

# JAVELIN

## STORAGE IN APPROVED MAGAZINES OF GUIDED MISSILES PACKED ONE PER CYLINDRICAL PLASTIC CONTAINER, UNITIZED SIX CONTAINERS PER 4-WAY ENTRY WOODEN PALLET

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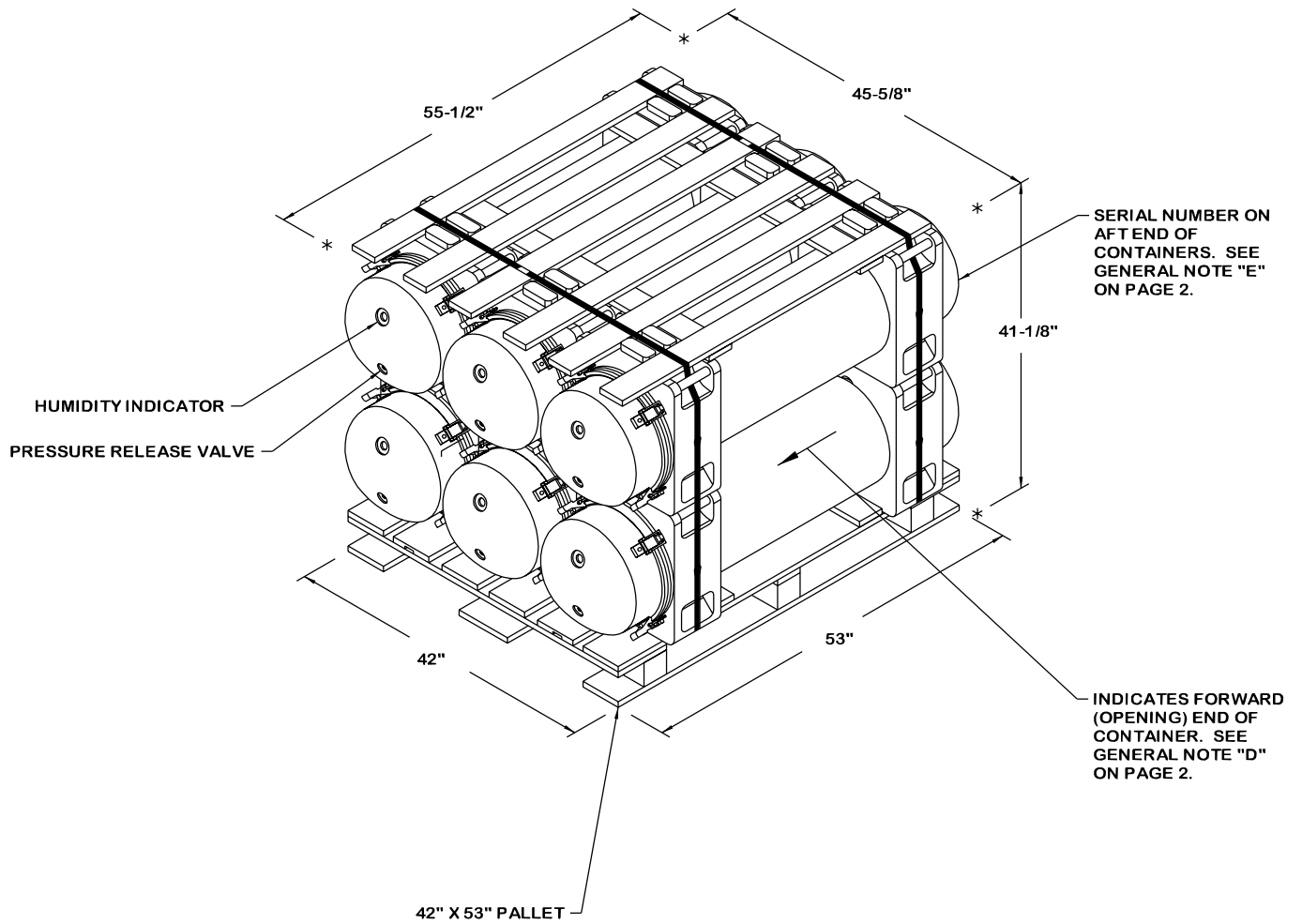
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### U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, U.S. ARMY AVIATION AND MISSILE COMMAND  	ENGINEER	BASIC	WALTER GORDON	DO NOT SCALE				
			REV.		WEBSITE: <a href="http://www.dac.army.mil">HTTP://WWW.DAC.ARMY.MIL</a>			
	TECHNICIAN		BASIC		MAY 2000			
	DRAFTSMAN		BASIC					
			REV.					
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND  U.S. ARMY DEFENSE AMMUNITION CENTER	TRANSPORTATION ENGINEERING DIVISION							
	VALIDATION ENGINEERING DIVISION	TESTED			CLASS	DIVISION	DRAWING	FILE
	LOGISTICS ENGINEERING OFFICE				19	48	5271	GM1-3-4- 14-22JV2

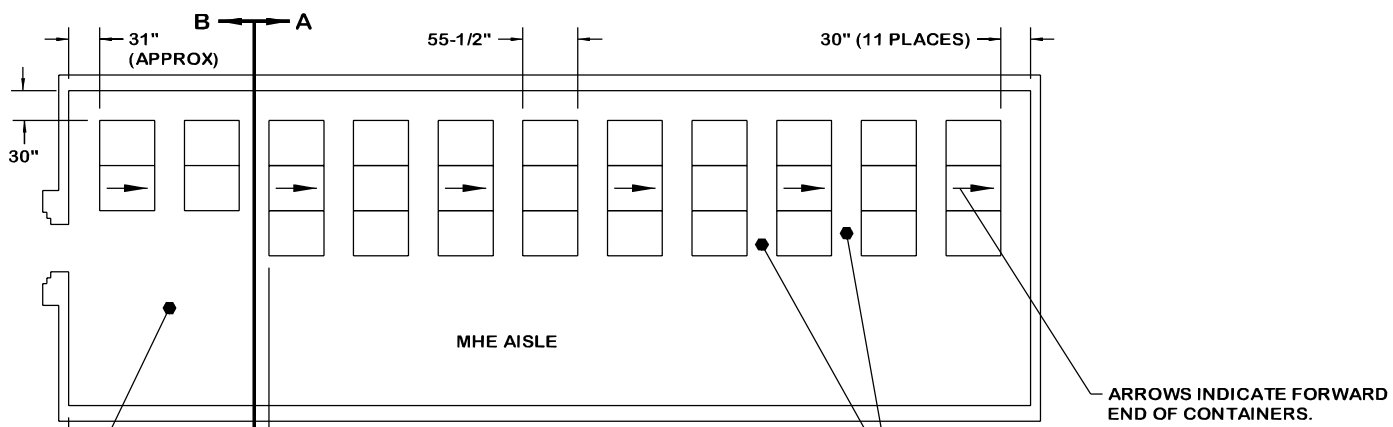
## GENERAL NOTES

- 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 GUIDED MISSILES PACKED ONE PER CYLINDRICAL PLASTIC CONTAINER UNITIZED ON A 42" BY 53" PALLET. SUBSEQUENT REFERENCE TO PALLET UNIT MEANS THE PALLET WITH AMMUNITION ITEMS.
- C. FOR DETAILS OF THE PALLET UNIT, REFER TO U. S. ARMY MATERIEL COMMAND (AMC) UNITIZATION DRAWING 19-48-5270-GM20JV2, AND TO PAGE 3 OF THIS DRAWING.
- D. 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. **CAUTION:** THIS ITEM IS IN A "PROPULSIVE STATE" AND MUST BE STORED WITH THE FORWARD END FACING TOWARD THE REAR WALL OR SIDE WALL OF A MAGAZINE AS INDICATED BY THE DIRECTIONAL ARROWS IN THE STORAGE VIEWS. THEREFORE, EACH PALLET UNIT WILL BE CHECKED TO ENSURE THAT THE FORWARD END OF ALL CONTAINERS IN THE UNIT IS FACING IN ONE DIRECTION.
- E. AN INSPECTION AISLE IS REQUIRED AT BOTH ENDS OF EACH CONTAINER FOR INSPECTION OF THE HUMIDITY INDICATOR AND IDENTIFICATION OF CONTAINER SERIAL NUMBER.
- F. THE DEPICTED PROCEDURES PROVIDE FOR EACH PALLET UNIT TO BE READILY ACCESSIBLE FOR REMOVAL BY CONTAINER SERIAL NUMBER AND/OR LOT NUMBER WITH A MINIMUM OF TEMPORARY RELOCATION OF OTHER PALLET UNITS TO GAIN ACCESS TO THAT UNIT.
- G. 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 (MHE), IF AVAILABLE MHE PERMITS AND ALL REQUIREMENTS SET FORTH IN GENERAL NOTES "D", "E", AND "F" ARE COMPLIED WITH.
- H. STORED PALLET UNITS MUST NOT CONTACT THE WALLS OF A MAGAZINE. THEREFORE, PALLET UNITS WILL 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.
- 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 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.
- L. PORTIONS OF THE MAGAZINES, SUCH AS SIDE WALLS, END WALLS, AND ROOFS HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- M. THE MAXIMUM FLOOR LOAD FOR A MAGAZINE AS PRESCRIBED BY LOCAL STANDARDS WILL NOT BE EXCEEDED.
- N. 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.



**PALLET UNIT**

TOTAL WEIGHT ----- 695 LBS (APPROX)  
 CUBE ----- 60.3 CU FT (APPROX)



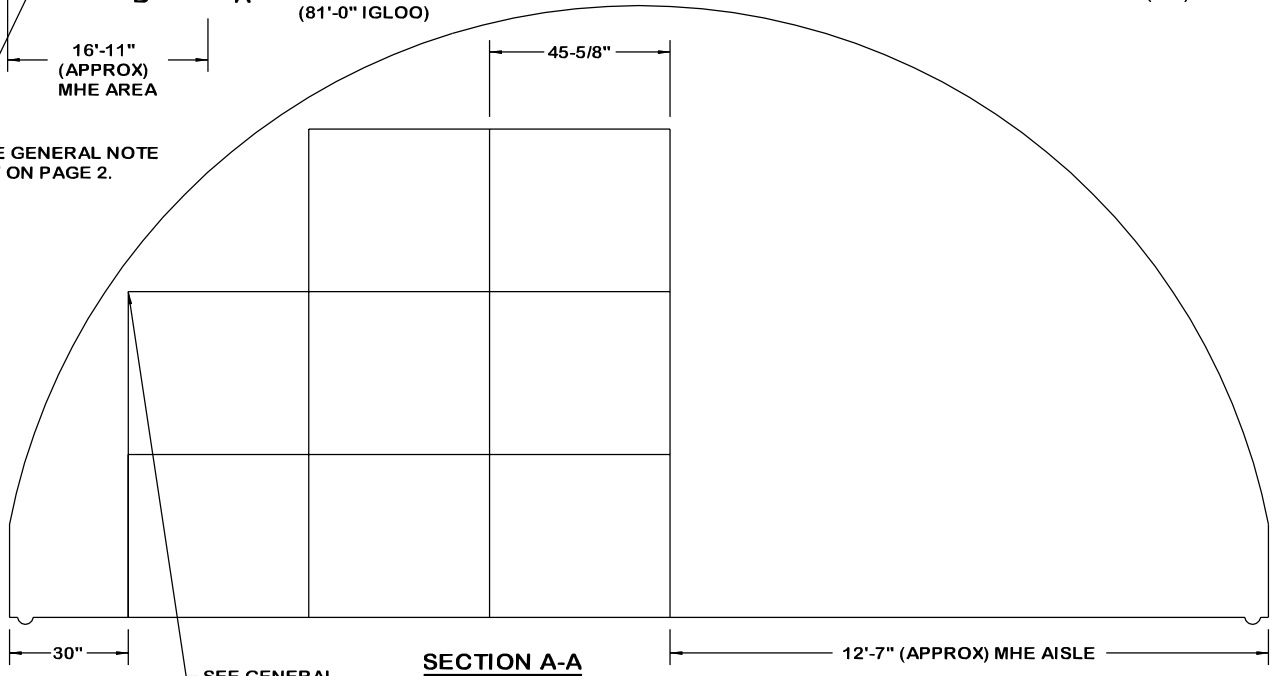
**PLAN VIEW**  
(81'-0" IGLOO)

ARROWS INDICATE FORWARD END OF CONTAINERS.

INDICATES INSPECTION AISLES (30").

16'-11" (APPROX) MHE AREA

SEE GENERAL NOTE "G" ON PAGE 2.

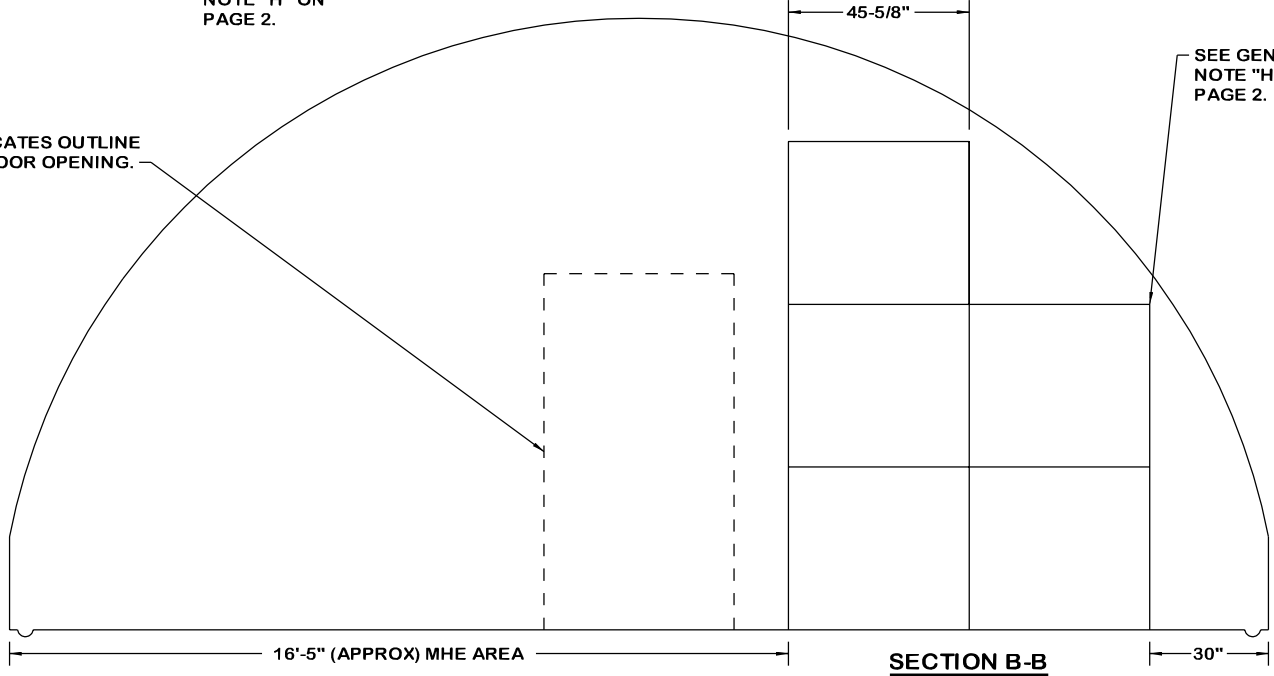


**SECTION A-A**

12'-7" (APPROX) MHE AISLE

SEE GENERAL NOTE "H" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.



**SECTION B-B**

16'-5" (APPROX) MHE AREA

SEE GENERAL NOTE "H" ON PAGE 2.

**STORAGE IN 81'-0" IGLOO**

(12'-9" HIGH)

ITEM	QUANTITY
PALLET UNITS	82
MISSILES	492

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

(12'-9" HIGH)

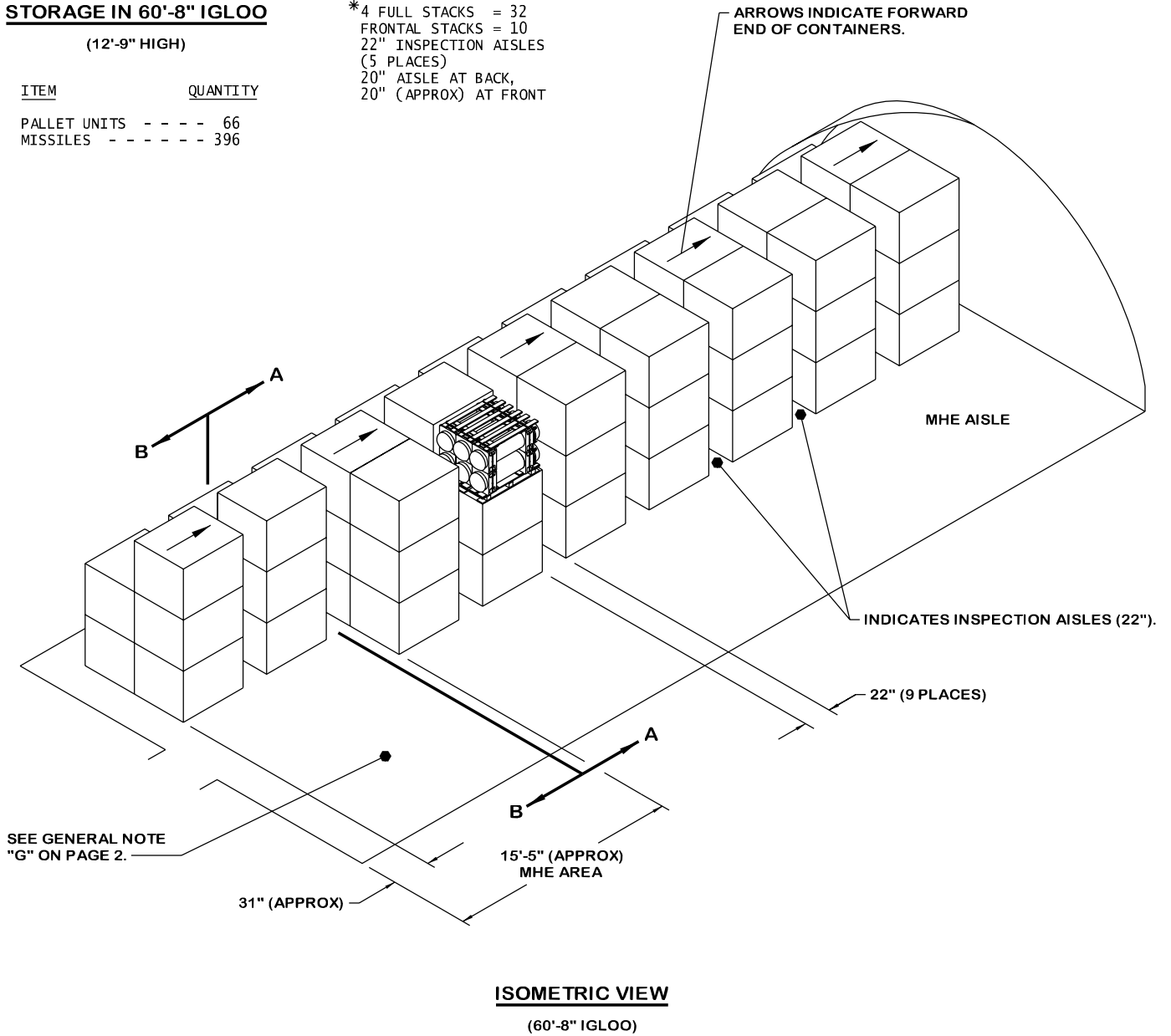
ITEM	QUANTITY
PALLET UNITS	42
MISSILES	252

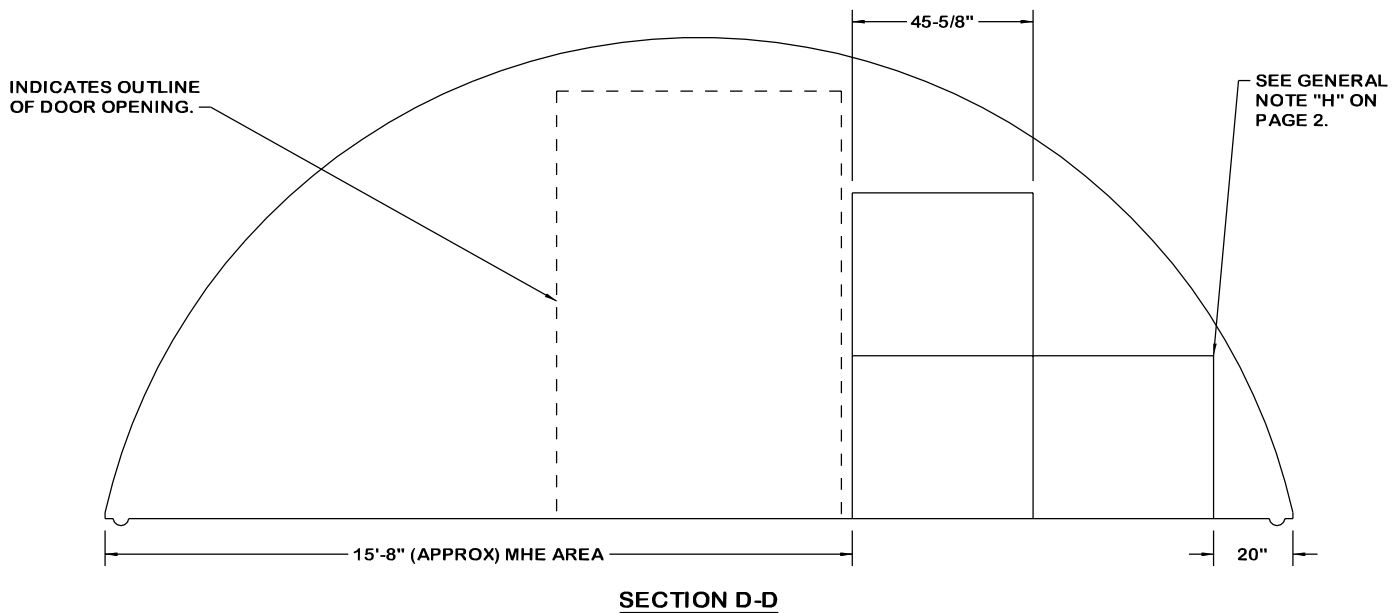
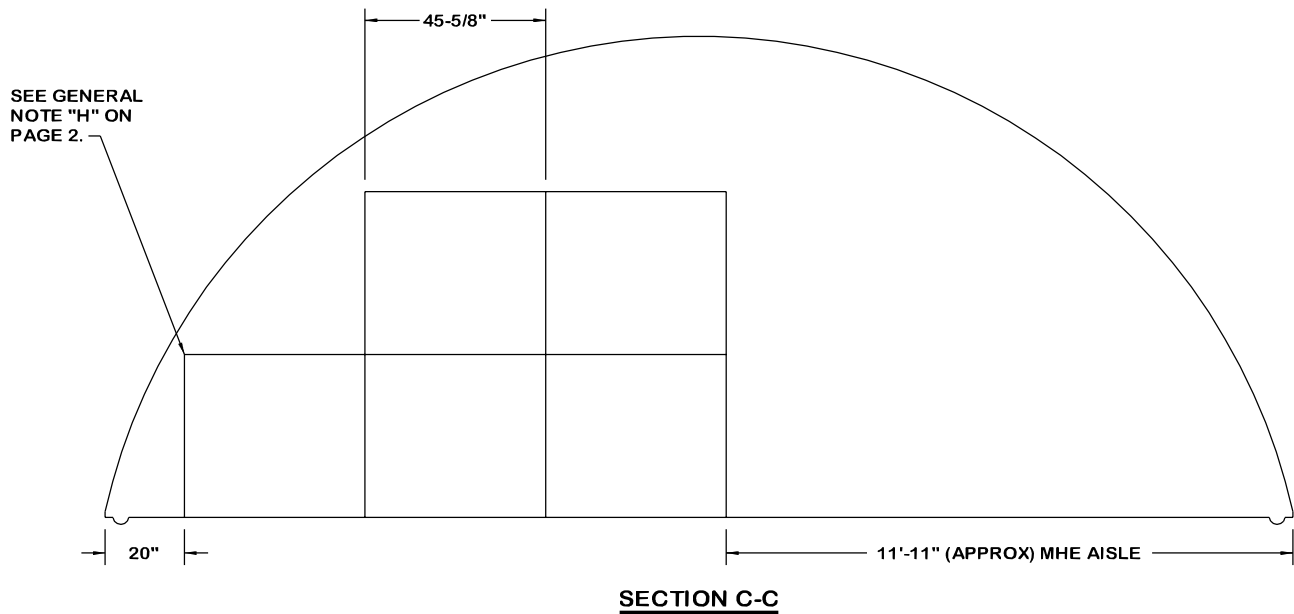
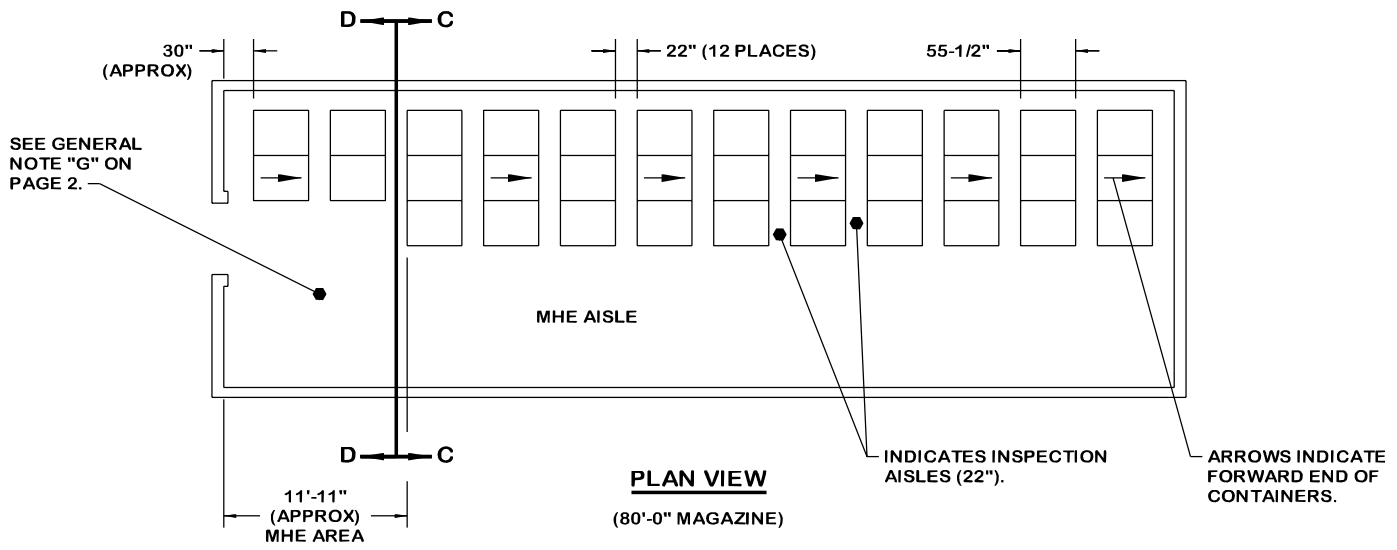
**STORAGE IN 60'-8" IGLOO**

(12'-9" HIGH)

ITEM	QUANTITY
PALLET UNITS	66
MISSILES	396

\* 4 FULL STACKS = 32  
 FRONTAL STACKS = 10  
 22" INSPECTION AISLES  
 (5 PLACES)  
 20" AISLE AT BACK,  
 20" (APPROX) AT FRONT





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

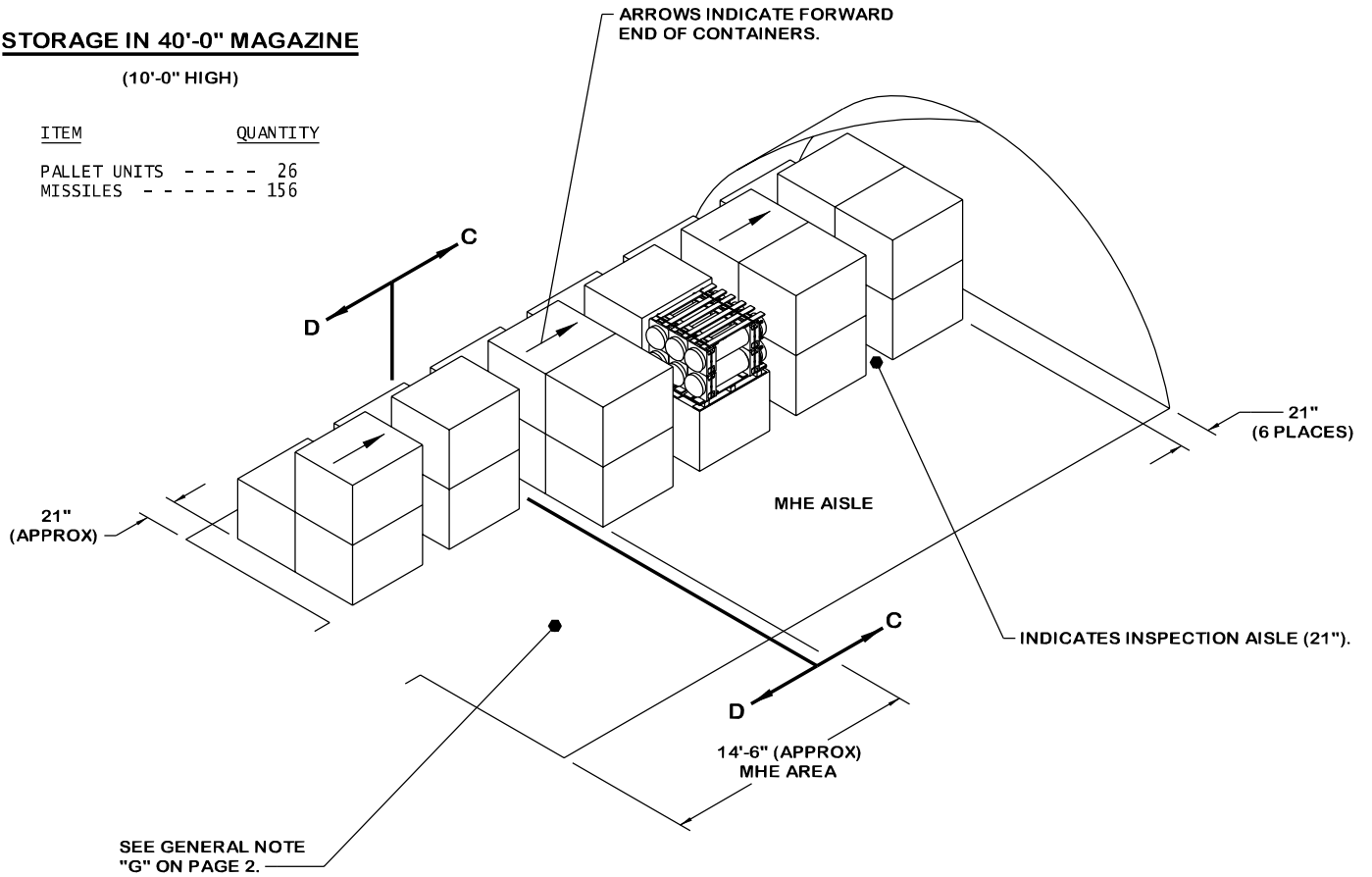
(10'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS	56
MISSILES	336

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

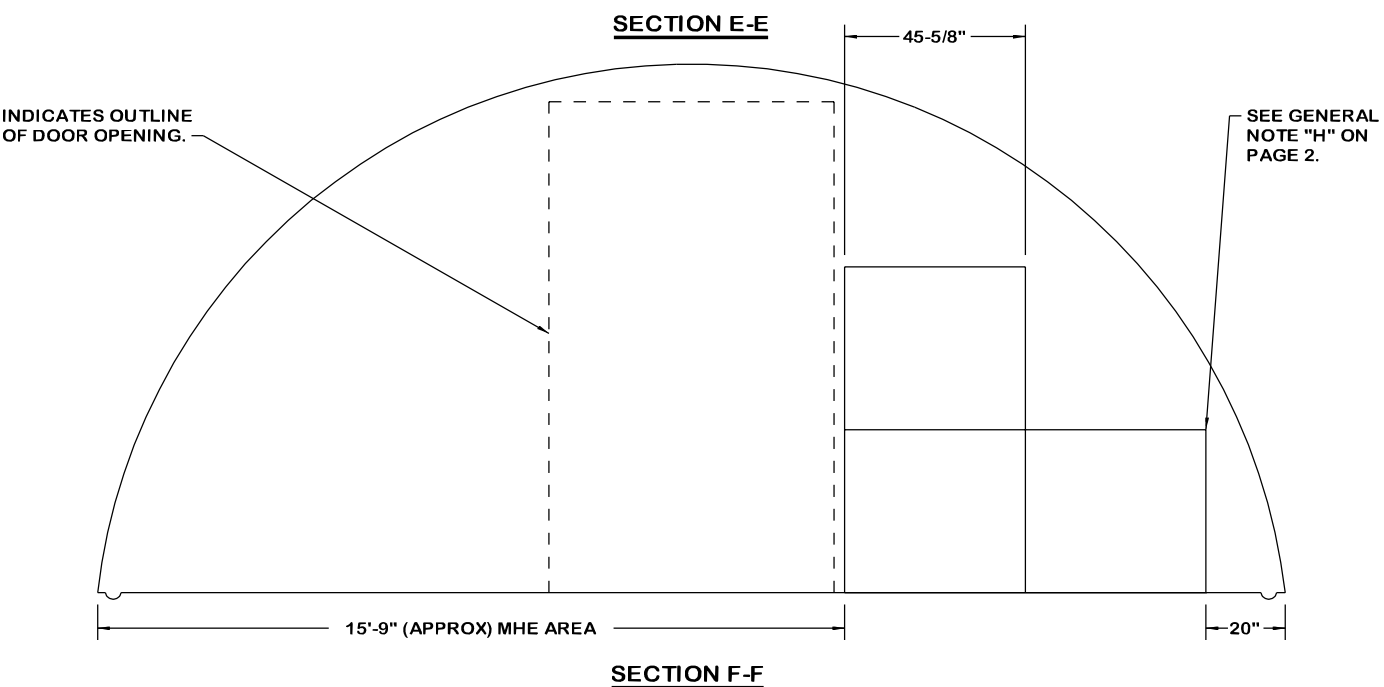
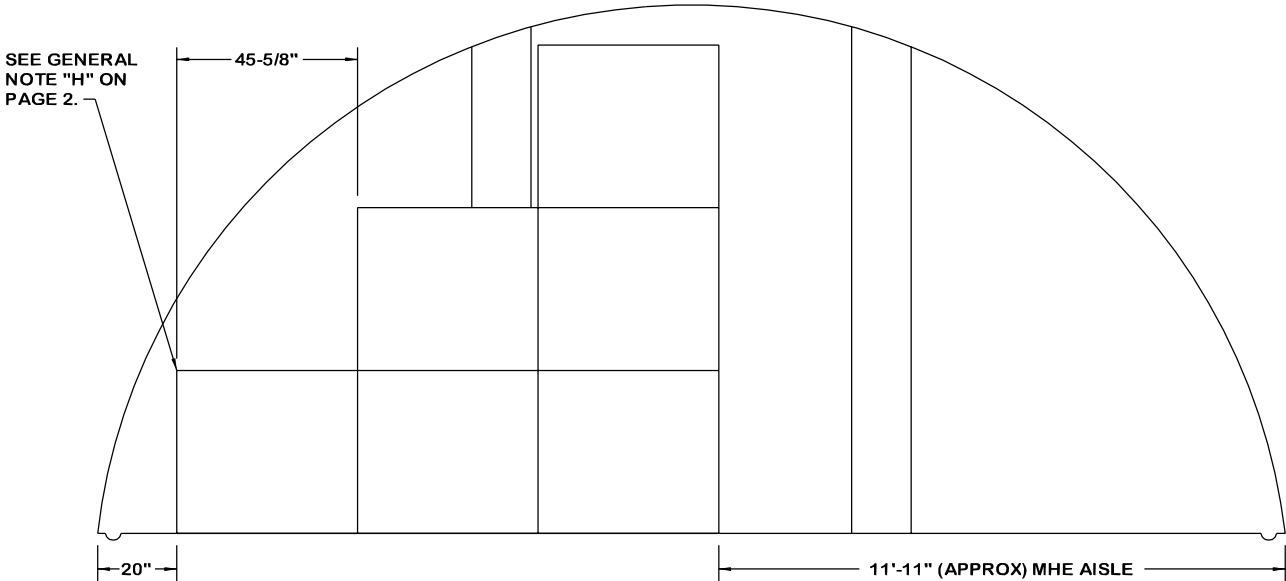
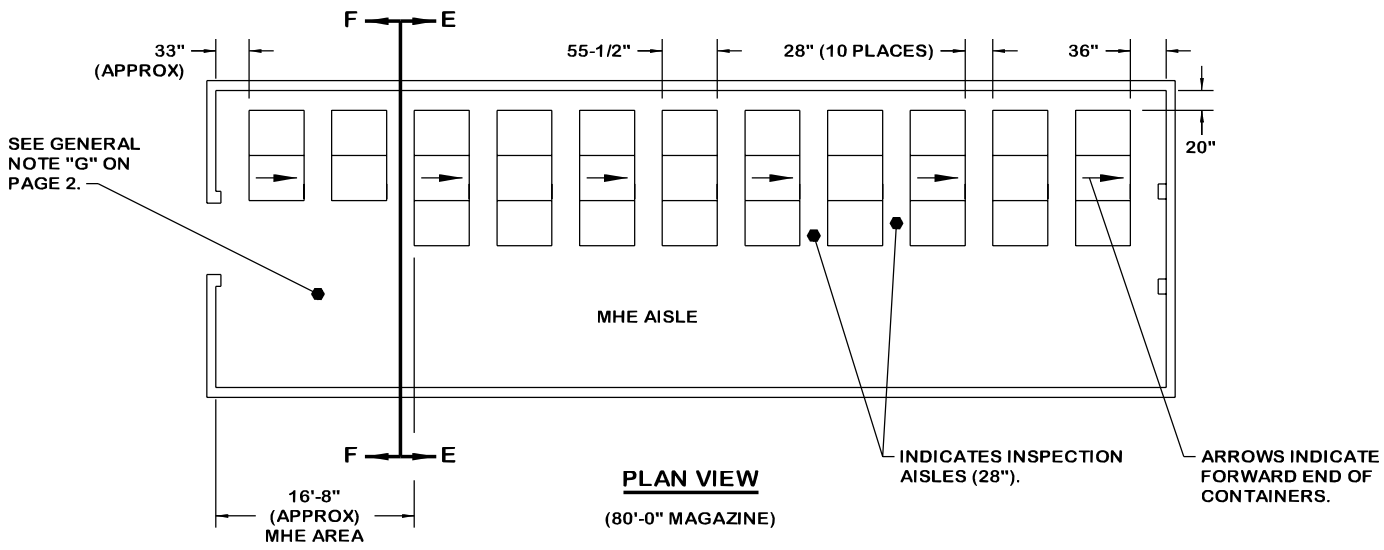
(10'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS	26
MISSILES	156



**ISOMETRIC VIEW**

(40'-0" MAGAZINE)





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

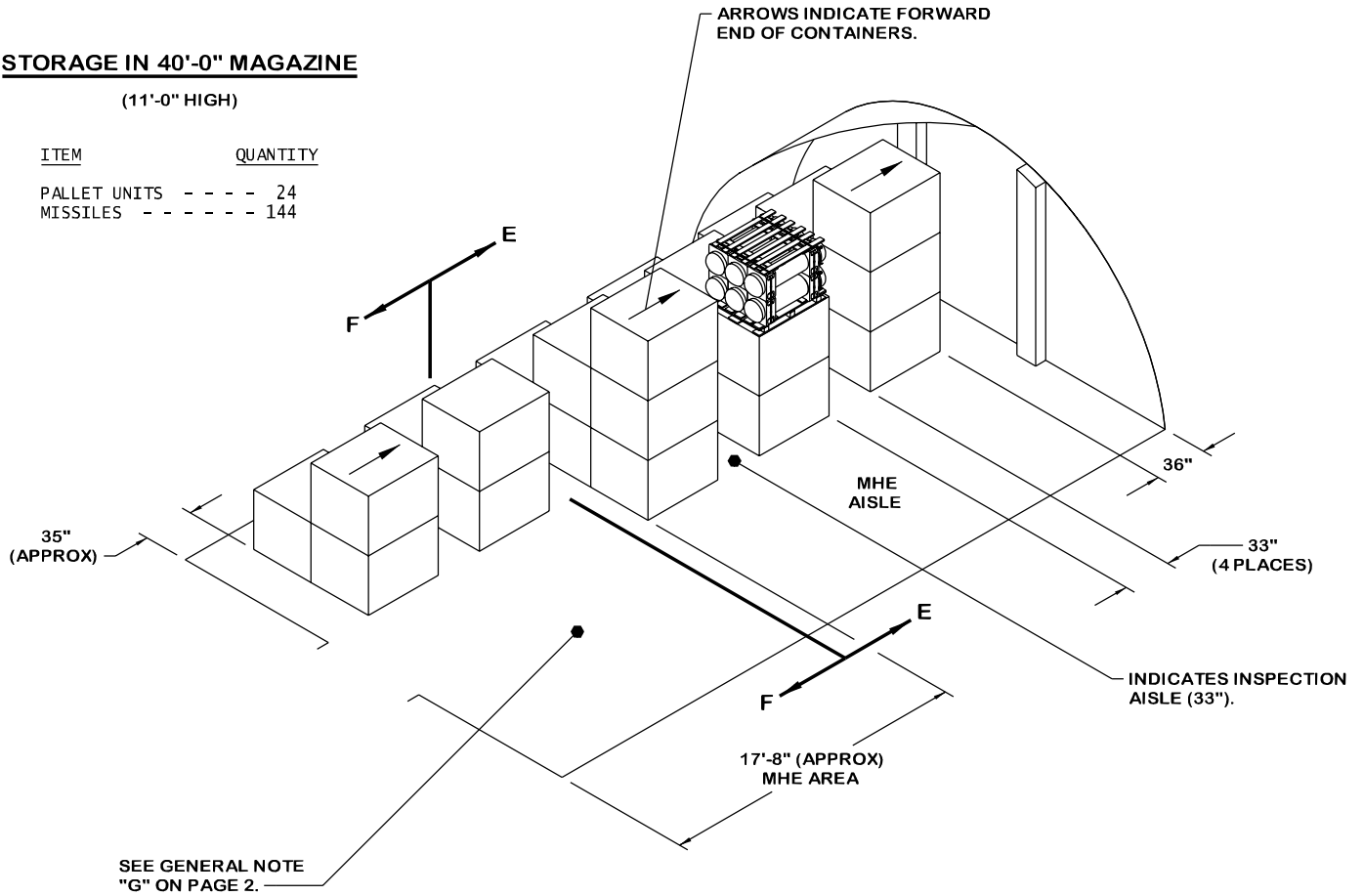
(11'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS	60
MISSILES	360

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

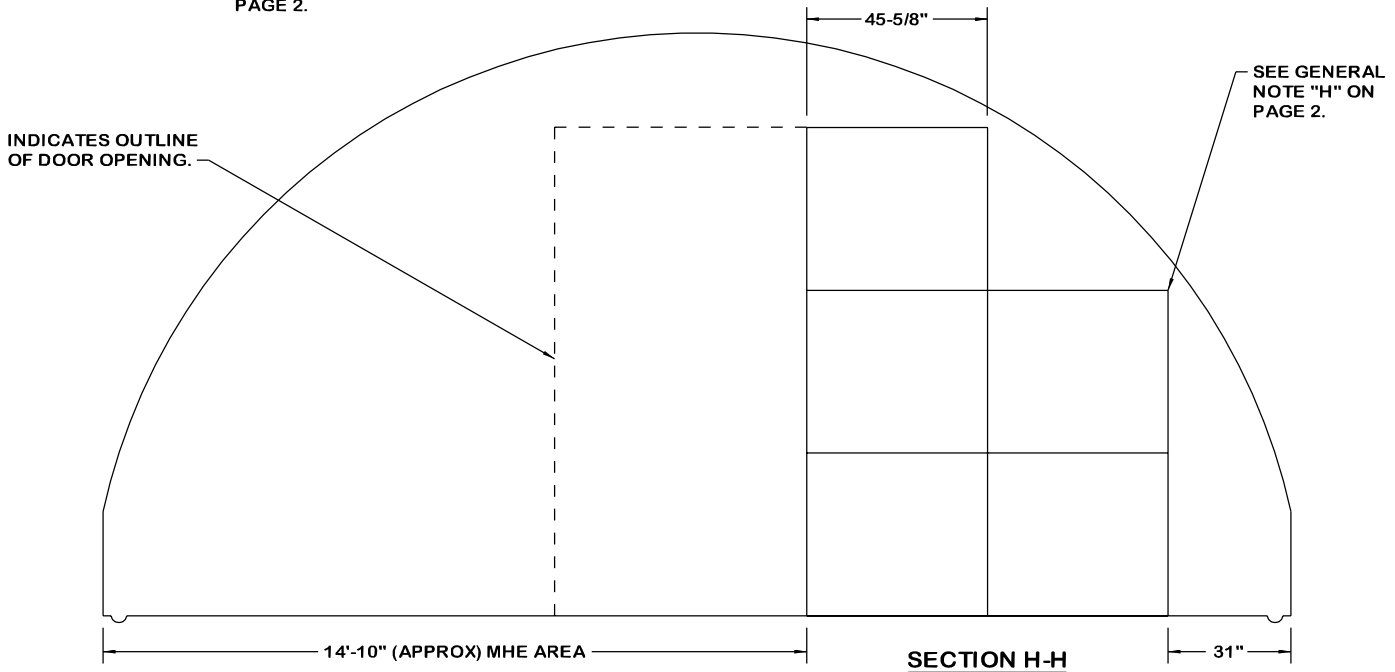
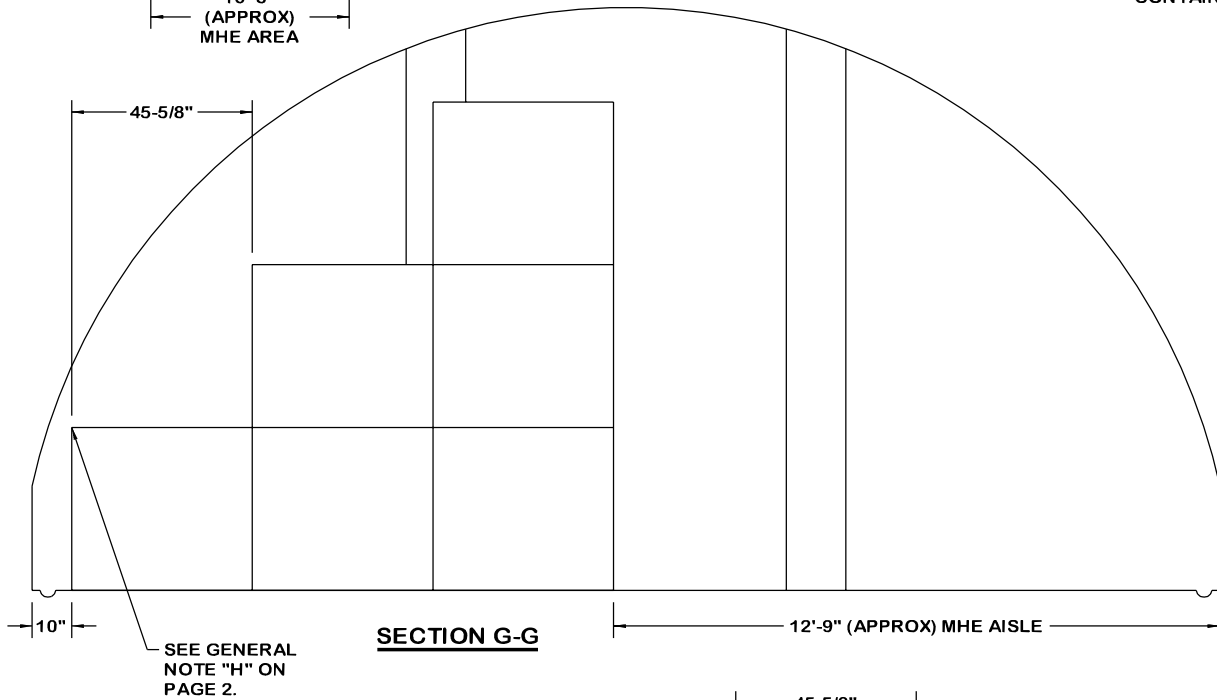
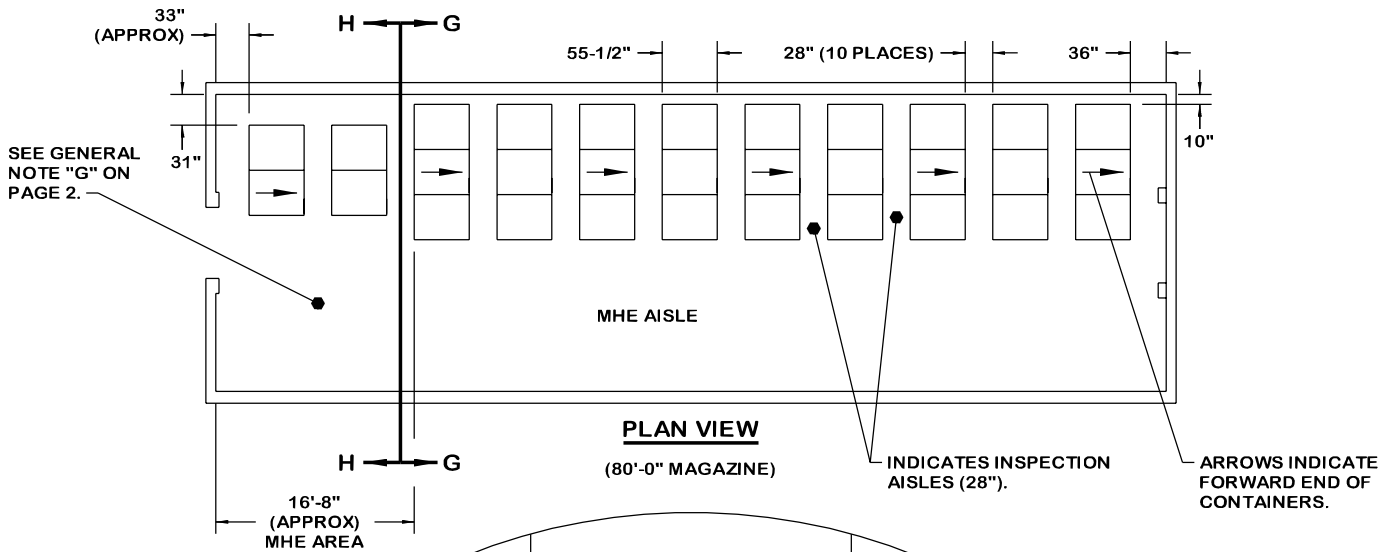
(11'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS	24
MISSILES	144



**ISOMETRIC VIEW**

(40'-0" MAGAZINE)



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

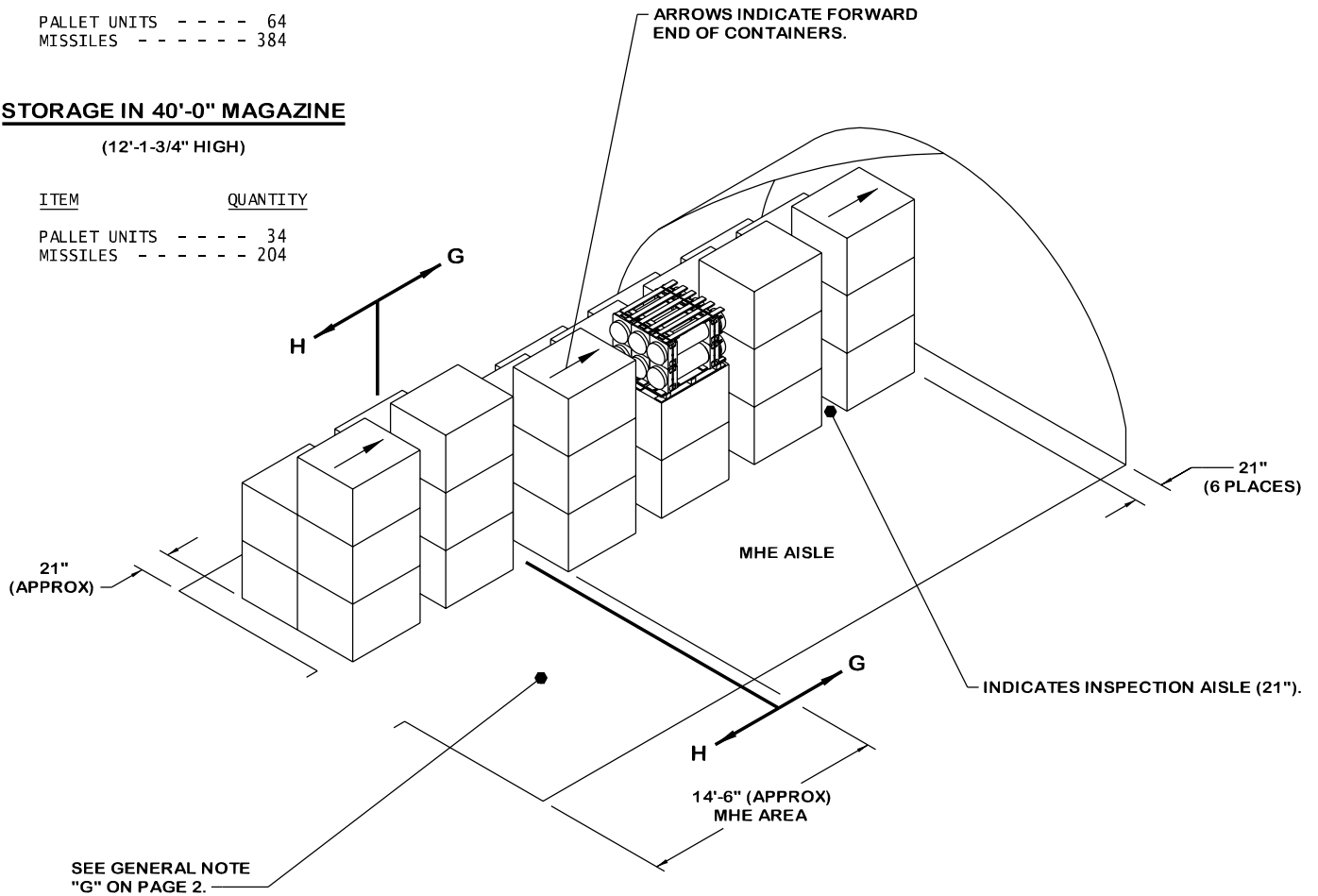
(12'-1-3/4" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - -	64
MISSILES - - - - -	384

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

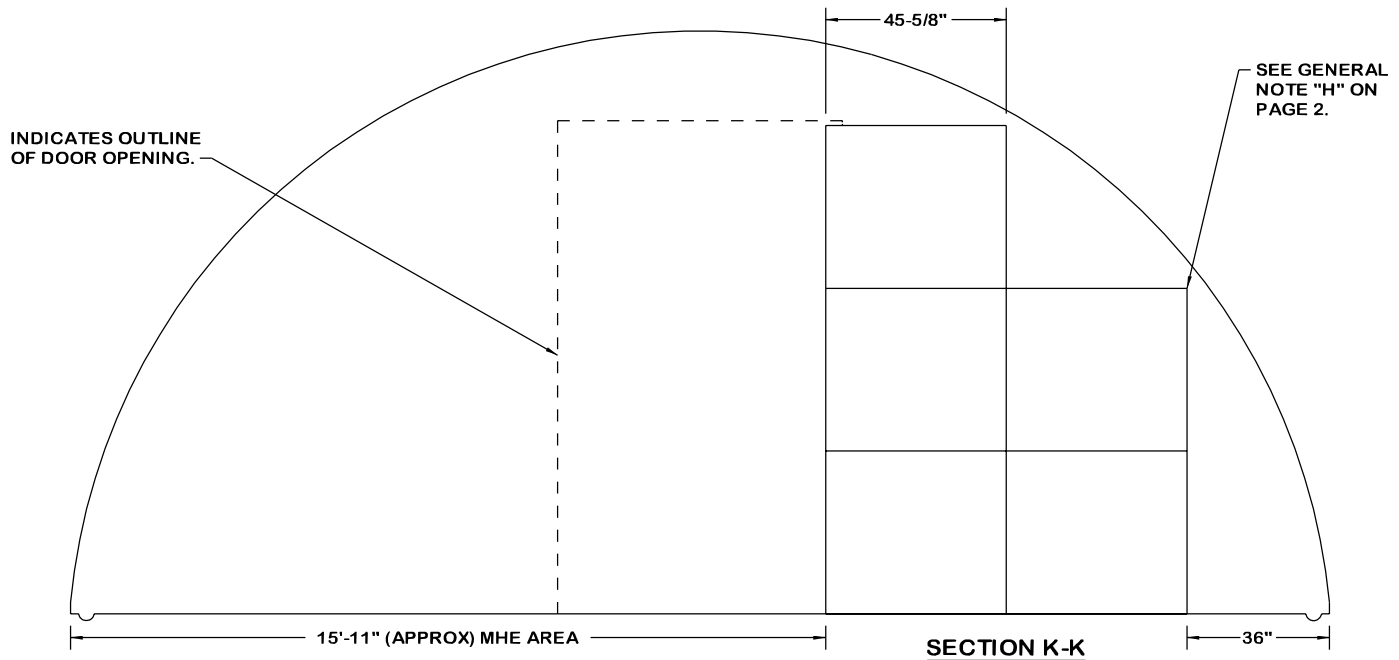
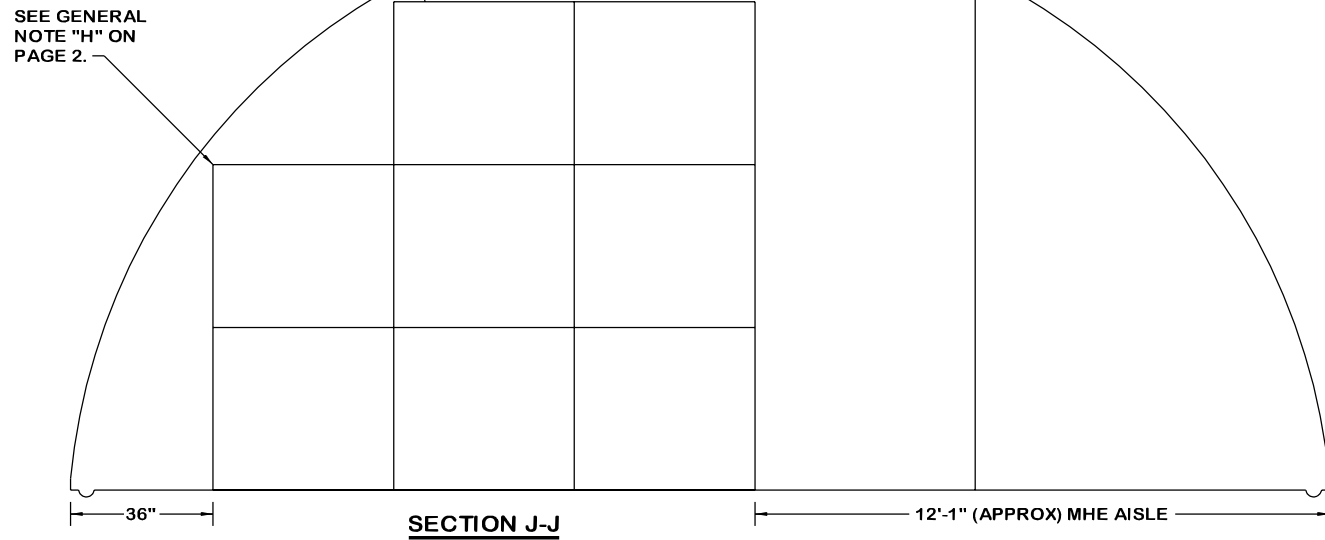
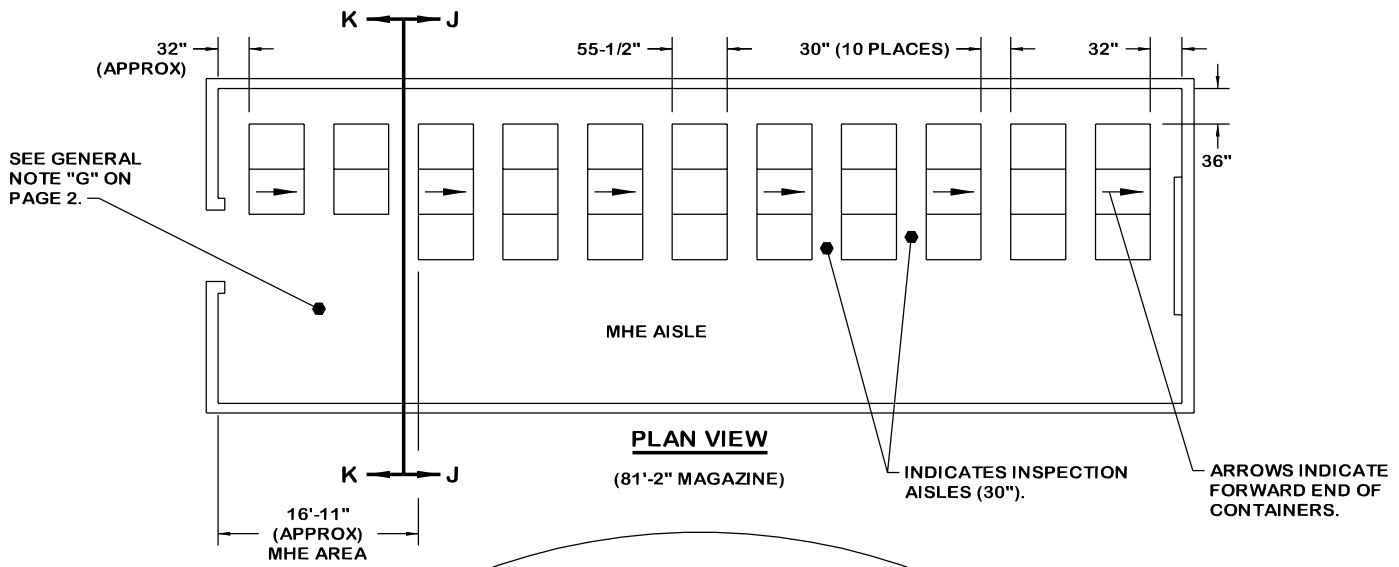
(12'-1-3/4" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - -	34
MISSILES - - - - -	204



**ISOMETRIC VIEW**

(40'-0" MAGAZINE)

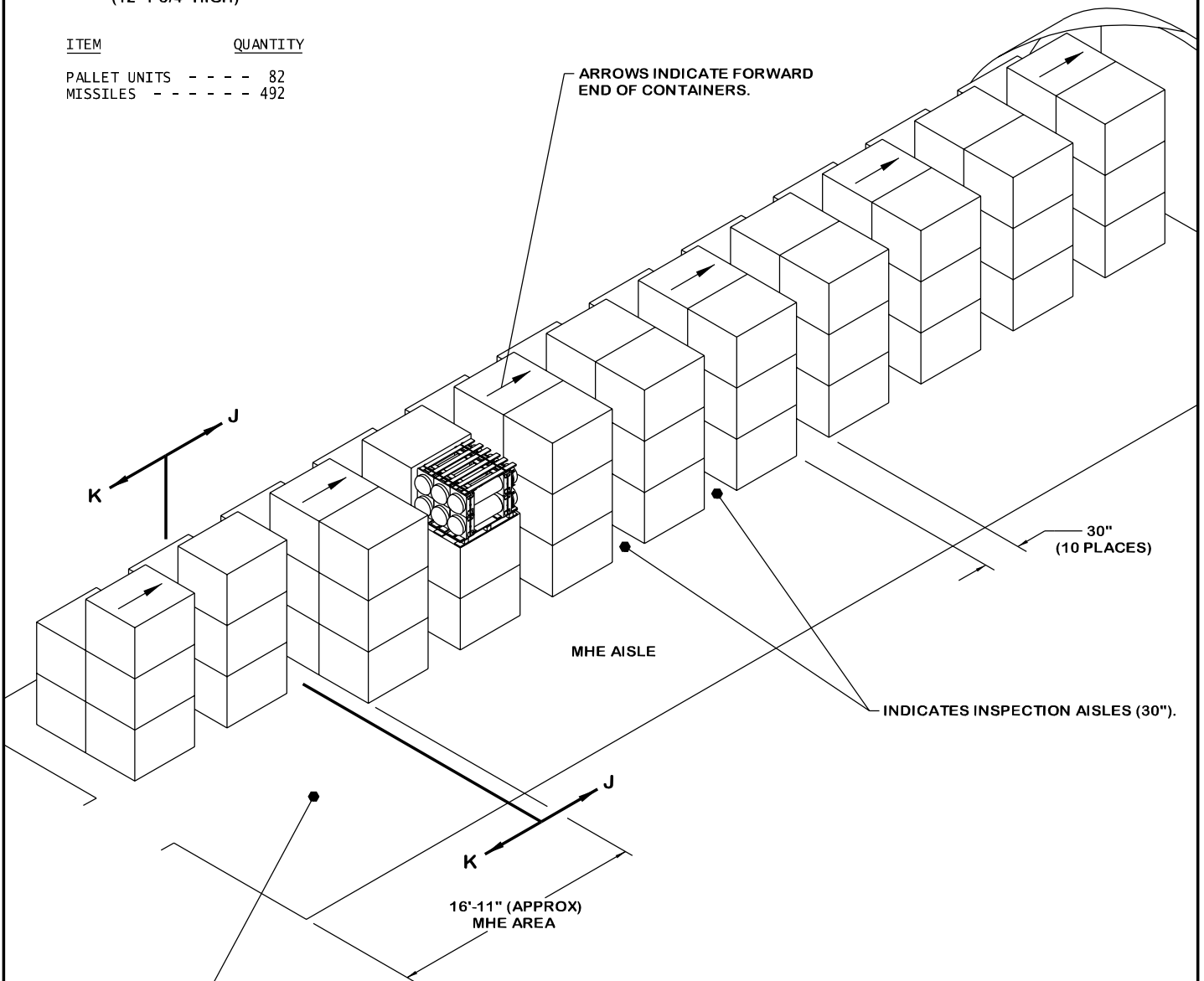


**STORAGE IN 81'-2" MAGAZINE**

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

ITEM	QUANTITY
PALLET UNITS - - - -	82
MISSILES - - - - -	492

ARROWS INDICATE FORWARD END OF CONTAINERS.



30"  
(10 PLACES)

MHE AISLE

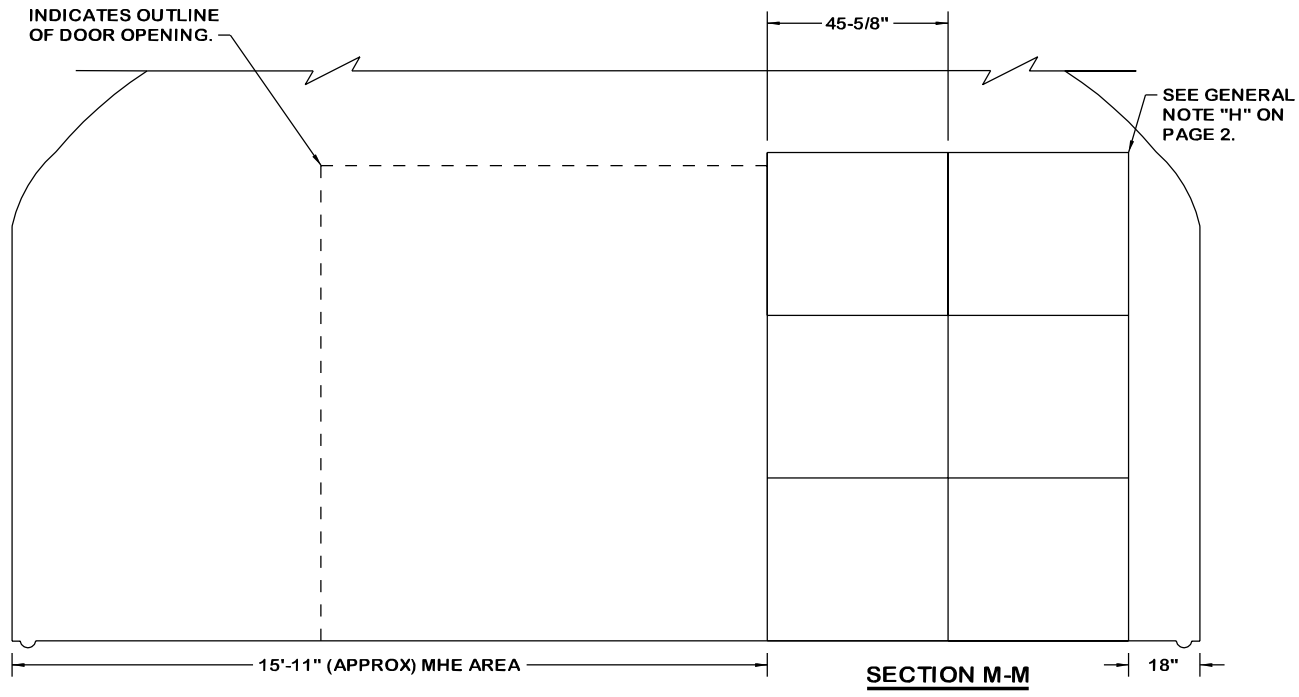
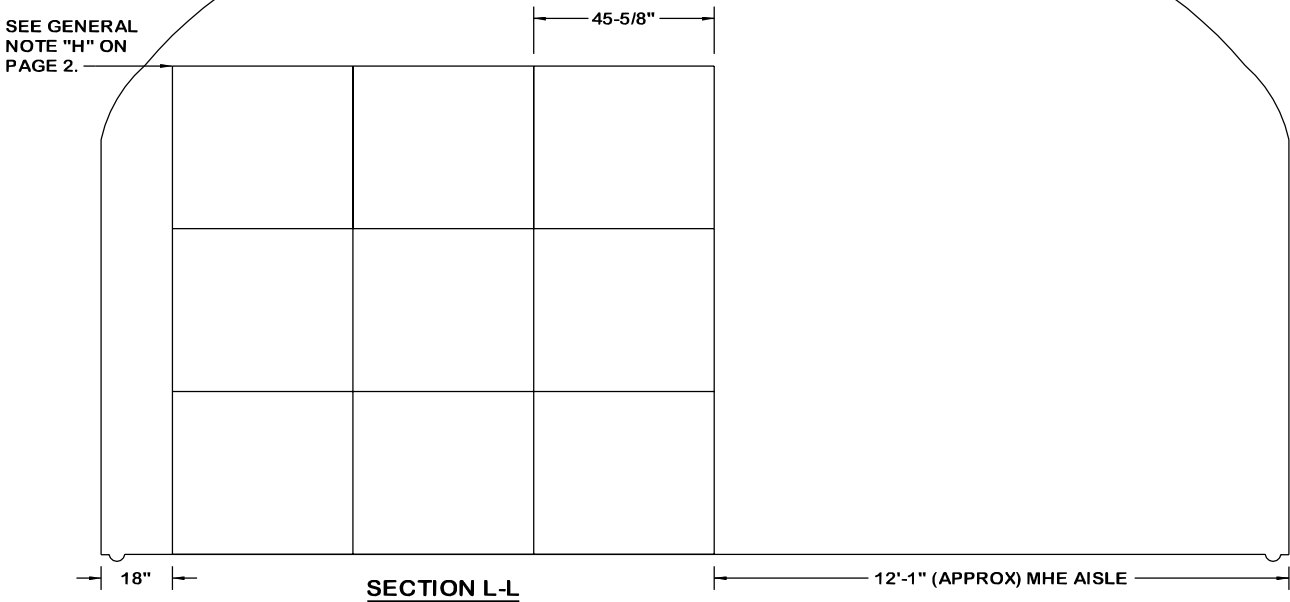
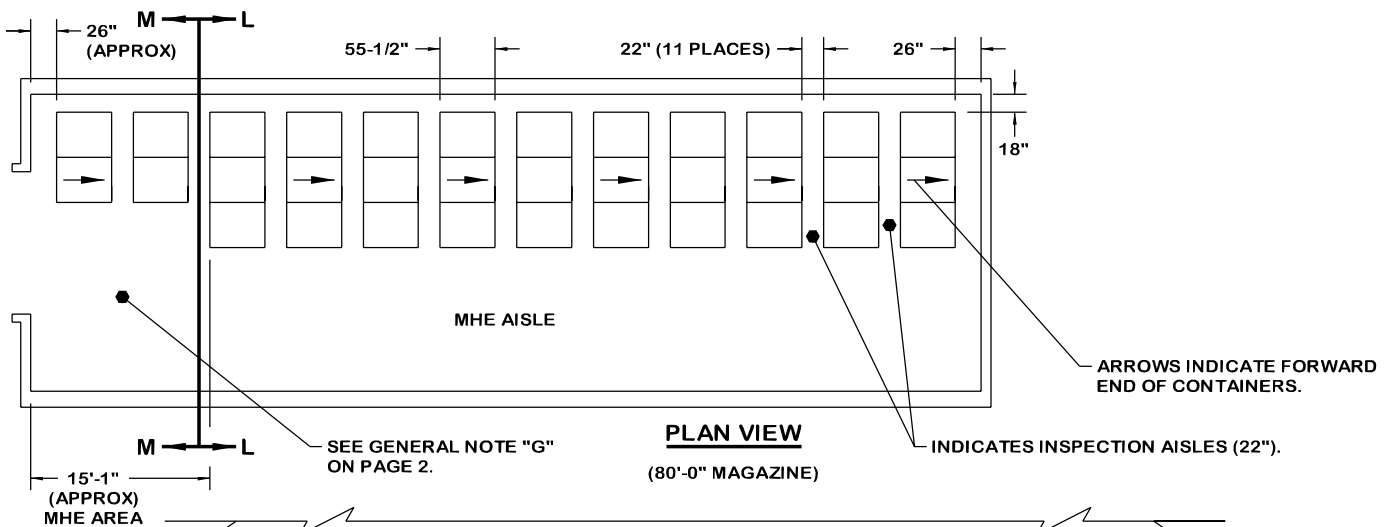
INDICATES INSPECTION AISLES (30").

16'-11" (APPROX)  
MHE AREA

SEE GENERAL NOTE  
"G" ON PAGE 2.

**ISOMETRIC VIEW**

(81'-2" MAGAZINE)

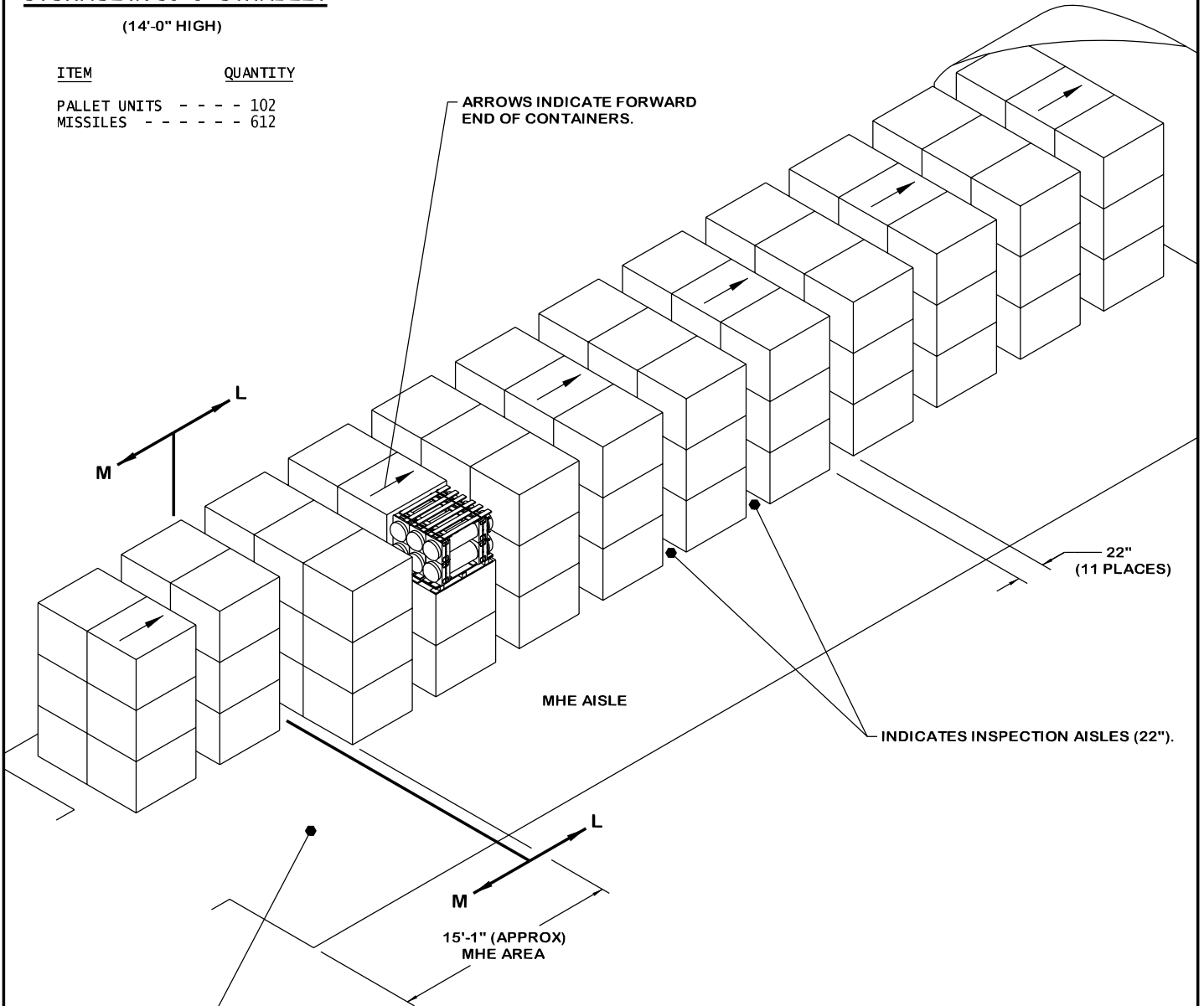


**STORAGE IN 80'-0" STRADLEY**

(14'-0" HIGH)

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNITS - - - -	102
MISSILES - - - - -	612

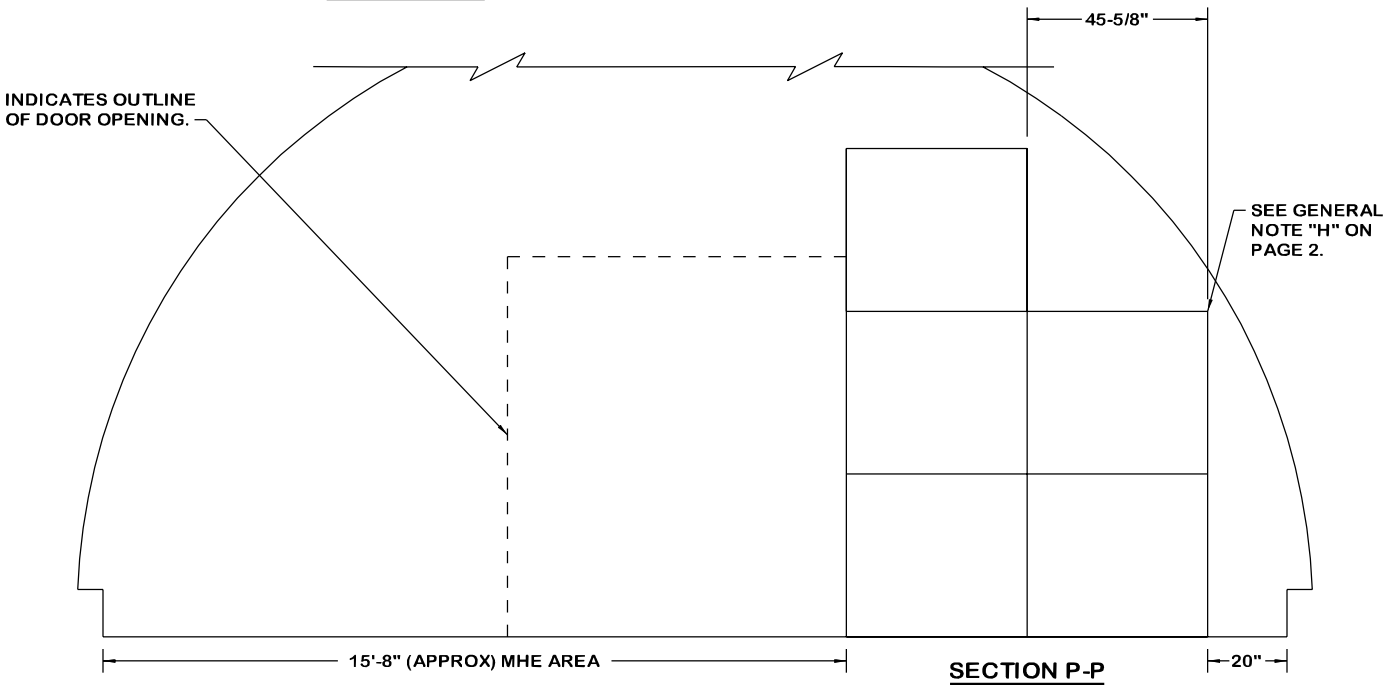
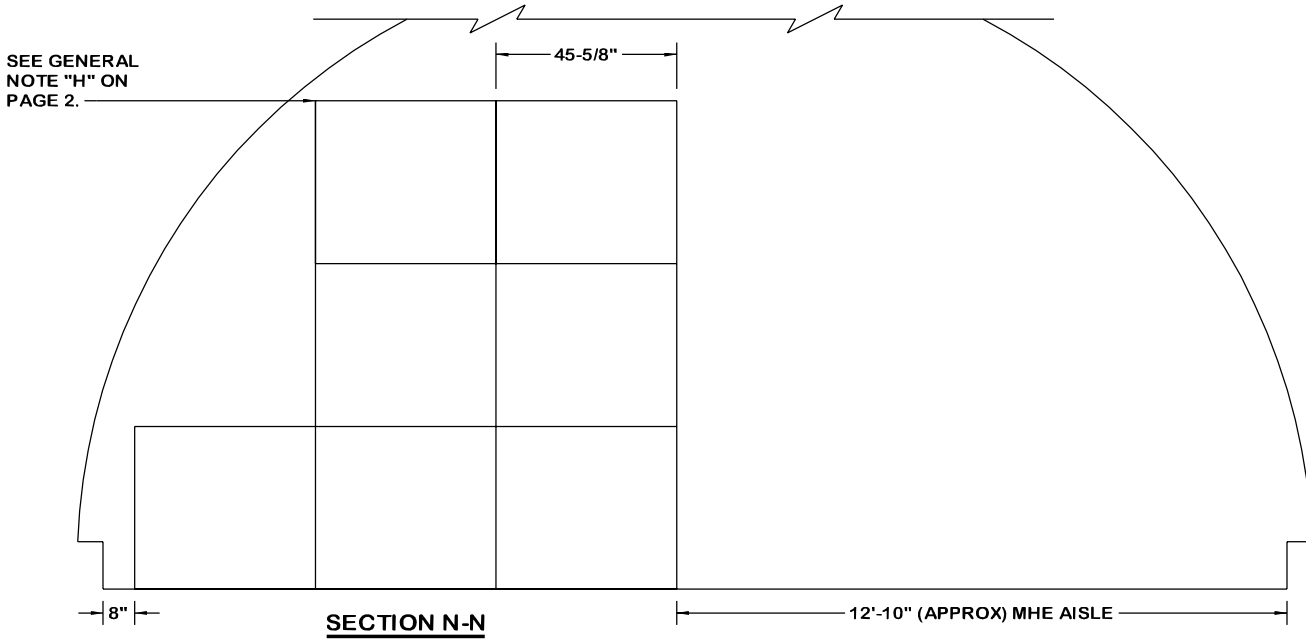
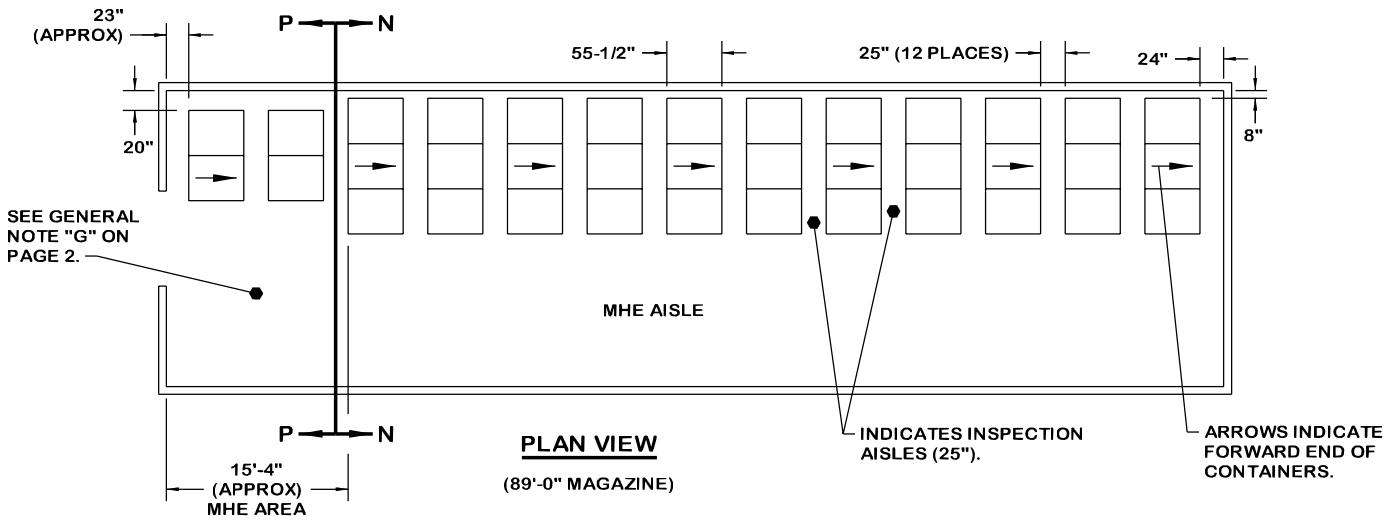
ARROWS INDICATE FORWARD END OF CONTAINERS.



SEE GENERAL NOTE "G" ON PAGE 2.

**ISOMETRIC VIEW**

(80'-0" MAGAZINE)



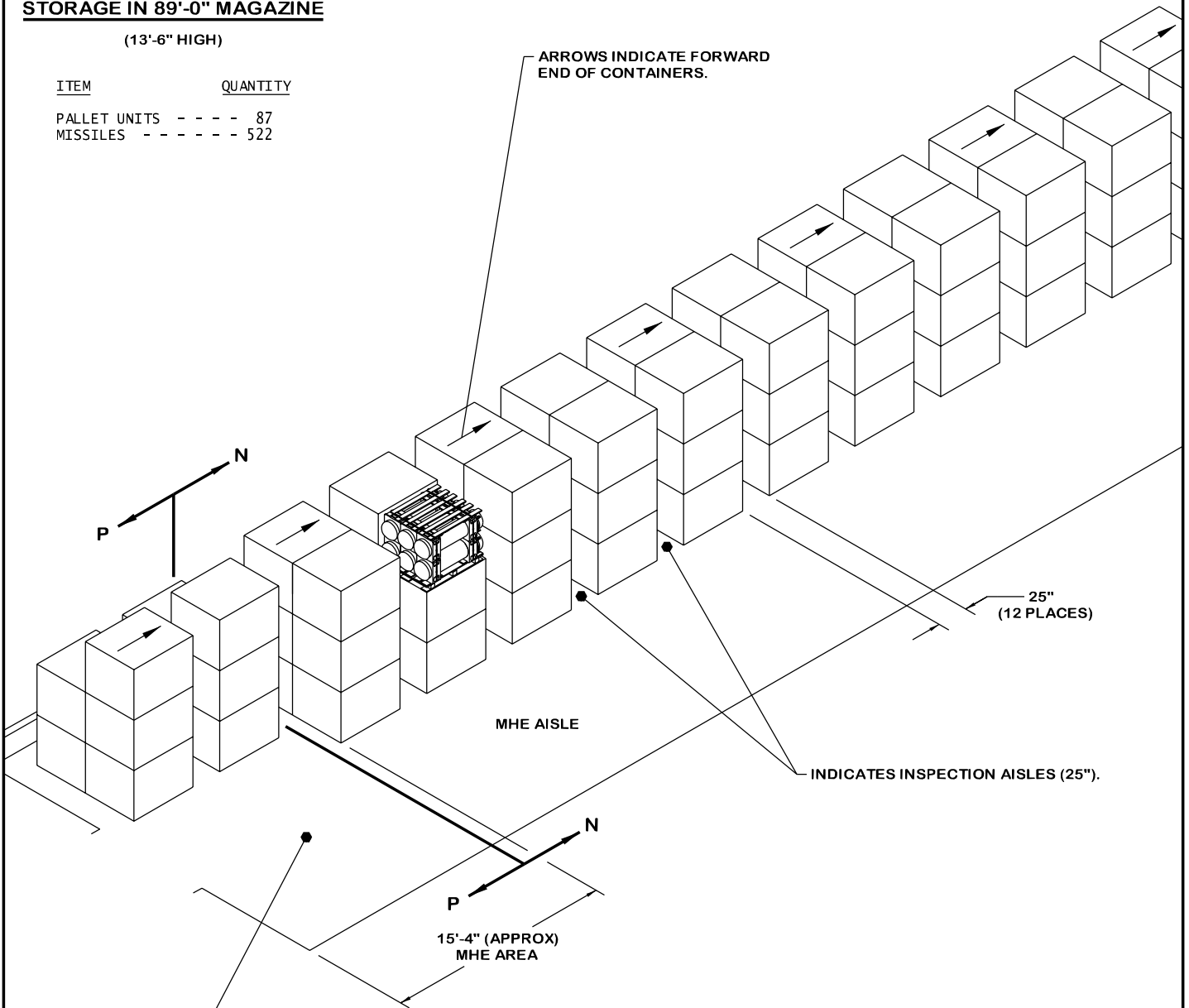


**STORAGE IN 89'-0" MAGAZINE**

(13'-6" HIGH)

ITEM	QUANTITY
PALLET UNITS	--- 87
MISSILES	--- 522

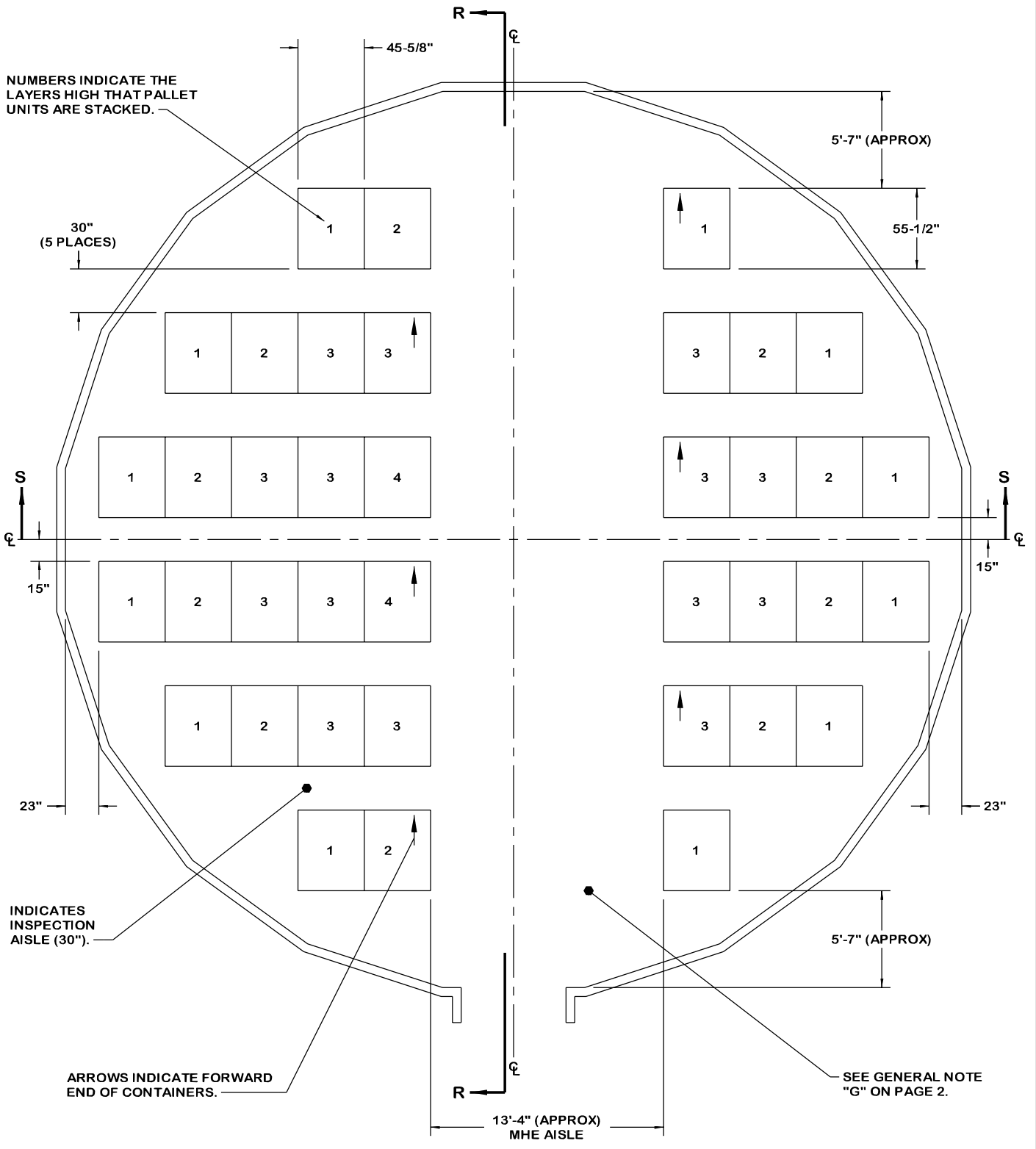
ARROWS INDICATE FORWARD END OF CONTAINERS.



SEE GENERAL NOTE "G" ON PAGE 2.

**ISOMETRIC VIEW**

(89'-0" MAGAZINE)



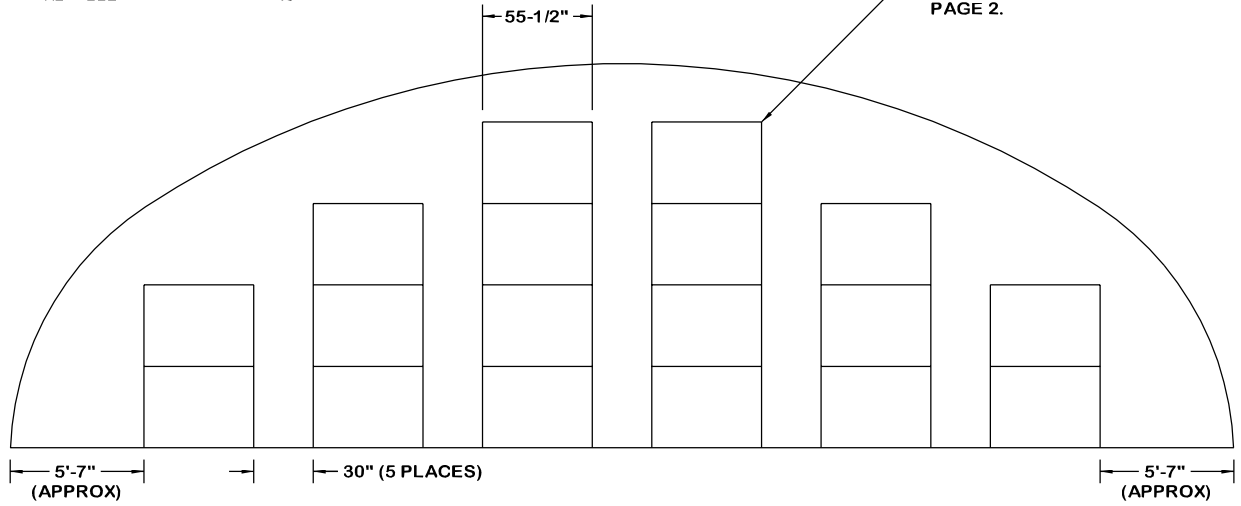
**PLAN VIEW**

(52'-0" DIAMETER MAGAZINE)

**STORAGE IN 52'-0" DIAMETER MAGAZINE**

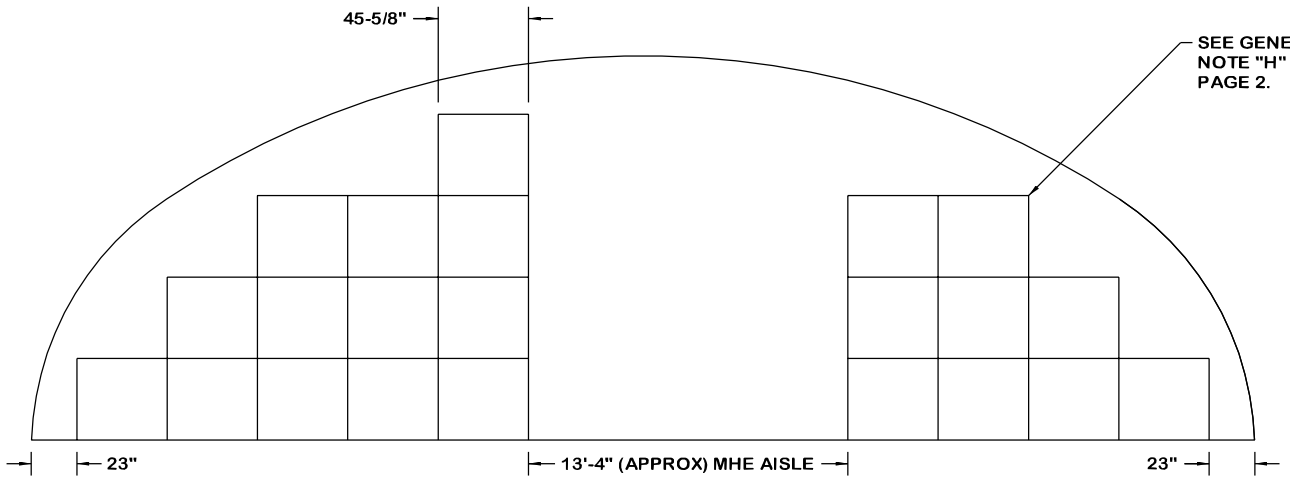
ITEM	QUANTITY
PALLET UNITS - - - -	82
MISSILES - - - - -	492

SEE GENERAL NOTE "H" ON PAGE 2.

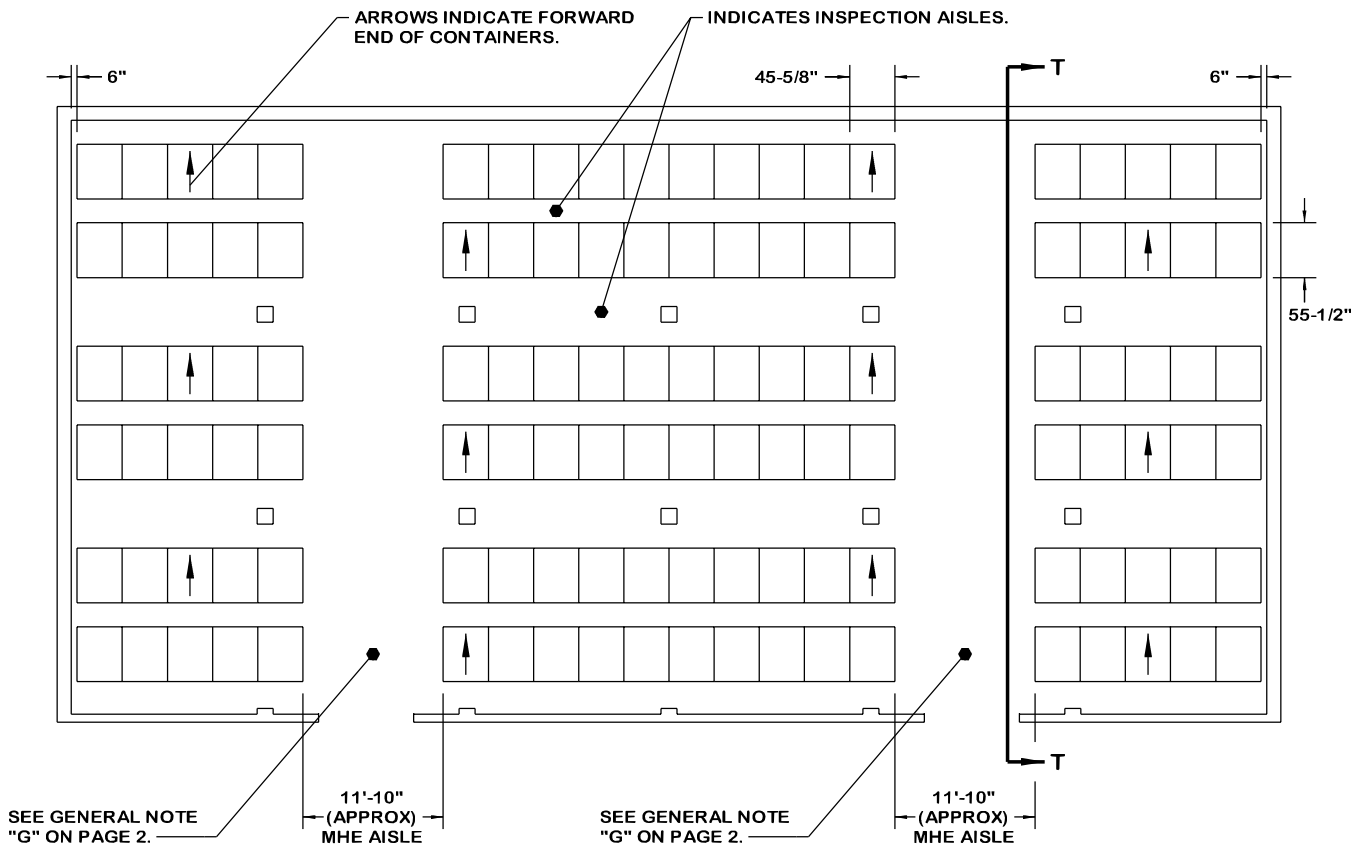


**SECTION R-R**

SEE GENERAL NOTE "H" ON PAGE 2.

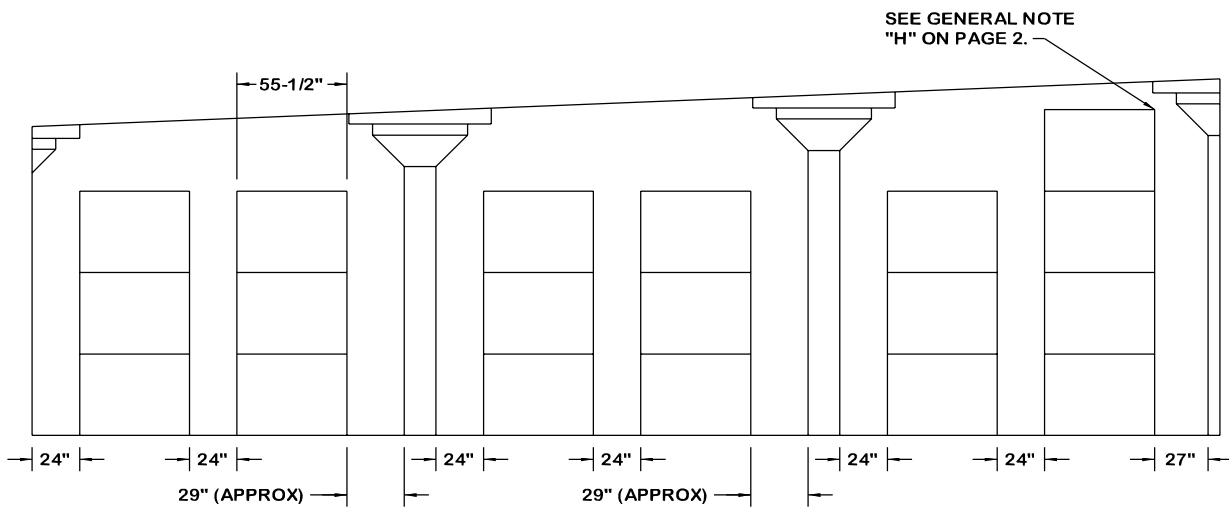


**SECTION S-S**



**PLAN VIEW**

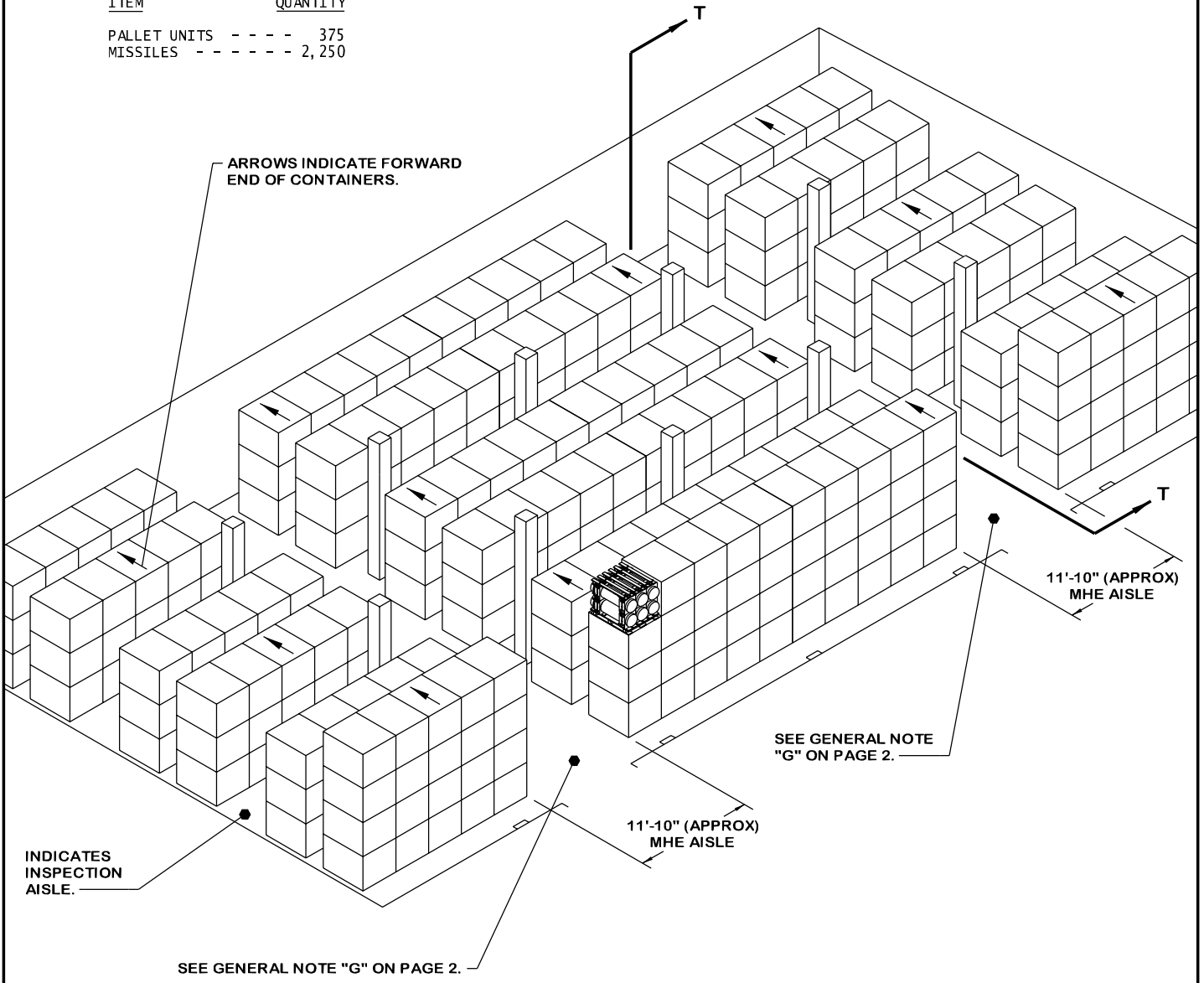
(100'-8" L X 50'-0" W RECTANGULAR MAGAZINE)



**SECTION T-T**

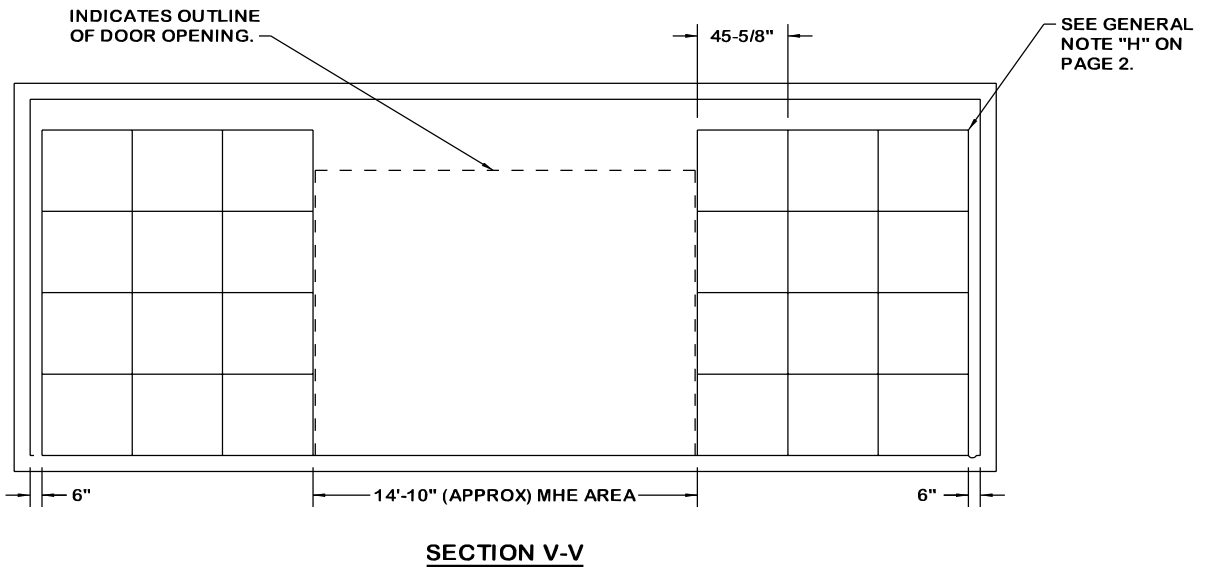
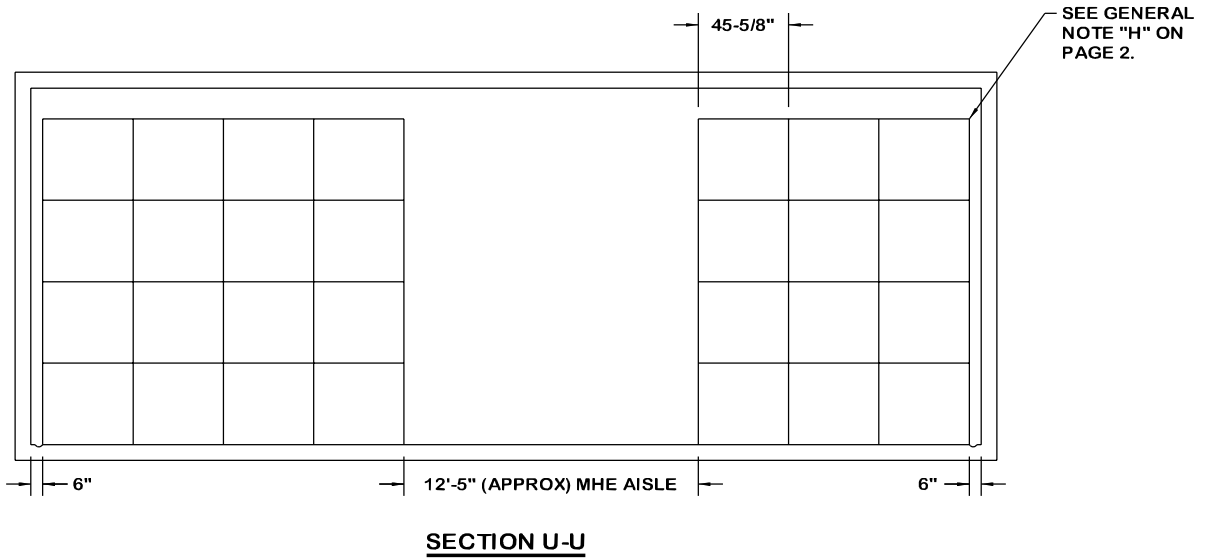
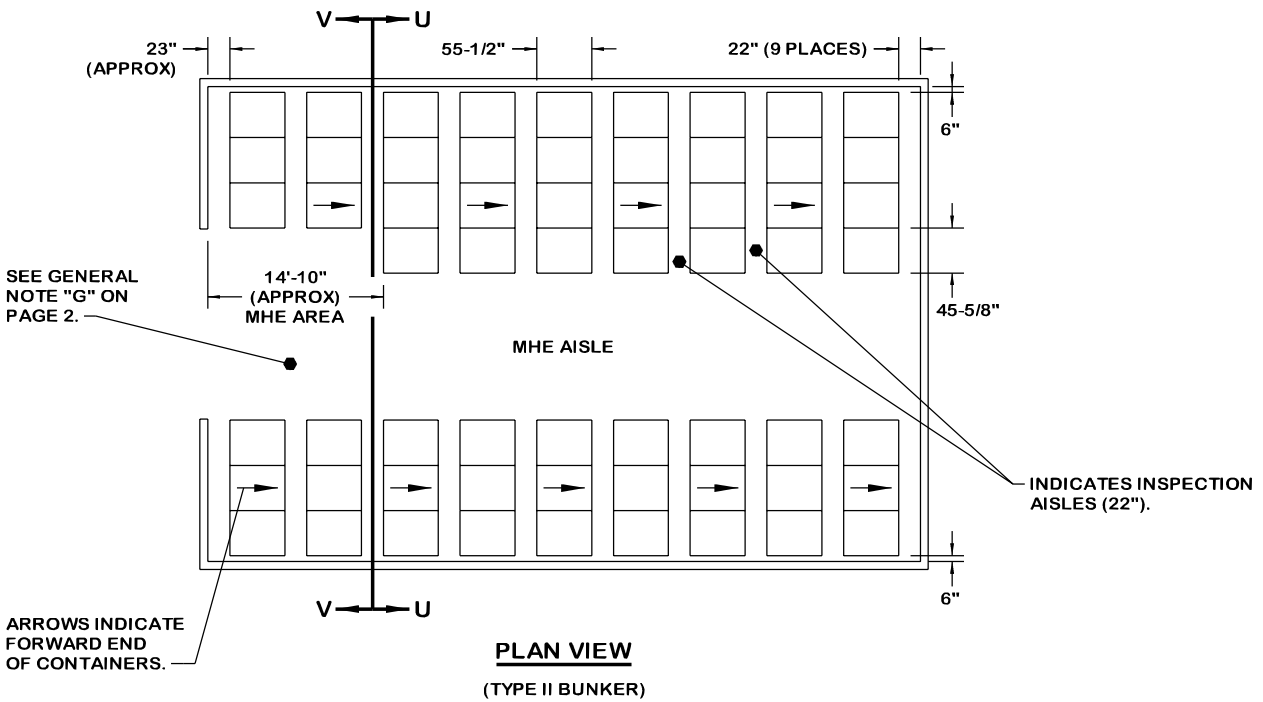
**STORAGE IN RECTANGULAR MAGAZINE**

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNITS - - - -	375
MISSILES - - - -	2,250



**ISOMETRIC VIEW**

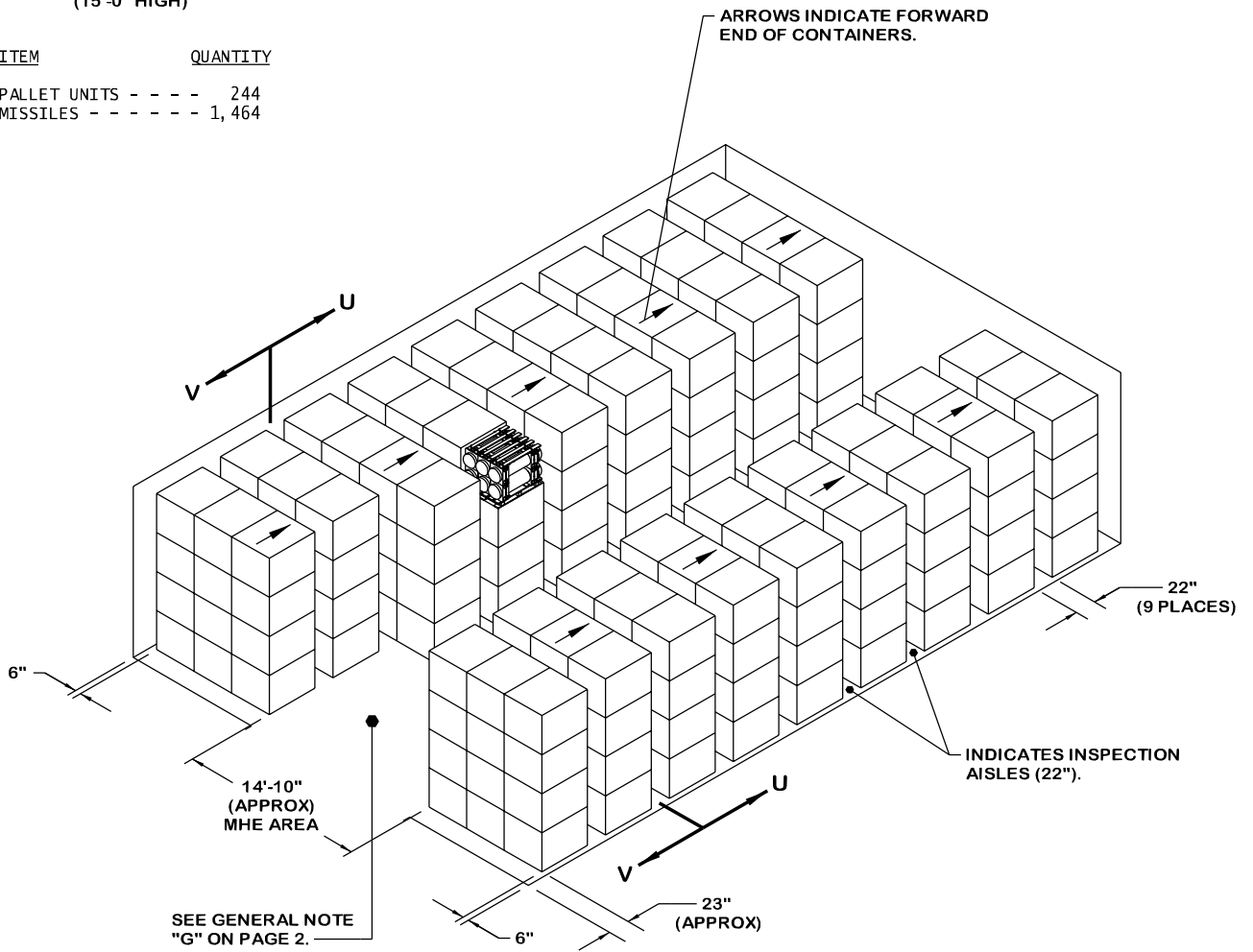
(100'-8" L X 50'-0" W RECTANGULAR MAGAZINE)



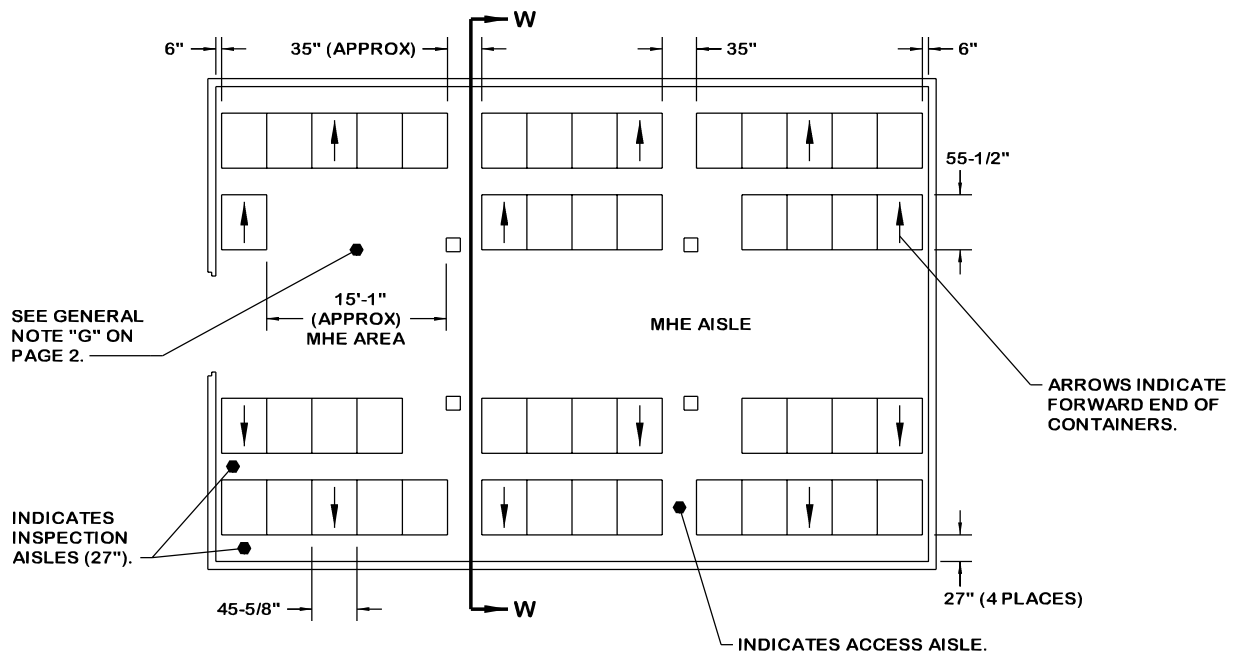
**STORAGE IN TYPE II BUNKER**

(15'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - -	244
MISSILES - - - - -	1,464

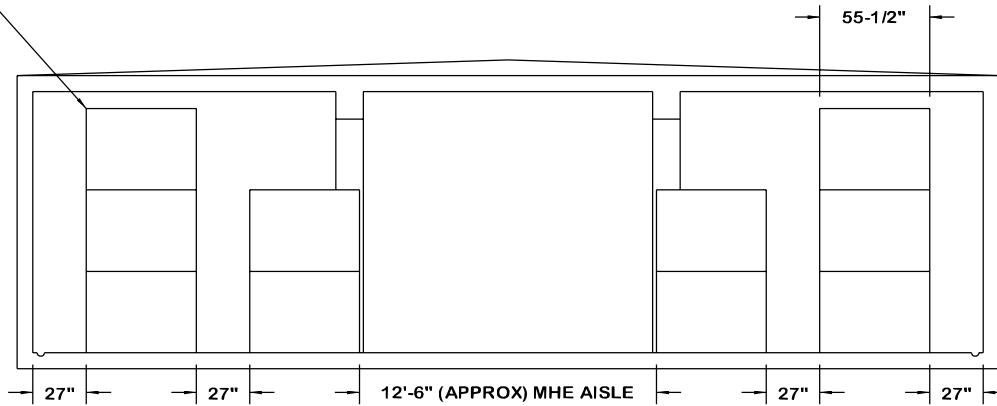


**ISOMETRIC VIEW**  
(TYPE II BUNKER)



**PLAN VIEW**  
(TYPE III BUNKER)

SEE GENERAL NOTE "H" ON PAGE 2.



**SECTION W-W**

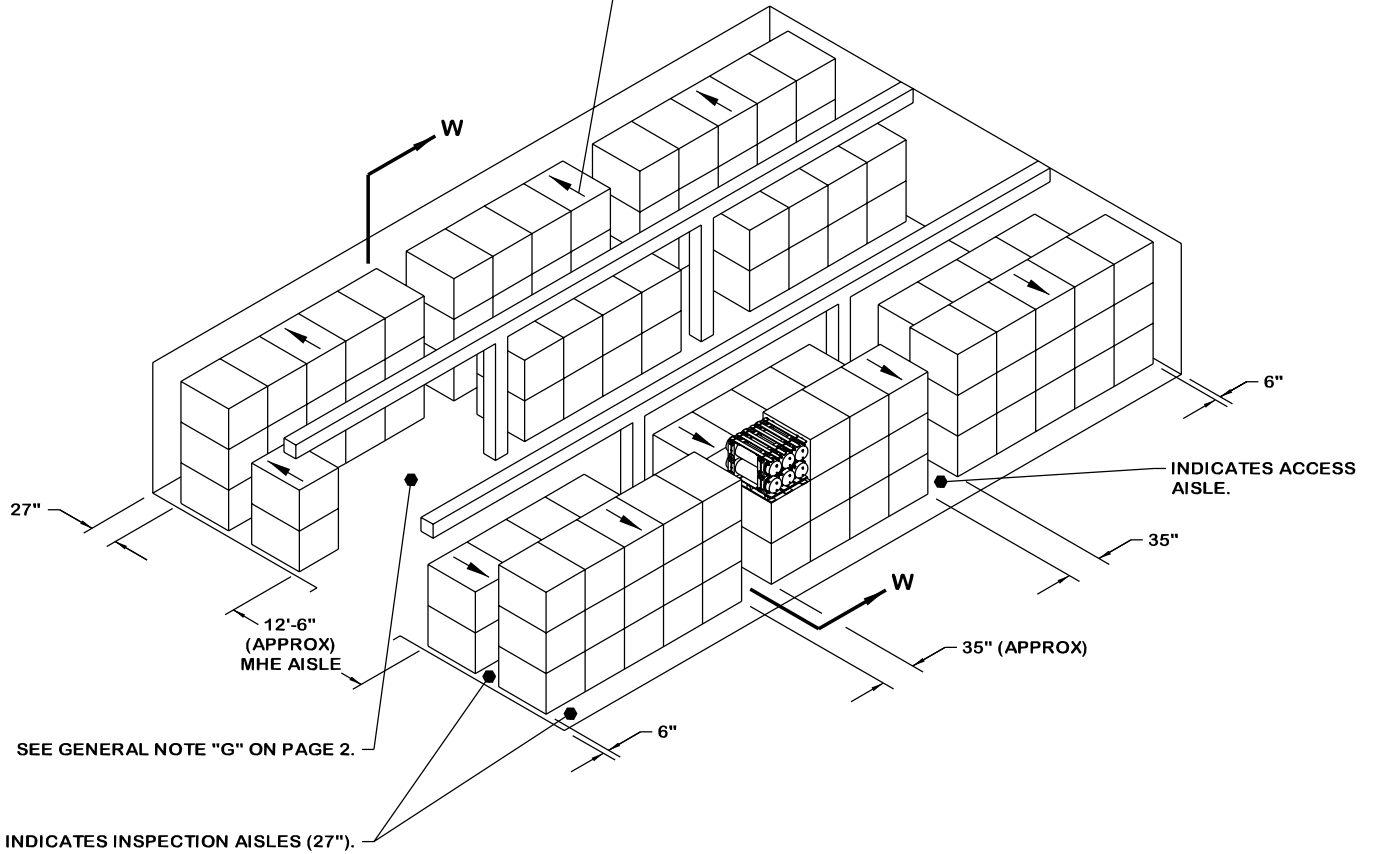


**STORAGE IN TYPE III BUNKER**

(11'-0" HIGH)

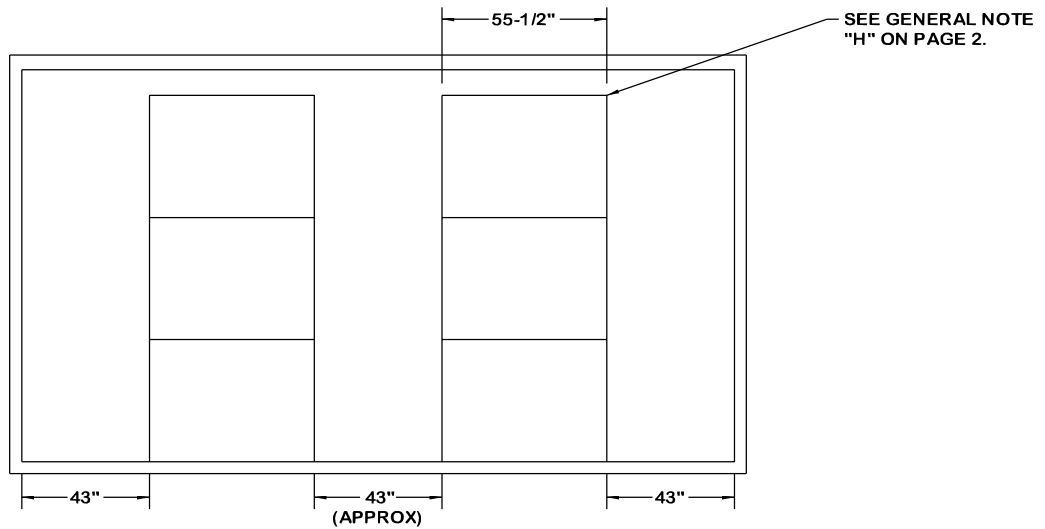
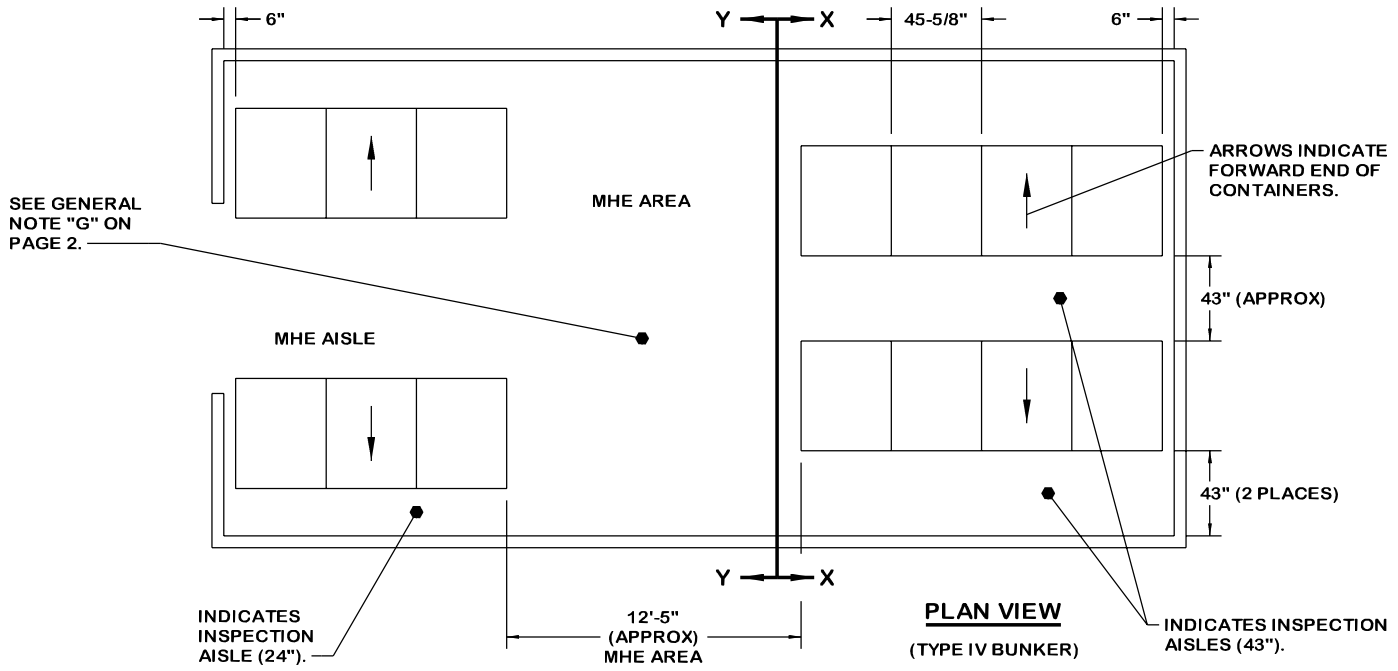
ITEM	QUANTITY
PALLET UNITS - - - -	126
MISSILES - - - - -	756

ARROWS INDICATE FORWARD END OF CONTAINERS.

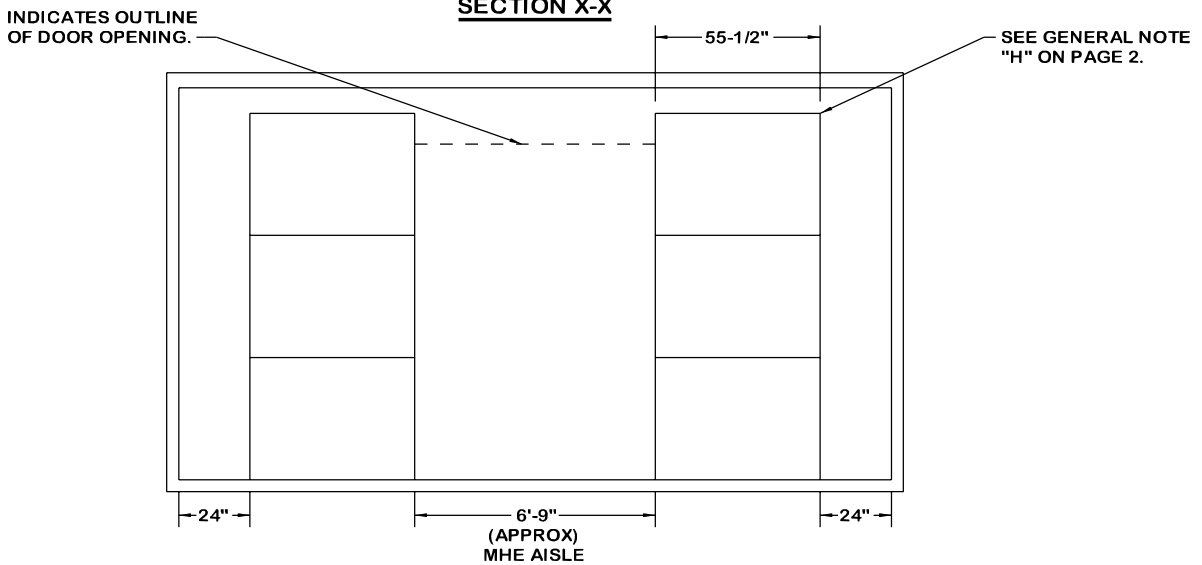


**ISOMETRIC VIEW**

(TYPE III BUNKER)



**SECTION X-X**

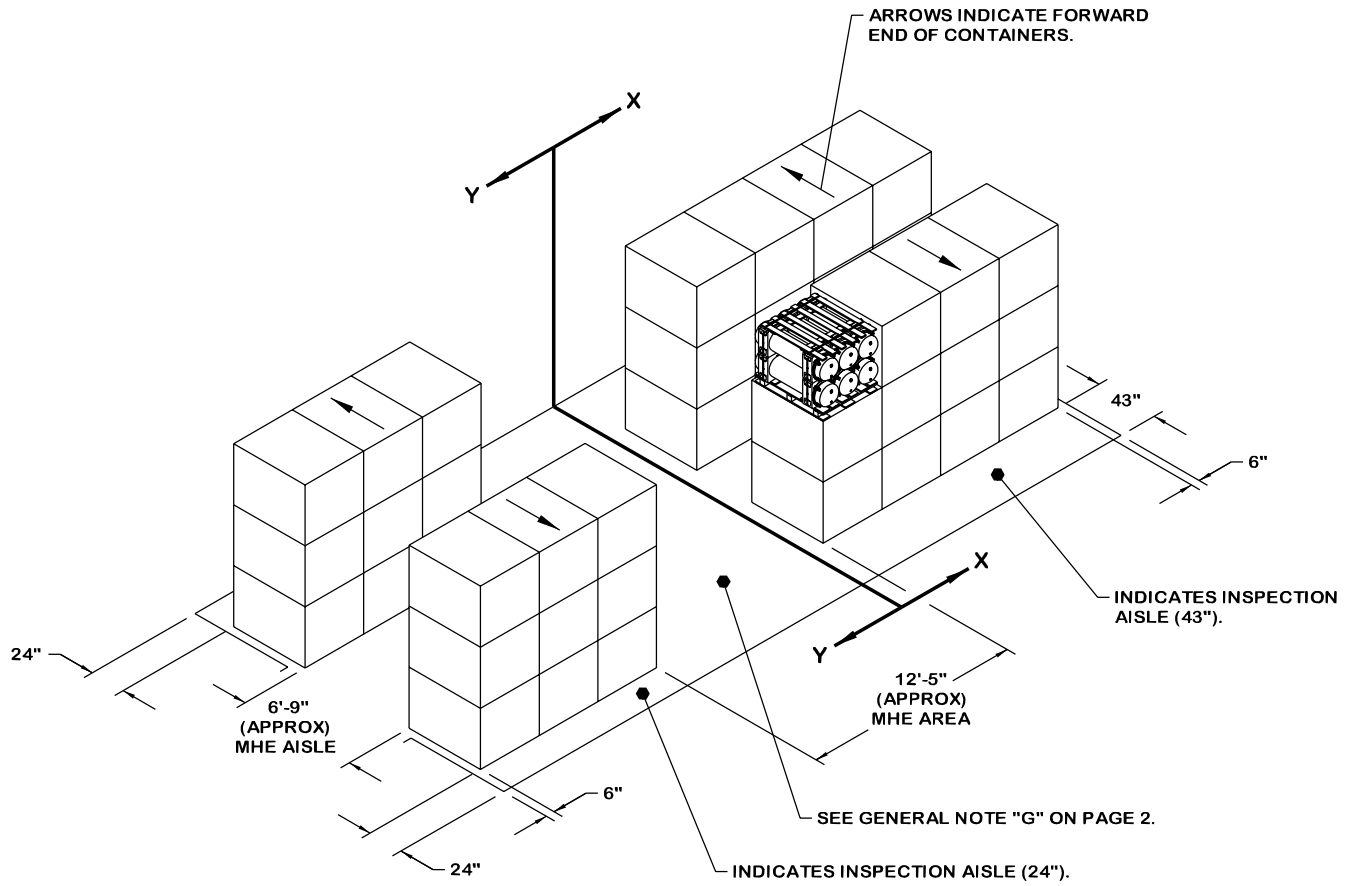


**SECTION Y-Y**

**STORAGE IN TYPE IV BUNKER**

(11'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - -	42
MISSILES - - - - -	252



**ISOMETRIC VIEW**

(TYPE IV BUNKER)

