

STORAGE IN APPROVED MAGAZINES OF SMALL DIAMETER BOMB CARRIAGE/SYSTEM PACKED IN CNU- 660 CONTAINERS

| <u>ITEM</u> | <u>INDEX</u> | <u>PAGE(S)</u> |
|---|--------------|----------------|
| GENERAL NOTES AND MATERIAL SPECIFICATIONS | - - - - - | 2 |
| CONTAINER DETAILS | - - - - - | 3 |
| TYPICAL STORAGE IN ARCHED OR ROUNDED ROOF MAGAZINES | - - - - - | 4-7 |
| CORBETTA MAGAZINE | - - - - - | 8,9 |
| 100'-8" L X 50'-0" W RECTANGULAR MAGAZINE | - - - - - | 10,11 |
| 60'-0" L X 40'-0" W X 15'-0" H TYPE II BUNKER MAGAZINE | - - - - - | 12,13 |
| 60'-0" L X 40'-0" W X 11'-0" H TYPE III BUNKER MAGAZINE | - - - - - | 14,15 |
| 40'-0" L X 20'-0" W X 11'-0" H TYPE IV BUNKER MAGAZINE | - - - - - | 16,17 |
| TYPICAL MULTIPLE-LOT STORAGE PROCEDURES | - - - - - | 18-23 |
| SHIM LOCATION DETAIL | - - - - - | 24 |

U.S. ARMY MATERIEL COMMAND DRAWING

| | | | | | |
|---|---|---|----------------|----------------------|-----------------------|
| APPROVED, U.S. ARMY FIELD SUPPORT COMMAND <i>TPR.</i> | | CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 24. | | | |
| <i>David A. Pelicci</i> AMSRD-AAR-AIL-TP | DO NOT SCALE | | | DECEMBER 2005 | |
| | ENGINEER OR TECHNICIAN | BASIC REV. | ADIN FELICIANO | | |
| APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND | TRANSPORTATION ENGINEERING DIVISION | <i>Laura G. Jeffrey</i> | | CLASS | DIVISION |
| <i>J. P. White</i> U.S. ARMY DEFENSE AMMUNITION CENTER | VALIDATION ENGINEERING DIVISION | TESTED | 19 | 48 | DRAWING |
| | ENGINEERING DIRECTORATE | <i>Frank H. Chalk</i> | 8840 | FILE | SP1-3-4-14- 22-J53 |

GENERAL NOTES

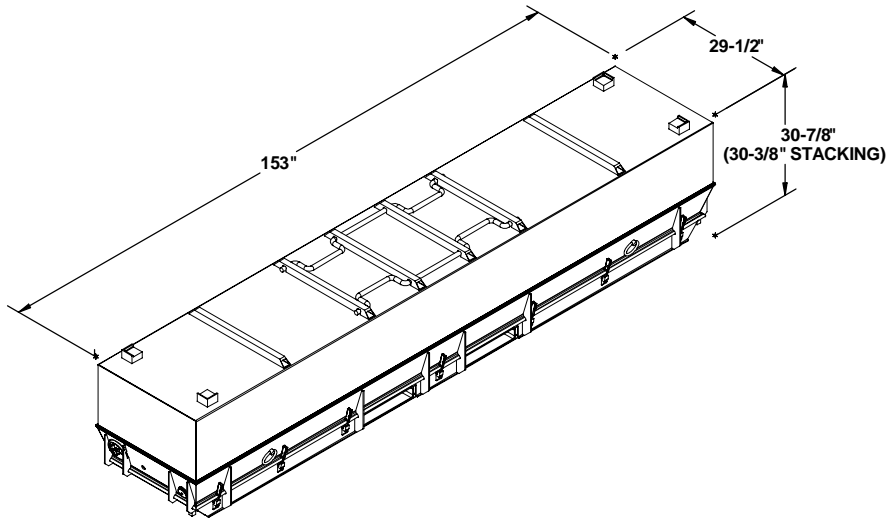
(GENERAL NOTES CONTINUED)

- 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 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 SMALL DIAMETER BOMB CARRIAGE/SYSTEM 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.
- C. THE STORAGE PROCEDURES SPECIFIED HEREIN ARE APPLICABLE TO LOADS OF SMALL DIAMETER BOMB CARRIAGE/SYSTEMS PACKED ONE BRU-61A CARRIAGE SYSTEM AND FOUR GBU-39/B BOMBS PER CNU-660 CONTAINER. SUBSEQUENT REFERENCE TO CONTAINER HEREIN MEANS THE CONTAINER WITH AMMUNITION ITEMS IN THEM. SEE PAGE 3 AND BOEING DRAWING 70P993153-1001 FOR DETAILS OF THE CONTAINER.
- 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. CONTAINER MUST NOT CONTACT THE SIDES OF A MAGAZINE. THEREFORE, CONTAINERS MUST BE STORED A MINIMUM OF 6" FROM THE SIDEWALL OR CURVATURE OF THE MAGAZINE AS APPLICABLE. TO PROVIDE FOR THIS MANDATORY CLEARANCE REQUIREMENT, UNITS MAY BE ELIMINATED FROM THE DEPICTED STORAGE PATTERN AS NECESSARY.
- F. AISLE DIMENSION SHOWN FOR STORAGE PROCEDURES IN MAGAZINES MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS, VARIATIONS IN PALLET DIMENSIONS, AND/OR AVAILABLE MATERIALS HANDLING EQUIPMENT (MHE). HOWEVER, A 24" MINIMUM INSPECTION AISLE MUST BE MAINTAINED AT THE END OF THE CONTAINERS WHERE HUMIDITY INDICATORS ARE LOCATED.
- G. THE MAXIMUM FLOOR LOAD FOR A MAGAZINE AS PRESCRIBED WILL NOT BE EXCEEDED.
- H. IF AVAILABLE MHE PERMITS, ADDITIONAL CONTAINERS MAY BE STORED WITHIN THE MHE AREA AND/OR OTHER AVAILABLE AREA OF THE MAGAZINE.
- J. 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.
- K. 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 SHOWN ON PAGES 18 THRU 23.
- L. 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 17 CAN ALSO BE ADAPTED FOR STORAGE MORE THAN ONE LOT, LOTS WHEN STORED IN ACCORDANCE WITH THE BASIC STORAGE PATTERN MAY BE STORED WITH ONE OR MORE ROWS USED FOR EACH LOT. A SPACE OF APPROXIMATELY 1" WILL HAVE TO BE LEFT BETWEEN ADJACENT ROWS CONTAINING DIFFERENT LOTS. IN BASIC STORAGE PATTERNS WHERE THE WIDTH OF A ROW IS ESTABLISHED BY THE 29-1/2" CONTAINER DIMENSION, EACH ROW MAY BE A DIFFERENT LOT AND READILY REMOVABLE. IN BASIC STORAGE PATTERNS WHERE THE WIDTH OF THE ROW IS ESTABLISHED BY THE 153" CONTAINER DIMENSION, A LOT MUST CONSIST OF TWO OR MORE ROWS TO PROVIDE ADEQUATE SPACE TO ACCOMMODATE THE WIDTH OF A FORKLIFT TRUCK FOR STORING OR REMOVING THE LOT. THE 1" SPACE BETWEEN LOTS, AS STATED ABOVE WILL NOT BE EXCEEDED SOLELY TO ACCOMMODATE THE WIDTH OF A FORKLIFT TRUCK. FOR ADDITIONAL REQUIREMENTS AND GUIDANCE, SEE SPECIAL NOTES FOR MULTIPLE-LOT STORAGE ON PAGES 18 THRU 23.
- M. ANY "LIGHT" CONTAINER THAT DOES NOT CONTAIN A FULL QUANTITY CNU-660 CONTAINERS WILL NOT BE BURIED IN STORAGE, IT MUST BE POSITIONED ADJACENT TO AN AISLE, PREFERABLY IN FRONT OF THE LOT.
- N. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- O. IN IGLOO, ARCH TYPE AND STRADLEY MAGAZINES WHICH HAVE SLOPING FLOORS, THE DEPICTED STORAGE PATTERNS, IN SOME CASES, INCLUDE CONTAINER STACKS WHICH STRADDLE THE RIDGE OF THE FLOOR AT THE CENTER OF THE MAGAZINE. FLOOR DUNNAGE IN THE FORM OF SHIMS WILL BE USED AS REQUIRED TO ACHIEVE SOUND AND ACCEPTABLE STABLE STACKS.
- P. 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 25.4MM, AND ONE POUND EQUALS 0.454 KG.
- Q. OTHER COMPATIBLE ITEMS MAY BE STORED IN A MAGAZINE, WHICH IS PARTIALLY FILLED WITH THE DESIGNATED ITEM.

(CONTINUED AT RIGHT)

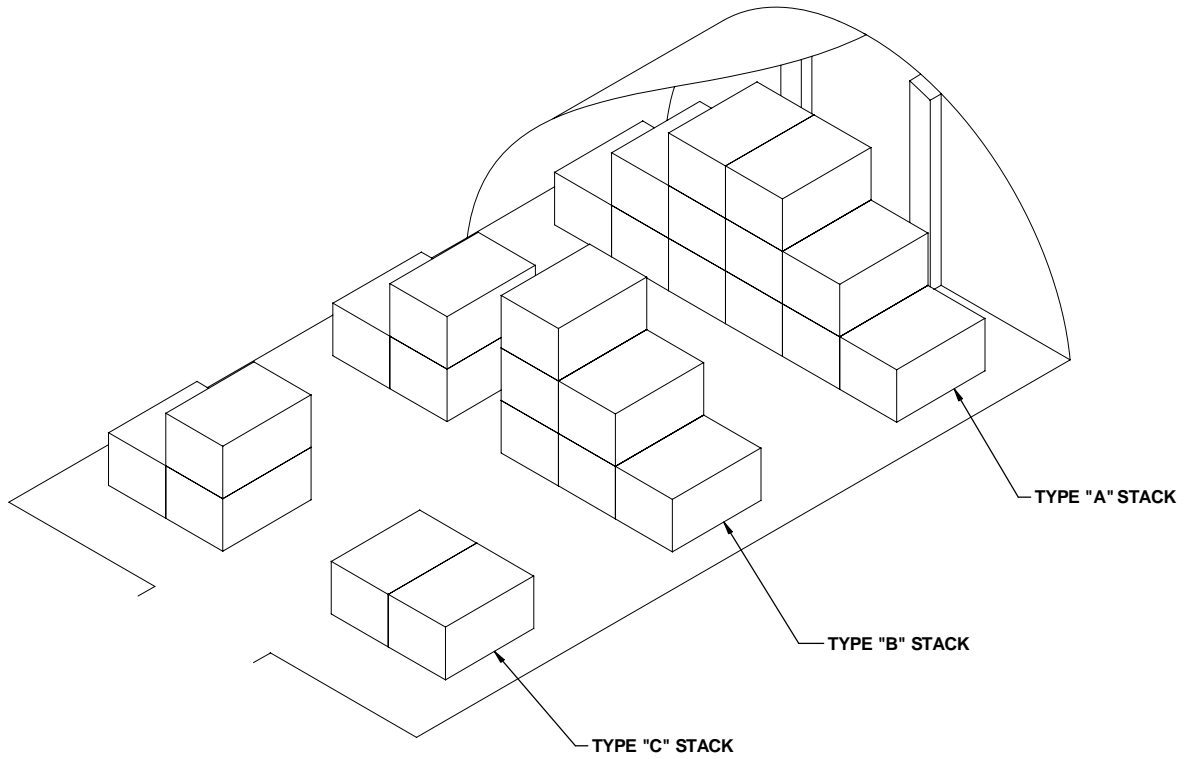
MATERIAL SPECIFICATIONS

LUMBER - - - - - : SEE TM 743-200-1 (DUNNAGE LUMBER) AND VOLUNTARY PRODUCT STANDARD PS 20.



CNU-660 CONTAINER

GROSS WEIGHT - - - - - 2,321 LBS (APPROX)
 CUBE - - - - - 80.64 CU FT. (APPROX)

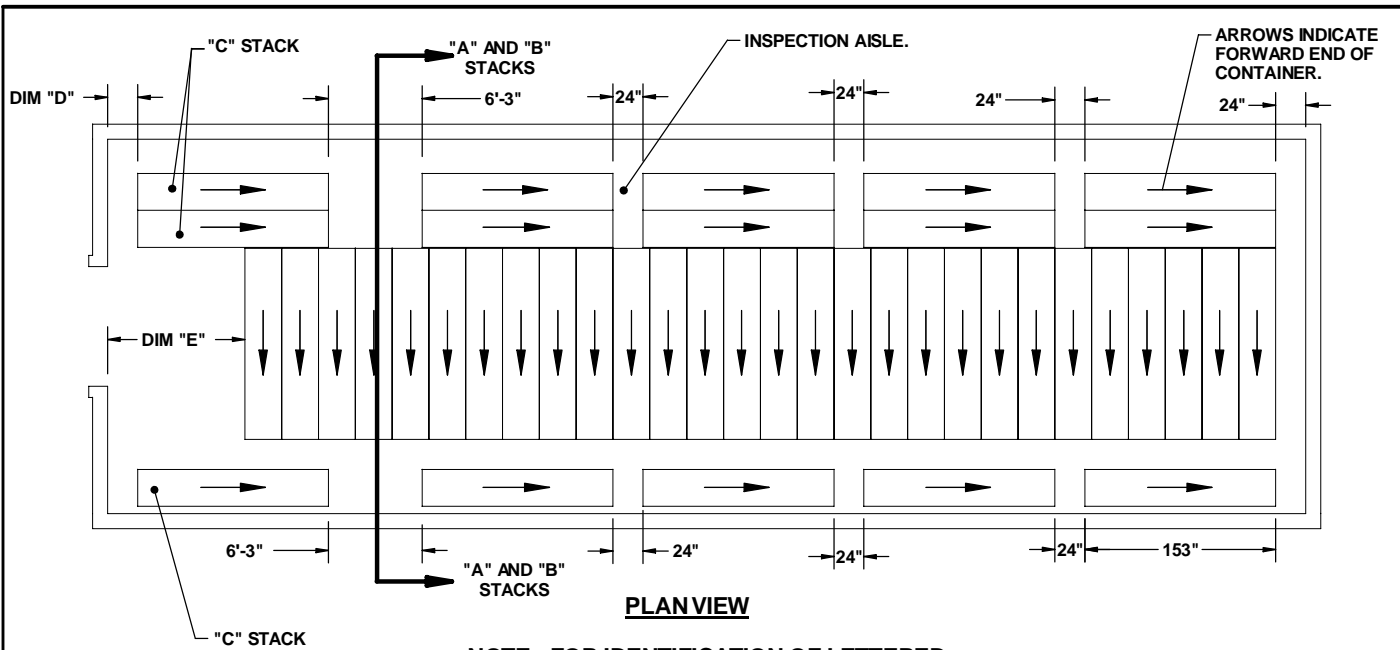


STACK IDENTIFICATION

A TYPE "A" STACK IS IDENTIFIED AS A GROUP OF ITEMS /UNITS WHICH EXTENDS FULL WIDTH AND HEIGHT OF THE MAGAZINE, AND IS ONE ITEM/UNIT LONG IN THE LENGTH OF THE MAGAZINE.

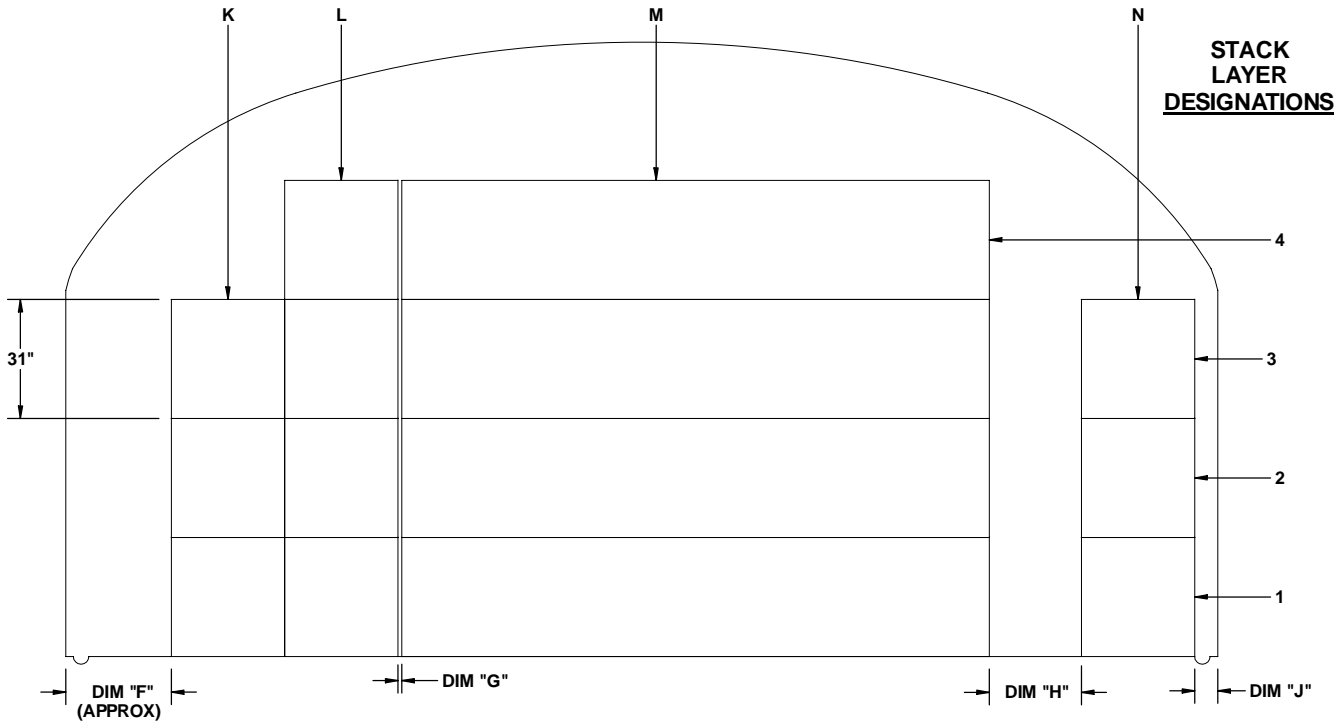
A TYPE "B" STACK IS IDENTIFIED AS A GROUP OF ITEMS/UNITS WHICH EXTEND FULL WIDTH AND HEIGHT OF THE MAGAZINE, AND IS ONE UNIT/ITEM LONG, BUT HAS AN AISLE AT OR NEAR THE CENTER OF THE WIDTH OF THE STACK.

A TYPE "C" STACK IS IDENTIFIED AS A GROUP OF ITEMS/UNITS WHICH IS ONE UNIT/ITEM LONG AND CONSISTS OF PARTIAL STACKS ON EACH SIDE OF THE MAGAZINE, USUALLY ONE ITEM/UNIT HIGH ON ONE SIDE OF THE MAGAZINE.



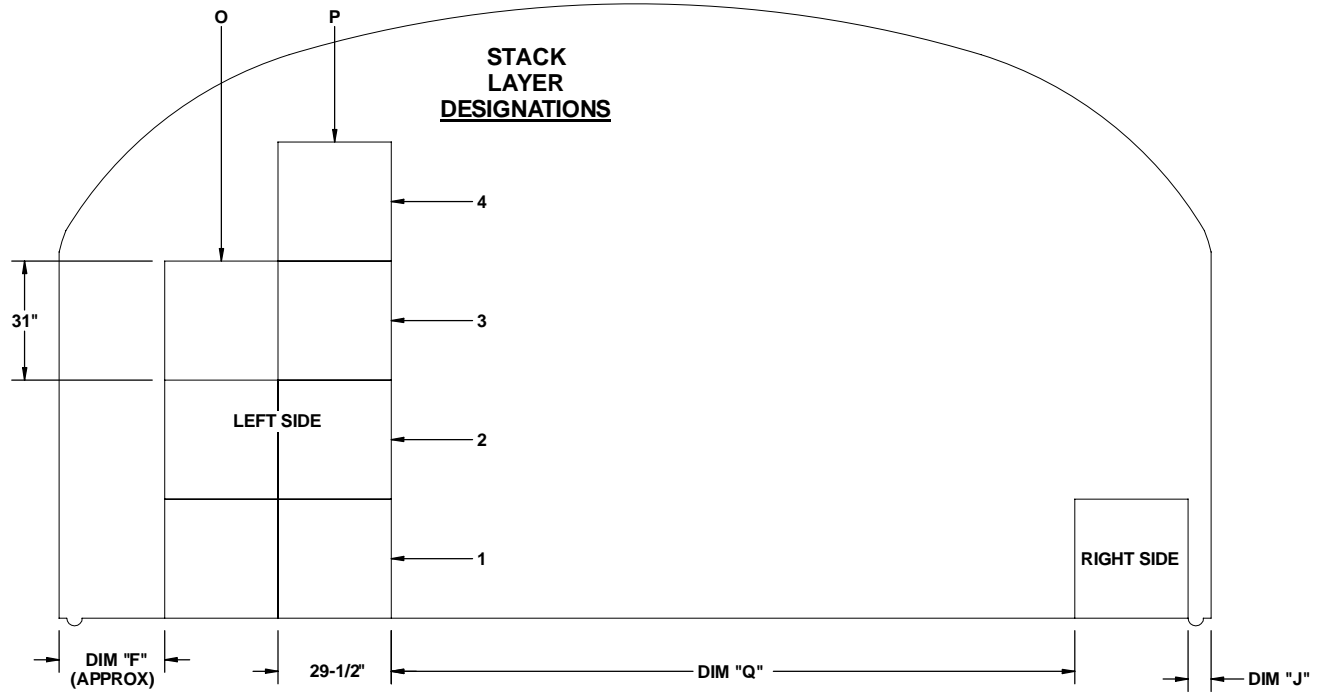
NOTE: FOR IDENTIFICATION OF LETTERED DIMENSIONS REFER TO CHART 1 ON PAGE 6.

STACK COLUMN DESIGNATIONS



"A" STACK AND "B" STACK
 (SEE "STACK IDENTIFICATION" ON PAGE 3 AND "CHART 2 - STACK CONFIGURATION" ON PAGE 7. FLOOR DUNNAGE IS SHOWN AS AN EXAMPLE)

**STACK
COLUMN
DESIGNATIONS**

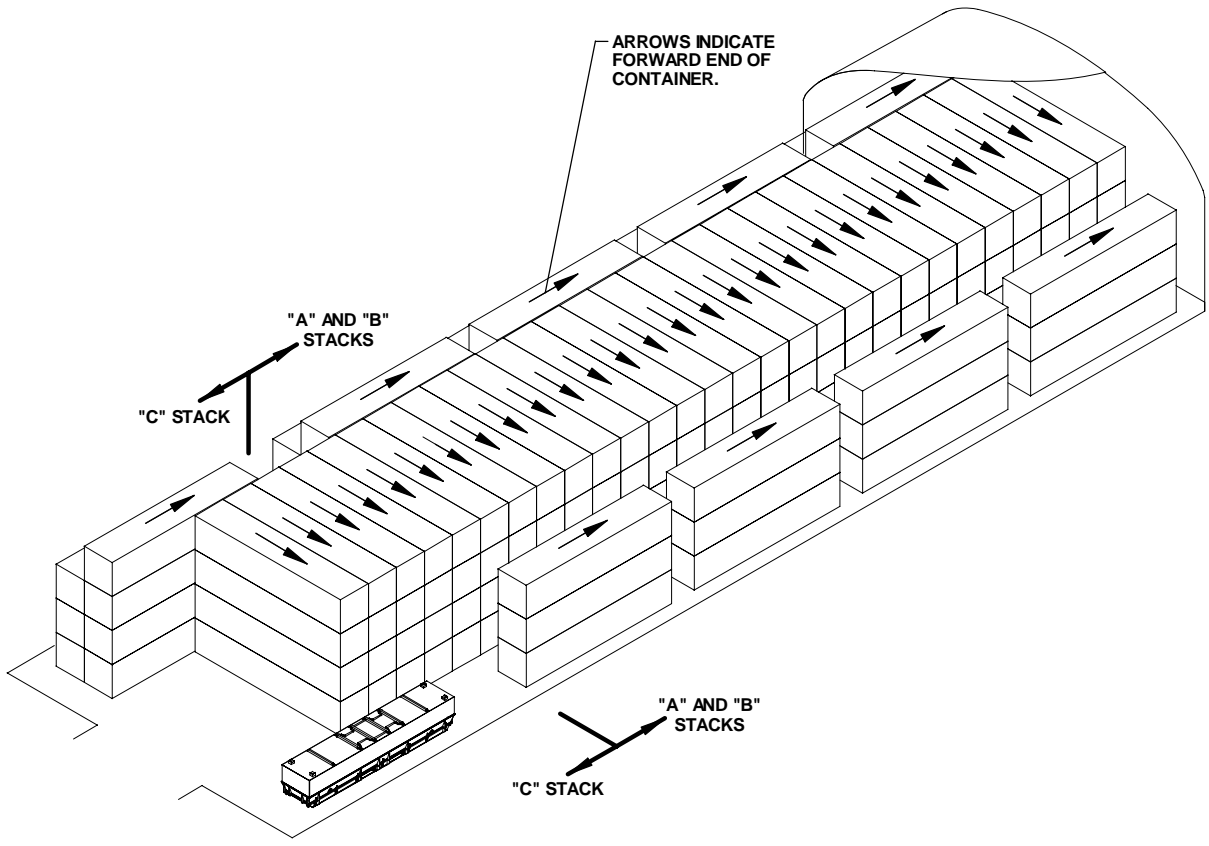


**STACK
LAYER
DESIGNATIONS**

"C" STACK

TYPICAL "C" STACK FOR STRADLEY MAGAZINE.
(SEE "STACK IDENTIFICATION " ON PAGE 3 AND
"CHART 2 - STACK CONFIGURATION" ON PAGE 7)

**NOTE: FOR IDENTIFICATION OF
LETTERED DIMENSIONS REFER
TO CHART 1 ON PAGE 6.**



ISOMETRIC VIEW
 STRADLEY MAGAZINE
 SHOWN AS TYPICAL.

CHART 1 - DIMENSIONS

| MAGAZINE DIMENSIONS | MAGAZINE TYPE | | | | | | | | | | | | | |
|-----------------------------|--------------------------------|--------|--------|------------|---------|----------|---------|----------|---------|-----------|----------|------------|--------|---------|
| | IGLOO | | | ARCH 12' | | ARCH 11' | | ARCH 10' | | OVAL ARCH | STRADLEY | STEEL ARCH | | |
| LENGTH | 40'-4" | 60'-8" | 81'-0" | 81'-2" | 40'-0" | 80'-0" | 40'-0" | 80'-0" | 40'-0" | 80'-0" | 89'-0" | 80'-0" | 59'-0" | 89'-0" |
| WIDTH | 26'-6" | | | 26'-6" | 25'-0" | 25'-0" | 25'-0" | | 25'-0" | | 24'-10" | 25'-0" | 25'-0" | 24'-11" |
| HEIGHT | 12'-9" | | | 12'-1 3/4" | | | 11'-0" | | 10'-0" | | 14'-5" | 14'-0" | 14'-0" | 13'-6" |
| DIMENSIONS | PALLET UNIT SPACING DIMENSIONS | | | | | | | | | | | | | |
| DIM "D" ("C" STACK FRONT) | 24" | 6" | 24" | 24" | 24" | 24" | 24" | 24" | 24" | 24" | 9" | 24" | 6" | 9" |
| DIM "E" (M HE AISLE APPROX) | 8'-10" | 9'-4" | 10'-4" | 10'-4" | 8'-6" | 11'-7" | 8'-6" | 11'-7" | 8'-6" | 11'-7" | 8'-7" | 9'-2" | 10'-5" | 8'-7" |
| DIM "F" ("B" STACK LEFT) | 25" | 26" | 26" | 30" | 31" | 31" | 31" | 31" | 31" | 31" | 28" | 27" | 10" | 27" |
| DIM "G" ("A" TO "B" LEFT) | 0" | 0" | 0" | 1" | 1" | 1" | 1" | 1" | 1" | 1" | 1" | 1" | 24" | 0" |
| DIM "H" ("A" TO "B" RIGHT) | 24" | 24" | 24" | 24" | 24" | 24" | 24" | 24" | 24" | 24" | 24" | 24" | 0" | 24" |
| DIM "J" ("C" STACK RIGHT) | 27" | 26" | 26" | 21" | 31" | 31" | 31" | 31" | 31" | 31" | 6" | 6" | 24" | 6" |
| DIM "Q" ("C" M HE AISLE) | 14'-9" | 14'-9" | 14'-9" | 14'-10" | 14'-10" | 14'-10" | 14'-10" | 14'-10" | 14'-10" | 14'-10" | 14'-10" | 14'-10" | 14'-9" | 14'-9" |

CHART 2 - STACK CONFIGURATION

| MAGAZINE TYPE | | | | | | | | | | | | | | |
|-----------------------|----------|----------|----------|----------|------------------|----------|----------|----------|----------|----------|-----------|----------|------------|----------|
| QUANTITY PER MAGAZINE | IGLOO | | | ARCH 12' | ARCH 12' X 25' W | | ARCH 11' | | ARCH 10' | | OVAL ARCH | STRADLEY | STEEL ARCH | |
| | 40'-4" L | 60'-8" L | 81'-0" L | 26'-6" W | 40'-0" L | 80'-0" L | 40'-0" L | 80'-0" L | 40'-0" L | 80'-0" L | | | 59'-0" L | 89'-0" L |
| | 61 | 107 | 146 | 114 | 43 | 100 | 43 | 100 | 28 | 64 | 192 | 160 | 98 | 220 |

"A" STACK CONFIGURATION

| LAYER | CONTAINERS PER LAYER | | | | | | | | | | | | | |
|----------------------------------|----------------------|----|-----|------|------|----|------|----|------|----|------|------|------|-----|
| 1 | 1(M) | | | 1(M) | 1(M) | | 1(M) | | 1(M) | | 1(M) | 1(M) | 1(M) | |
| 2 | 1(M) | | | 1(M) | 1(M) | | 1(M) | | 1(M) | | 1(M) | 1(M) | 1(M) | |
| 3 | 1(M) | | | 1(M) | 1(M) | | 1(M) | | 0 | | 1(M) | 1(M) | 1(M) | |
| 4 | 1(M) | | | 0 | 0 | | 0 | | 0 | | 1(M) | 1(M) | 1(M) | |
| SINGLE STACK TOTAL | 4 | | | 3 | 3 | | 3 | | 2 | | 4 | 4 | 4 | |
| NUMBER OF STACKS "A" STACK TOTAL | 12 | 20 | 28 | 28 | 12 | 27 | 12 | 27 | 12 | 27 | 32 | 28 | 19 | 32 |
| | 48 | 80 | 112 | 84 | 36 | 81 | 36 | 81 | 24 | 54 | 128 | 112 | 76 | 128 |

"B" STACK CONFIGURATION - TO THE LEFT OF "A" STACK

| LAYER | CONTAINERS PER LAYER | | | | | | | | | | | | | |
|----------------------------------|----------------------|----|----|--------|------|---|------|---|------|---|--------|--------|--------|--------|
| 1 | 2(K-L) | | | 2(K-L) | 1(L) | | 1(L) | | 1(L) | | 2(K-L) | 2(K-L) | 2(K-L) | 2(K-L) |
| 2 | 2(K-L) | | | 2(K-L) | 1(L) | | 1(L) | | 0 | | 2(K-L) | 2(L-L) | 2(K-L) | 2(K-L) |
| 3 | 1(L) | | | 1(L) | 0 | | 0 | | 0 | | 2(K-L) | 2(K-L) | 1(L) | 2(K-L) |
| 4 | 0 | | | 0 | 0 | | 0 | | 0 | | 2(K-L) | 1(L) | 0 | 1(L) |
| SINGLE STACK TOTAL | 5 | | | 5 | 2 | | 2 | | 1 | | 8 | 7 | 5 | 7 |
| NUMBER OF STACKS "B" STACK TOTAL | 1 | 3 | 4 | 4 | 1 | 4 | 1 | 4 | 1 | 4 | 5 | 4 | 2 | 5 |
| | 5 | 15 | 20 | 20 | 2 | 8 | 2 | 8 | 1 | 4 | 40 | 28 | 10 | 35 |

"B" STACK CONFIGURATION - TO THE RIGHT OF "A" STACK

| LAYER | CONTAINERS PER LAYER | | | | | | | | | | | | | |
|----------------------------------|----------------------|---|---|------|------|---|------|---|------|---|------|------|------|------|
| 1 | 1(N) | | | 1(N) | 1(N) | | 1(N) | | 1(N) | | 1(N) | 1(N) | 1(N) | 1(N) |
| 2 | 1(N) | | | 0 | 1(N) | | 1(N) | | 0 | | 1(N) | 1(N) | 1(N) | 0 |
| 3 | 0 | | | 0 | 0 | | 0 | | 0 | | 1(N) | 1(N) | 1(N) | 0 |
| 4 | 0 | | | 0 | 0 | | 0 | | 0 | | 0 | 0 | 0 | 0 |
| SINGLE STACK TOTAL | 2 | | | 1 | 2 | | 2 | | 1 | | 3 | 3 | 3 | 1 |
| NUMBER OF STACKS "B" STACK TOTAL | 1 | 3 | 4 | 4 | 1 | 4 | 1 | 4 | 1 | 4 | 5 | 4 | 2 | 5 |
| | 2 | 6 | 8 | 4 | 2 | 8 | 2 | 8 | 1 | 4 | 15 | 12 | 6 | 5 |

"C" STACK CONFIGURATION - LEFT SIDE

| LAYER | CONTAINERS PER LAYER | | | | | | | | | | | | | |
|-------------------------------------|----------------------|--|--|--------|------|--|------|---|--------|--|--------|--------|--------|--------|
| 1 | 2(O-P) | | | 2(O-P) | 1(P) | | 1(P) | | 2(O-P) | | 2(O-P) | 2(O-P) | 2(O-P) | 2(O-P) |
| 2 | 2(O-P) | | | 2(O-P) | 1(P) | | 1(P) | | 1(P) | | 2(O-P) | 2(O-P) | 2(O-P) | 2(O-P) |
| 3 | 1(P) | | | 1(P) | 0 | | 0 | | 0 | | 2(O-P) | 2(O-P) | 1(P) | 2(O-P) |
| 4 | 0 | | | 0 | 0 | | 0 | | 0 | | 2(O-P) | 1(P) | 0 | 1(P) |
| SINGLE STACK TOTAL | 5 | | | 5 | 2 | | 2 | | 1 | | 8 | 7 | 5 | 7 |
| NUMBER OF STACKS "C" STACK LF TOTAL | 1 | | | 1 | 1 | | | 1 | | | 1 | 1 | 1 | 1 |
| | 5 | | | 5 | 2 | | | 2 | | | 8 | 7 | 5 | 7 |

"C" STACK CONFIGURATION - RIGHT SIDE

| | | | | | | | | | | | | | | |
|--------------------|---|--|--|---|--|--|--|---|--|--|---|---|--|---|
| "C" STACK RT TOTAL | 1 | | | 1 | | | | 1 | | | 1 | 1 | | 1 |
|--------------------|---|--|--|---|--|--|--|---|--|--|---|---|--|---|

SPECIAL NOTES:

- THE FOLLOWING NOTES, CHART 1 ON PAGE 6 AND CHART 2 ON THIS PAGE ARE PRESENTED AS GUIDANCE IN THE SELECTION OF A STORAGE PATTERN, AND IN DETERMINING THE QUANTITY OF PALLET UNITS WHICH CAN BE STORED IN THE STORAGE MAGAZINES LISTED IN THESE CHARTS.
- CHART 1 ON PAGE 6 DESCRIBES THE STORAGE MAGAZINE GENERAL DIMENSIONS AND THE DIMENSIONS OF THE PALLET UNIT SPACING WITHIN THE STORAGE MAGAZINES.
- DIMENSIONS "A", "B" AND "C" HAVE BEEN OMITTED TO AVOID CONFUSION WITH STACKS "A", "B" AND "C".
- CHART 2 ON THIS PAGE DETAILS THE QUANTITY OF PALLET UNITS IN EACH TYPE OF MAGAZINE AND THE LAYOUT OF THE STACKS FOR EACH TYPE OF MAGAZINE. THE CHART SHOWS THE NUMBER OF UNITS IN EACH STACK LAYER AND THE LOCATION OF THE PALLET UNIT ON EACH LAYER.

(CONTINUED AT RIGHT)

EXAMPLE:

CHART 2 - "C" STACK LEFT SIDE CONFIGURATION
MAGAZINE: STRADLEY

LAYER NUMBER 1: 2 (O-P)
LAYER NUMBER 2: 2 (O-P)
LAYER NUMBER 3: 2 (O-P)
LAYER NUMBER 4: 1 (P)

EXPLANATION:

LAYER 1 (BOTTOM LAYER) HAS TWO CONTAINERS FROM THE "O" COLUMN (NEAREST THE LEFT SIDE OF THE MAGAZINE) TO THE "P" COLUMN.

LAYER 2 (ON TOP OF LAYER 1) HAS TWO CONTAINERS FROM THE "O" COLUMN (NEAREST THE LEFT SIDE OF THE MAGAZINE) TO THE "P" COLUMN.

LAYER 3 (ON TOP OF LAYER 2) HAS TWO CONTAINERS FROM THE "O" COLUMN TO THE "P" COLUMN.

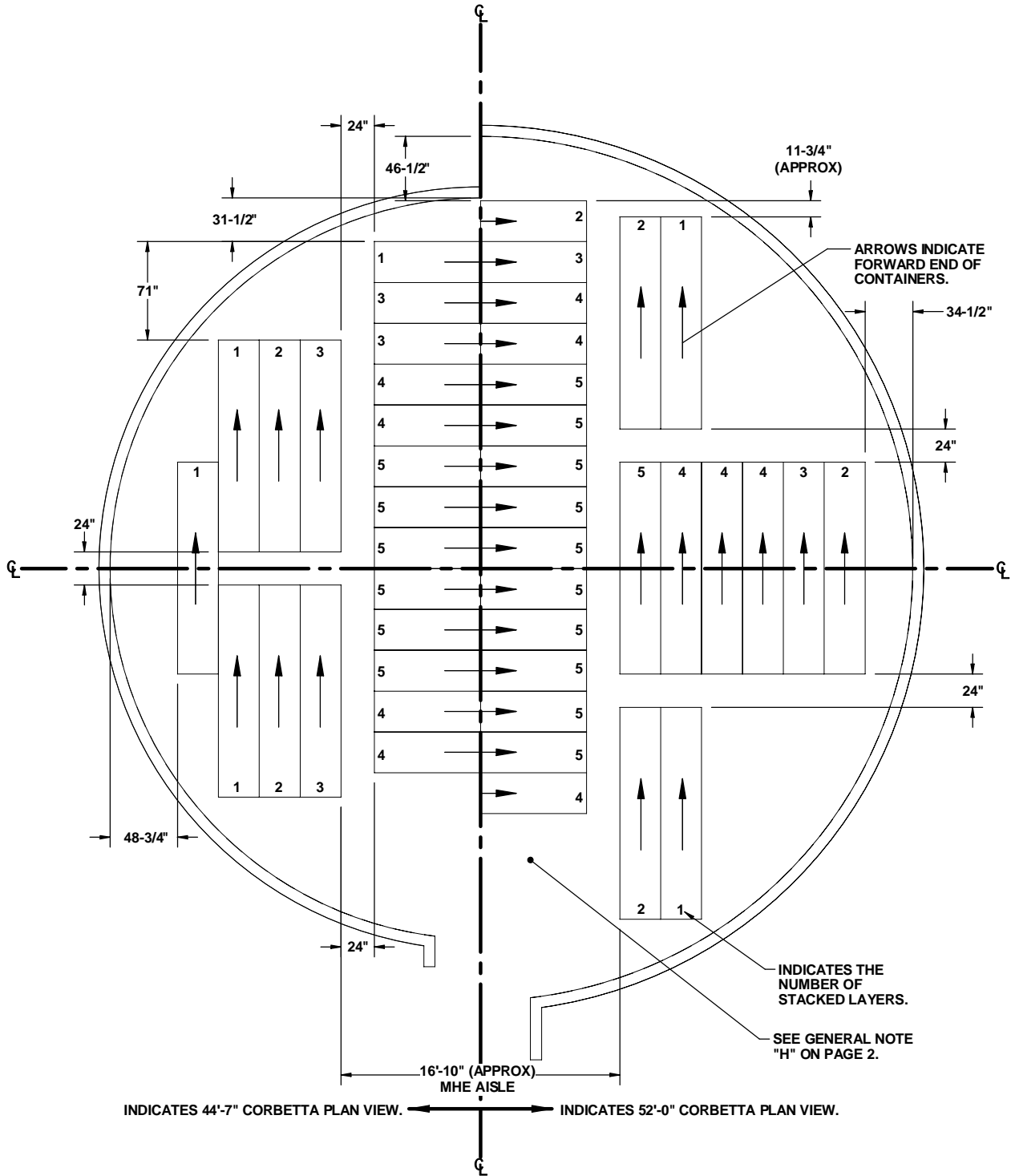
LAYER 4 (ON TOP OF LAYER 3) HAS ONE CONTAINER FROM AT THE "P" COLUMN (NEAREST THE DOOR).

STORAGE IN 44'-7" MAGAZINE

STORAGE IN 52'-0" MAGAZINE

ITEM QUANTITY
CONTAINER ----- 79

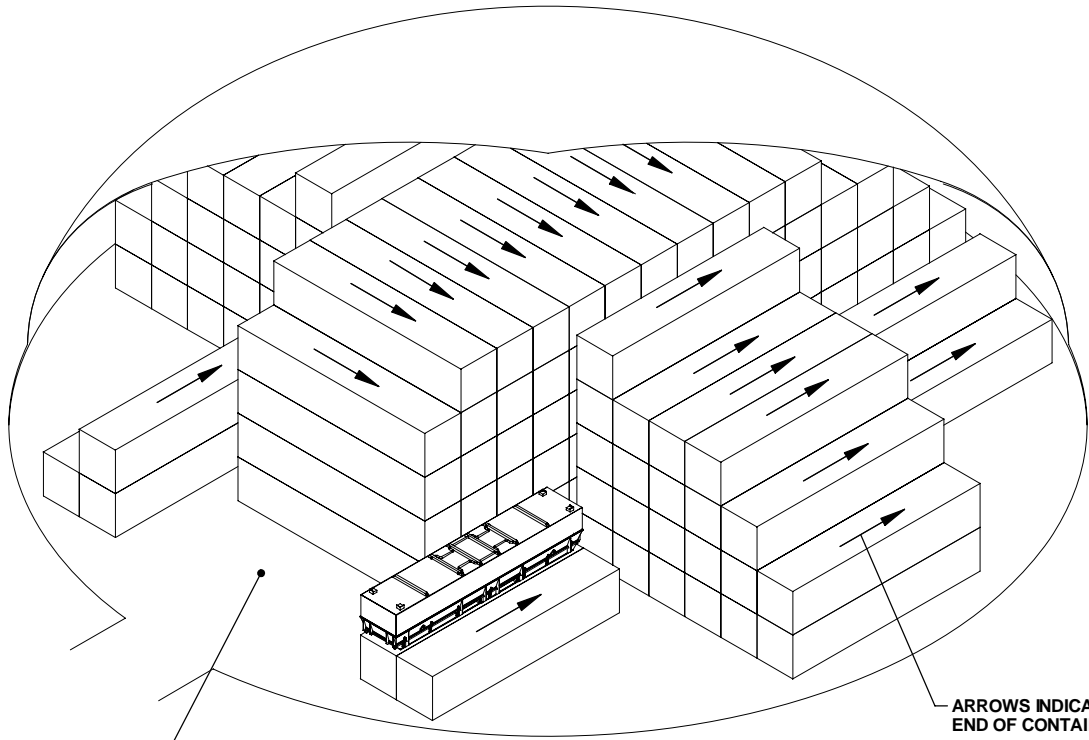
ITEM QUANTITY
CONTAINER ----- 122



PLAN VIEW

THE RIGHT HAND PLAN VIEW INDICATES A 52'-0" CORBETTA MAGAZINE, AND THE LEFT HAND PLAN VIEW INDICATES A 44'-7" CORBETTA MAGAZINE. BOTH SIZE MAGAZINE LAYOUTS ARE SYMMETRICAL AROUND THE VERTICAL CENTER LINE.

CORBETTA MAGAZINE



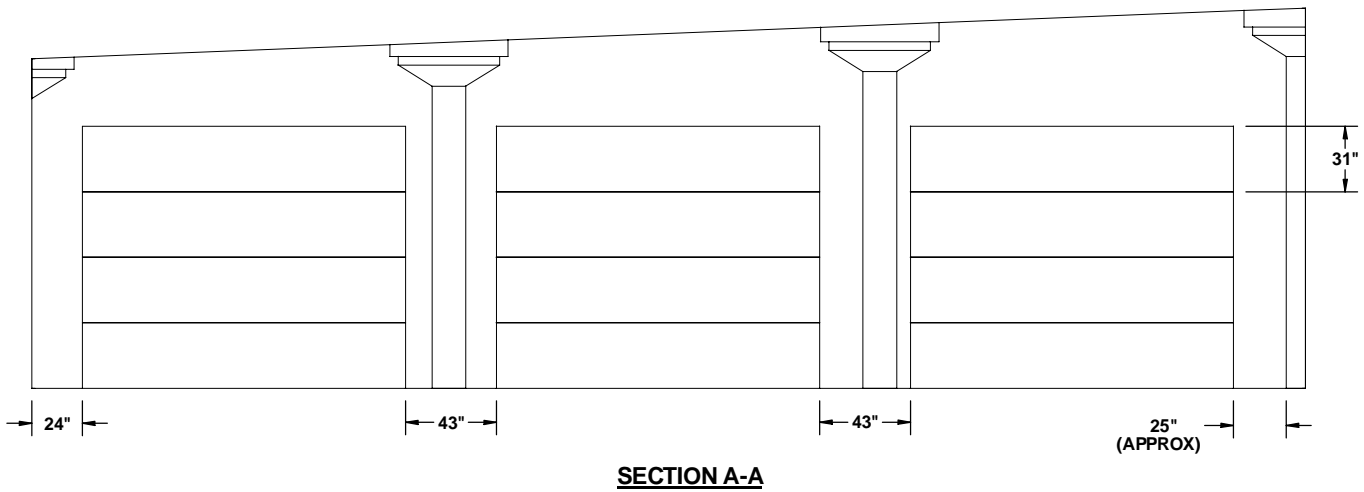
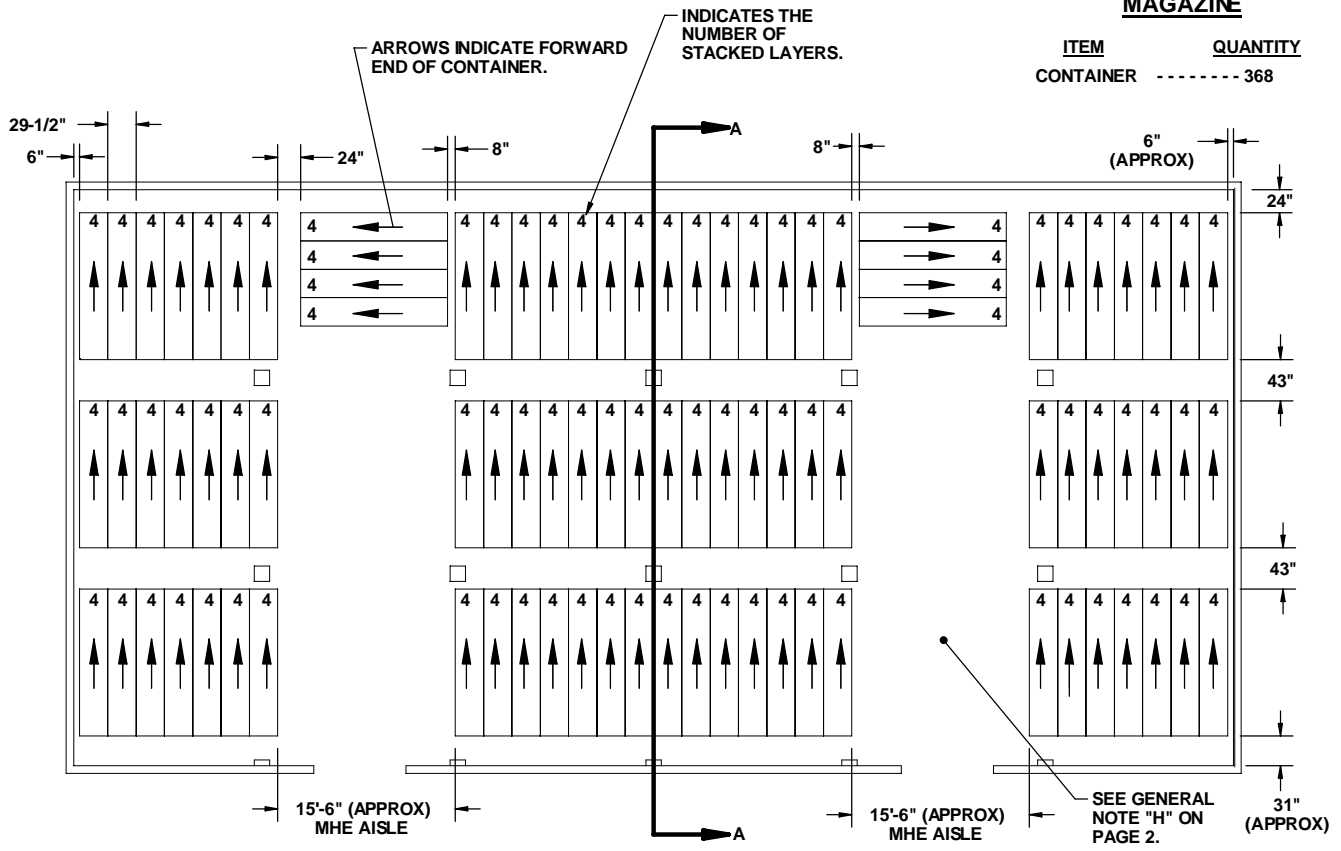
SEE GENERAL
NOTE "H" ON
PAGE 2.

ARROWS INDICATE FORWARD
END OF CONTAINER .

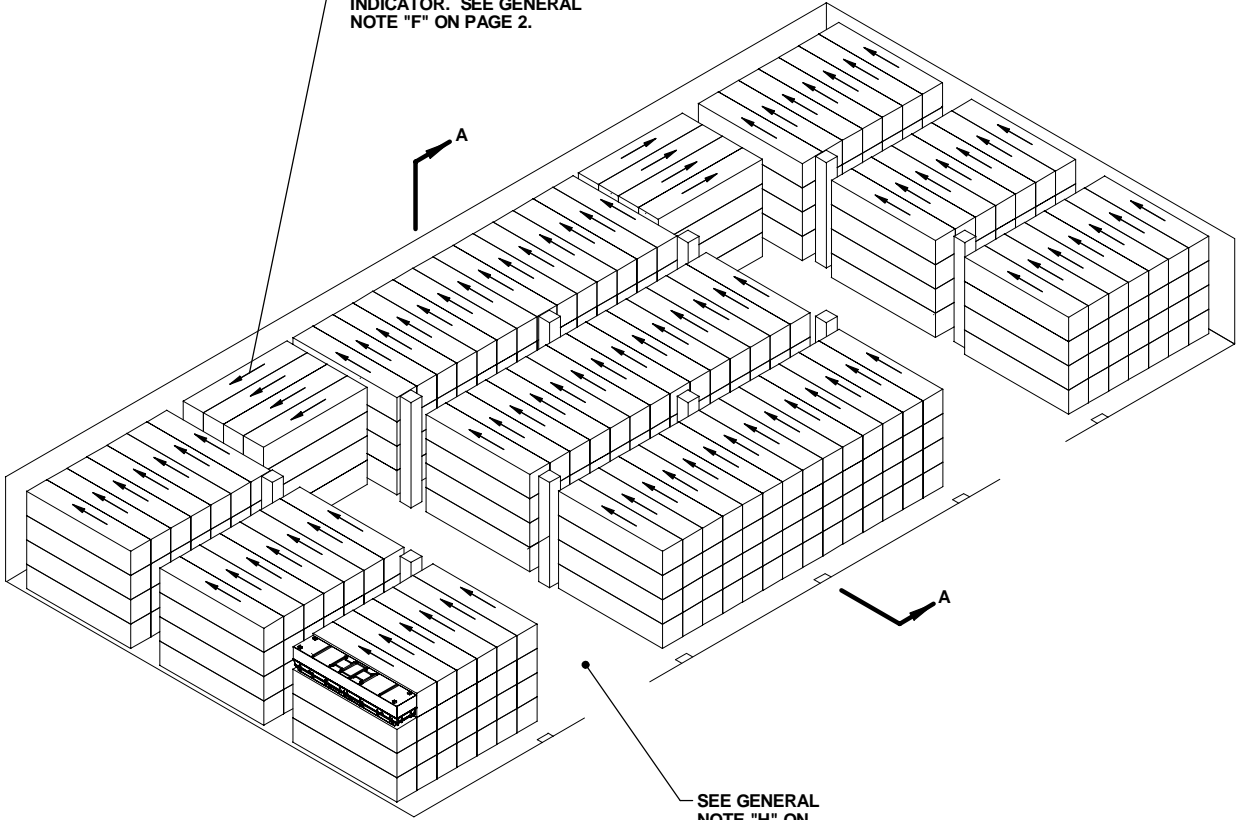
ISOMETRIC VIEW
(52' - 0" DIA MAGAZINE)

**STORAGE IN RECTANGULAR
MAGAZINE**

| ITEM | QUANTITY |
|-----------|-----------|
| CONTAINER | ----- 368 |



ARROWS INDICATE END OF
CONTAINER WITH HUMIDITY
INDICATOR. SEE GENERAL
NOTE "F" ON PAGE 2.



SEE GENERAL
NOTE "H" ON
PAGE 2.

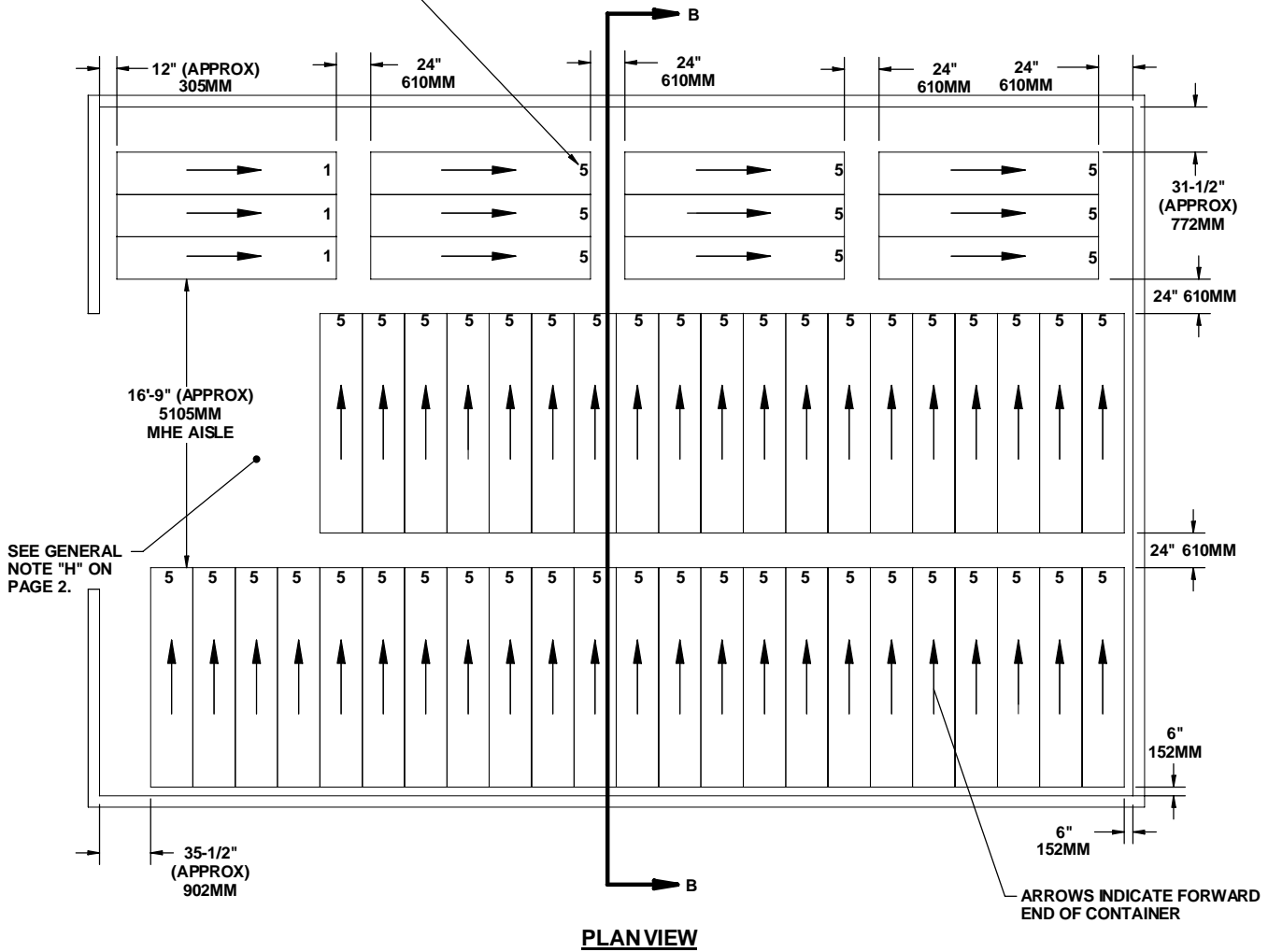
ISOMETRIC VIEW

(50'-0" MAGAZINE)

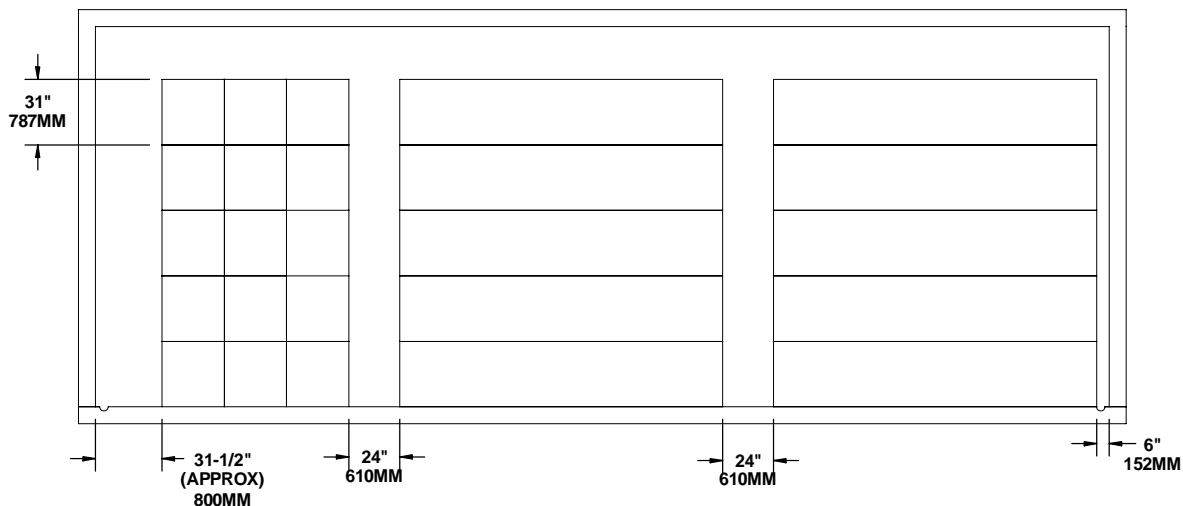
**STORAGE IN TYPE II BUNKER
MAGAZINE**

ITEM QUANTITY
CONTAINER ----- 258

INDICATES THE NUMBER OF STACKED LAYERS.

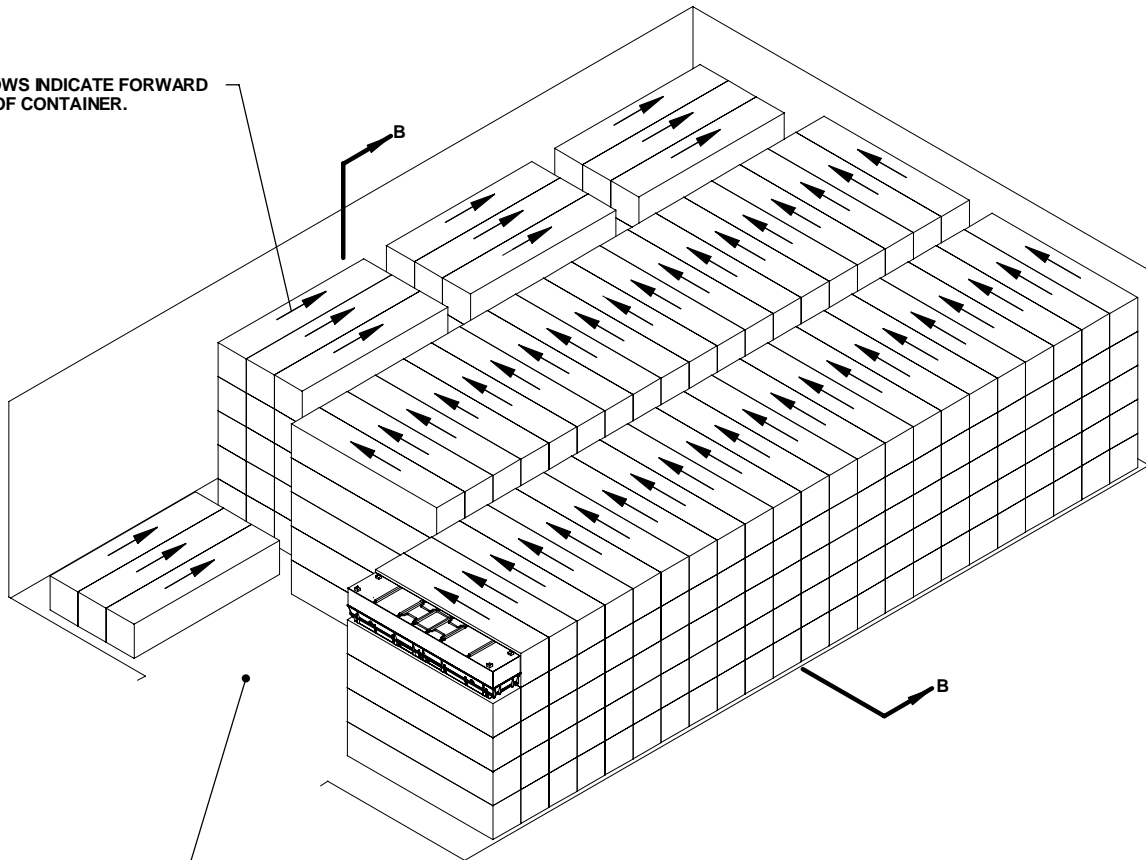


PLANVIEW



SECTION B-B

ARROWS INDICATE FORWARD
END OF CONTAINER.

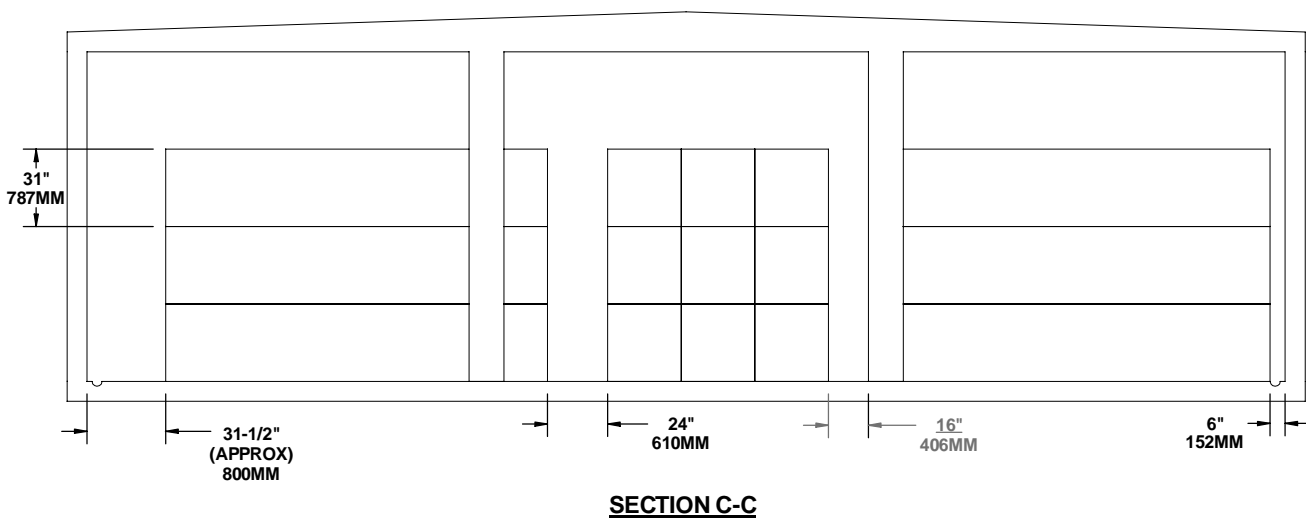
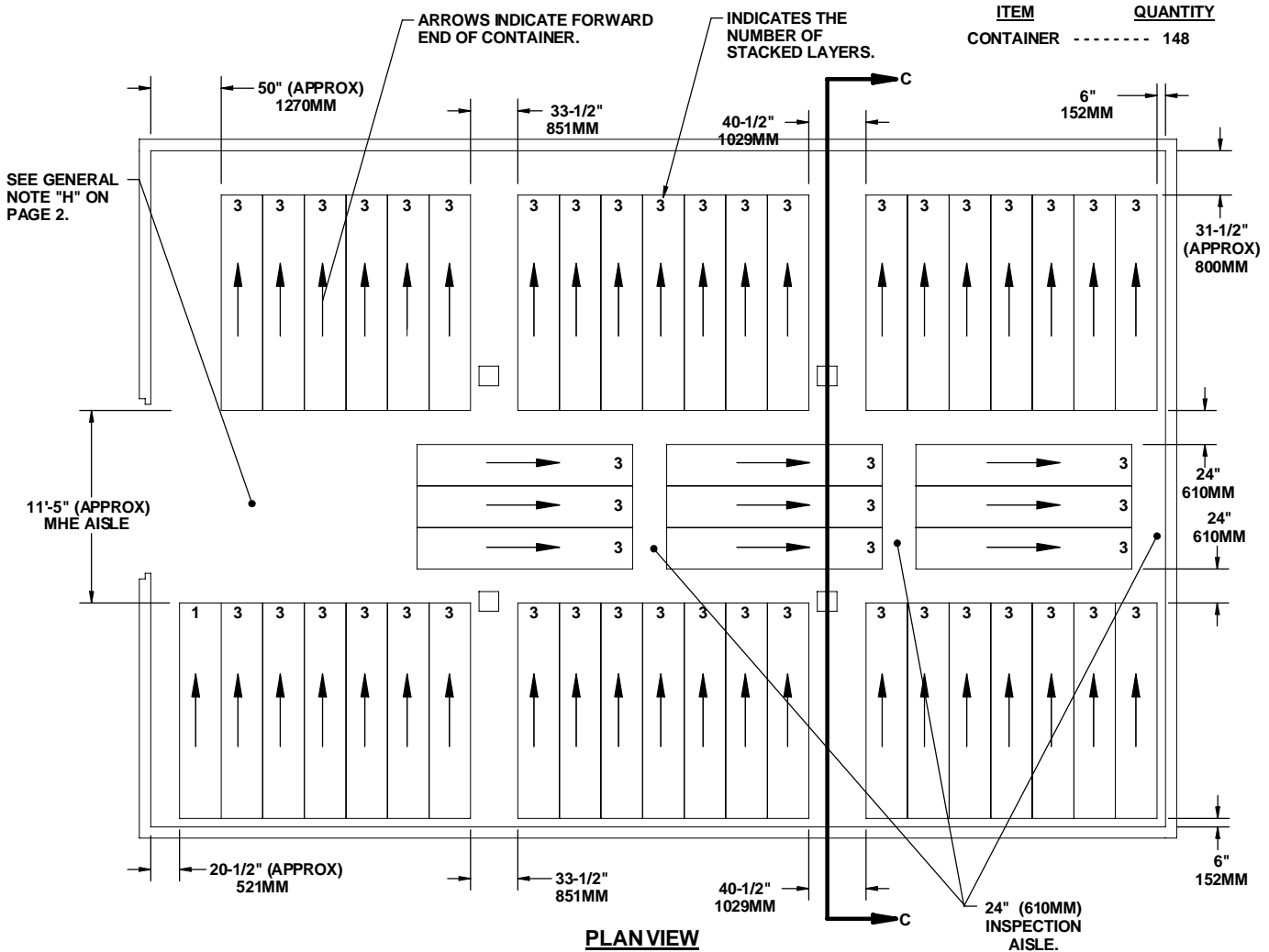


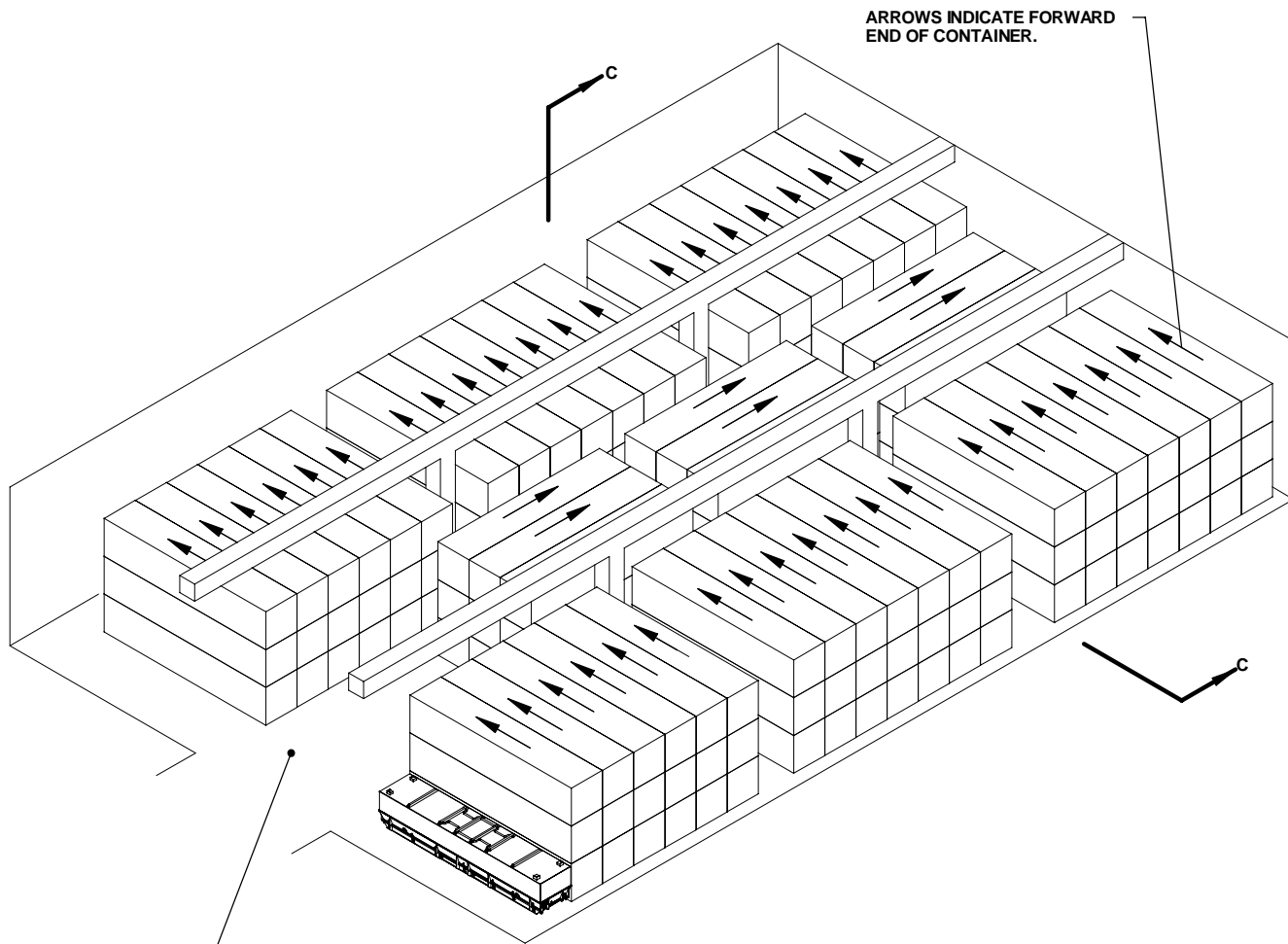
SEE GENERAL
NOTE "H" ON
PAGE 2.

ISOMETRIC VIEW
(TYPE II BUNKER MAGAZINE)

60'-0" L X 40'-0" W X 15'-0" H TYPE II BUNKER MAGAZINE

**STORAGE IN TYPE III BUNKER
MAGAZINE**





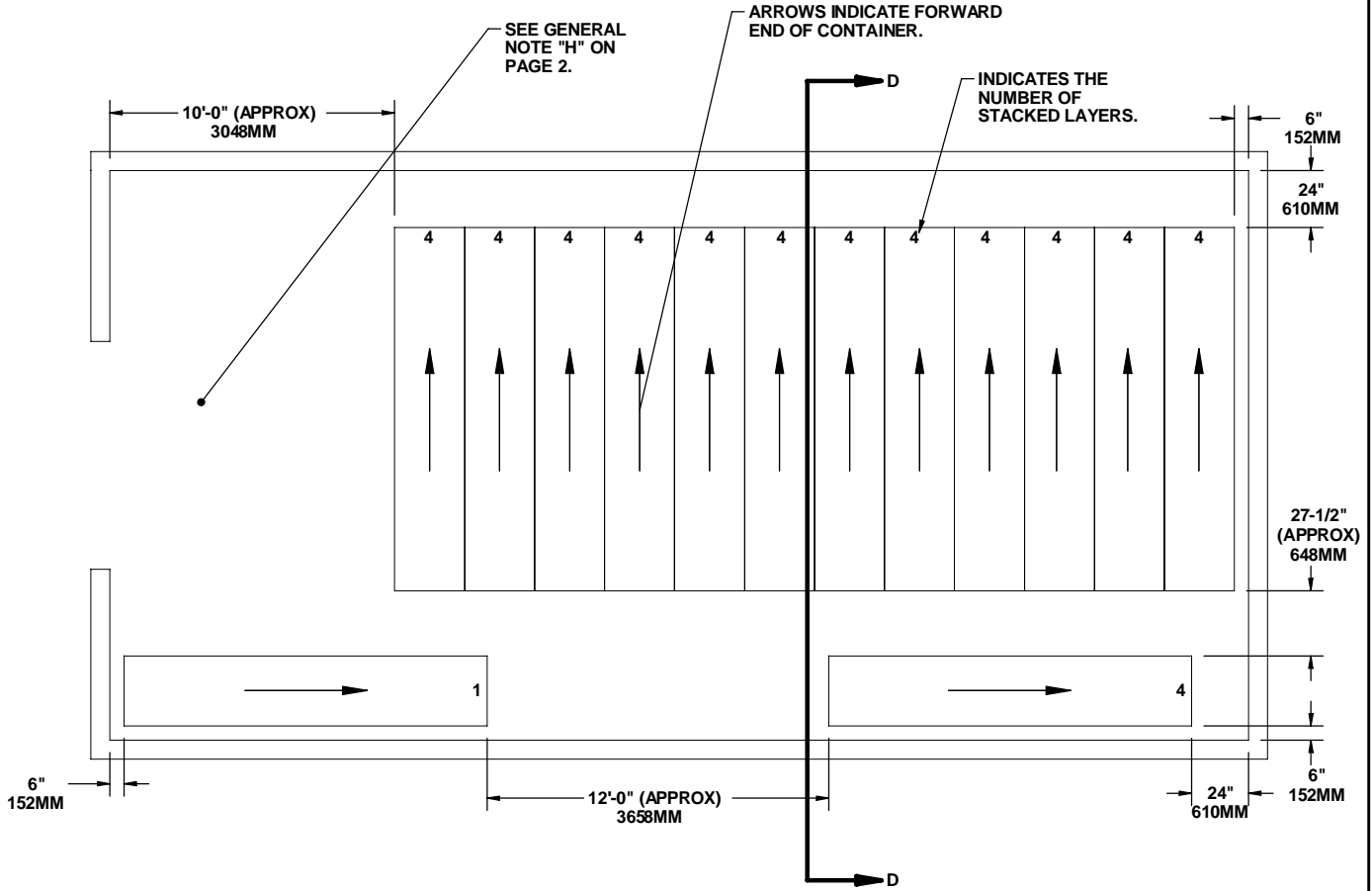
SEE GENERAL NOTE "H" ON PAGE 2.

ISOMETRIC VIEW
(TYPE III BUNKER MAGAZINE)

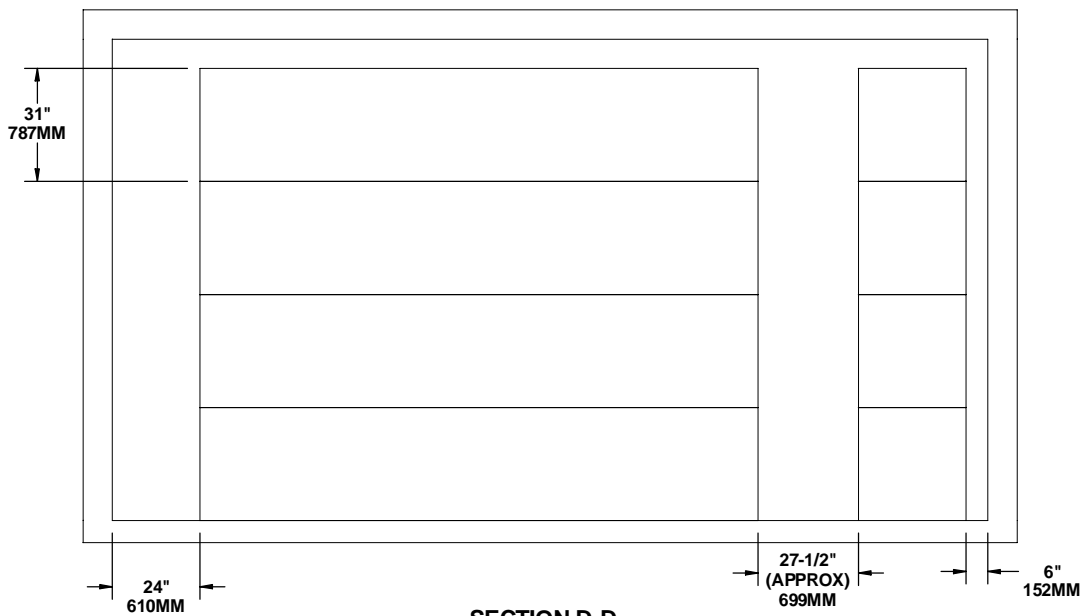
60'-0" L X 40'-0" W X 11'-0" H TYPE III BUNKER MAGAZINE

**STORAGE IN TYPE IV BUNKER
MAGAZINE**

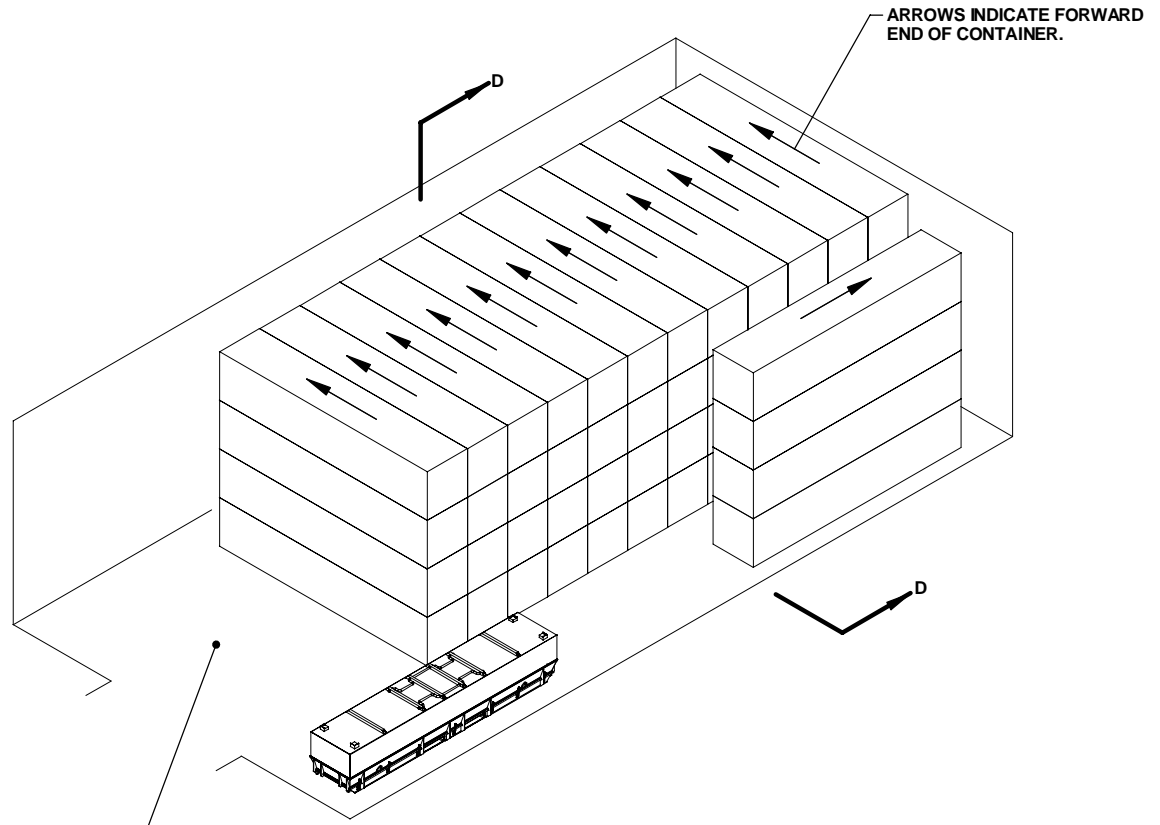
| ITEM | QUANTITY |
|-----------|----------|
| CONTAINER | ----- 53 |



PLAN VIEW

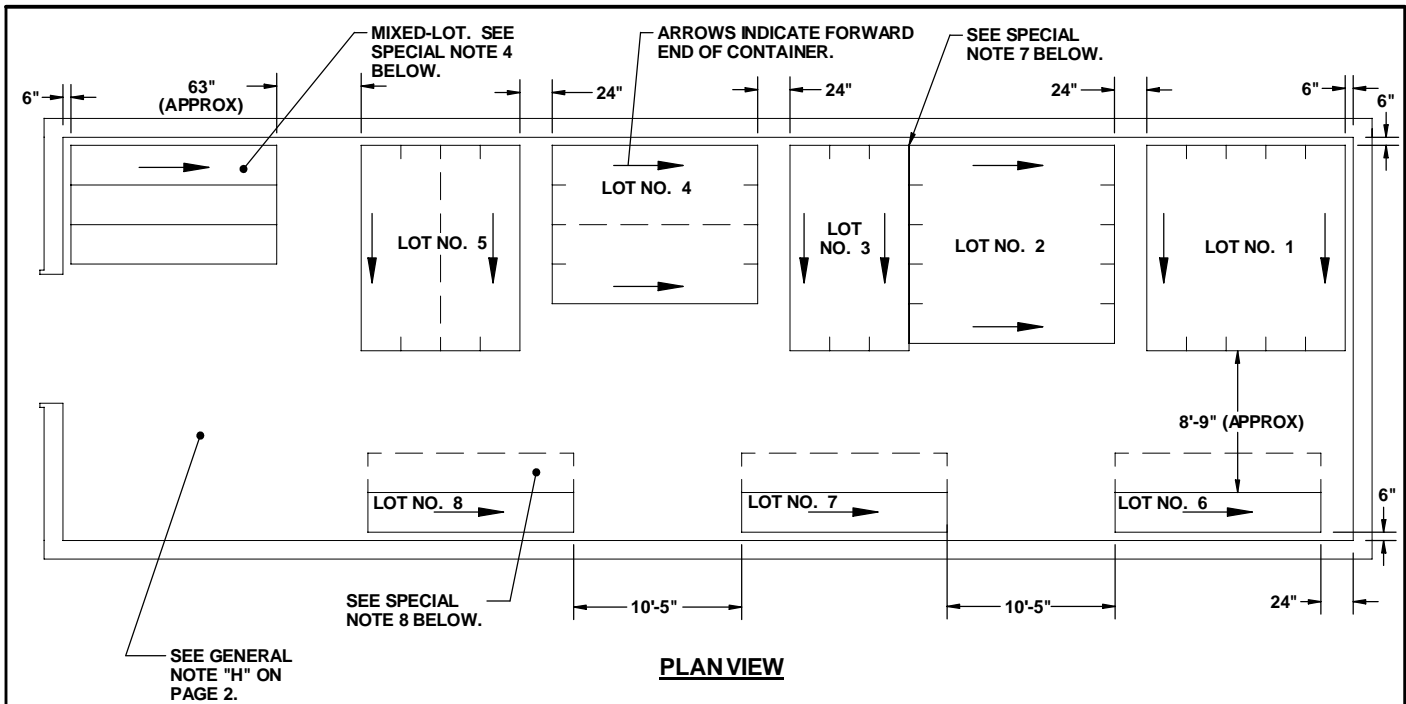


SECTION D-D



ISOMETRIC VIEW
 (TYPE IV BUNKER MAGAZINE)

40'-0" L X 20'-0" W X 11'-0" H TYPE IV BUNKER MAGAZINE



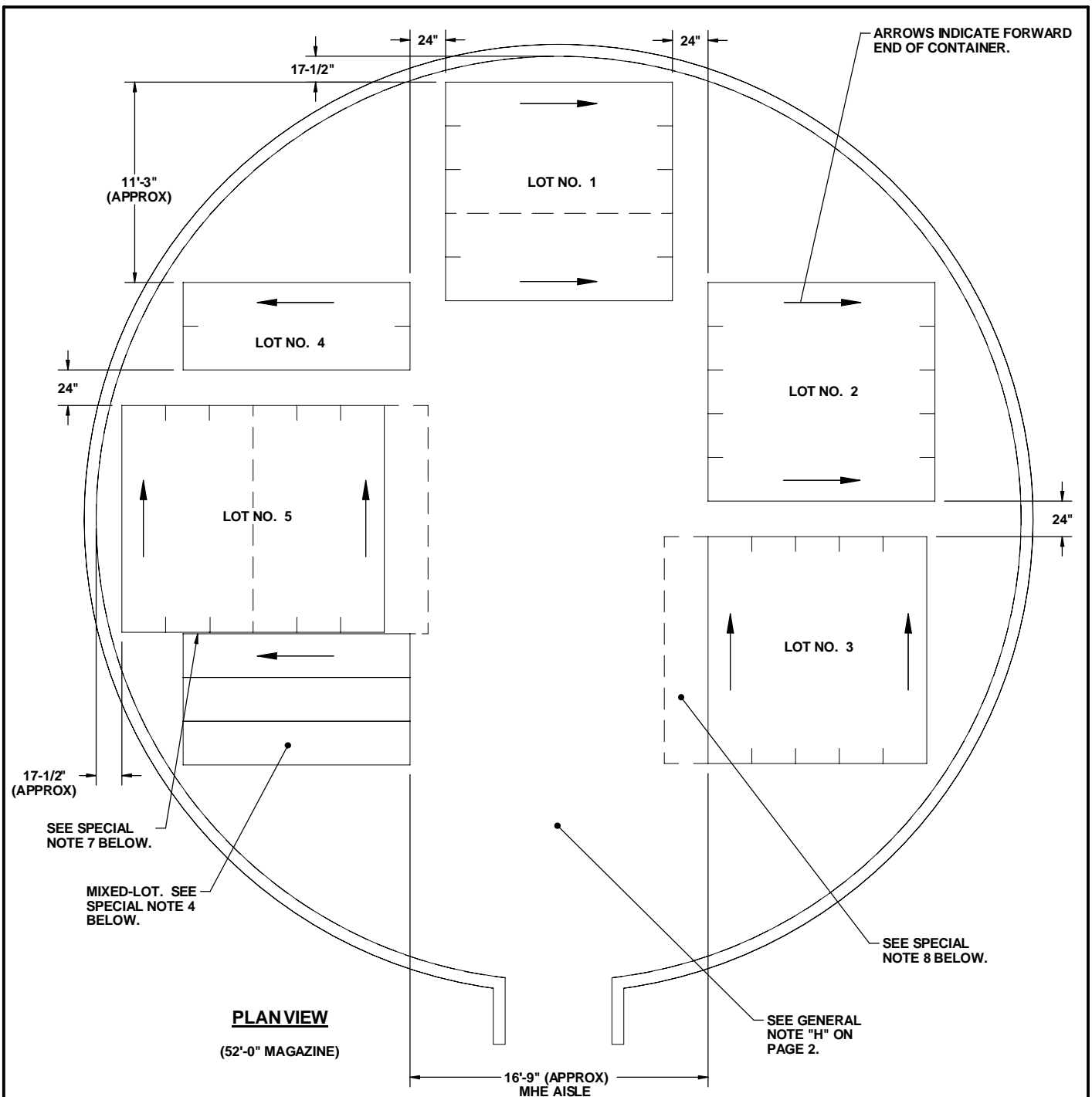
SPECIAL NOTES:

1. THE STORAGE PLAN SHOWN IN THIS PAGE IS TYPICAL ONLY, AND APPLIES TO NUMEROUS LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 24" WIDE MUST BE PROVIDED AT ONE SIDE OR END 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 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. A MIXED-LOT MAY HAVE TWO LOTS. HOWEVER, BOTH LOTS MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.

(CONTINUED AT RIGHT)

(SPECIAL NOTES CONTINUED)

5. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. CONTAINERS OF A SINGLE-LOT OR MIXED-LOT CONTAINERS ARE CONSIDERED "ACCESSIBLE" IF NO MORE THAN 12 "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THE SINGLE-LOT OR MIXED-LOT CONTAINER. A "LIFT" MAY CONSIST OF ONE OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF THE MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
6. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL 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.
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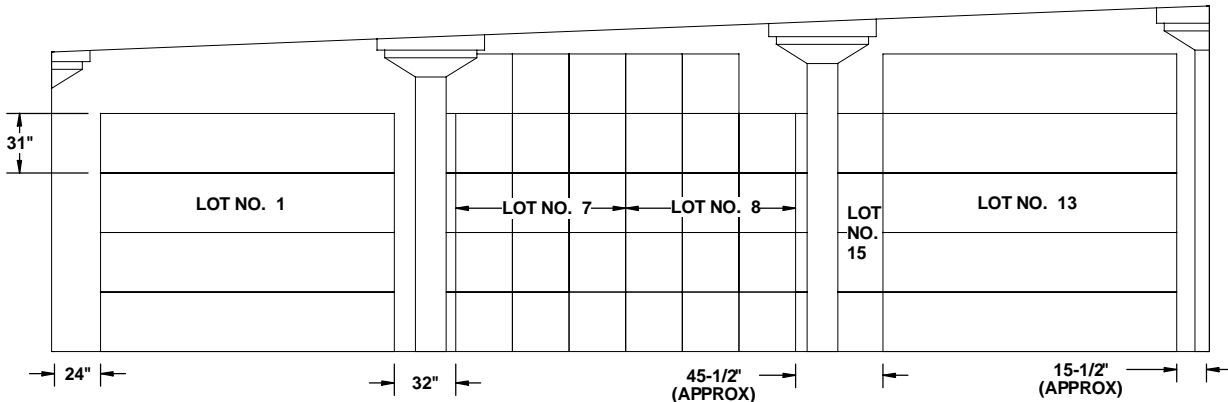
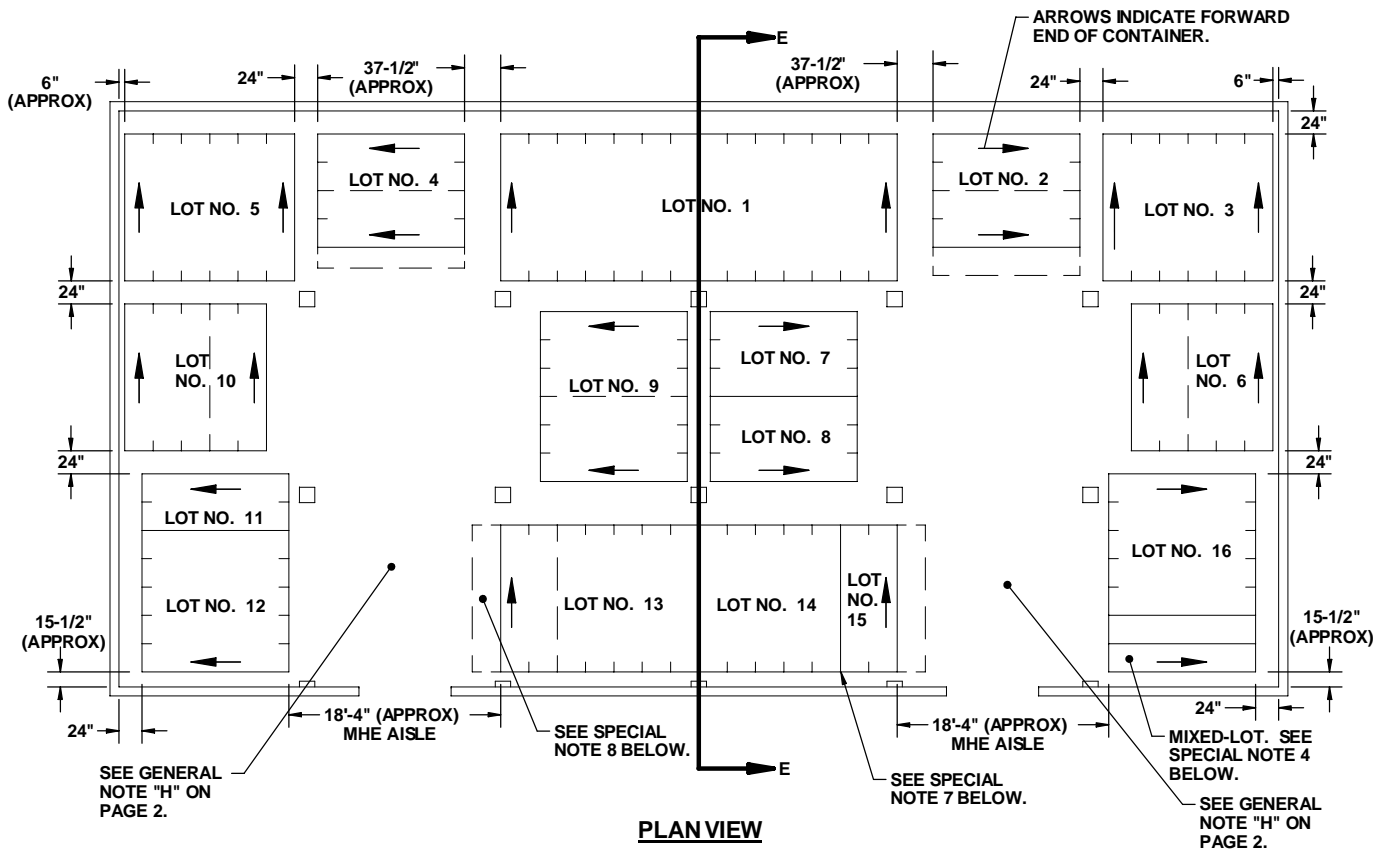
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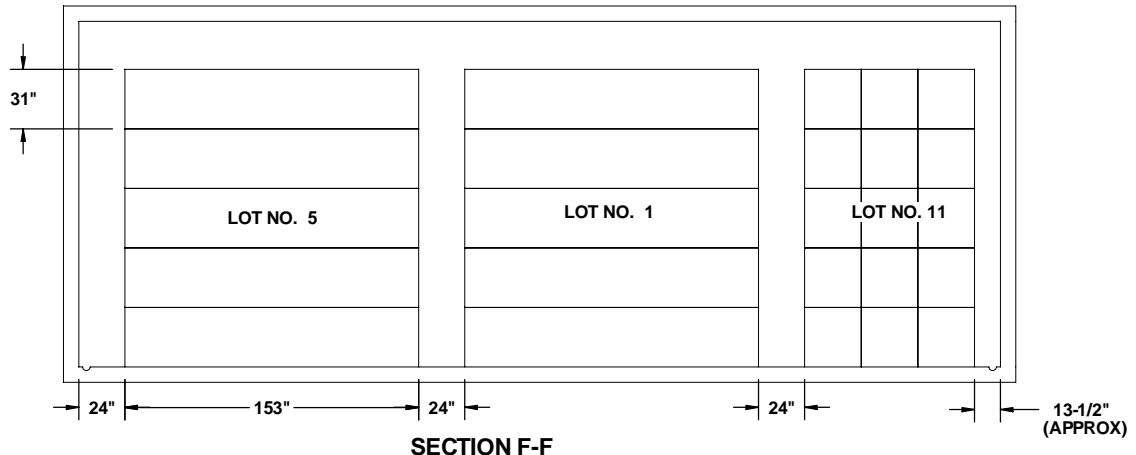
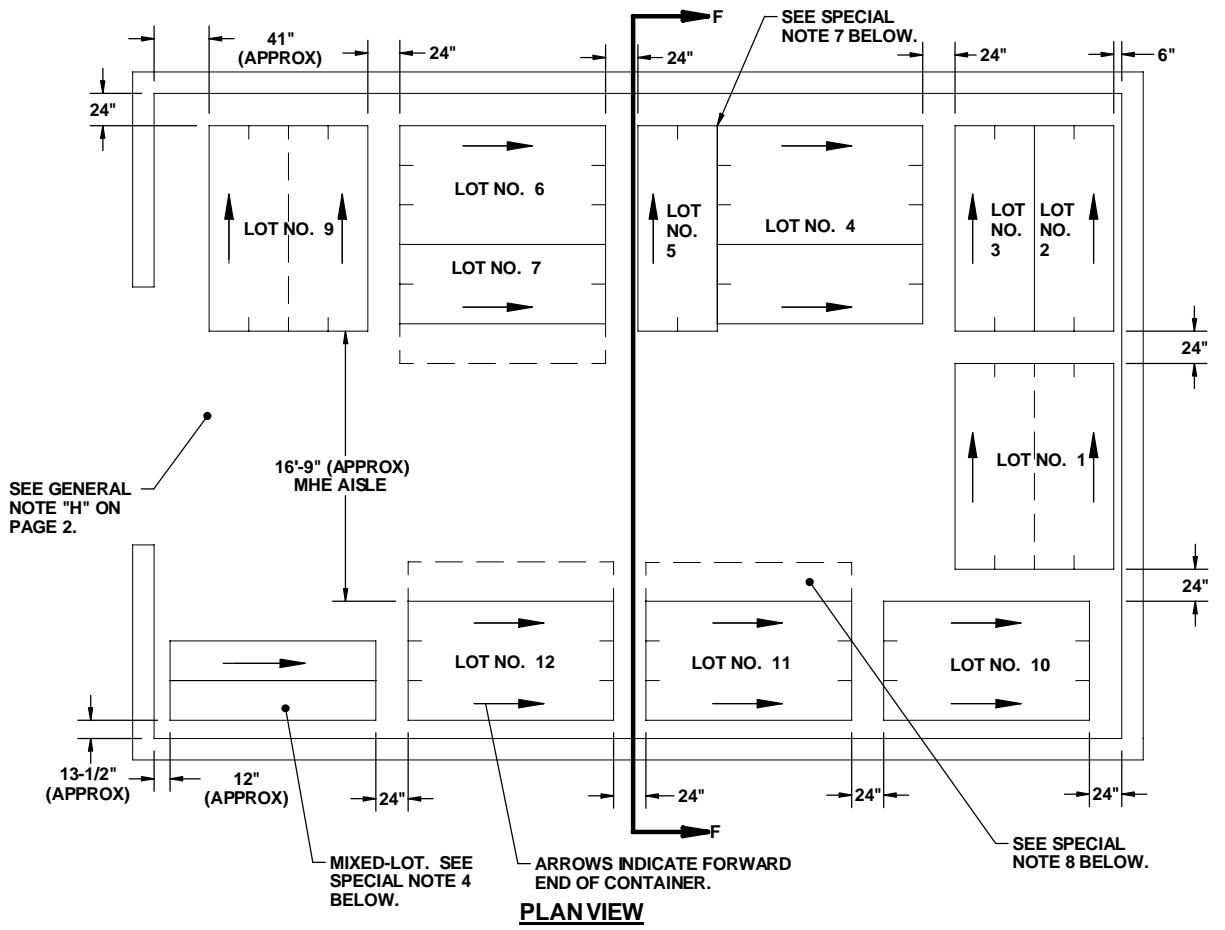


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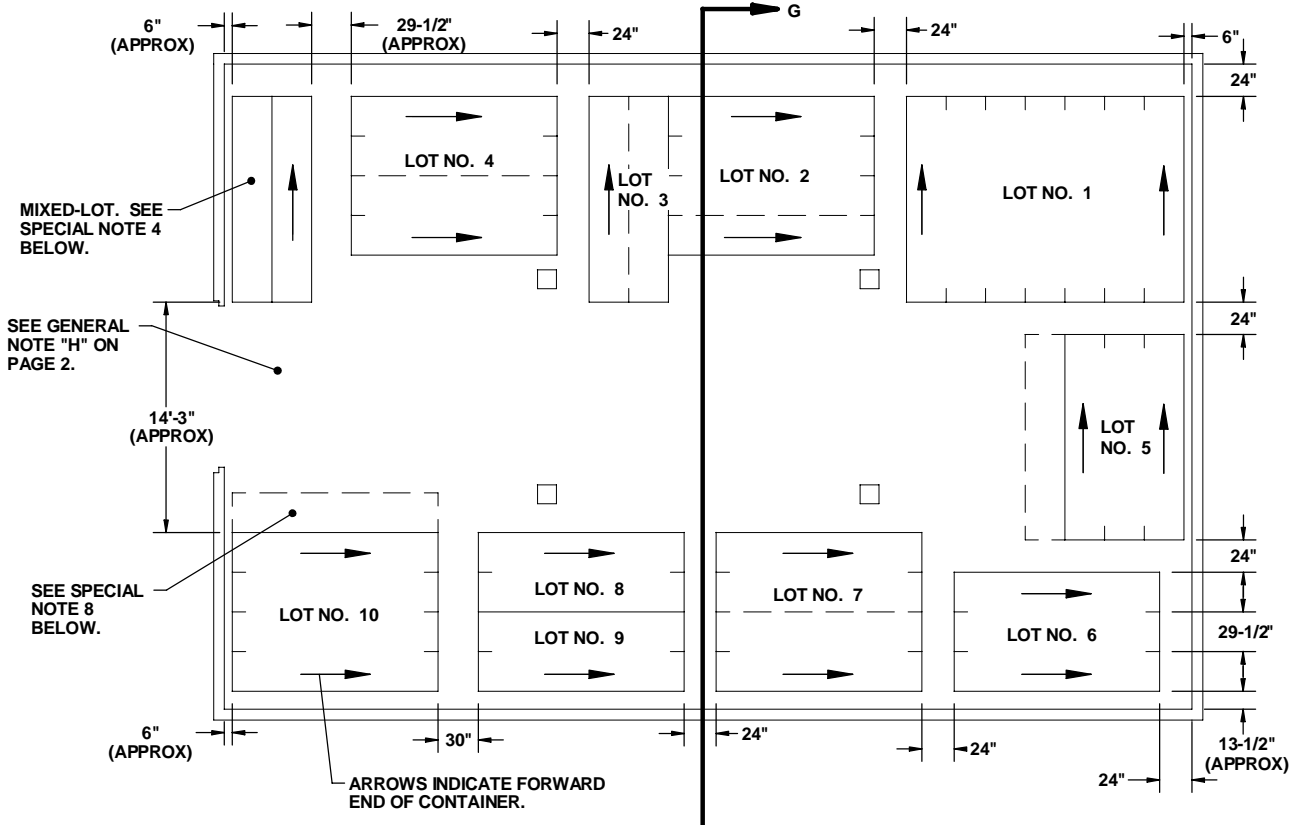
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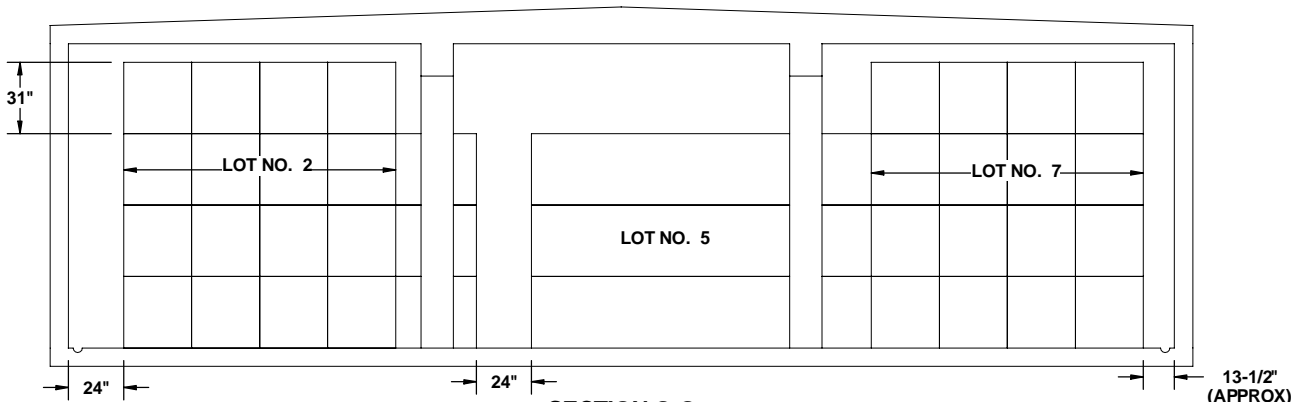
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TYPICAL MULTIPLE-LOT STORAGE IN A TYPE II BUNKER MAGAZINE



PLAN VIEW



SECTION G-G

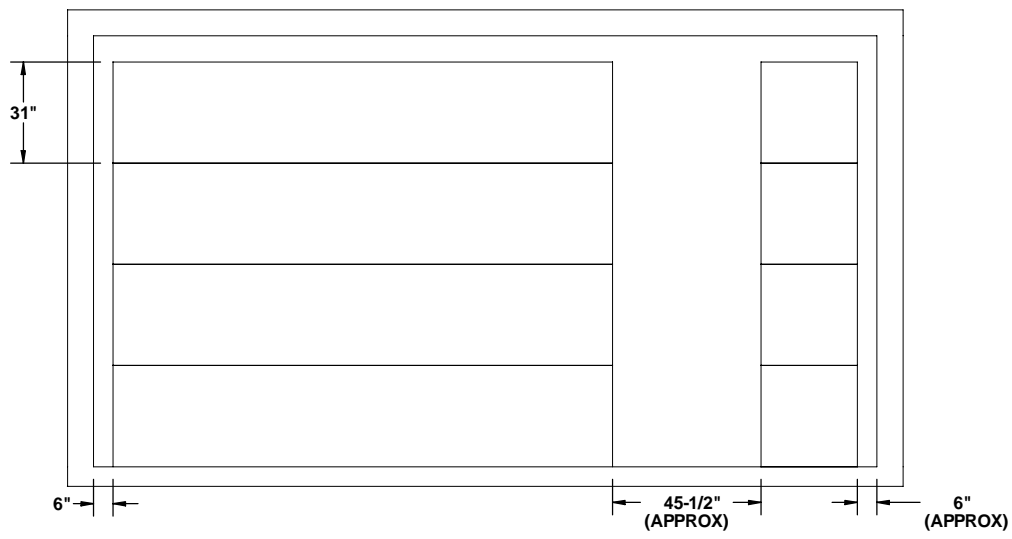
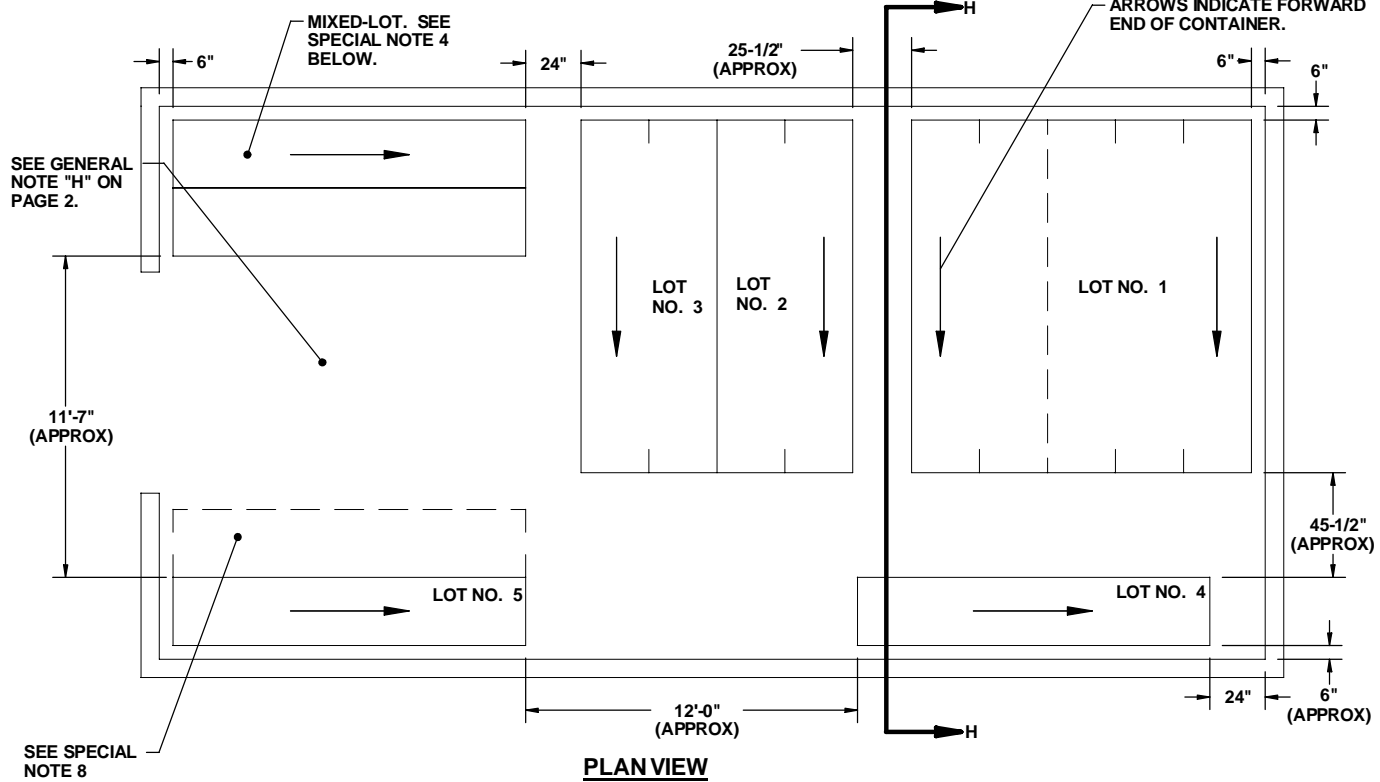
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SECTION H-H

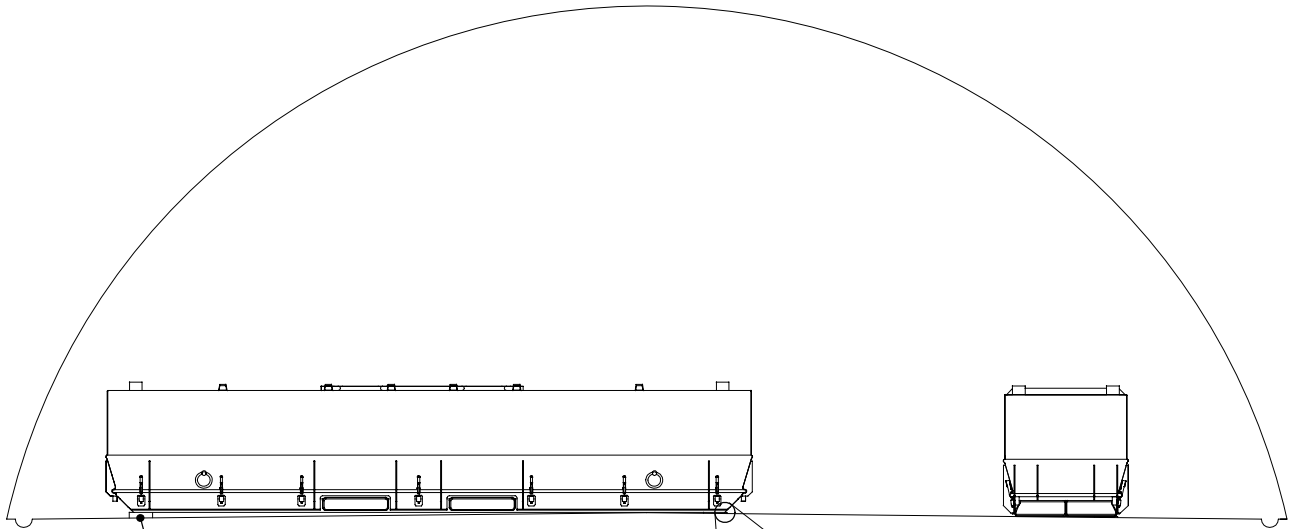
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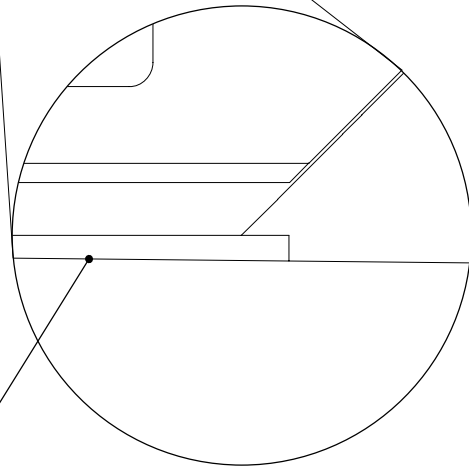
TYPICAL MULTIPLE-LOT STORAGE IN A TYPE IV BUNKER MAGAZINE



SHIM DETAIL

SEE GENERAL NOTE "O" ON PAGE 2.

SHIM (AS REQD TO PROVIDE A LEVEL BEARING SURFACE FOR THE CONTAINER). POSITION UNDER CONTAINER. SEE GENERAL NOTE "O" ON PAGE 2.



SHIM (AS REQD TO PROVIDE A LEVEL BEARING SURFACE FOR THE CONTAINER). POSITION UNDER CONTAINER. SEE GENERAL NOTE "O" ON PAGE 2.

SHIM LOCATION