PATRIOT

STORAGE IN APPROVED MAGAZINES OF PATRIOT ADVANCED CAPABILITY-3 (PAC-3) MISSILE SEGMENT ENHANCEMENT (MSE) COMPLETE ROUND, PACKED IN MISSILE CANISTER (SHIPPING, STORAGE AND LAUNCH CANISTER)

<u>I TEM</u>

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U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, U.S. ARMY AVIATION ANDMISSILE COMMAND	<u>CAUTION</u> : VERIFY PRIOR TO USE AT HTTPS://MHP.REDSTONE.ARMY.MIL THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 32.									
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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 DEPICTED WITHIN THIS DOCUMENT ARE APPLICA-BLE FOR STORAGE IN VARIOUS TYPES AND SIZES OF MAGAZINES. THE STOR-AGE PROCEDURES DEPICTED FOR THE SPECIFIC TYPES OF MAGAZINES MAY ALSO BE UTILIZED TO STORE PATRIOT ADVANCED CAPABILITY-3 (PAC-3) MSE COMPLETE ROUND IN OTHER TYPES OF APPROVED MAGAZINES. MINOR AD-JUSTMENTS MAY BE MADE TO FACILITATE STORAGE IN OTHER TYPES OF MAG-AZINES; HOWEVER, THE BASIC PRINCIPLES AS DEPICTED HEREIN WILL BE FOL-LOWED.
- C. THE STORAGE PROCEDURES SPECIFIED IN THIS DRAWING ARE APPLICABLE TO PATRIOT ADVANCED CAPABILITY-3 (PAC-3) MSE COMPLETE ROUND, WHEN PACKED IN THE MISSILE CANISTER (SHIPPING, STORAGE AND LAUNCH CANIS-TER). STORAGE IS PERMITTED IN EITHER A ONE-PACK OR TWO-PACK CONFIGU-RATION. TOTAL QUANTITIES LISTED FOR THE VARIOUS MAGAZINES REFER TO A SINGLE MISSILE CANISTER, EVEN WHEN IN A TWO-PACK CONFIGURATION. STACK AND LAYER QUANTITIES WILL REFLECT EITHER ONE-PACK OR TWO-PACK CANISTERS. SEE PAGE 3 AND LOCKHEED-MARTIN DRAWINGS 14101275, 14101300, AND 14101310 FOR DETAILS OF THE CANISTER. SEE TM 9-1440-2600-10 FOR CANISTER COUPLING DETAILS.
- D. <u>CAUTION</u>: THIS ITEM IS IN A "PROPULSIVE STATE" AND MUST BE STORED WITH THE FORWARD END FACING TOWARD THE MAGAZINE SIDEWALL OR THE REAR WALL AS INDICATED BY THE DIRECTIONAL ARROWS ON THE STORAGE VIEWS.
- E. **CAUTION:** THE ALLOWABLE "EXPLOSIVE LIMIT" ESTABLISHED FOR A MAGAZINE IS NOT TO BE EXCEEDED. THIS LIMITATION MAY REQUIRE A QUANTITY REDUC-TION FROM THE STORAGE AS SHOWN.
- F. STORED CANISTERS MUST NOT CONTACT THE SIDES OF A MAGAZINE. THERE-FORE, CANISTERS MUST BE STORED A MINIMUM OF 6" FROM THE SIDEWALL OR CURVATURE OF THE MAGAZINE AS APPLICABLE. TO PROVIDE FOR THIS MAN-DATORY CLEARANCE REQUIREMENT, CANISTERS MAY BE ELIMINATED FROM THE DEPICTED STORAGE PATTERN AS NECESSARY.
- G. MHE AISLE DIMENSION SHOWN FOR STORAGE PROCEDURES IN MAGAZINES MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS, VARIATIONS IN CANISTER DI-MENSIONS, AND/OR AVAILABLE MATERIAL HANDLING EQUIPMENT (MHE).
- H. THE MAXIMUM FLOOR LOAD FOR A MAGAZINE AS PRESCRIBED WILL NOT BE EXCEEDED.
- J. IF AVAILABLE MHE PERMITS, ADDITIONAL CANISTERS MAY BE STORED WITHIN THE MHE AREA OF THE MAGAZINE.
- K. THE HEIGHT OF THE PACKAGE GUARD ON SOME FORKLIFT TRUCKS MAY NOT PERMIT PLACEMENT OF SOME TOP LAYER CANISTERS IN THE STACKS SHOWN IN THE STORAGE VIEWS HEREIN; UNLESS TWO UPPER CANISTERS ARE HAN-DLED 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 LIFT-ING TWO CANISTERS AS ONE LIFT. <u>MOTE</u>: CANISTERS MAY NOT BE STACKED MORE THAN SIX HIGH IN A TWO-PACK CONFIGURATION OR FOUR HIGH IN A ONE-PACK CONFIGURATION.
- L. THE USE OF SUPPORT PIECES IS REQUIRED FOR ALL ONE-PACK AND TWO-PACK CANISTER CONFIGURATIONS STACKED THREE OR MORE LAYERS HIGH. SEE THE "TYPICAL SUPPORT PIECE AND FLOOR DUNNAGE DETAIL" ON PAGE 32 FOR A TYPICAL INSTALLATION.

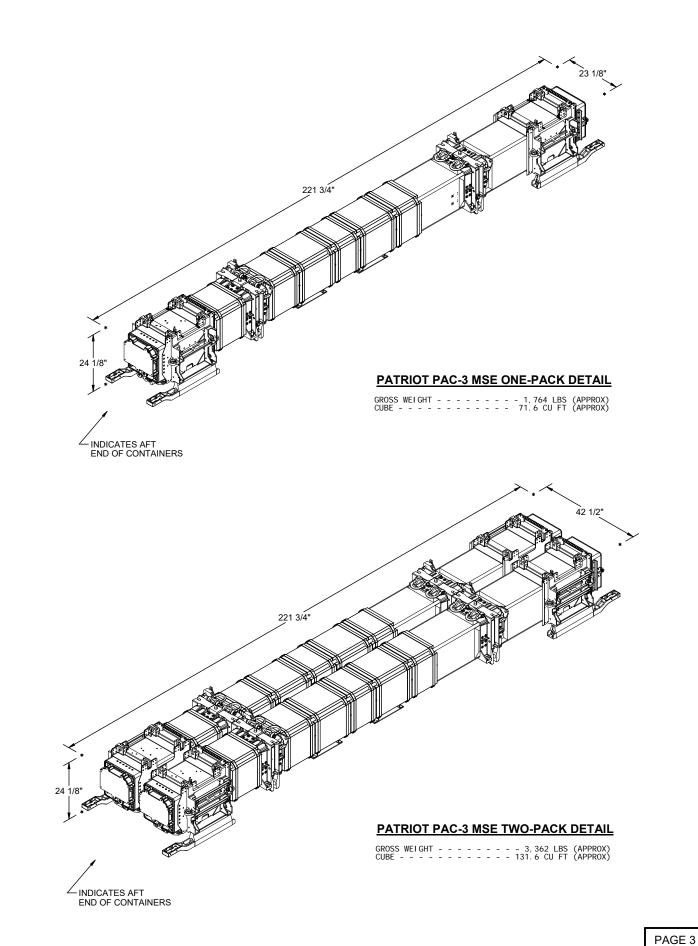
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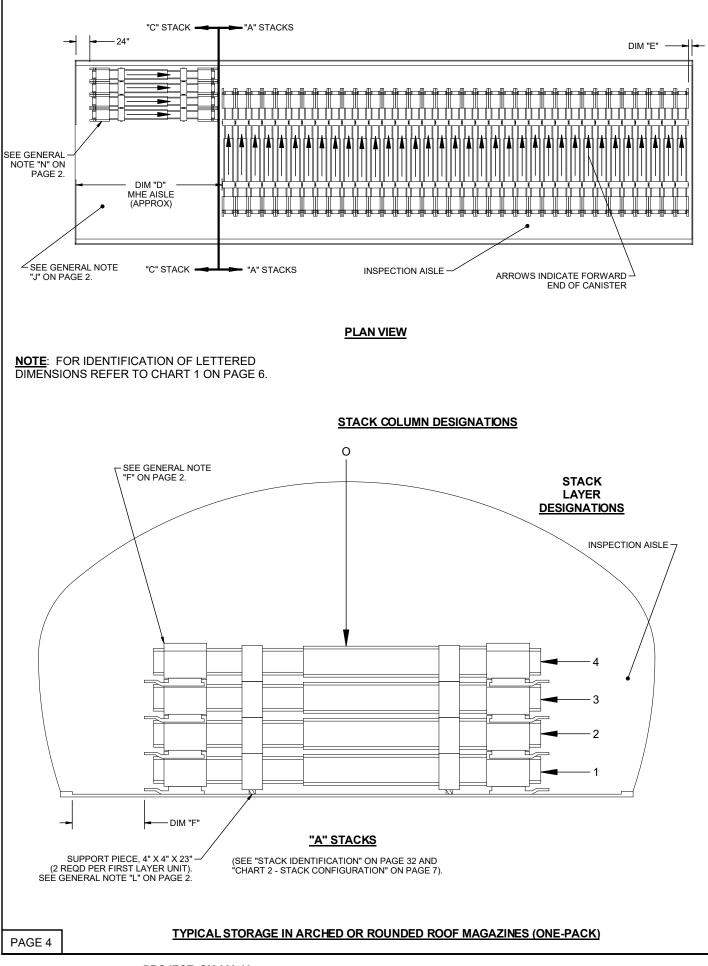
(GENERAL NOTES CONTINUED)

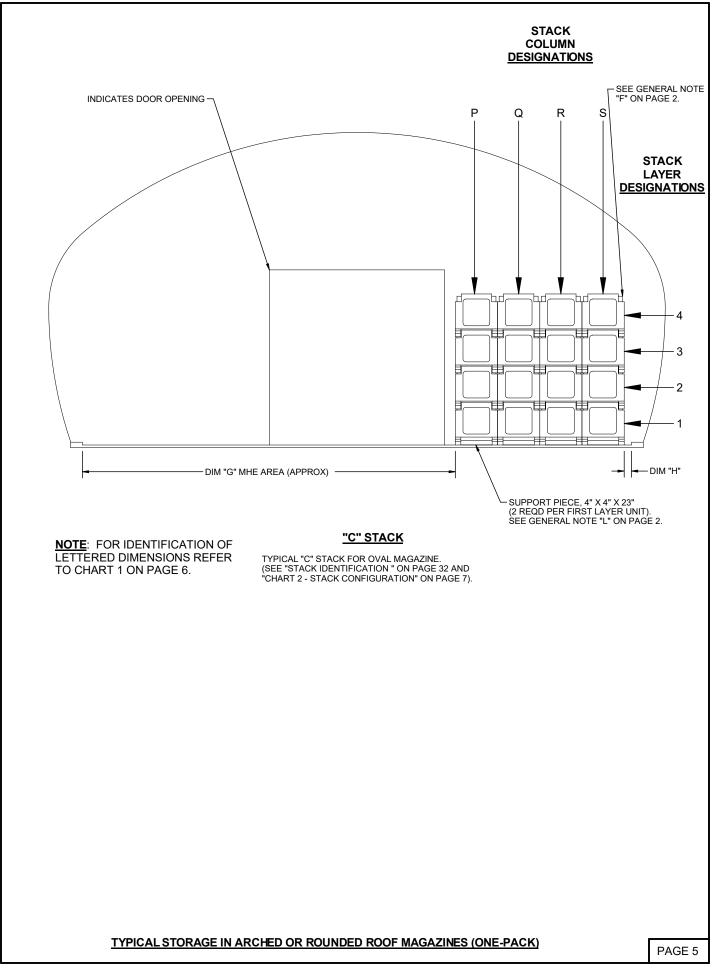
- M. THE STORAGE PROCEDURES ON PAGES 16 THROUGH 31 ARE BASED ON MAXI-MUM SPACE UTILIZATION OF THE MAGAZINES. HOWEVER, END-HANDLING OF CANISTER STACKS WILL BE REQUIRED FOR FINAL POSITIONING IN EITHER ALL OF THE ROWS OR SOME OF THE ROWS AT ONE SIDE OF THE MAGAZINE. THE HEIGHT OF CANISTER STACKS TO BE END-HANDLED WILL BE DEPENDENT UPON THE MHE AND THE HANDLING CAPACITIES OF THE INSTALLATION INVOLVED AND MAY THEREFORE, REDUCE THE QUANTITY OF CANISTERS THAT CAN BE STORED IN A MAGAZINE.
- N. TO PREVENT DAMAGE TO THE CANISTER, FORK TINES MAY NOT BE PLACED UNDER THE AFT END OF THE CANISTER.
- O. WHEN LOCAL STORAGE CONDITIONS ARE SUCH THAT AN AMMUNITION STORAGE MAGAZINE NET EXPLOSIVE WEIGHT LIMIT WILL BE REACHED BEFORE ALL AVAIL-ABLE STORAGE SPACE WILL BE UTILIZED, A COMBINATION OF THE VARIOUS STORAGE PATTERNS DELINEATED HEREIN MAY BE USED IN LIEU OF BLOCK STORAGE PATTERNS TO FACILITATE INVENTORY, INSPECTION, THE USE OF MA-TERIAL HANDLING EQUIPMENT, SURVEILLANCE, ETC., OF THE AMMUNITION TO BE STORAGE DWITHIN THE MAGAZINE.
- P. CANISTERS PRESENTLY STORED IN ACCORDANCE WITH A PRIOR APPROVED DRAWING NEED NOT BE RE-STORED SOLELY TO CONFORM TO THE PROCE-DURES SPECIFIED IN THIS DOCUMENT.
- Q. OTHER COMPATIBLE ITEMS MAY BE STORED IN A MAGAZINE, WHICH IS PAR-TIALLY FILLED WITH THE DESIGNATED ITEM.
- R. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, ENDWALLS, AND ROOFS HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- S. THE USE OF NOMINAL SIZE 1" X 4" X 41" OR 2" X 4" X 41" FLOOR DUNNAGE UNDER EACH END OF EACH FIRST-LAYER CANISTER IS OPTIONAL. THE PURPOSE OF FLOOR DUNNAGE IS TO HELP KEEP THE RUNNERS OF A CANISTER DRY, THUS AIDING IN PREVENTING DETERIORATION DUE TO CORROSION. THEREFORE, FLOOR DUNNAGE SHOULD BE USED WHEN STORING IN A MAGAZINE THAT IS KNOWN TO HAVE A "DAMP" FLOOR. IN IGLOO, ARCH TYPE AND STRADLEY MAGA-ZINES WHICH HAVE FLOORS SLOPING TOWARD THE SIDEWALLS, THE DEPICTED STORAGE PATTERNS INCLUDE CANISTER STACKS WHICH STRADDLE THE RIDGE OF THE FLOOR AT THE CENTER OF THE MAGAZINE. IT MAY BE NECESSARY, THEREFORE, TO USE 2" THICK MATERIAL FOR FLOOR DUNNAGE UNDER THESE STACKS TO PREVENT THE BOTTOM OF THE CANISTERS FROM CONTACTING THE CONCRETE FLOOR. TO ACHIEVE SOUND AND ACCEPTABLE STABLE STACKS FROM THE FLOOR TO THE TOP OF THE STACK, STACK STABILIZING DUNNAGE IN THE FORM OF VARIOUS THICKNESSES OF FLOOR DUNNAGE WILL BE USED IF RE-QUIRED. <u>MOTE</u>: THE OPTIONAL FLOOR DUNNAGE IS NOT DEPICTED IN THE VIEWS SHOWN ON PAGES 4 THROUGH 31. SEE THE "TYPICAL INSTALLATION.
- T. 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 AND 2" X 6" MATERIAL IS ACTUALLY 1-1/2" THICK BY 5-1/2" WIDE.
- U. 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.

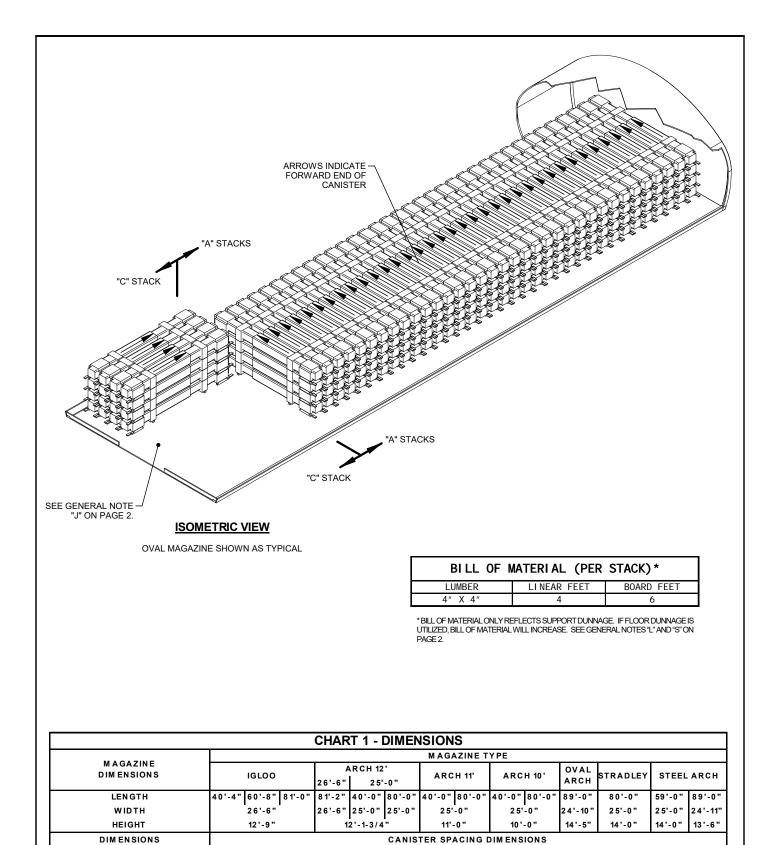
MATERIAL SPECIFICATION

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









CK SIDE)	7"	7"	7"	14 "	9"	9 "	12 "	16 "	17-3/4"	17"	15"	12 "	
1		LSTO	RAGE	IN ARC	CHEDO	DR RO	UNDED	ROO	F MAG		GONE-	PACK)	

2 2 ' - 11"

14 "

39"

16'-7"

2 1' - 6 "

14 "

39"

16'-4"

2 2 ' - 11"

14 "

39"

15'-11" 15'-10

22'-2"

6"

39"

23'-7

6"

39"

15' - 11"

21'-1"

6"

38"

15'-11"

23'-7'

6"

39"

16'-4

23'-10

6"

39

16'-10

6"

21'-1"

6"

38-1/2

16'-7

8 "

PROJECT GM 929-16

22'-6"

6"

48'

18'-3'

21'-8"

6"

48"

18'-3"

20'-9

6"

48"

18'-3"

24'-1"

14 "

48"

17'-8

21'-6"

14 "

39"

16'-7"

PAGE 6

DIM "D" MHE AISLE (APPROX)

DIM "G" MHE AREA (APPROX)

DIM "E" ("A" STACK BACK)

DIM "F" ("A" STACK SIDE)

DIM "H" ("C" STACK SIDE)

	CHART 2 - STACK CONFIGURATION														
	MAGAZINE TYPE														
		IGLOO ARCH 12' ARCH 12' X 25' W ARCH 11' ARCH 10' OVAL STRADLEY STEEL AR 0'-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 80'-0" L 80'-0" L 80'-0										ARCH			
CANISTERS PER	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	ARCH	SIRADLET	59'-0"L	89'-0" L	
MAGAZINE	36	69	10 2	96	36	96	36	96	18	38	156	13 2	84	152	
"A" STACK CONFIGURATION															
LAYER CANISTER ONE-PACKS PER LAYER															
1		1(0)		1(0)	1(0)	1(0)	1(0)	1(0)	1(0)	1(0)	
2		1(O)		1(0)	1(0)	1(0)	-	-	1(0)	1(O)	1(0)	
3		1(O)		1(0)	1(0)		1(0)		-			1(0)	1(0)	
4											1(0)	1(O)	1(0)	
SINGLE STACK TOTAL		3		3	3		3		1		4	4	4	Ļ	
NUMBER OF STACKS	9	20	31	29	9	29	9	29	9	29	35	29	18	35	
"A" STACK TOTAL	27	60	93	87	27	87	27	87	9	29	14 0	116	72	14 0	
					"C"	STACK	CONFIGU	RATION							
LAYER						CANISTE	ER ONE-P	ACKS PER	LAYER						
1		4(P-S)			4(P-S)		4 (P	-S)	4 (F	'-S)	4(P-S)	4(P-S)	4 (P	-S)	
2		3(P-R)			3(P-R)		3 (P	-R)	3 (F	'-R)	4(P-S)	4(P-S)	3(P-R)		
3		2(P-Q)		2(P-Q)			2 (P	-Q)	2(P-Q)		4(P-S)	4(P-S)	3(P-R)		
4						-	-			4(P-S)	4(P-S)	2 (P	-Q)		
NUMBER OF STACKS		1			1		1	I	1		1	1		1	
"C" STACK TOTAL		9			9		9)	9)	16	16	12		

SPECIAL NOTES:

- 1. 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 CANISTERS WHICH CAN BE STORED IN THE STORAGE MAGAZINES LISTED IN THESE CHARTS.
- 2. CHART 1 ON PAGE 6 DESCRIBES THE STORAGE MAGAZINE GENERAL DIMEN-SIONS AND THE DIMENSIONS OF THE CANISTER SPACING WITHIN THE STORAGE MAGAZINES.
- 3. DIMENSIONS "A", "B" AND "C" HAVE BEEN OMITTED TO AVOID CONFUSION WITH STACKS "A", "B" AND "C".
- 4. CHART 2 ON THIS PAGE DETAILS THE QUANTITY OF CANISTERS IN EACH TYPE OF MAGAZINE AND THE LAYOUT OF THE STACKS FOR EACH TYPE OF MAGA-ZINE. THE CHART SHOWS THE NUMBER OF CANISTERS IN EACH STACK LAYER AND THE LOCATION OF THE CANISTER ON EACH LAYER.

(CONTINUED AT RIGHT)

EXAMPLE:

CHART 2 – "A" STACK CONFIGURATION MAGAZINE: IGLOO

LAYER NUMBER 1: 1 (0) LAYER NUMBER 2: 1 (0) LAYER NUMBER 3: 1 (0)

EXPLANATION:

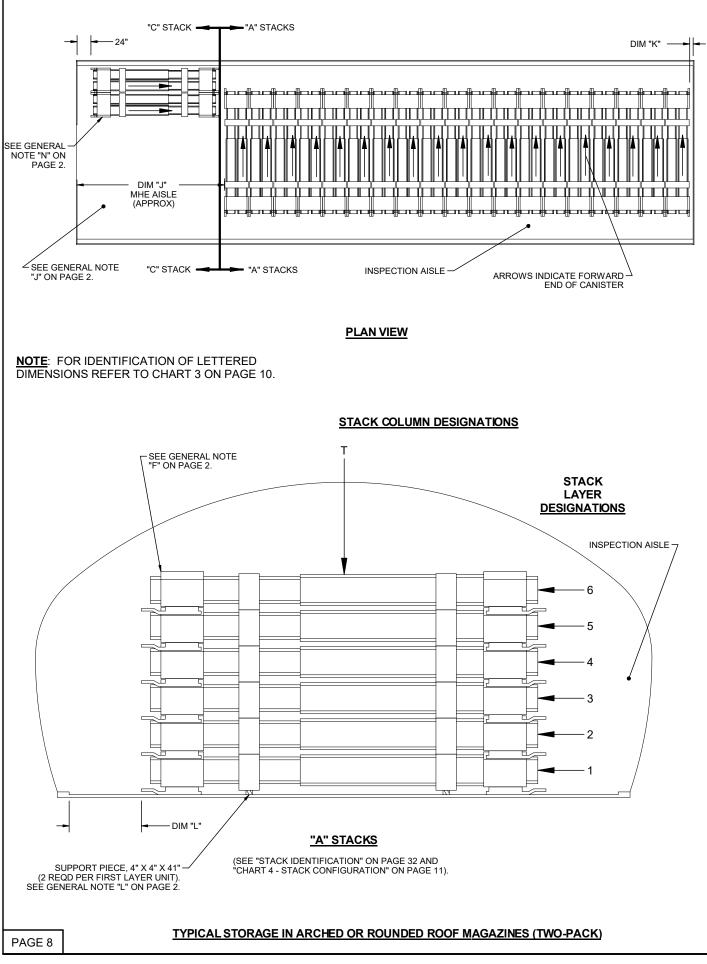
LAYER 1 (BOTTOM LAYER) HAS ONE CANISTER ONE-PACKS IN THE "O" COLUMN.

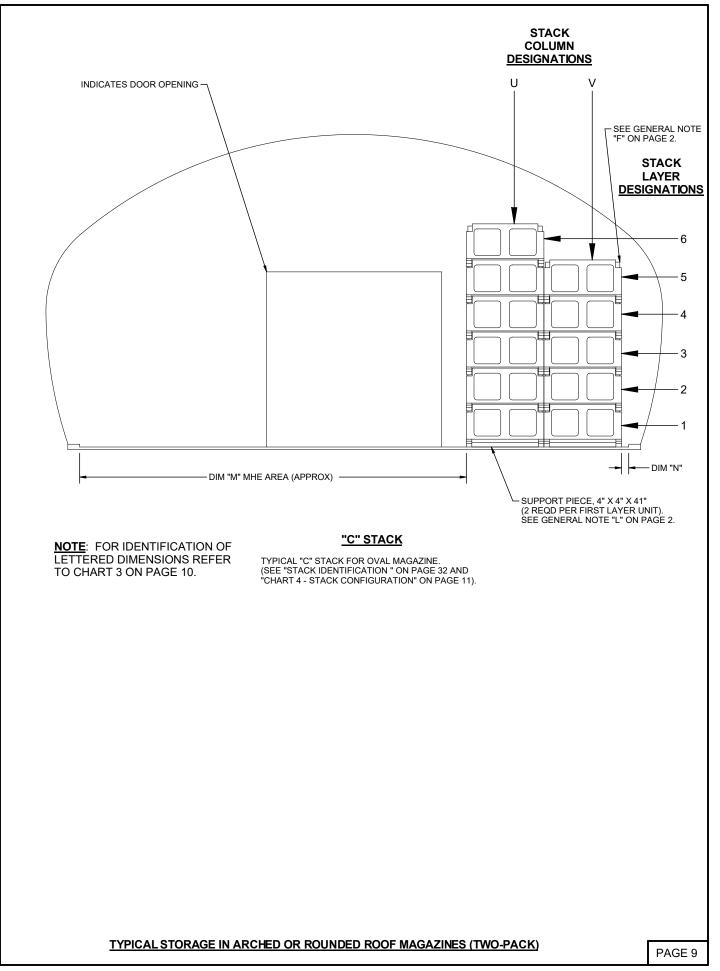
LAYER 2 (ON TOP OF LAYER 1) HAS ONE CANISTER ONE-PACKS IN THE "O" COLUMN.

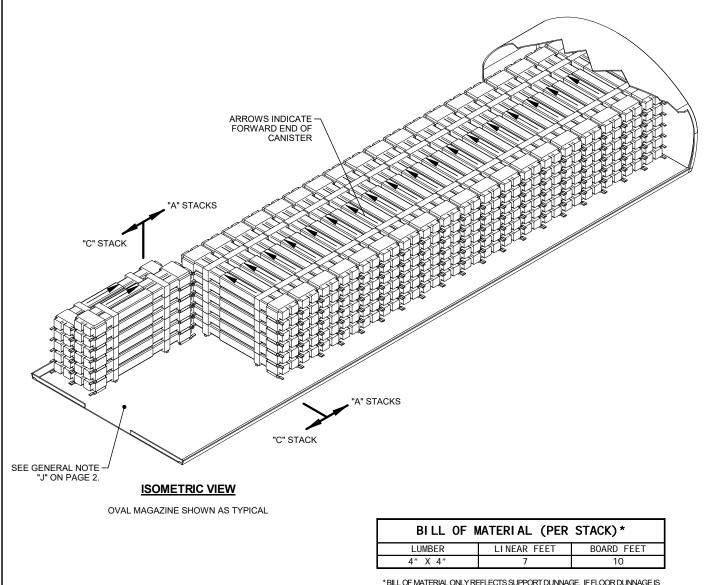
LAYER 3 (ON TOP OF LAYER 2) HAS ONE CANISTER ONE-PACKS IN THE "O" COLUMN.

TYPICAL STORAGE IN ARCHED OR ROUNDED ROOF MAGAZINES (ONE-PACK)

PAGE 7







* BILL OF MATERIAL ONLY REFLECTS SUPPORT DUNNAGE. IF FLOOR DUNNAGE IS UTILIZED, BILL OF MATERIAL WILL INCREASE. SEE GENERAL NOTES "L" AND "S" ON PAGE 2.

				CHAR	13-	DIMEN	ISION	5						
M 4 0 4 7 11 15							MAGA	AZINE T	YPE					
M A GAZINE DIM ENSIONS	IGLOO			ARCH 12' 26'-6" 25'-0"			ARCH 11'		ARCH 10'		OVAL ARCH	STRADLEY	STEEL AR	
LENGTH	40'-4"	60'-8"	8 1' - 0 "	8 1' - 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"	2 5'-0 "	2 5'-0"	2 5'	-0"	2 5'	-0"	2 4 ' - 10 "	2 5'-0 "	2 5'-0 "	24'-11
HEIGHT	12 ' - 9 "			12 ' - 1 - 3 / 4 "		11'-0 "		10'	10'-0"		14'-0"	14'-0"	13'-6	
DIMENSIONS						CANIS	TER SP	ACING	DIMENS	IONS				
DIM "J" MHE AISLE (APPROX)	2 2 ' - 1"	21'-3"	20'-4"	23'-4"	2 1' - 1"	22'-2"	2 1' - 1"	22'-2"	2 1' - 10 "	2 2 ' - 10 "	2 1'-3 "	2 2 ' - 10 "	23'-1"	21'-3
DIM "K" ("A" STACK BACK)	6 "	6"	6 "	14 "	14 "	14 "	14 "	14 "	6 "	6 "	6 "	6 "	6 "	6"
DIM "L" ("A" STACK SIDE)	48"	48"	48"	48"	39"	39"	39"	39"	39"	39"	38"	39"	39"	3 8 - 1/ 2
DIM "M" MHE AREA (APPROX)	18 ' - 10 "	18'-10"	18 ' - 10 "	18'-3"	17'-2"	17'-2"	16'-11"	16'-7"	16'-5"	16'-6"	16'-6"	16 ' - 11"	17'-5"	17'-2
DIM "N" ("C" STACK SIDE)	7"	7"	7"	14 "	9"	9"	12 "	16 "	17-3/4"	17"	15"	12 "	6"	8"

PAGE 10

TYPICAL STORAGE IN ARCHED OR ROUNDED ROOF MAGAZINES (TWO-PACK)

					CHART	4 - STA		FIGURAT							
	CHART 4 - STACK CONFIGURATION MAGAZINE TYPE														
CANISTERS PER	40'-4" L	IGLOO 60'-8" L	81'-0"L	ARCH 12' 26'-6" W		X 25' W	ARC	H 11'		H 10' 80'-0" L	OVAL ARCH	STRADLEY	STEEL 59'-0" L	ARCH 89'-0" L	
MAGAZINE	38	74	110	10 4	38	10 4	38	10 4	18	40	2 5 0	18 2	112	202	
					"A"	STACK	CONFIGU	IRATION							
LAYER	LAYER CANISTER TWO-PACKS PER LAYER														
1		1(T)		1(T)	1(`	T)	1(Т)	1(T)	1(T)	1(T)	1(T)	
2		1(T)		1(T)	1(`	Τ)	1(Т)	-	-	1(T)	1(T)	1(Т)	
3		1(T)		1(T)	1(`	Τ)	1(T)				1(T)	1(T)	1(Т)	
4											1(T)	1(T)	1(T)		
5											1(T)	1(T)	1(T)		
6					-	-	-	-			1(T)				
SINGLE STACK TOTAL		3		3	3 3		3		1		6	5		5	
NUMBER OF STACKS	5	11	17	16	5	16	5	16	5	16	19	16	10	19	
"A" STACK TOTAL	15	33	51	48	15	48	15	48	5	16	114	80	50	95	
		•	-		"C "	STACK	CONFIGU	RATION	•						
LAYER						CANISTE	R TWO-P	ACKS PEF	RLAYER						
1		2(U-V)			2(U-V)		2 (U	-V)	2(U-V)		2(U-V)	2(U-V)	2 (U	-V)	
2		1(U)			1(U)		1(U)		1(U)		2(U-V)	2(U-V)	1(U)		
3		1(U)			1(U)		1(U)	1(1(U) 2(U-V		2(U-V)	1(U)		
4							-	-	-	-	2(U-V)	2(U-V)	1(U)		
5									-	-	2(U-V)	2(U-V)	2(U-V) 1(U)		
6											1(U)	1(U)	1(U)		
NUMBER OF STACKS		1			1			1		1	1	1		1	
"C" STACK TOTAL		4			4		4	1		Ļ	11	11	e	6	

SPECIAL NOTES:

- 1. THE FOLLOWING NOTES, CHART 3 ON PAGE 10 AND CHART 4 ON THIS PAGE ARE PRESENTED AS GUIDANCE IN THE SELECTION OF A STORAGE PATTERN, AND IN DETERMINING THE QUANTITY OF CANISTERS WHICH CAN BE STORED IN THE STORAGE MAGAZINES LISTED IN THESE CHARTS.
- 2. CHART 3 ON PAGE 10 DESCRIBES THE STORAGE MAGAZINE GENERAL DIMEN-SIONS AND THE DIMENSIONS OF THE CANISTER SPACING WITHIN THE STORAGE MAGAZINES.
- 3. DIMENSIONS "A", "B" AND "C" HAVE BEEN OMITTED TO AVOID CONFUSION WITH STACKS "A", "B" AND "C".
- 4. CHART 4 ON THIS PAGE DETAILS THE QUANTITY OF CANISTERS IN EACH TYPE OF MAGAZINE AND THE LAYOUT OF THE STACKS FOR EACH TYPE OF MAGA-ZINE. THE CHART SHOWS THE NUMBER OF CANISTERS IN EACH STACK LAYER AND THE LOCATION OF THE CANISTER ON EACH LAYER.

(CONTINUED AT RIGHT)

EXAMPLE:

CHART 4 – "A" STACK CONFIGURATION MAGAZINE: IGLOO

LAYER NUMBER 1: 1 (T) LAYER NUMBER 2: 1 (T) LAYER NUMBER 3: 1 (T)

EXPLANATION:

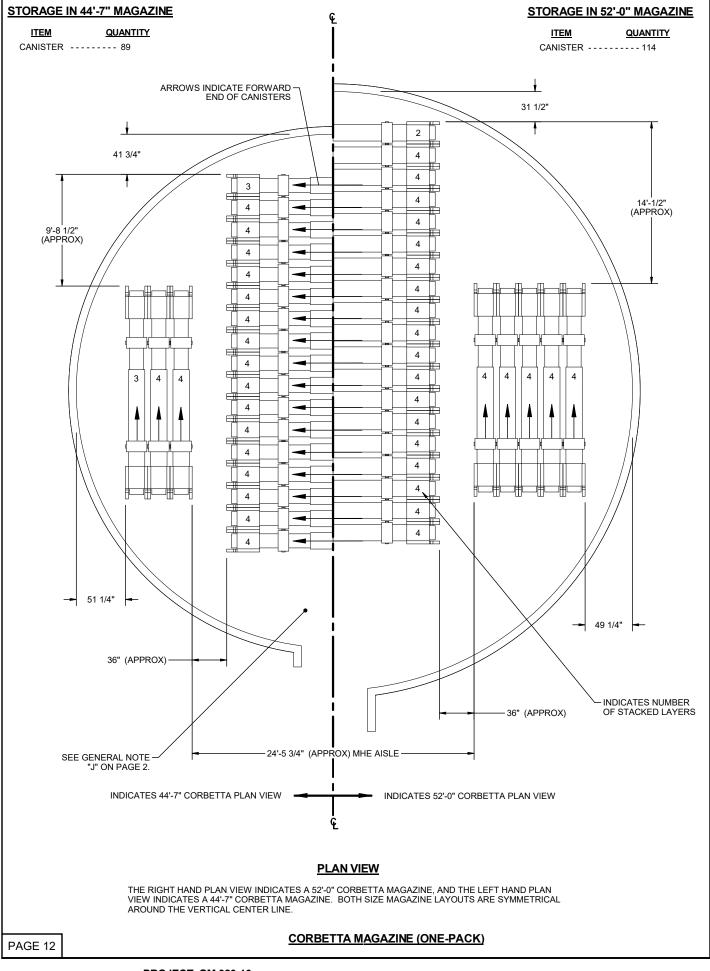
LAYER 1 (BOTTOM LAYER) HAS ONE CANISTER TWO-PACKS IN THE "T" COLUMN.

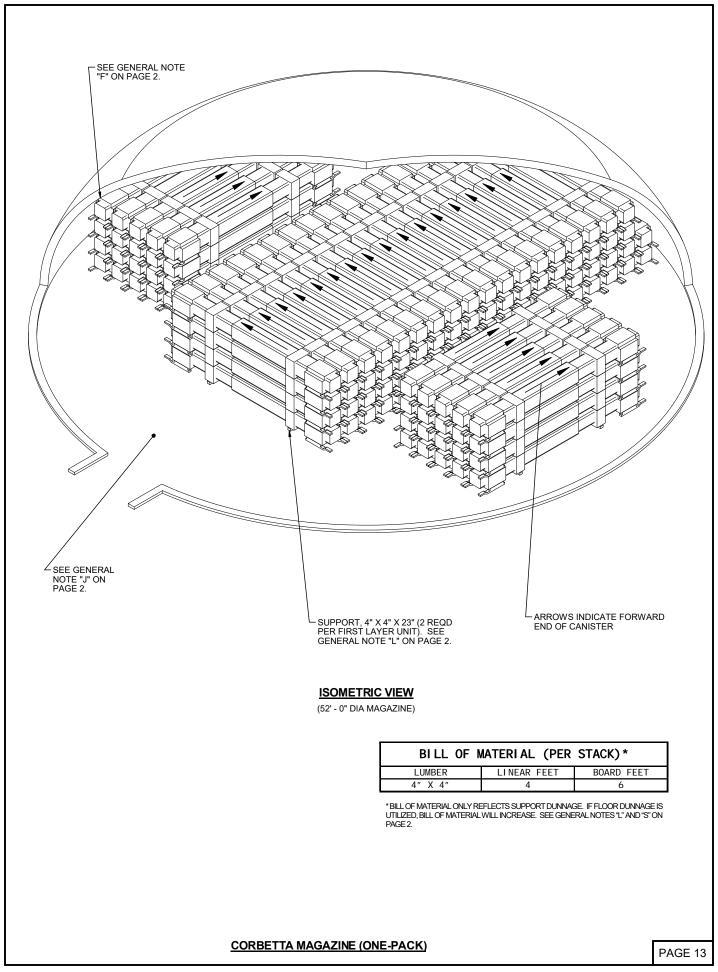
LAYER 2 (ON TOP OF LAYER 1) HAS ONE CANISTER TWO-PACKS IN THE "T" COLUMN.

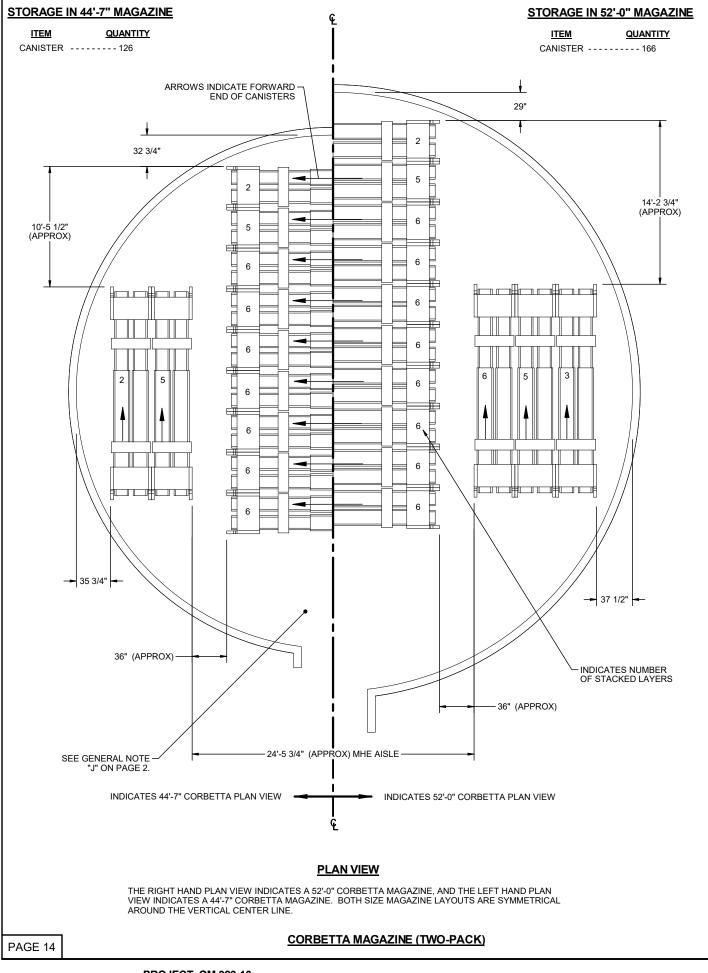
LAYER 3 (ON TOP OF LAYER 2) HAS ONE CANISTER TWO-PACKS IN THE "T" COLUMN.

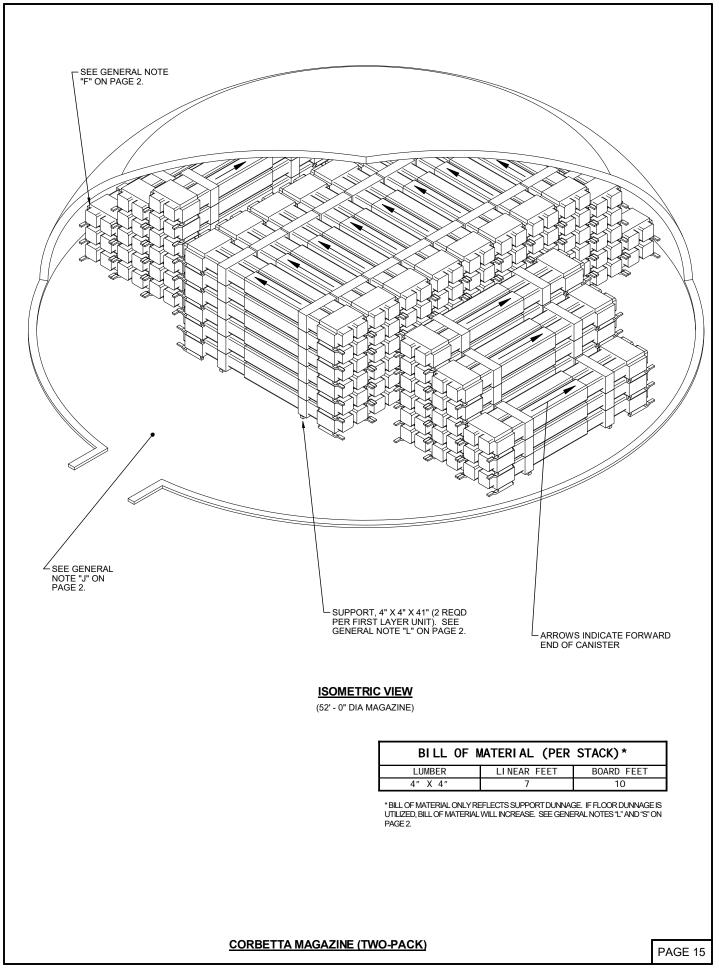
TYPICAL STORAGE IN ARCHED OR ROUNDED ROOF MAGAZINES (TWO-PACK)

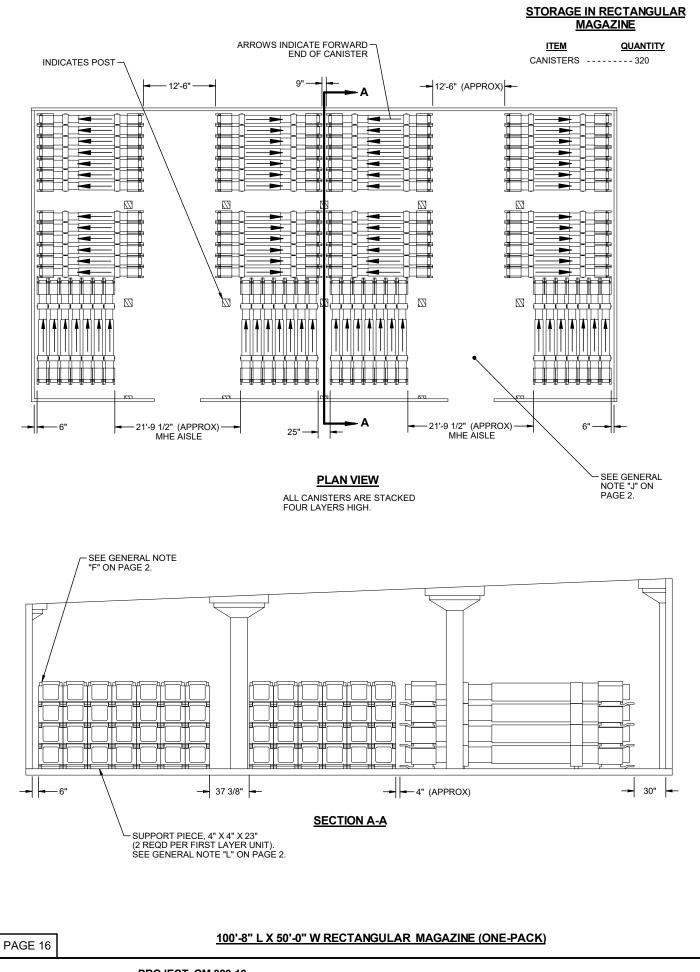
PAGE 11

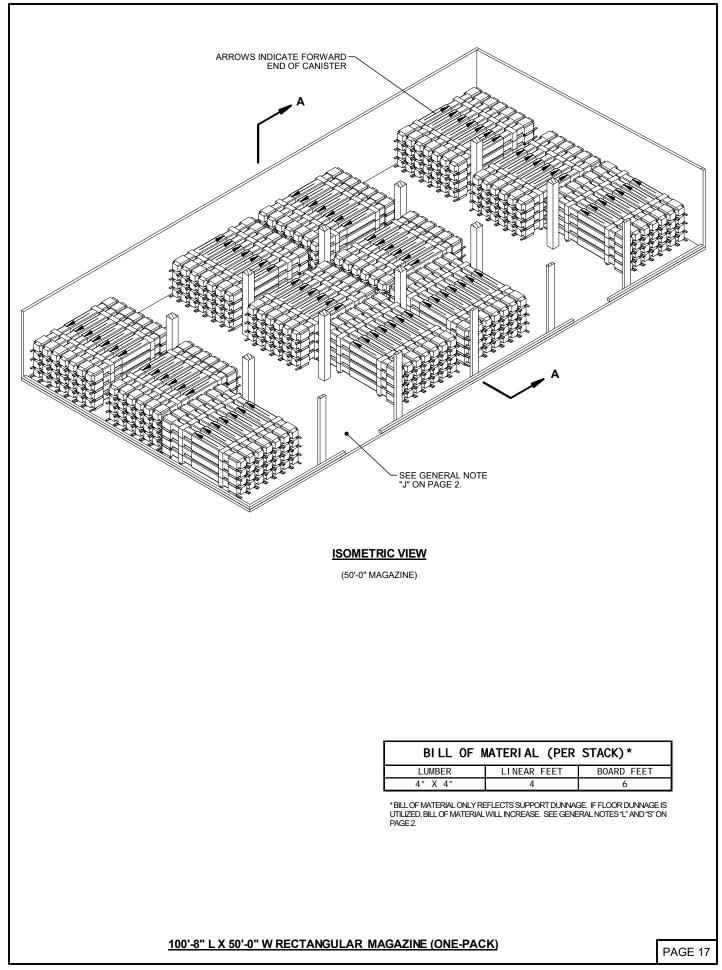


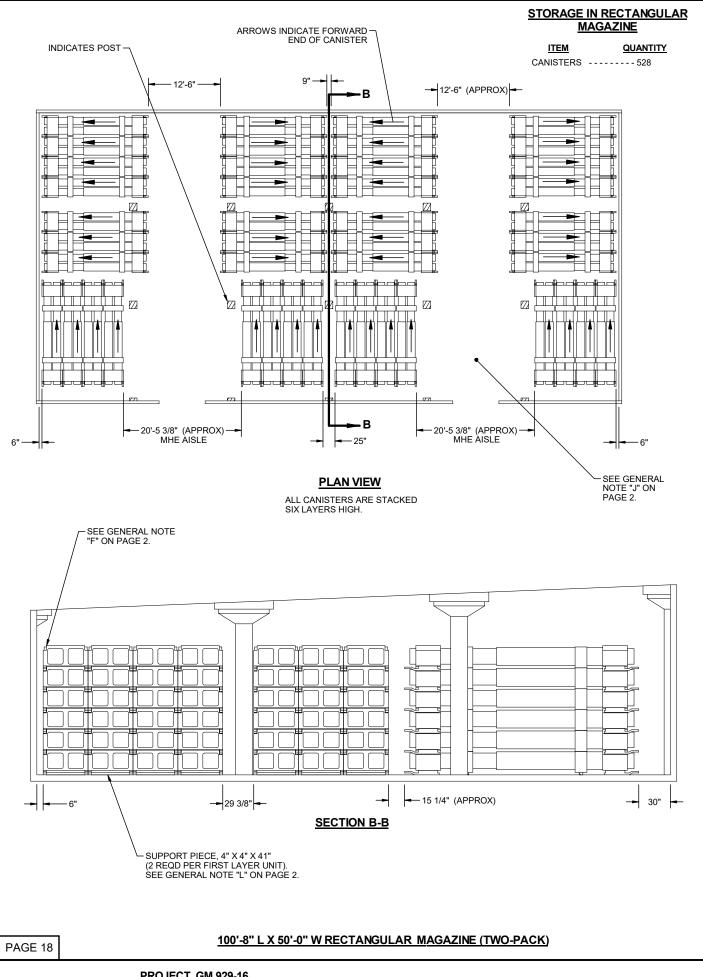




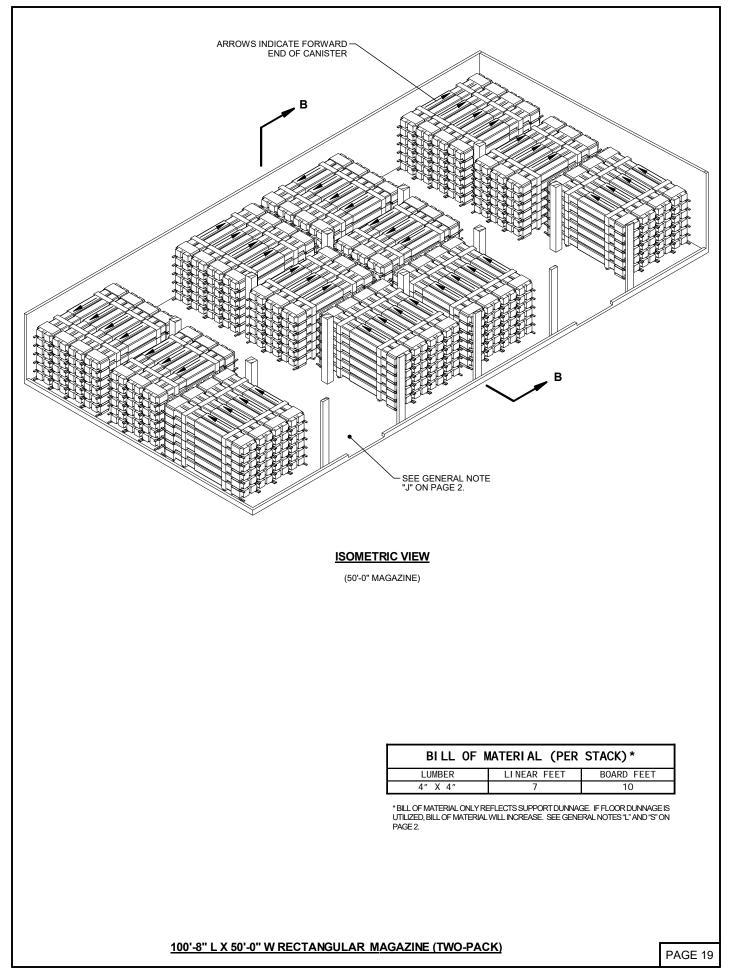




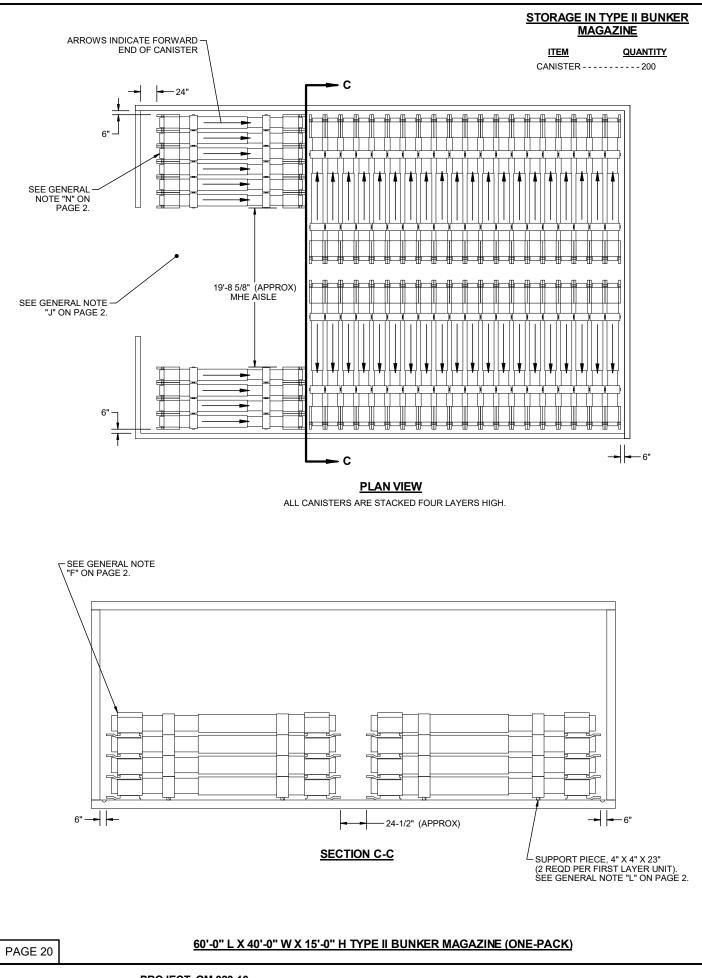


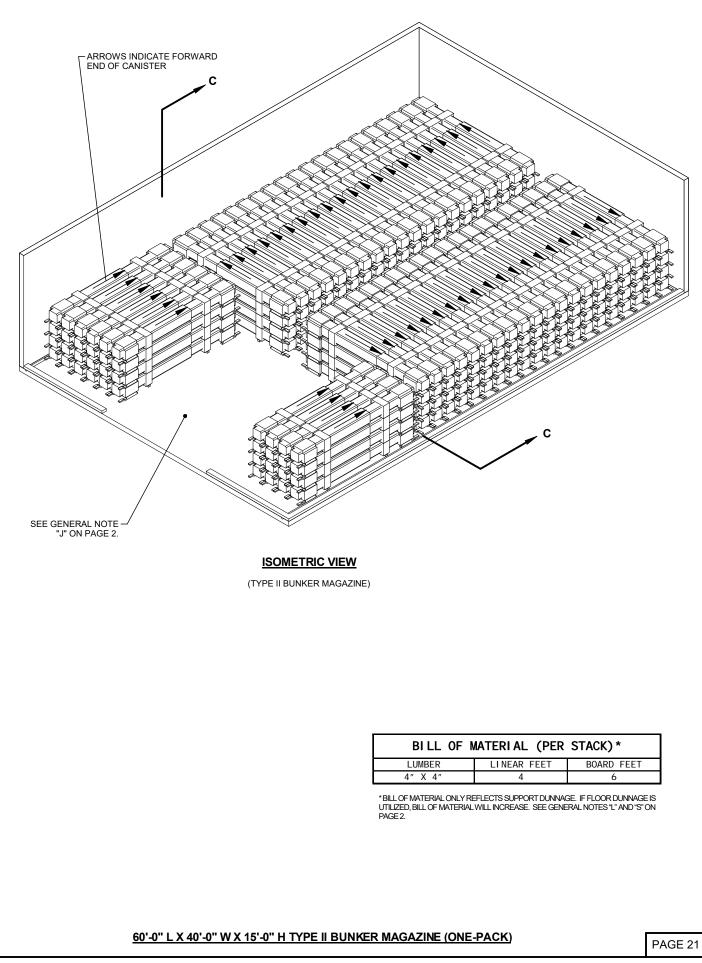


PROJECT GM 929-16

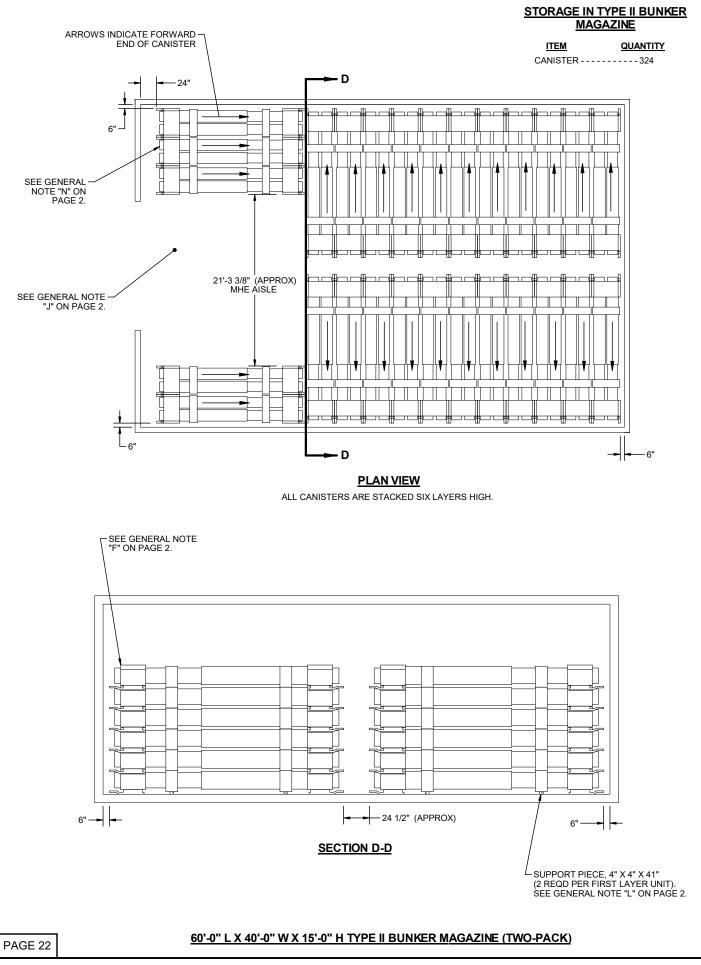


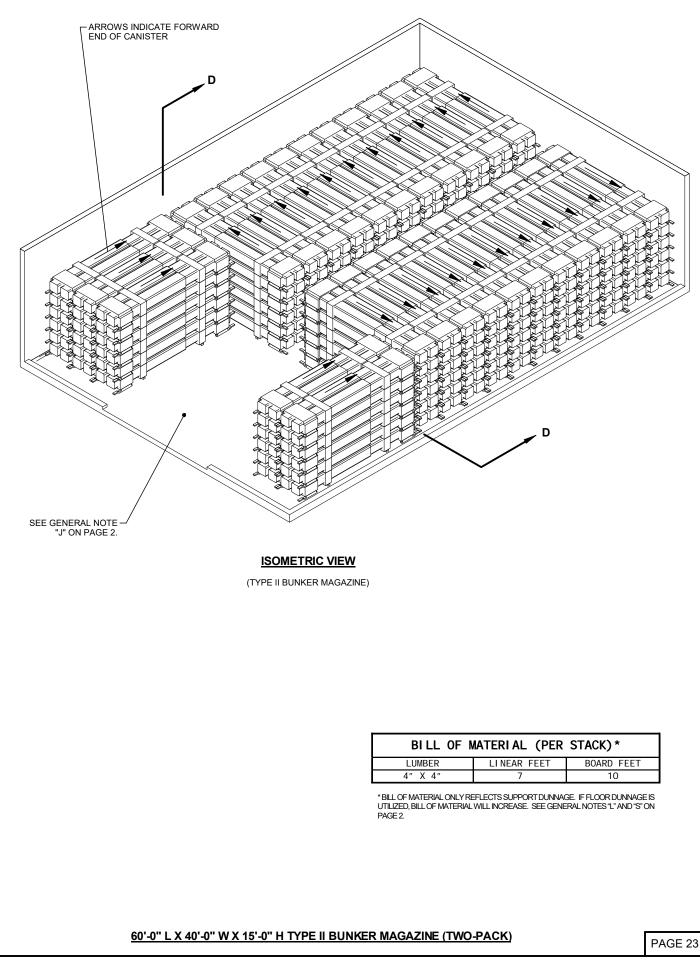


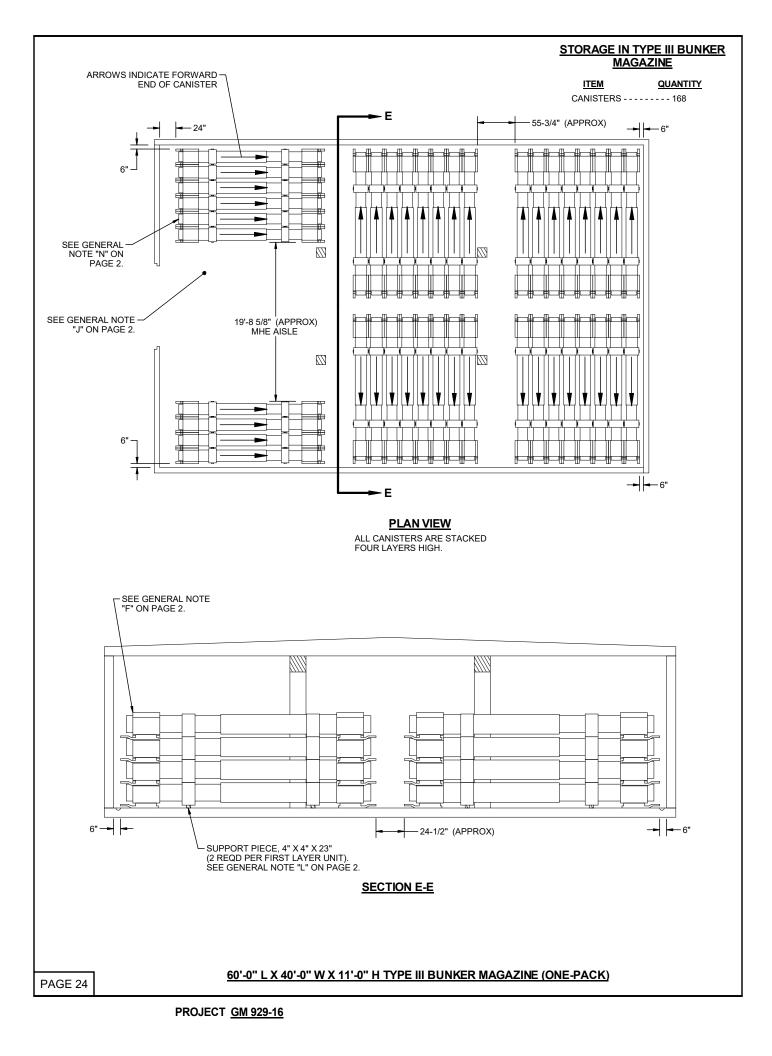


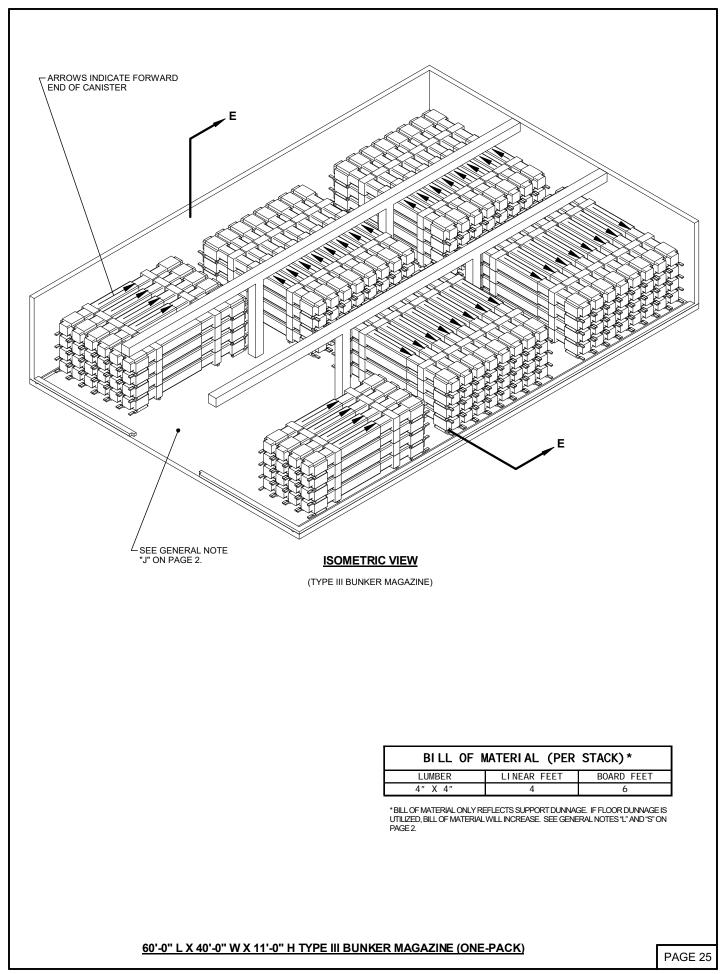


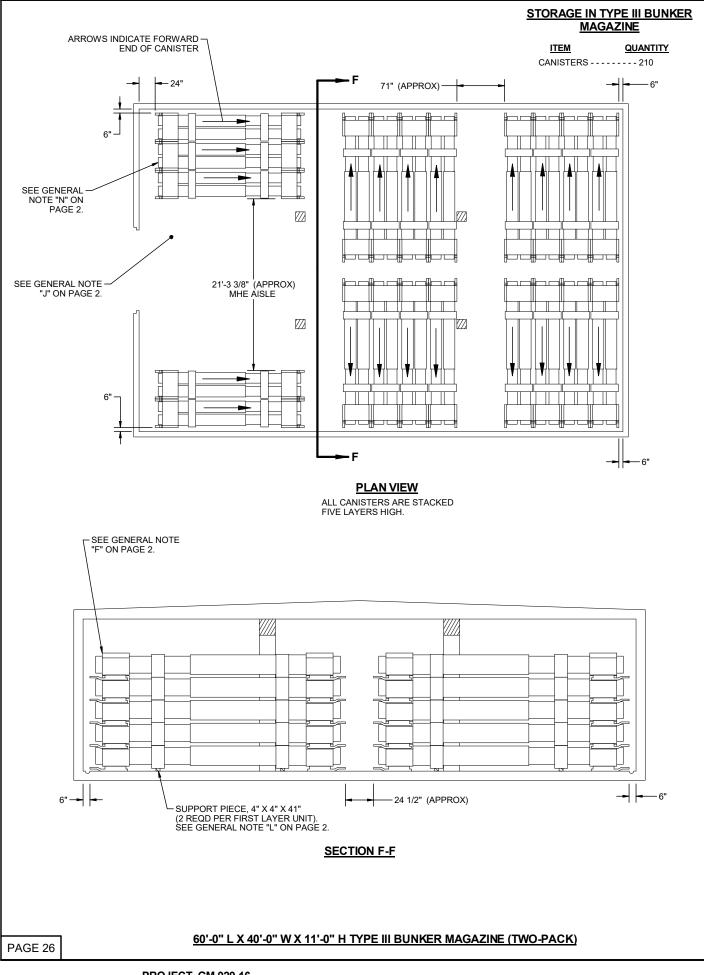




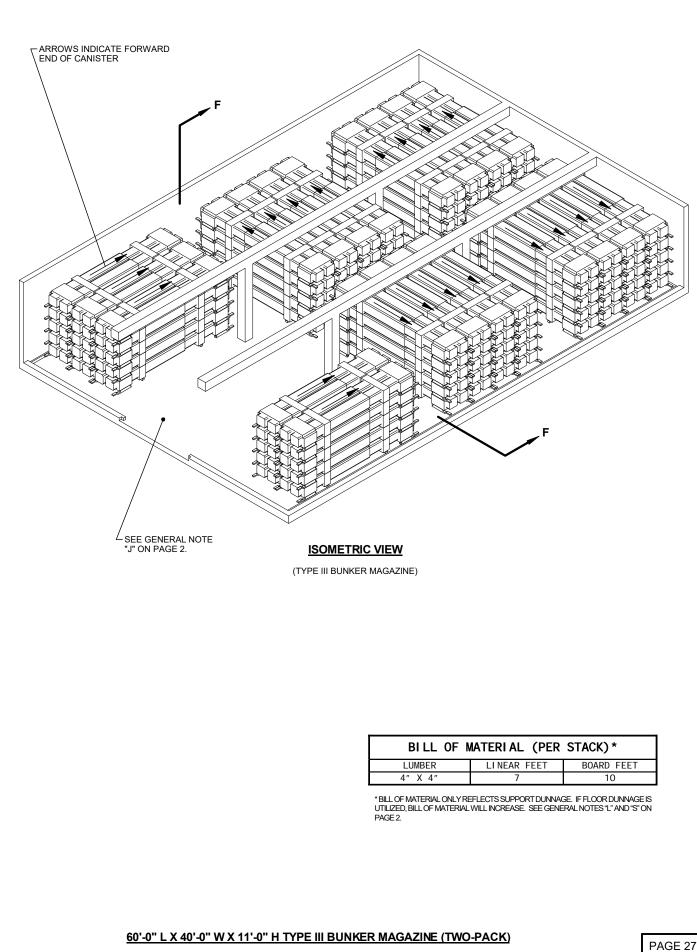


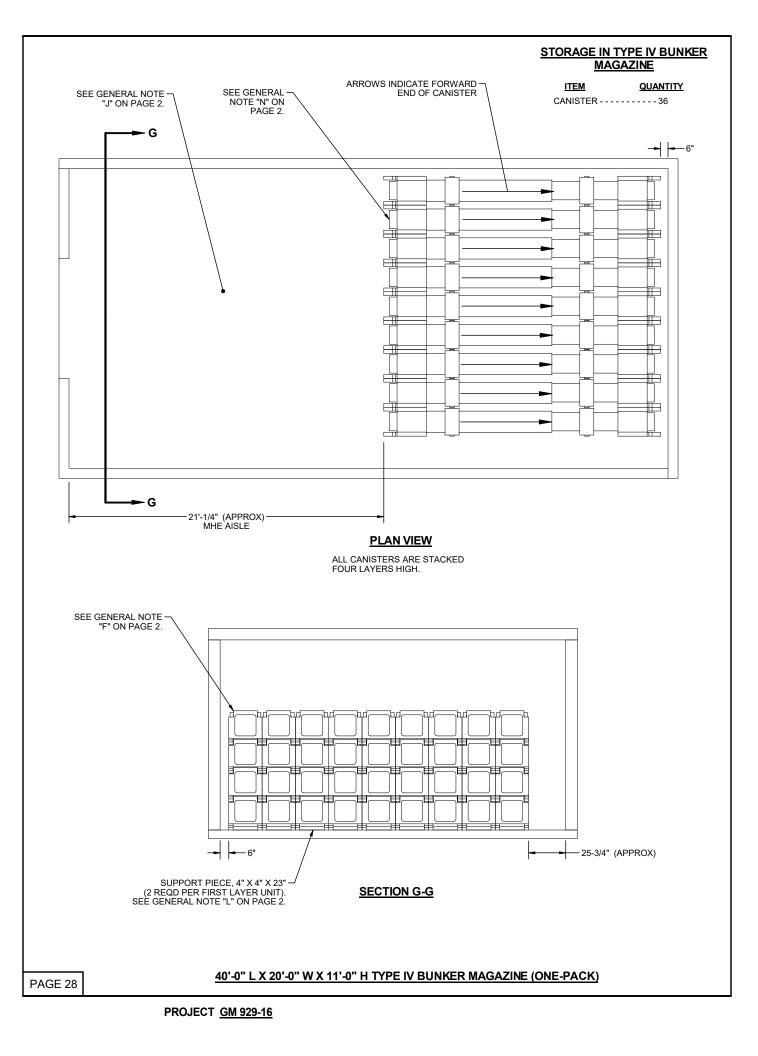


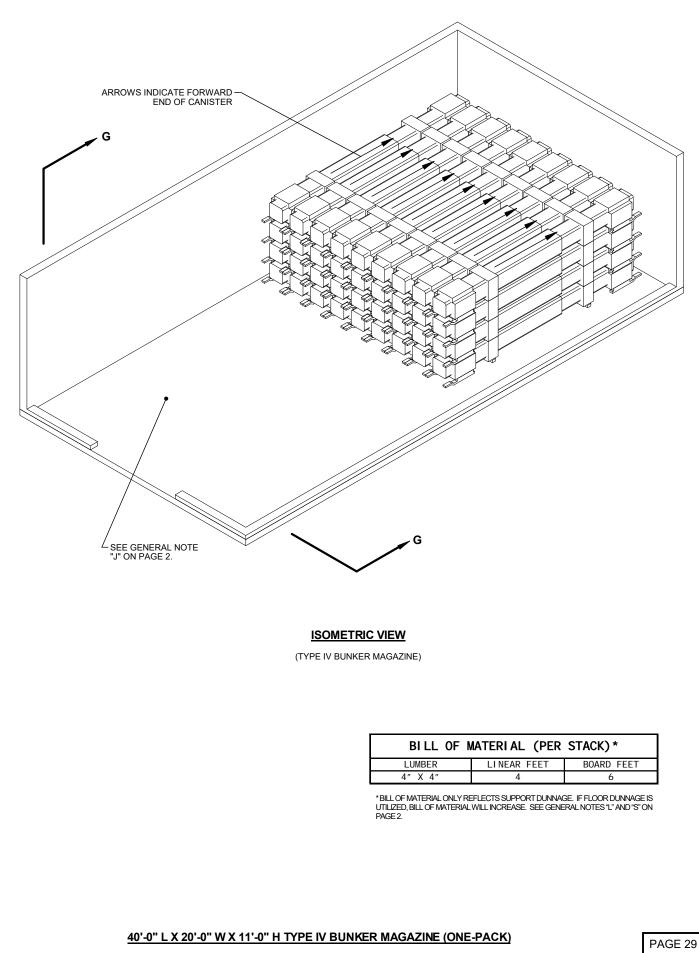


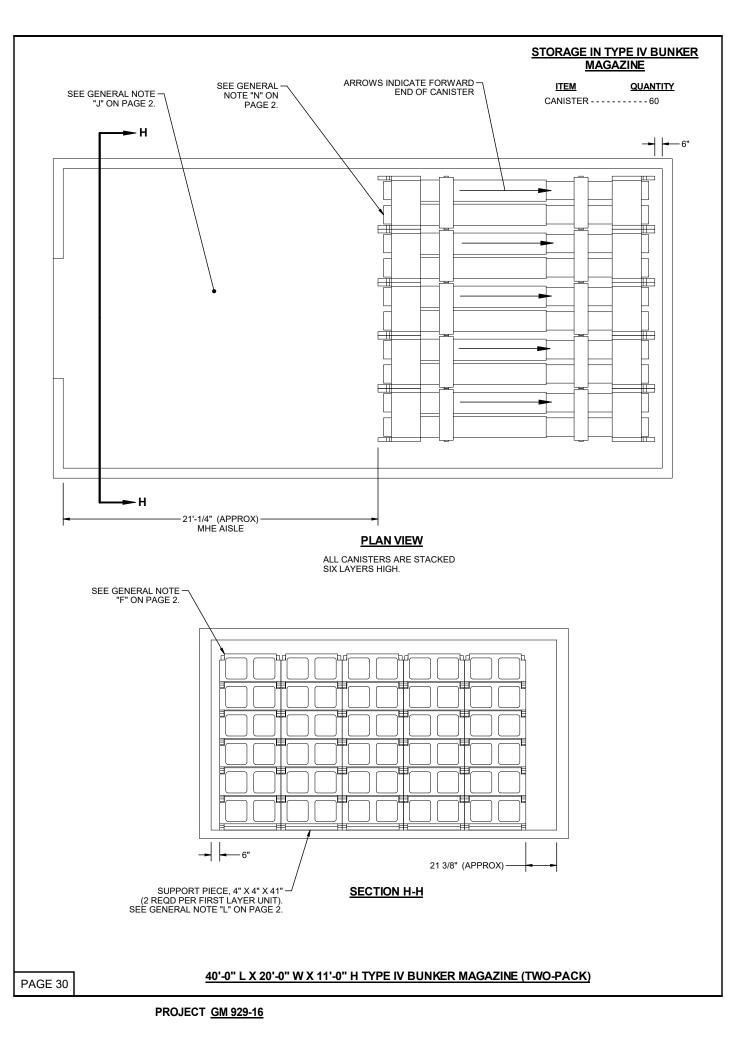


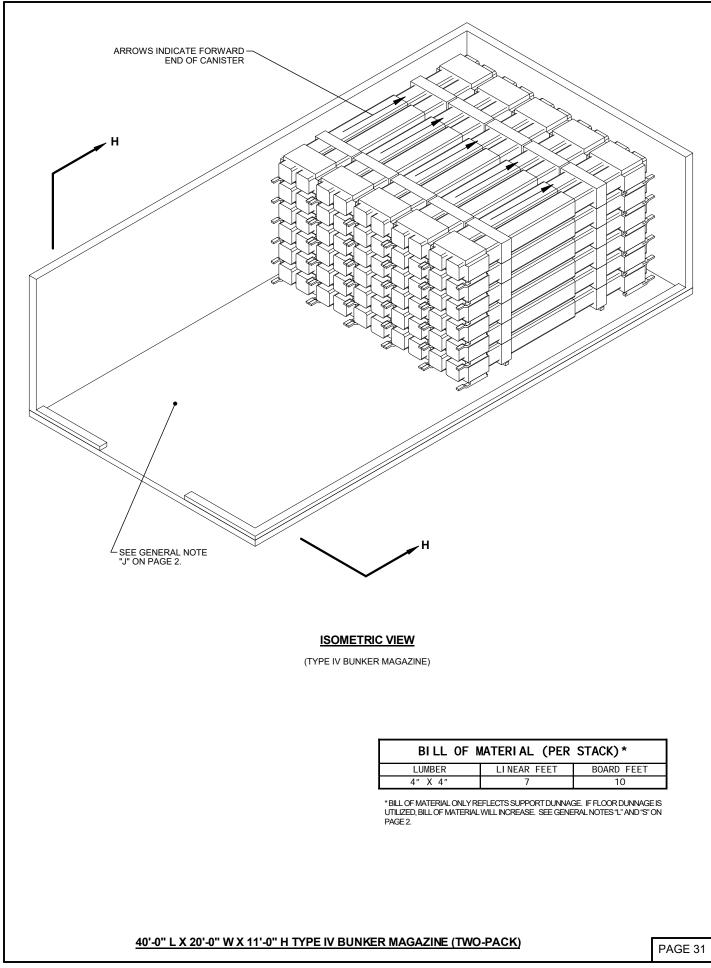
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A TYPE "A" STACK IS IDENTIFIED AS A GROUP OF ITEMS /UNITS WHICH EXTENDS FULL WIDTH AND HEIGHT OF THE MAGAZINE, AND IS ONE ITEM/UNIT LONG IN THE LENGTH OF THE MAGAZINE.

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: A MODIFIED "B" STACK IS IDENTIFIED AS A GROUP OF ITEMS/UNITS THAT ARE ON ONE SIDE OF THE TYPE "A" STACK AND ARE ORIENTED WITH THE LENGTH OF THE ITEMS/UNITS ALONG THE LENGTH OF THE STORAGE MAGAZINE.

> - SUPPORT PIECE, 4" X 4" X 41" (2 REQD PER FIRST LAYER UNIT). SEE GENERAL NOTE "L" ON PAGE 2.

L TYPE "A" STACK

TYPE "B" STACK

TYPE "C" STACK

FLOOR DUNNAGE, 1" X 4" X 41" OR 2" X 4" X 41" (6 SHOWN PER FIRST-LAYER CANISTER). POSITION TWO UNDER THE SKIDS AT EACH END OF THE CANISTER AND ONE UNDER EACH SUPPORT PIECE. SEE GENERAL NOTE "S" ON PAGE 2.

TYPICAL SUPPORT PIECE AND FLOOR DUNNAGE DETAIL

THE DETAIL ABOVE DEPICTS TWO-PACK CANISTERS. FLOOR DUNNAGE MAY ALSO BE INSTALLED FOR ONE-PACK CANISTERS, BUT WILL BE REDUCED TO 23" LONG.

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MAGAZINE FLOOR