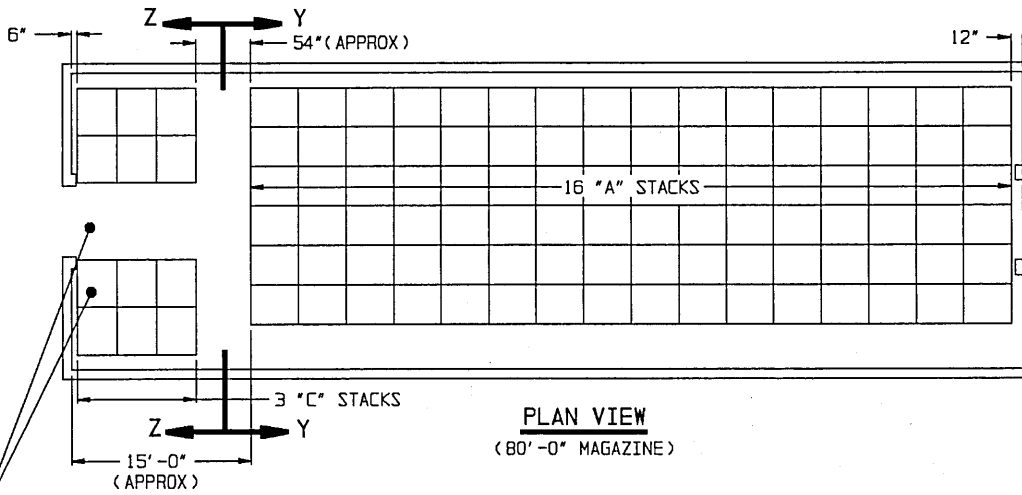
ITEM	QUANTITY
PALLET UNIT - - - - -	133
CONTAINER - - - - -	3,990



ISOMETRIC VIEW
(40'-0" MAGAZINE)

FOR "GENERAL NOTES", SEE PAGE 2.

STORAGE IN 80'-0" MAGAZINE
(11'-0" HIGH)

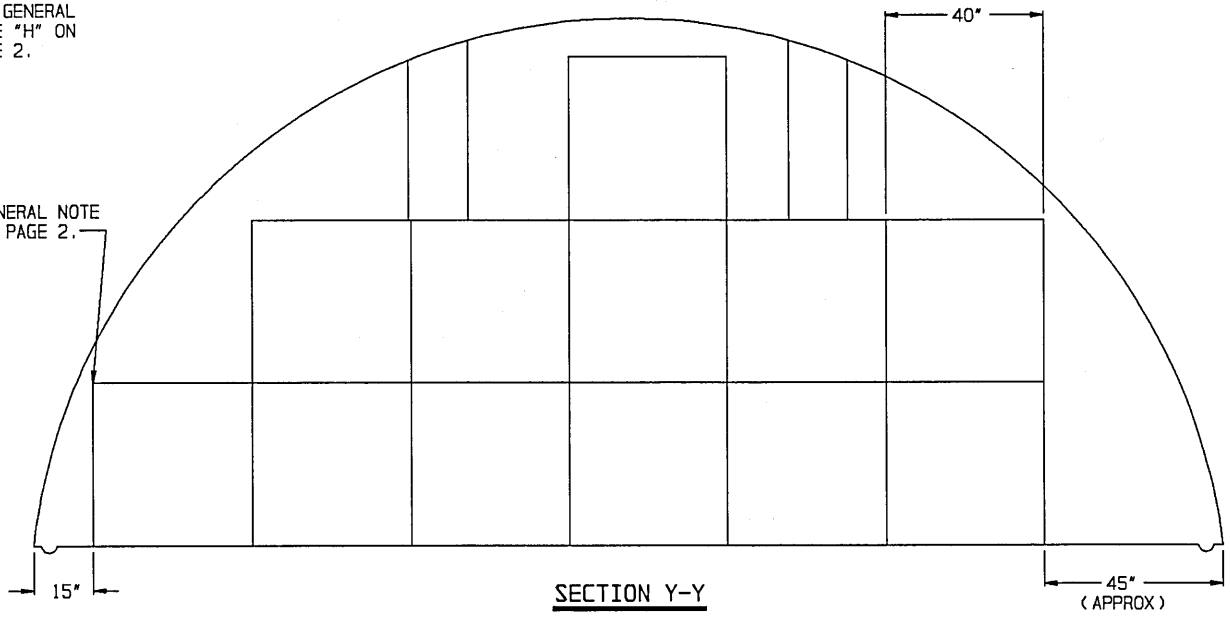


ITEM	QUANTITY
PALLET UNIT - - - - -	207
CONTAINER - - - - -	6,210

PLAN VIEW
(80'-0" MAGAZINE)

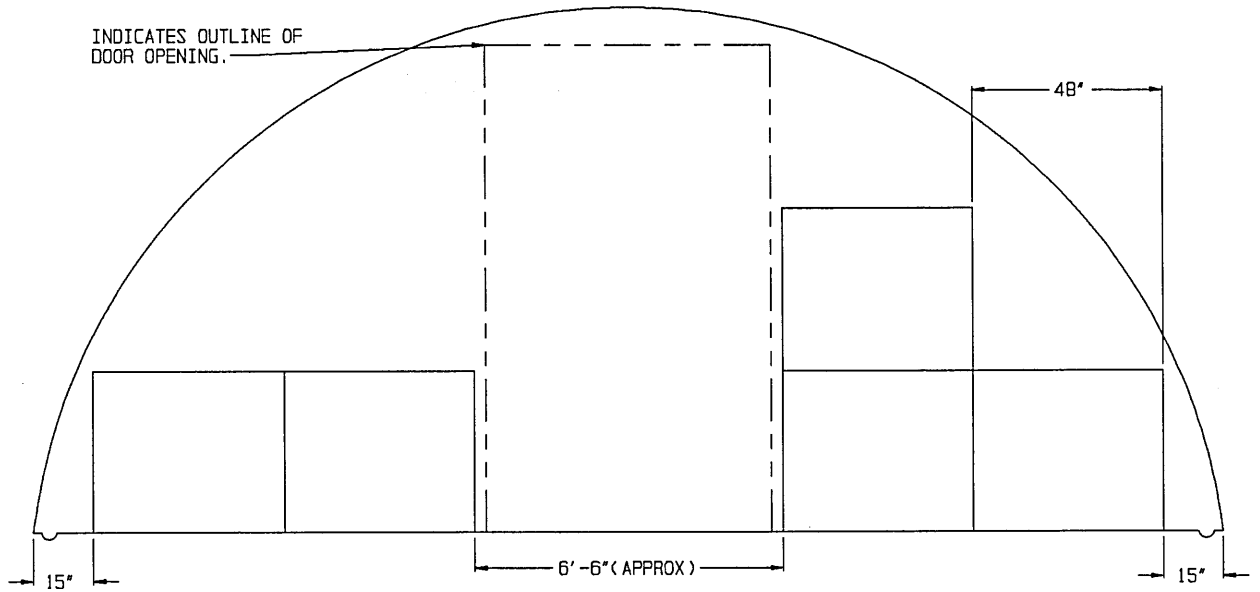
SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.



SECTION Y-Y
("A" STACK, 12 UNITS)

INDICATES OUTLINE OF DOOR OPENING.

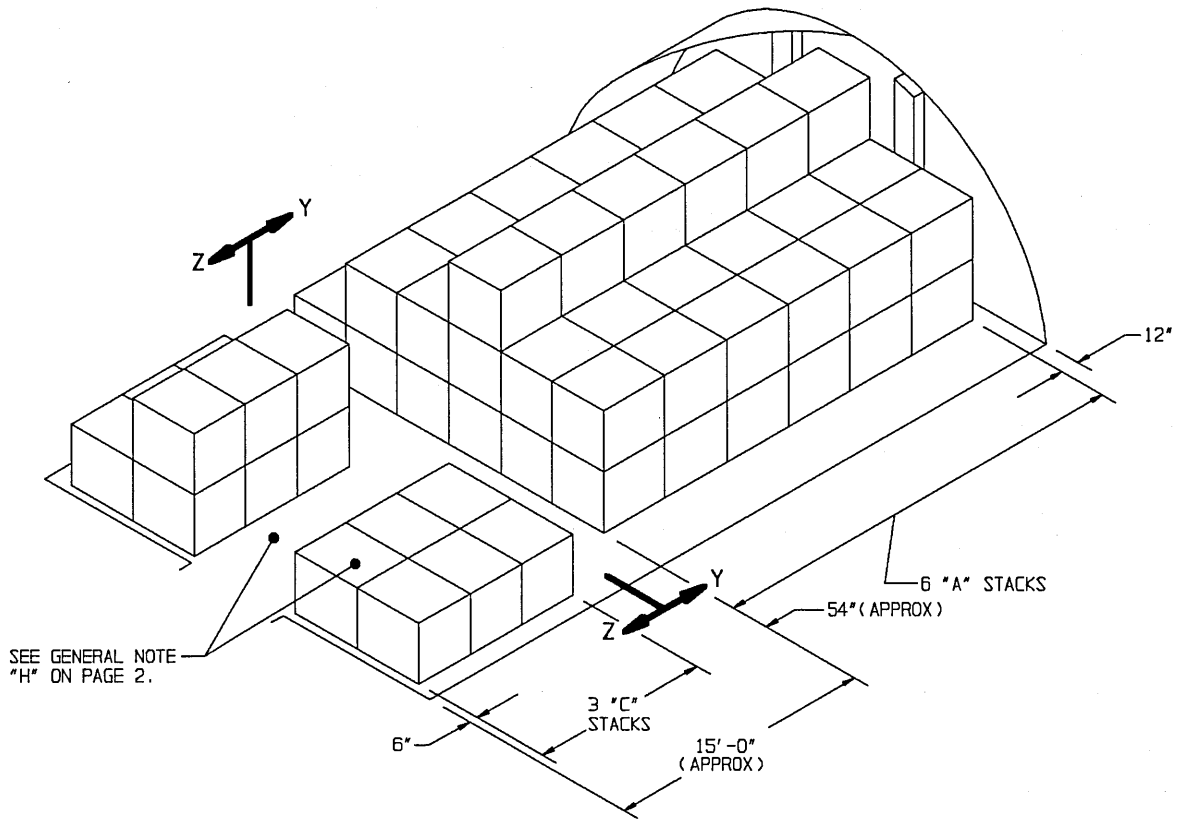


SECTION Z-Z ("C" STACK, 5 UNITS)

STORAGE IN 40'-0" MAGAZINE

(11'-0" HIGH)

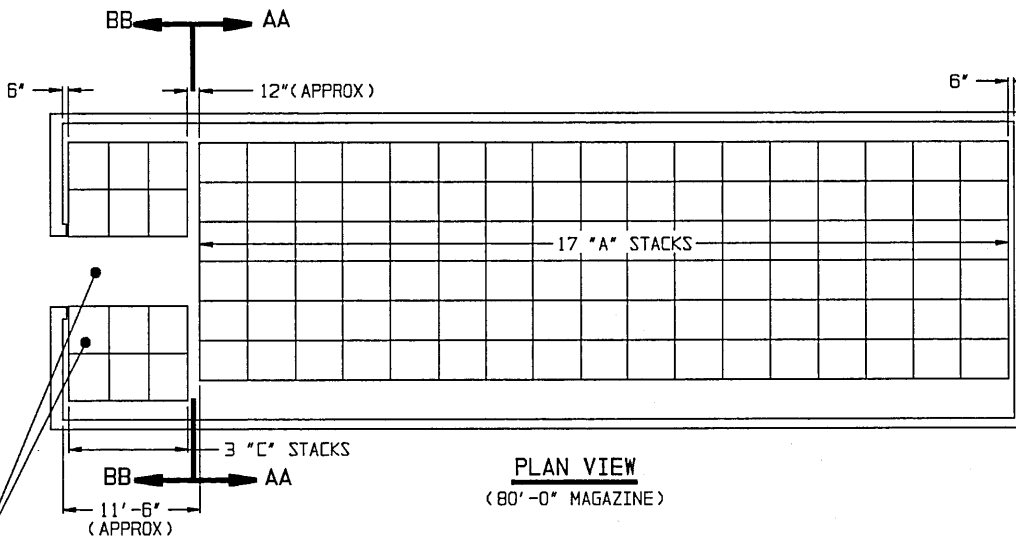
ITEM	QUANTITY
PALLET UNIT - - - - -	87
CONTAINER - - - - -	2,610



ISOMETRIC VIEW
(40'-0" MAGAZINE)

FOR "GENERAL NOTES", SEE PAGE 2.

STORAGE IN 80'-0" MAGAZINE
(10'-0" HIGH)

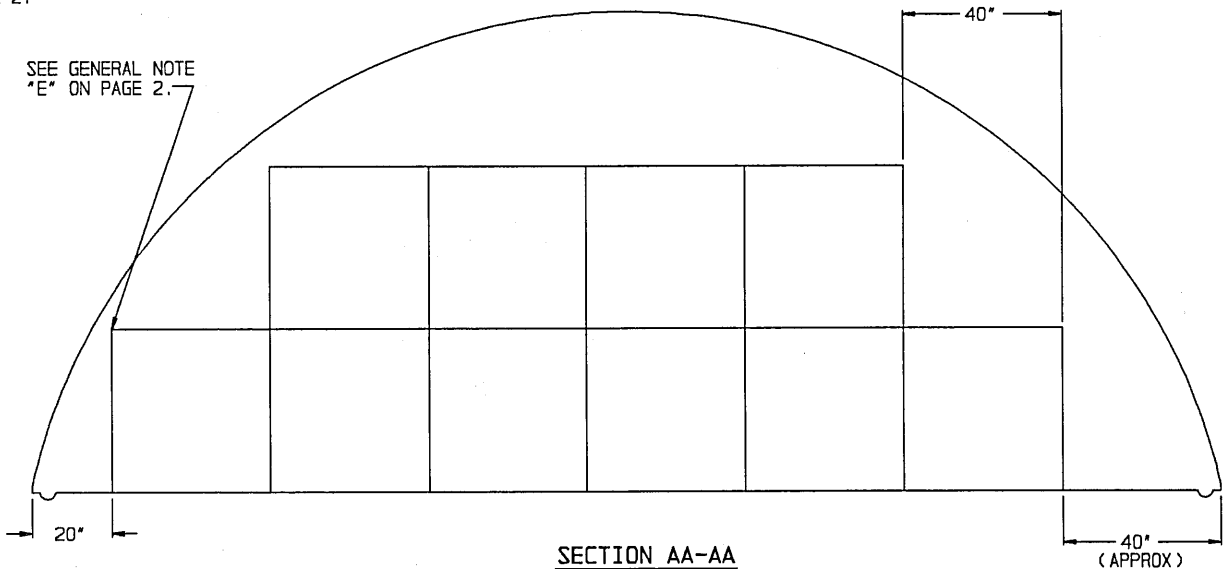


ITEM	QUANTITY
PALLET UNIT - - - - -	185
CONTAINER - - - - -	5,550

PLAN VIEW
(80'-0" MAGAZINE)

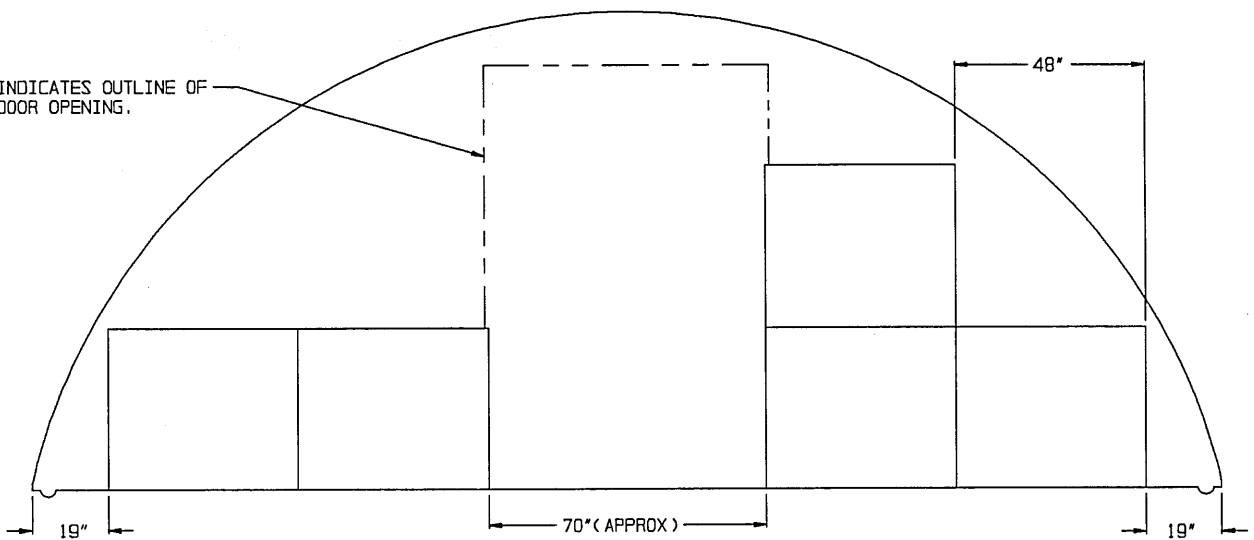
SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "E" ON PAGE 2.



SECTION AA-AA
(*A* STACK, 10 UNITS)

INDICATES OUTLINE OF DOOR OPENING.

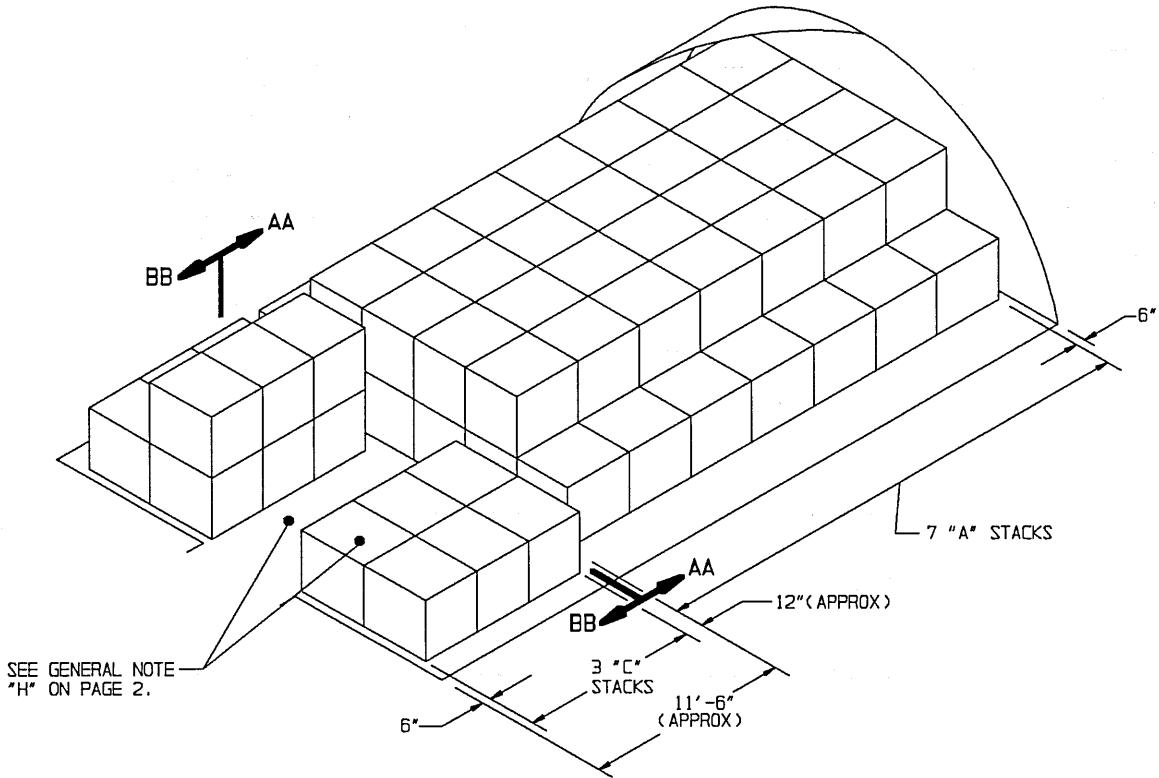


SECTION BB-BB (*C* STACK, 5 UNITS)

STORAGE IN 40'-0" MAGAZINE

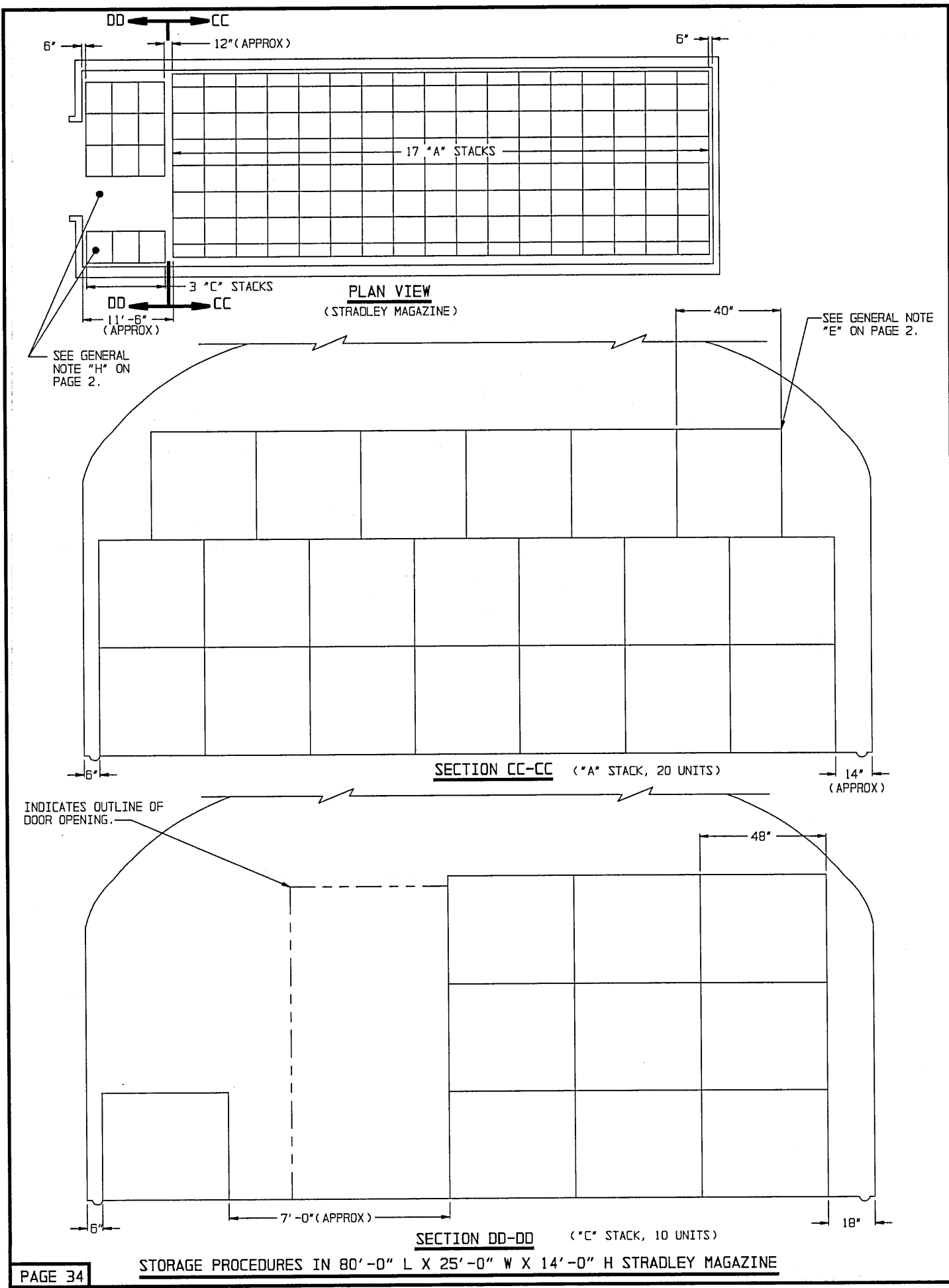
(10'-0" HIGH)

ITEM	QUANTITY
PALLET UNIT - - - - -	B5
CONTAINER - - - - -	2,550



ISOMETRIC VIEW
(40'-0" MAGAZINE)

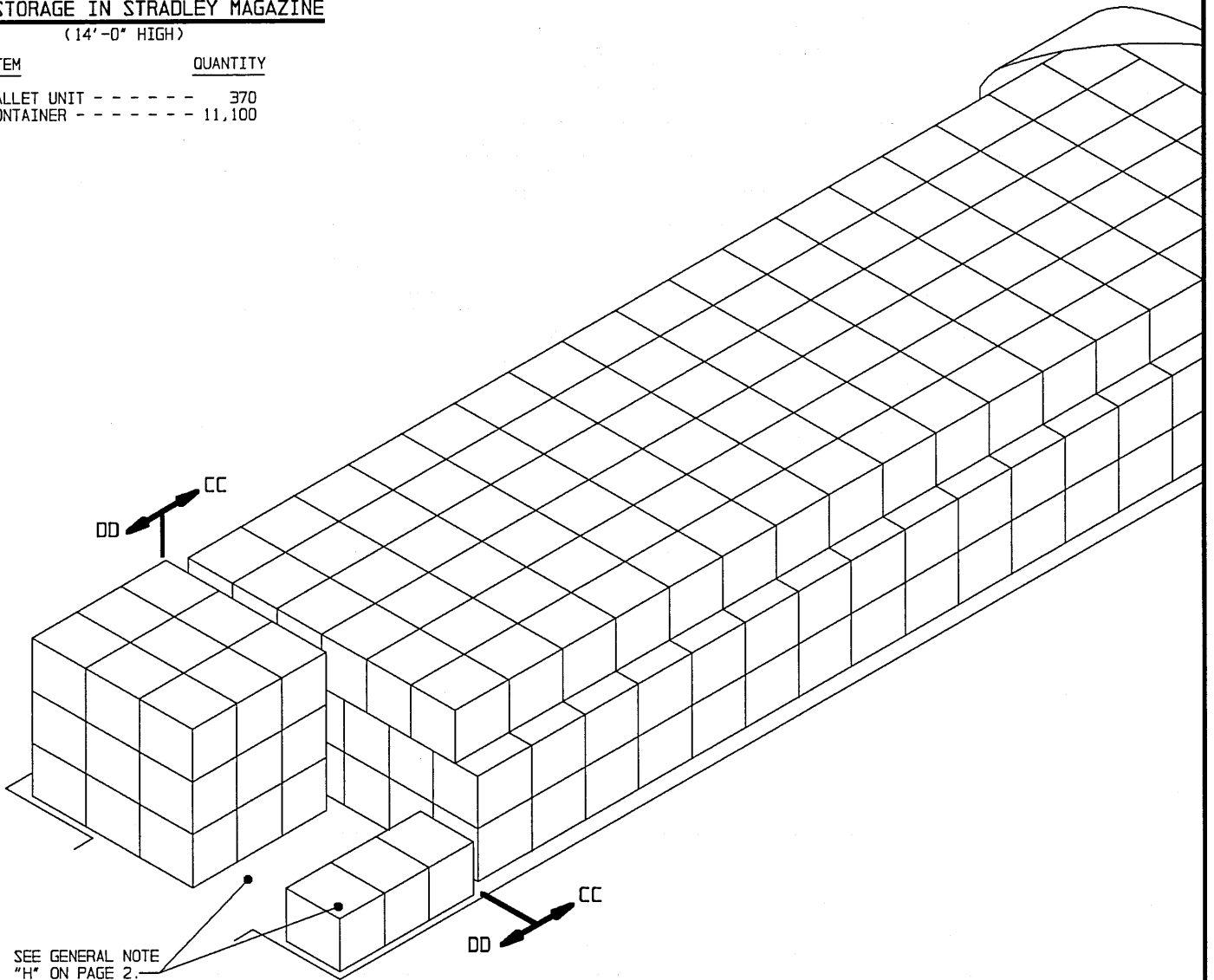
FOR "GENERAL NOTES", SEE PAGE 2.



STORAGE IN STRADLEY MAGAZINE

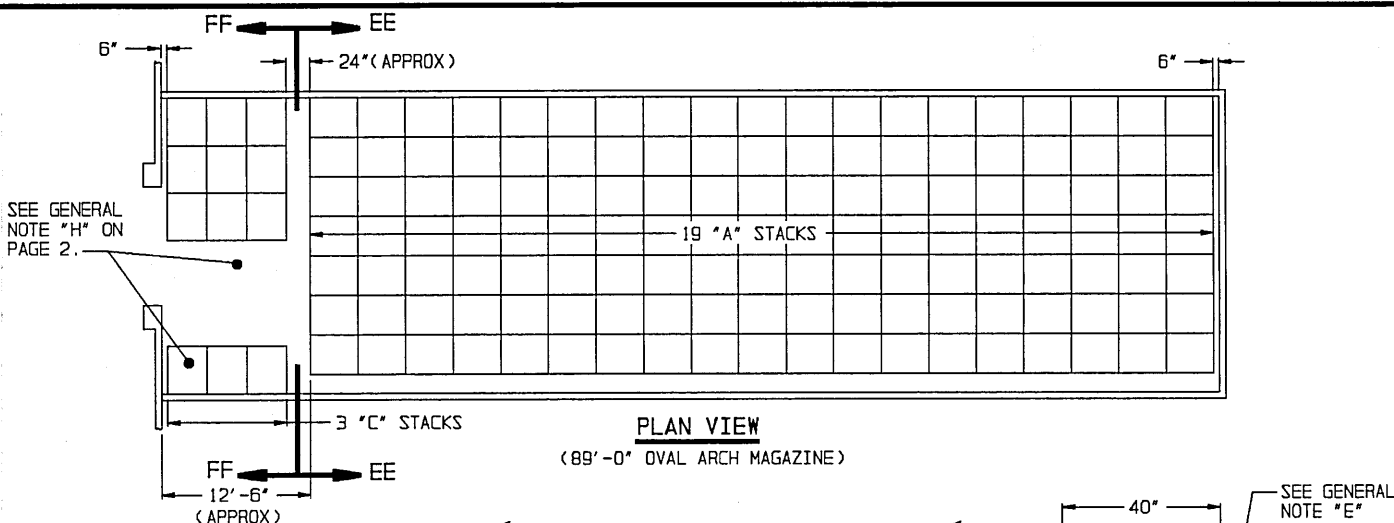
(14'-0" HIGH)

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNIT - - - - -	370
CONTAINER - - - - -	11,100

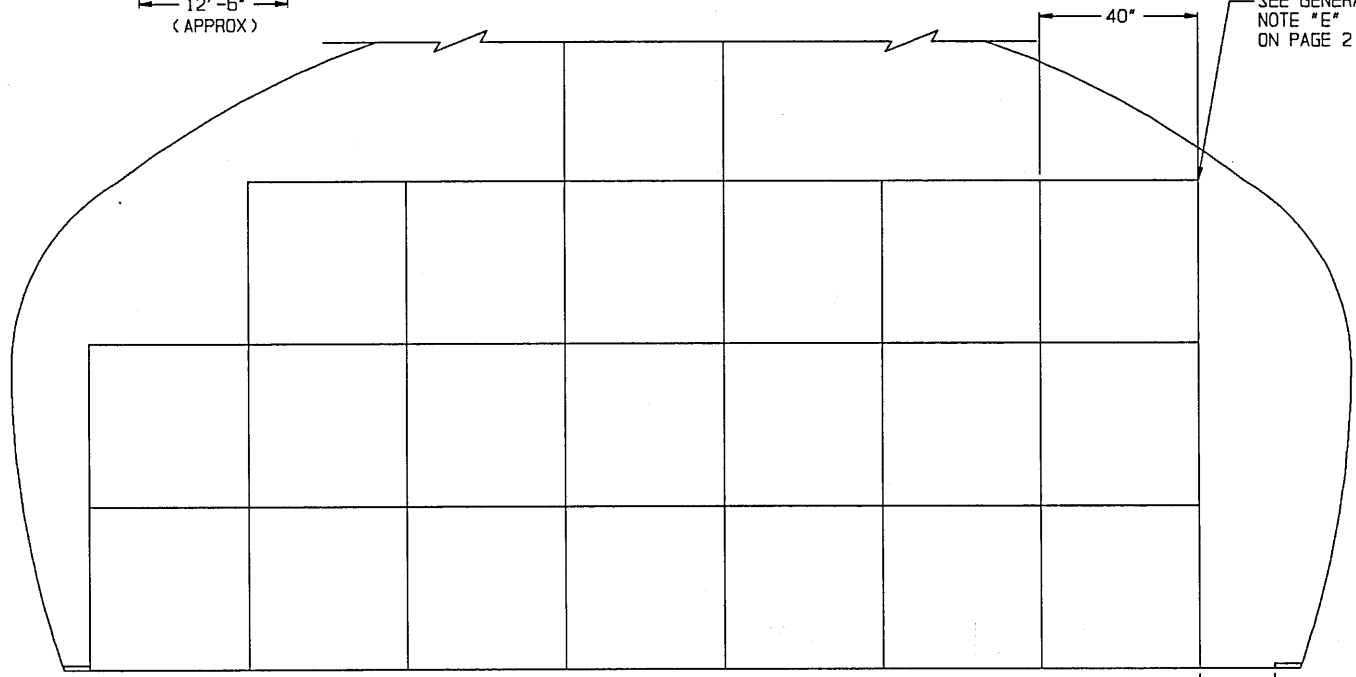


ISOMETRIC VIEW
(STRADLEY MAGAZINE)

FOR "GENERAL NOTES", SEE PAGE 2.



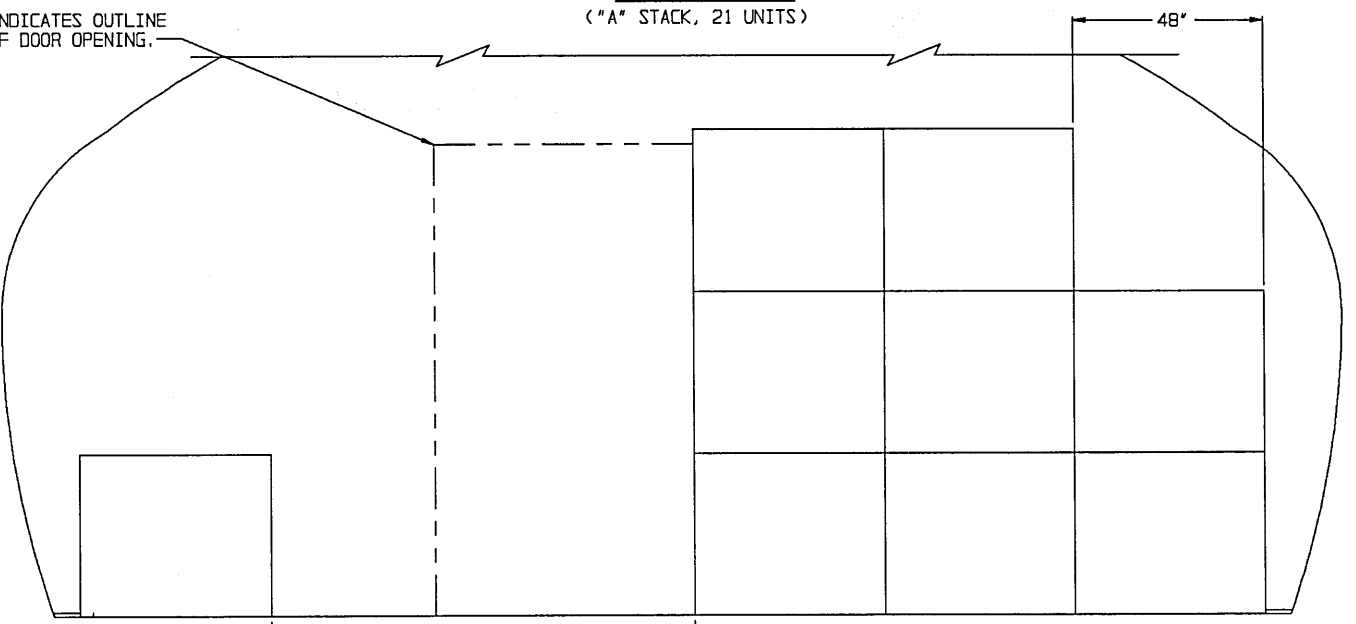
SEE GENERAL NOTE "E" ON PAGE 2.



SECTION EE-EE
("A" STACK, 21 UNITS)

18" (APPROX)

INDICATES OUTLINE OF DOOR OPENING.



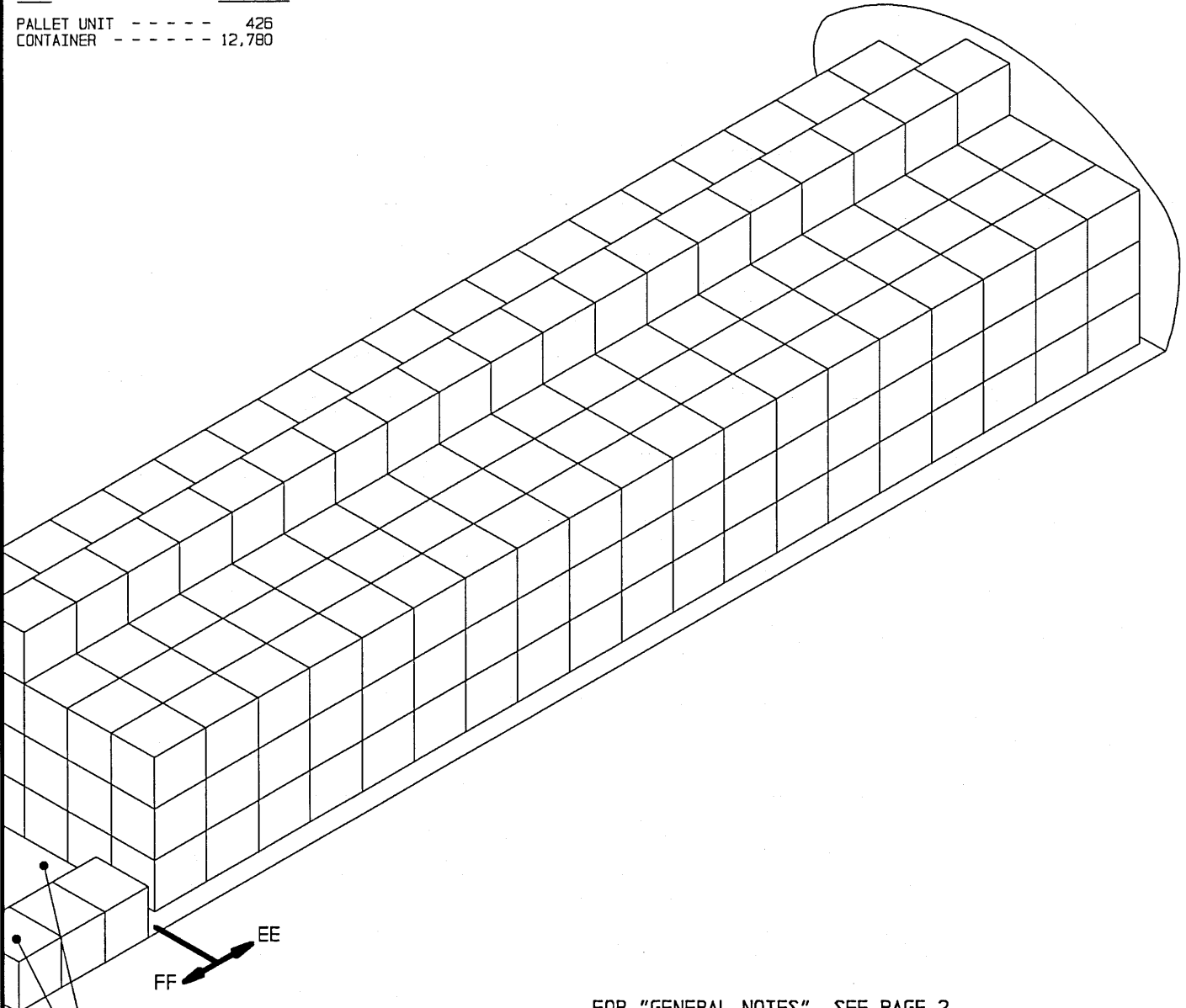
SECTION FF-FF ("C" STACK, 9 UNITS)

STORAGE PROCEDURES IN 89'-0" L X 24'-10" W X 14'-4" H OVAL ARCH MAGAZINE

STORAGE IN 89'-0" OVAL ARCH MAGAZINE

(14'-4" HIGH)

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNIT - - - - -	426
CONTAINER - - - - -	12,780



ISOMETRIC VIEW

(89'-0" OVAL ARCH MAGAZINE)

SEE GENERAL NOTE
"H" ON PAGE 2.

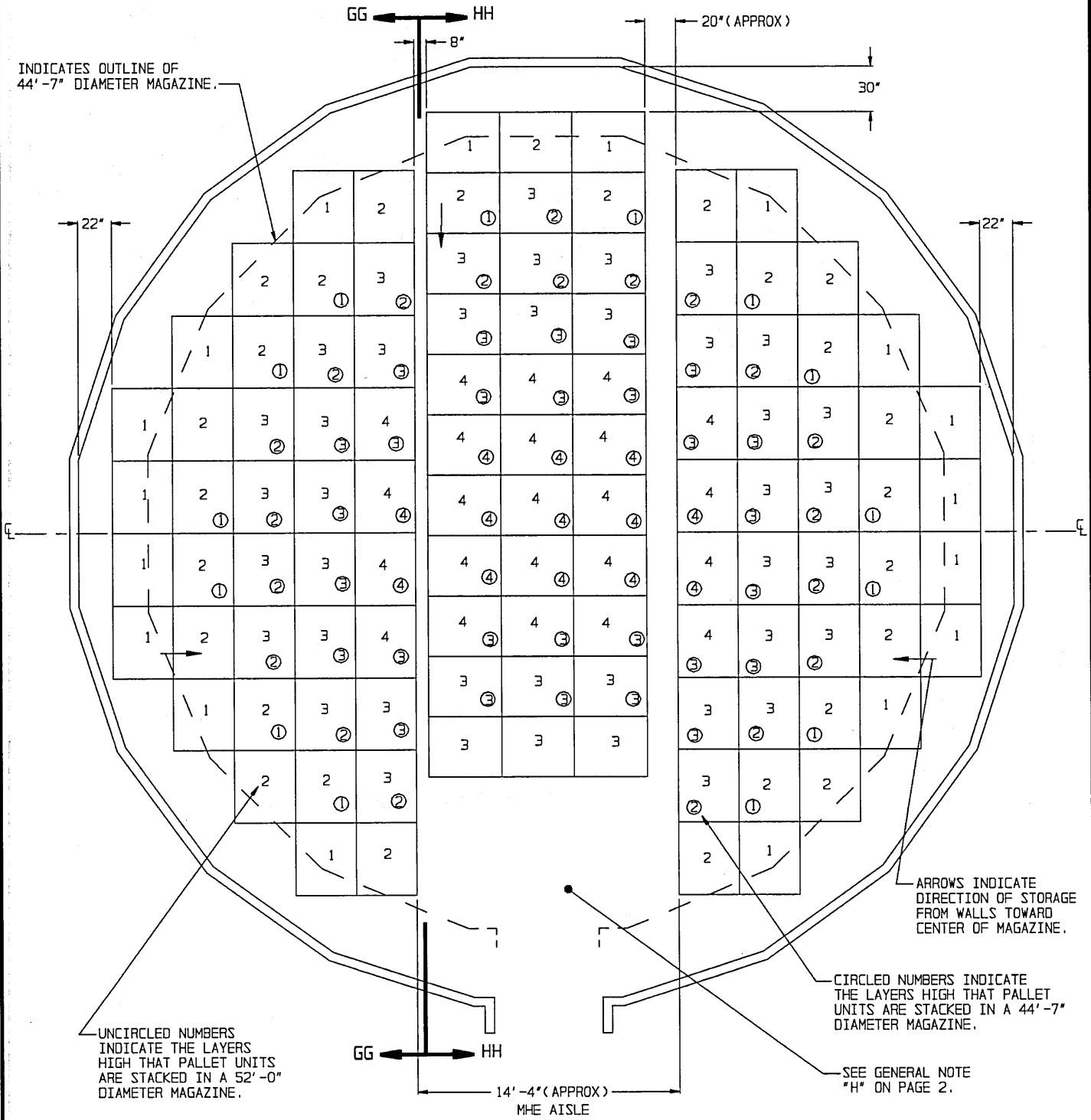
FOR "GENERAL NOTES", SEE PAGE 2.

STORAGE IN 44'-7" DIA MAGAZINE

STORAGE IN 52'-0" DIA MAGAZINE

ITEM	QUANTITY
PALLET UNIT - - - - -	190
CONTAINER - - - - -	5,700

ITEM	QUANTITY
PALLET UNIT - - - - -	287
CONTAINER - - - - -	8,610

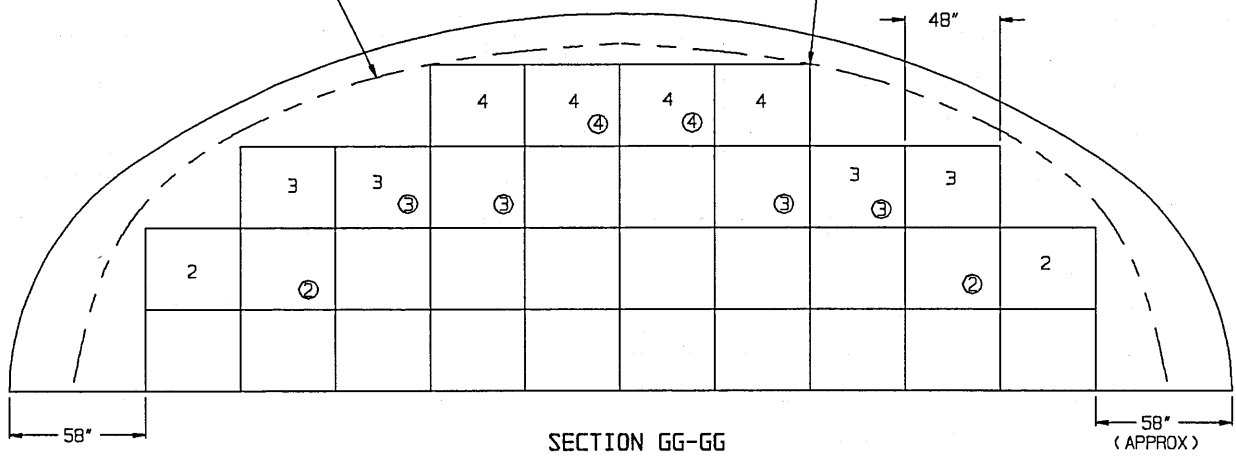


PLAN VIEW

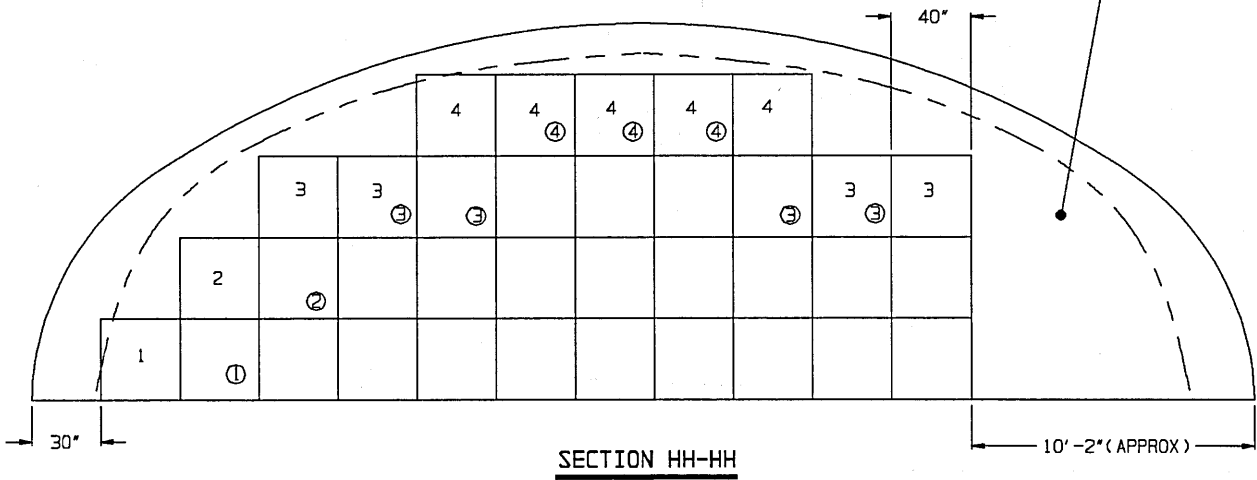
STORAGE PROCEDURES IN 52'-0" AND 44'-7" DIA CORBETTA MAGAZINES

INDICATES OUTLINE OF
44'-7" DIAMETER MAGAZINE.

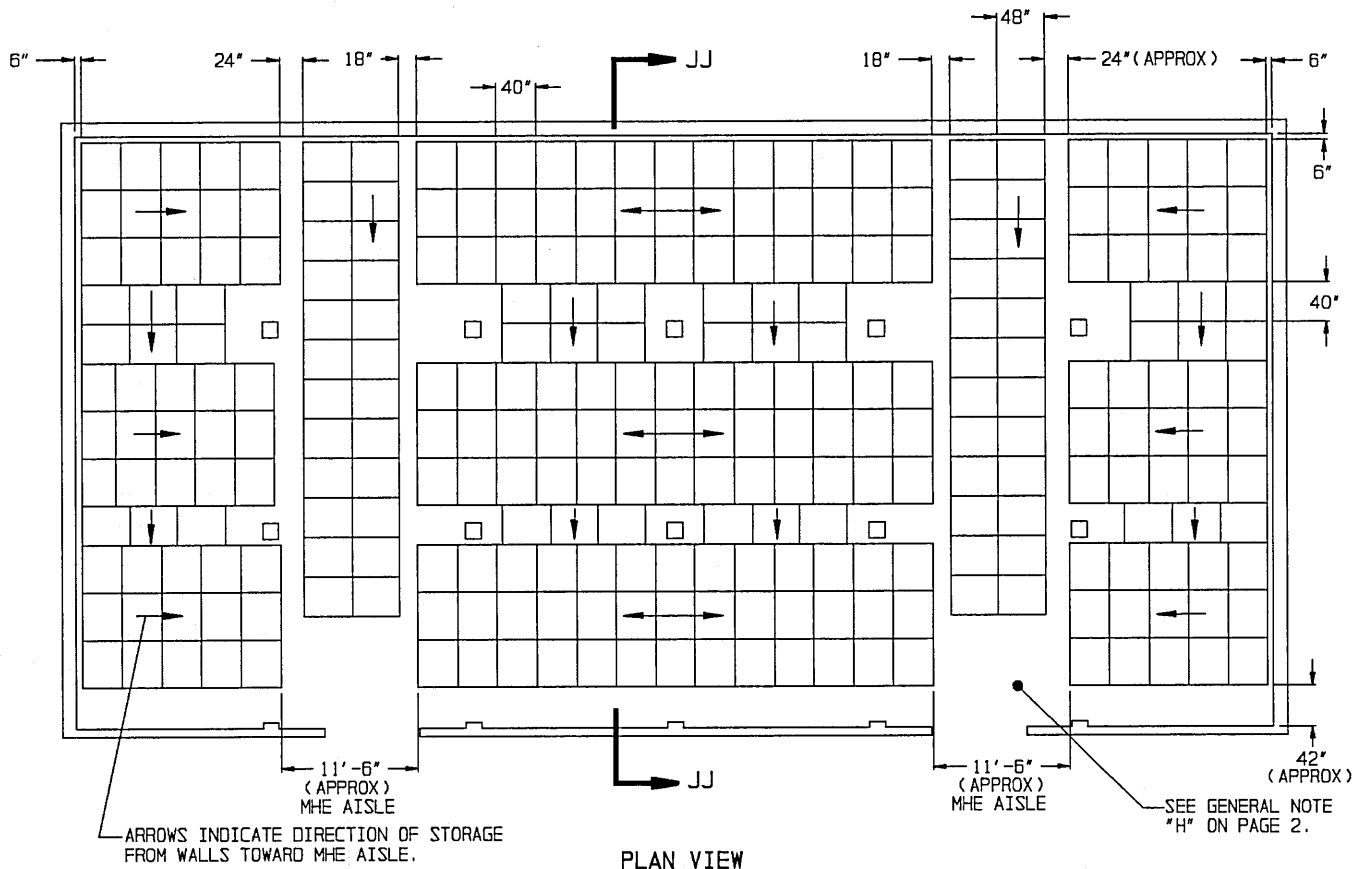
SEE GENERAL NOTE
"E" ON PAGE 2.



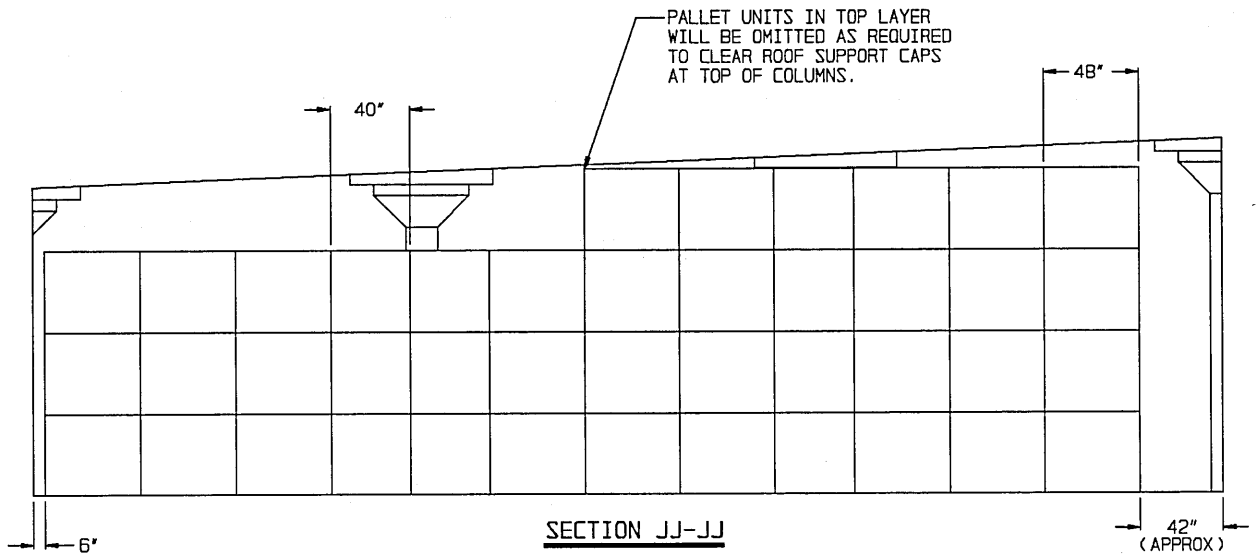
ONLY ONE ROW OF PALLET UNITS
IS SHOWN IN THIS SECTION. UNITS
LOCATED IN ADJACENT ROWS HAVE
NOT BEEN SHOWN FOR CLARITY
PURPOSES.



FOR "GENERAL NOTES", SEE PAGE 2.

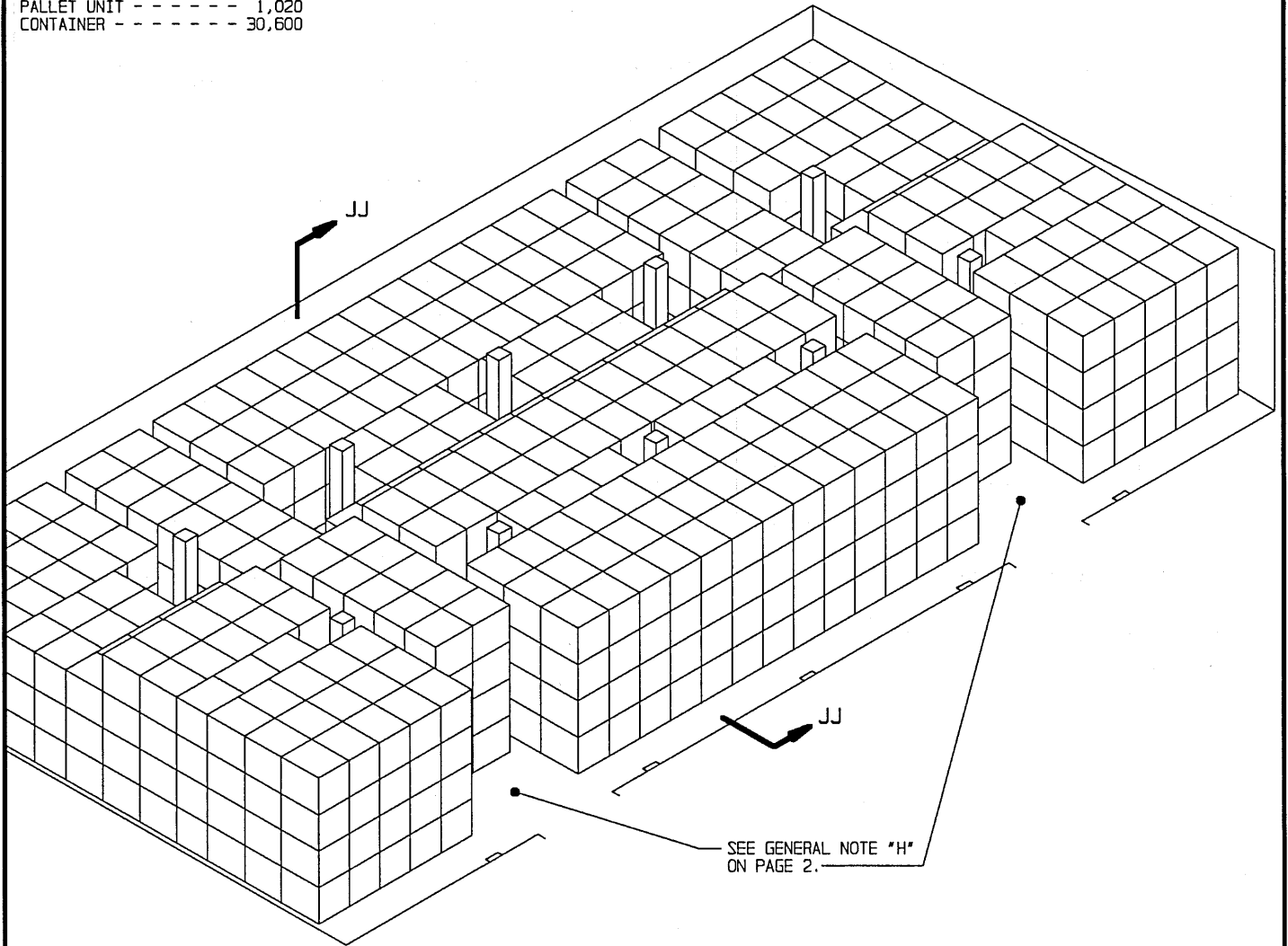


PLAN VIEW
(100'-8" X 50'-0" MAGAZINE)



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

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNIT - - - - -	1,020
CONTAINER - - - - -	30,600

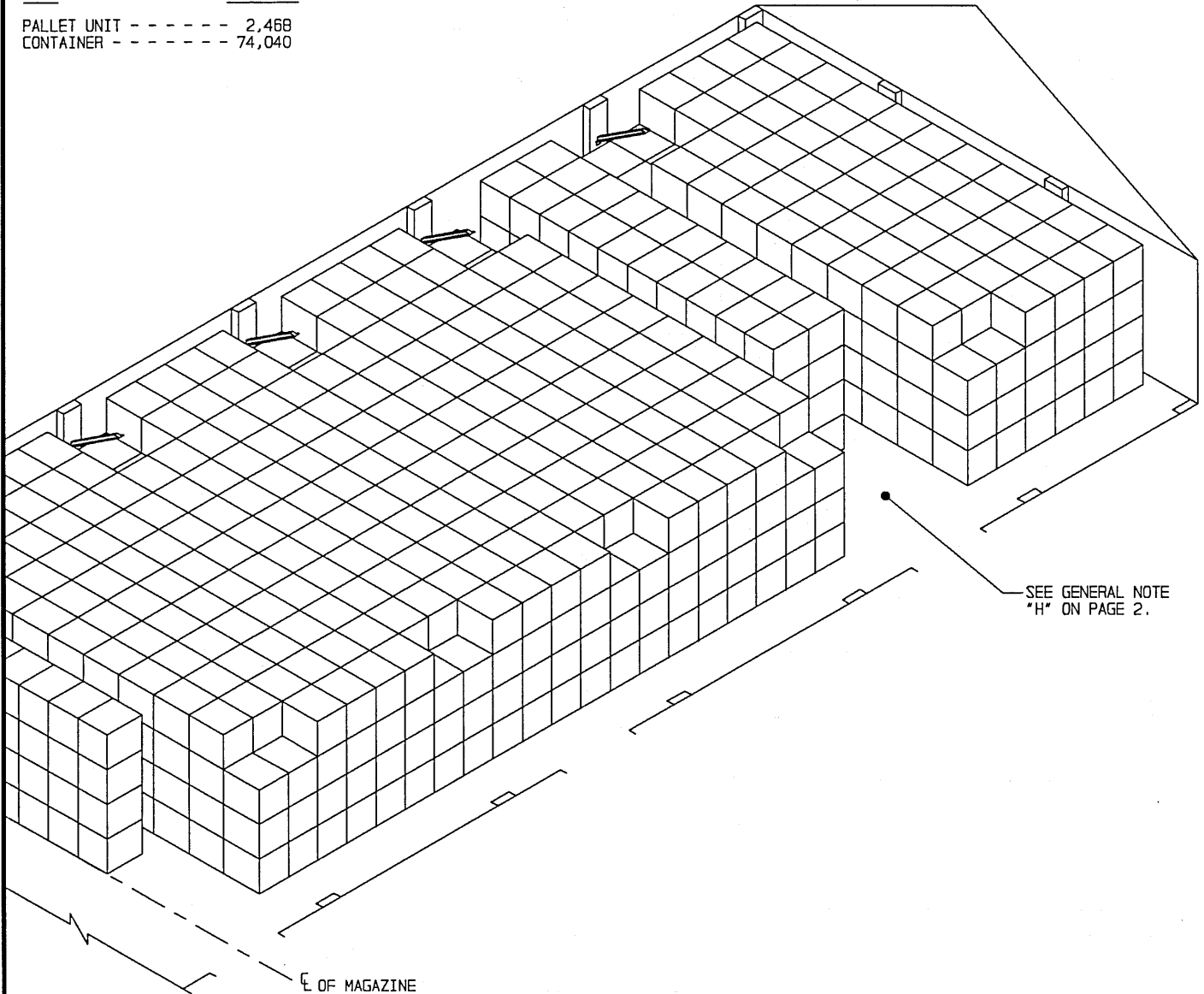


ISOMETRIC VIEW
(100'-8" X 50'-0" MAGAZINE)

FOR "GENERAL NOTES", SEE PAGE 2.

STORAGE IN 217'-4" L X 50'-3" W STANDARD MAGAZINE

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNIT - - - - -	2,468
CONTAINER - - - - -	74,040



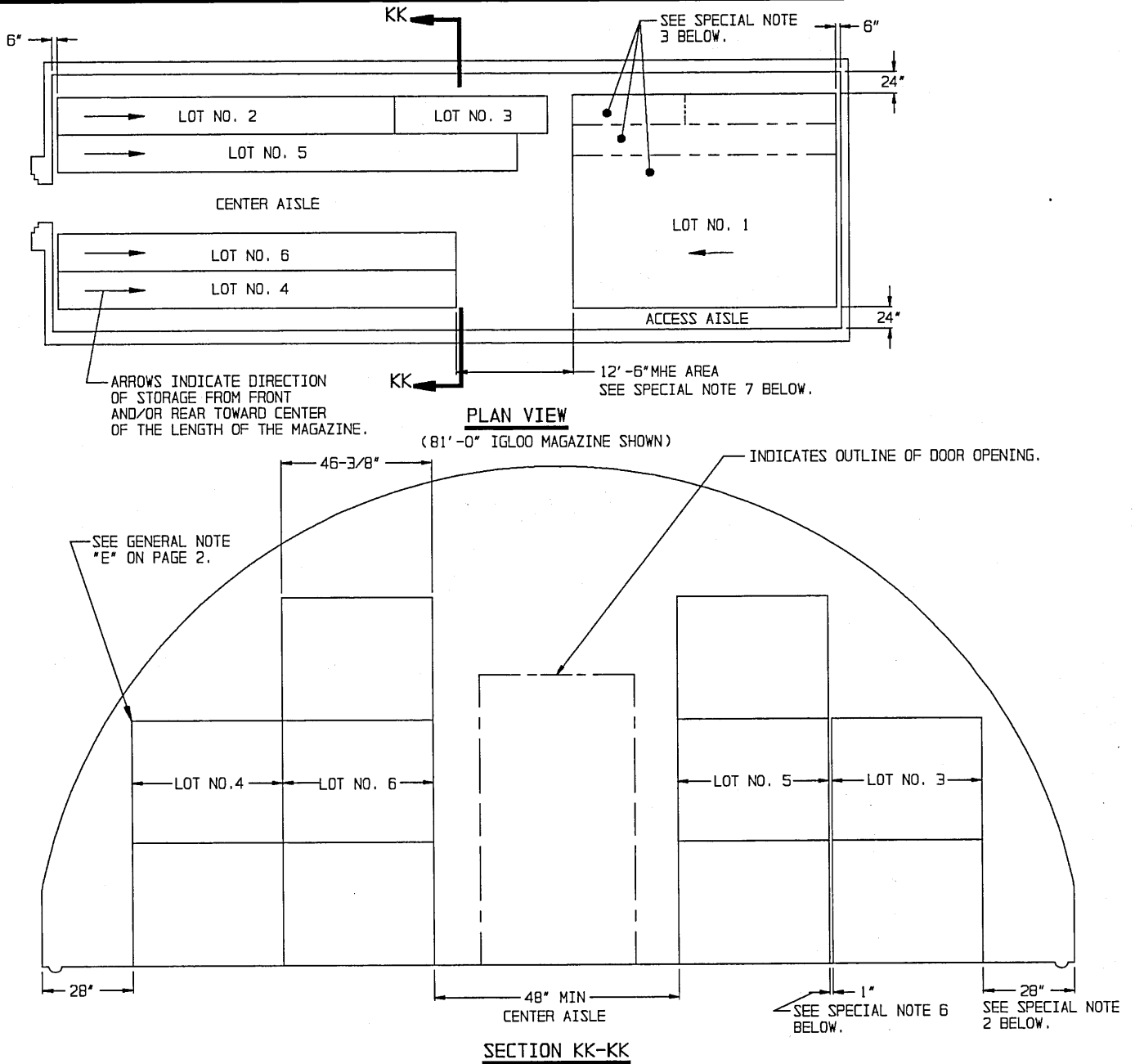
SEE GENERAL NOTE
"H" ON PAGE 2.

OF MAGAZINE

ISOMETRIC VIEW

ONE-HALF OF A STANDARD
MAGAZINE IS SHOWN.

FOR "GENERAL NOTES", SEE PAGE 2.



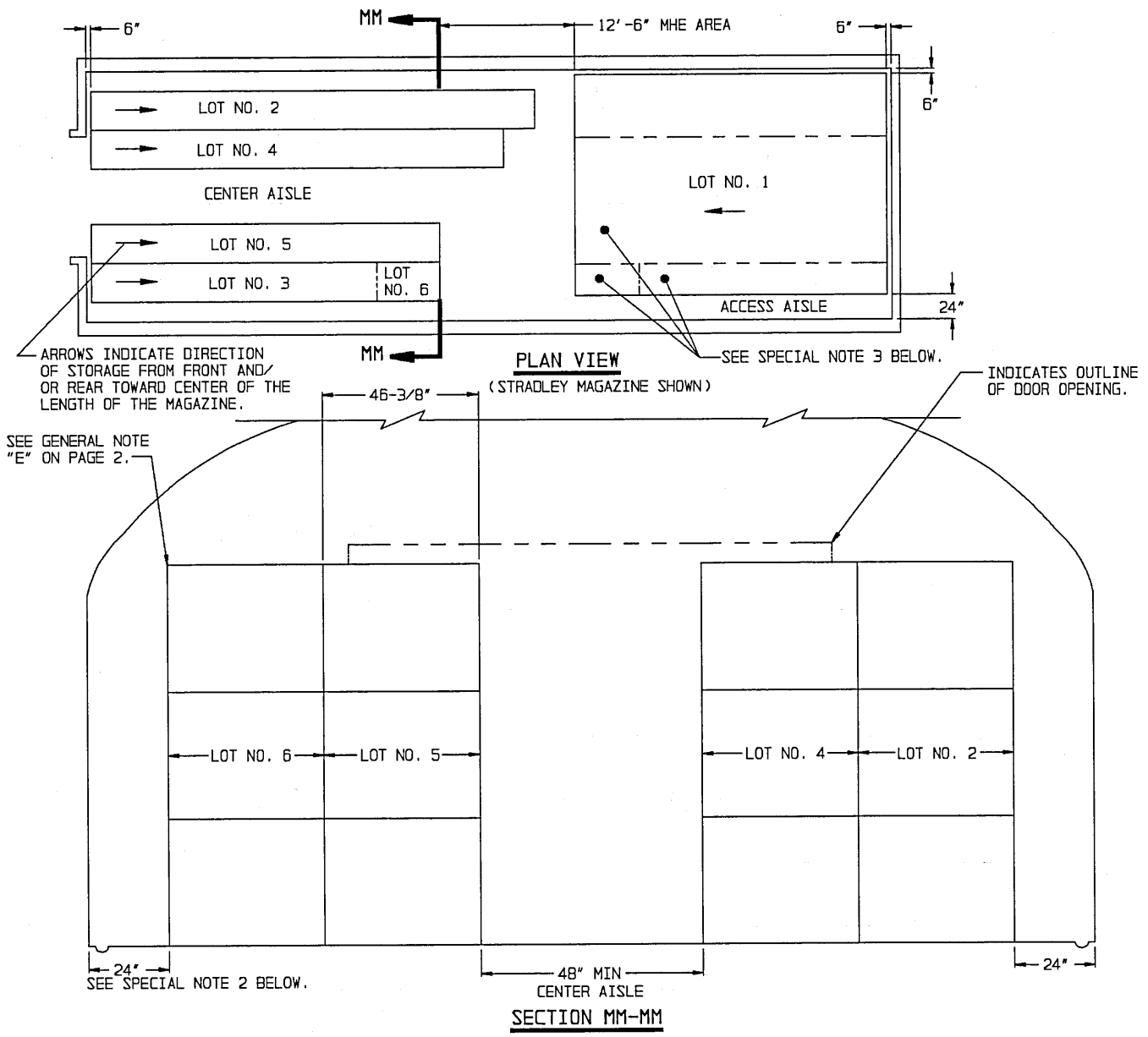
SPECIAL NOTES:

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY AND APPLY TO RELATIVELY LARGE LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
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 ROWS 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 PALLET UNITS 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. A "LIFT" MAY CONSIST OF ONE (1) OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.

(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 12'-6" 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" WIDE. AN AISLE SLIGHTLY WIDER THAN 48 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A MAGAZINE; HOWEVER, THIS AISLE SHOULD BE MADE WIDER IF A LOSS OF STORAGE RESULTS.

(CONTINUED AT RIGHT)



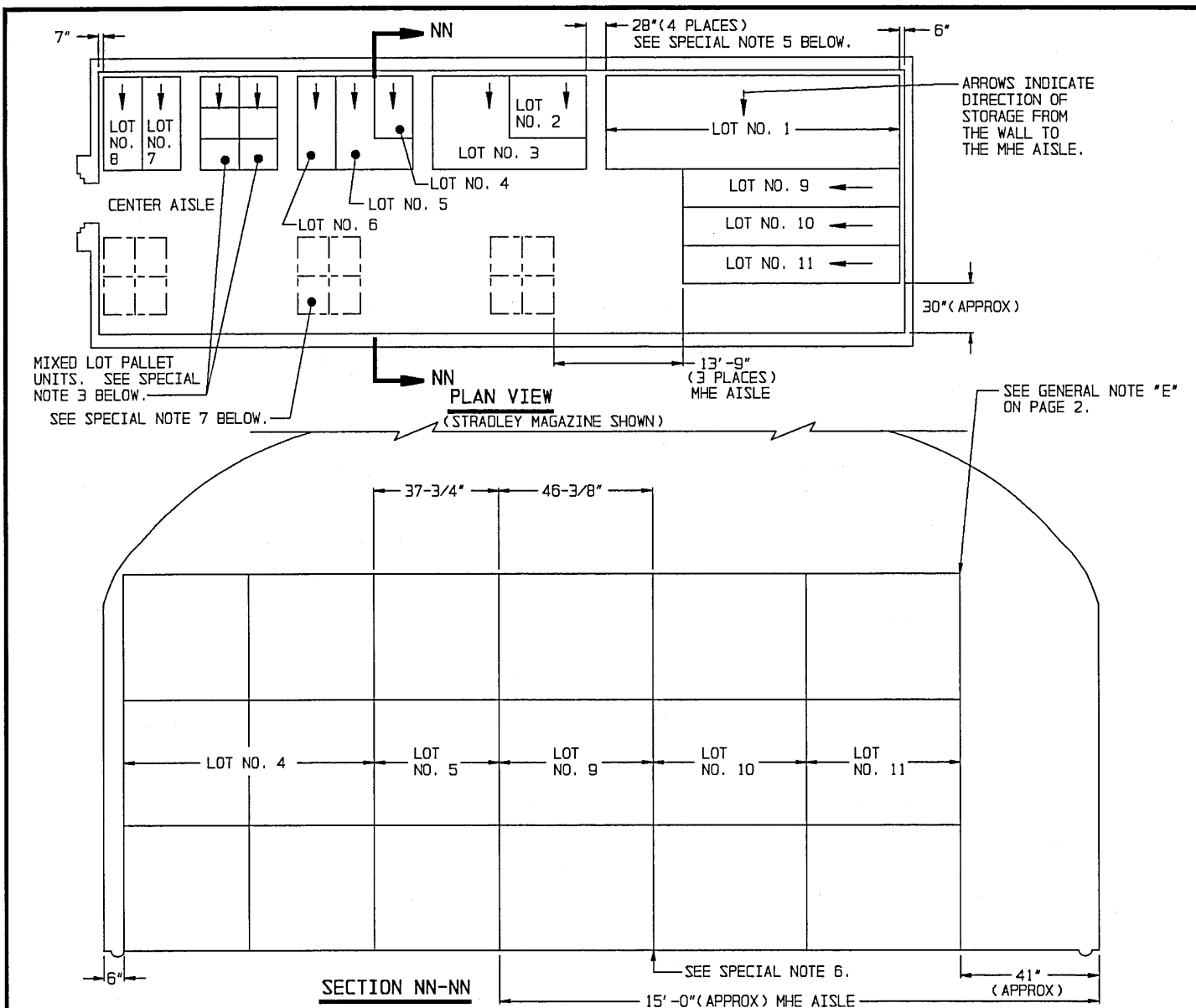
SPECIAL NOTE:

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY AND APPLY TO RELATIVELY LARGE LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
3. GENERALLY, THE LARGEST LOT SHOULD BE STORED IN THE REAR OF THE MAGAZINE. HOWEVER, THE AREA MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING ROWS 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 PALLET UNITS 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. A "LIFT" MAY CONSIST OF ONE (1) OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.

(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 12'-6" 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.

(CONTINUED AT RIGHT)



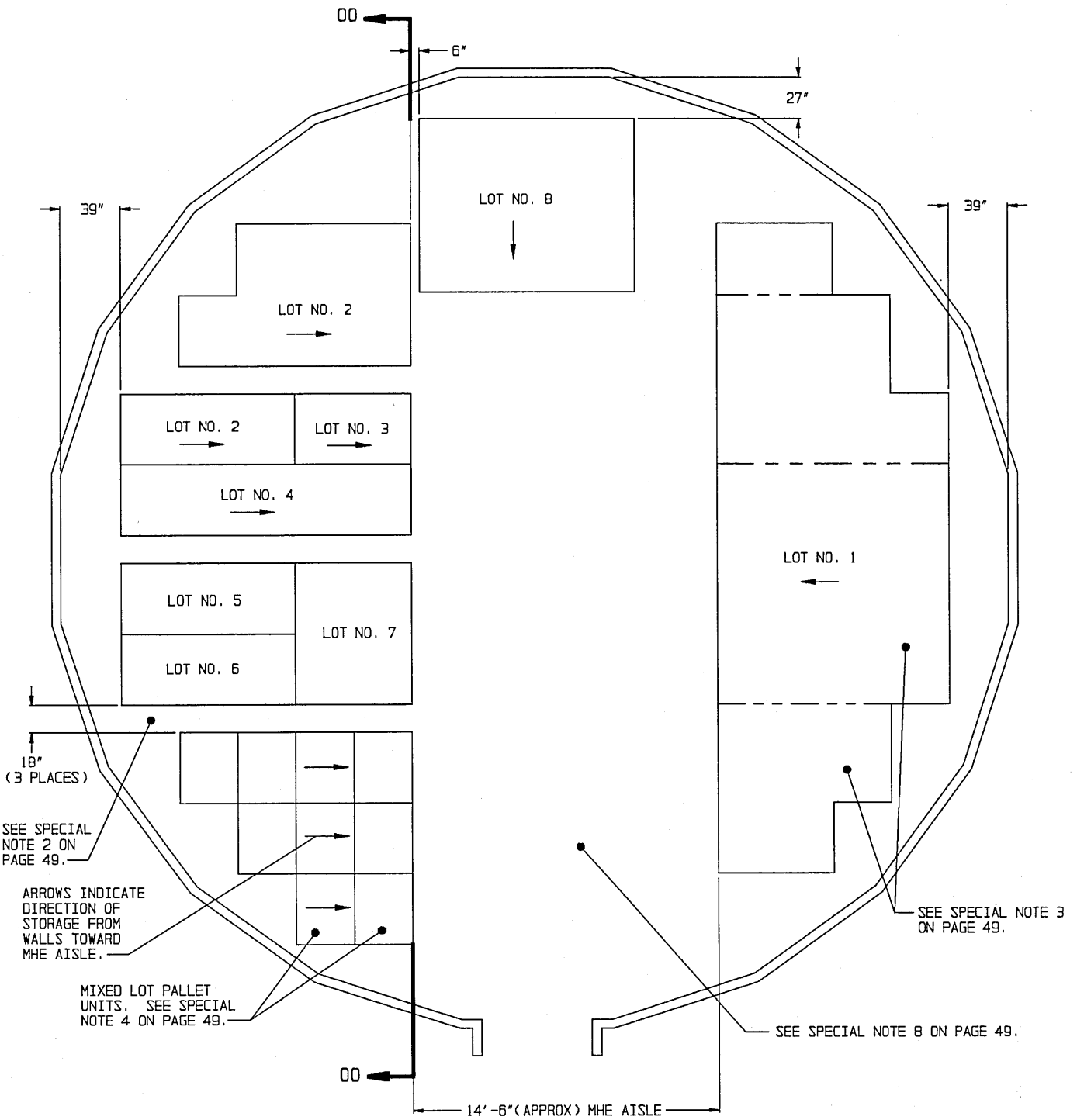
SPECIAL NOTES:

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY AND APPLY TO STORAGE OF NUMEROUS SMALL LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. 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.
3. A MIXED-LOT PALLET UNIT MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARDS TO AS MANY DIFFERENT LOTS AS COMPLETE ROUNDS WITHIN THAT UNIT. HOWEVER, LOTS WITHIN THE PALLET UNIT MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.
4. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. PALLET UNITS OF A SINGLE-LOT OR MIXED-LOT PALLET UNITS 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 OR MIXED-LOT UNITS. A "LIFT" MAY CONSIST OF ONE (1) OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.

(CONTINUED AT RIGHT)

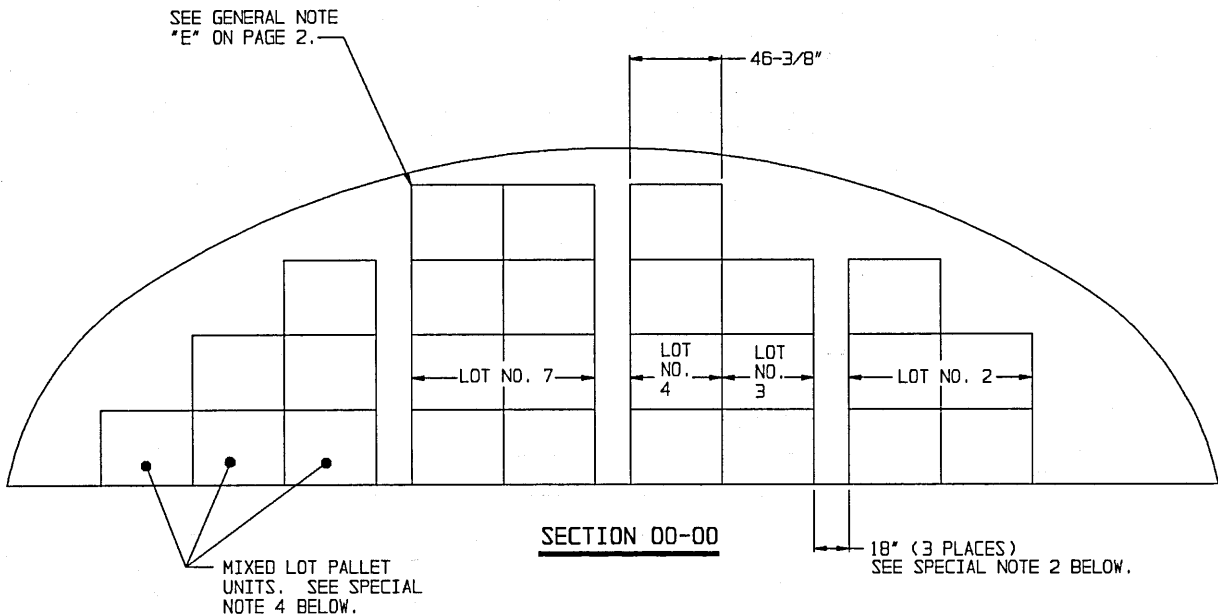
(SPECIAL NOTES CONTINUED)

5. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
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 ENCLOSED BY DOTTED LINES INDICATE LOCATIONS WHERE ADDITIONAL LOTS MAY BE STORED OR WHERE ADDITIONAL ITEMS MAY BE STORED, THAT ARE FROM THE LOT OR LOTS WHICH ARE DIRECTLY OR ALMOST DIRECTLY ACROSS THE CENTER AISLE ON THE OTHER SIDE OF THE MAGAZINE. 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 UNITS 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 13'-9" 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 THE MAGAZINE AND AN "ADDITIONAL STORAGE LOCATION") 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 IN STORAGE RESULTS.



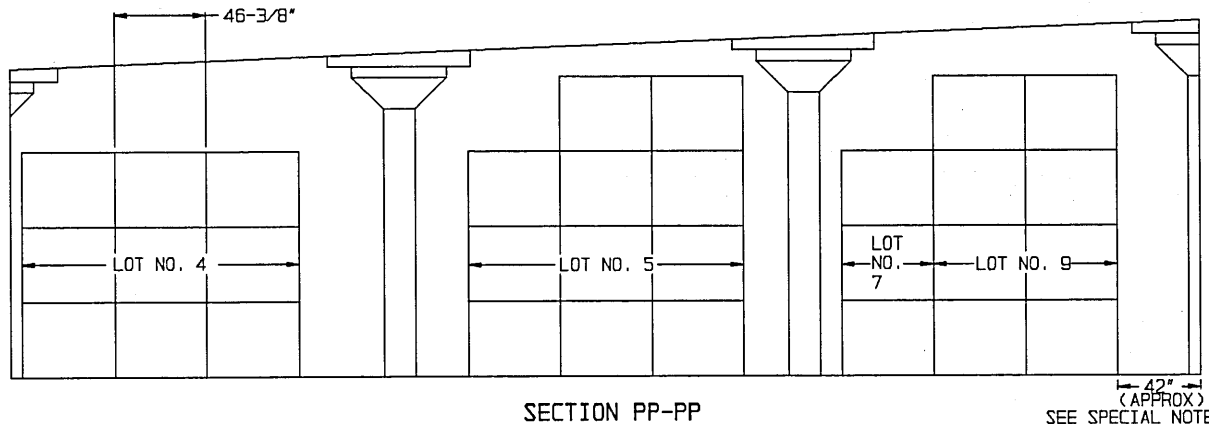
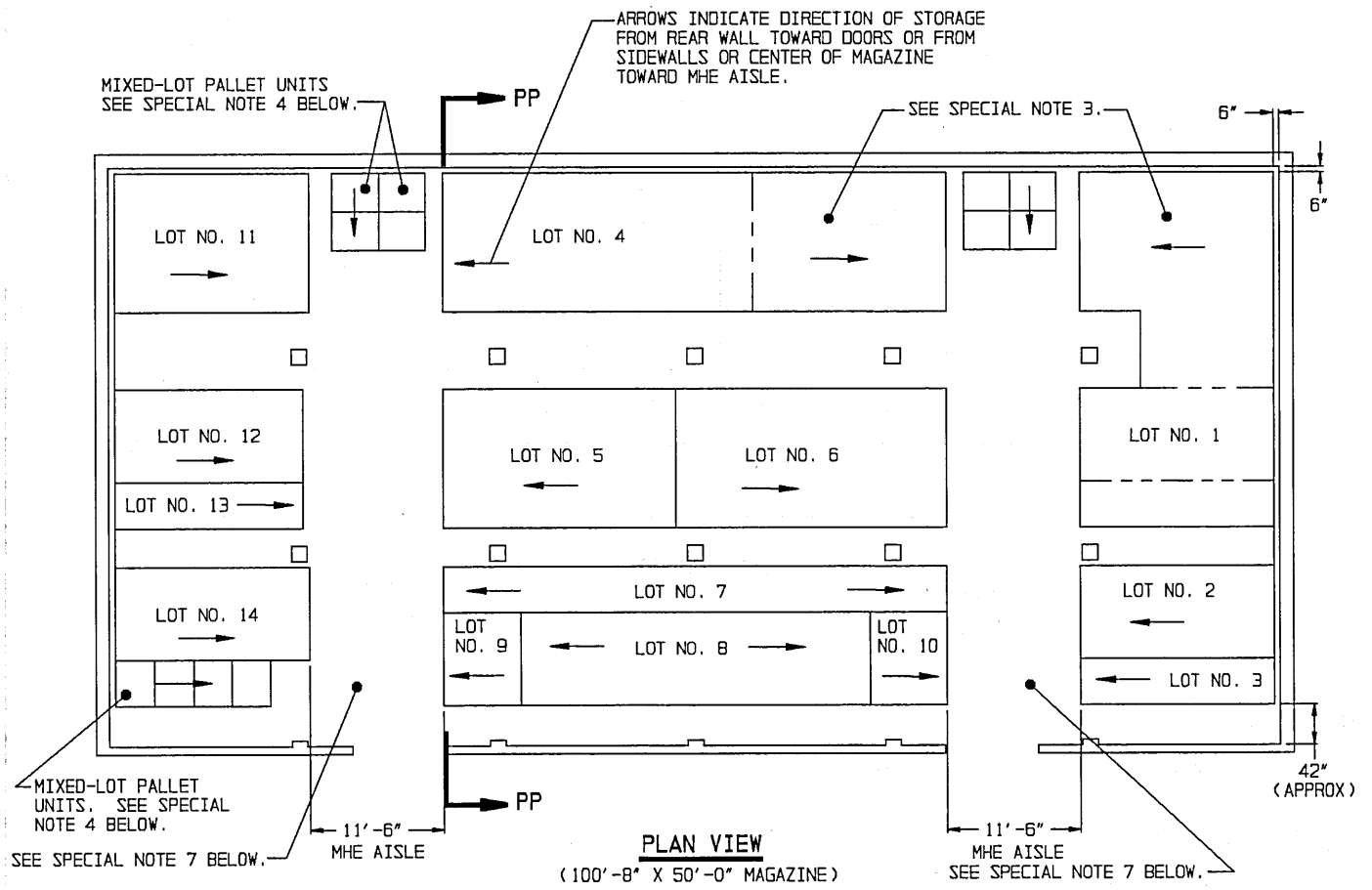
PLAN VIEW
(52'-0" DIA MAGAZINE)

TYPICAL MULTIPLE-LOT STORAGE IN CORBETTA MAGAZINE



SPECIAL NOTES:

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE AND ON PAGE 48 ARE TYPICAL ONLY. ADAPTATIONS 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 AT ONE SIDE OF EACH LOT.
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. A MIXED-LOT PALLET UNIT MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARDS TO AS MANY DIFFERENT LOTS AS COMPLETE ROUNDS WITHIN THAT UNIT. HOWEVER, ALL LOTS WITHIN THE PALLET UNIT MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.
5. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. PALLET UNITS OF A SINGLE-LOT OR MIXED-LOT PALLET UNITS 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 OR MIXED-LOT UNITS. A "LIFT" MAY CONSIST OF ONE (1) OR TWO (2) PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
6. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE WALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.
7. 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.
8. AREAS INCLOSED BY DOTTED LINES INDICATE LOCATIONS WHERE ADDITIONAL LOTS MAY BE STORED OR WHERE ADDITIONAL ITEMS MAY BE STORED, THAT ARE FROM THE 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 5, RELATIVE TO "12 LIFTS", WILL BE MAJOR FACTORS IMPACTING ON THE NUMBER OF PALLET UNITS THAT CAN BE STORED IN AN "ADDITIONAL STORAGE LOCATION". THIS ADDITIONAL STORAGE IS TO BE ARRANGED IN A MANNER SIMILAR TO ARRANGEMENTS DEPICTED ON PAGES 45 AND 47 FOR THE "ADDITIONAL STORAGE LOCATIONS" (SHOWN BY DOTTED LINES). ADEQUATE SPACE FOR MHE OPERATION, AS DESCRIBED ON PAGES 45 AND 47, MUST BE MADE AVAILABLE FOR THE ADDITIONAL STORAGE. ALSO, COMPLIANCE WITH ALL OF THE MULTIPLE LOT CRITERIA AS SET FORTH ON THIS PAGE MUST BE OBSERVED.



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. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED AT ONE SIDE OF EACH LOT.
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, OR AS TYPICALLY SHOWN BY DOTTED LINES. 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. A MIXED-LOT PALLET UNIT MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARDS TO AS MANY DIFFERENT LOTS AS COMPLETE ROUNDS WITHIN THAT UNIT. HOWEVER, ALL LOTS WITHIN THE PALLET UNIT MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.
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. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. PALLET UNITS 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) PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
7. THE MHE AISLE MAY BE USED TO STORE ONE OR MORE STACKS OF ADDITIONAL LOTS OR ADDITIONAL ITEMS THAT ARE FROM A LOT ADJACENT TO THE MHE AISLE. THIS ADDITIONAL STORAGE IS TO BE ARRANGED IN A MANNER SIMILAR TO ARRANGEMENTS DEPICTED ON PAGES 45 AND 47 FOR THE "ADDITIONAL STORAGE LOCATIONS" (SHOWN BY DOTTED LINES). ADEQUATE SPACE FOR MHE OPERATION, AS DESCRIBED ON PAGES 45 AND 47, MUST BE MADE AVAILABLE FOR THE ADDITIONAL STORAGE. ALSO, COMPLIANCE WITH ALL OF THE MULTIPLE-LOT CRITERIA AS SET FORTH ON THIS PAGE MUST BE OBSERVED.

(CONTINUED AT RIGHT)