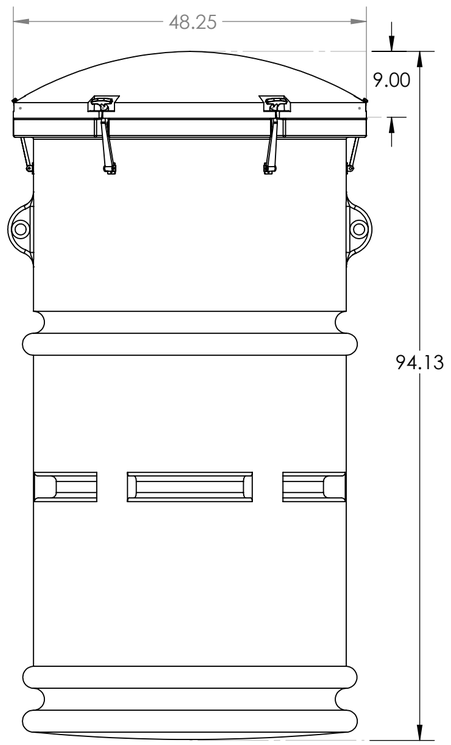
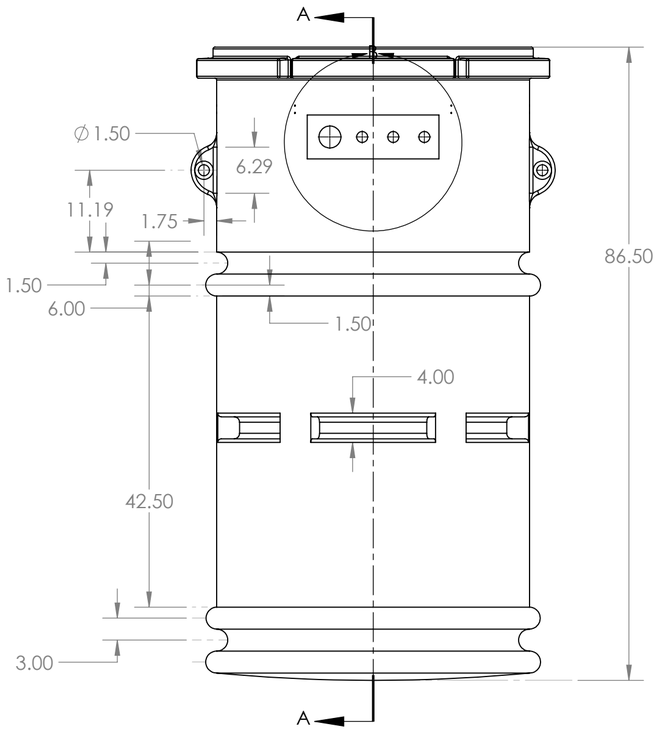
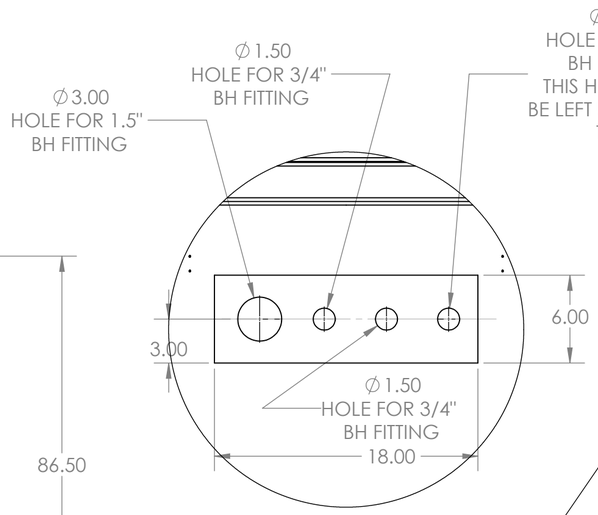


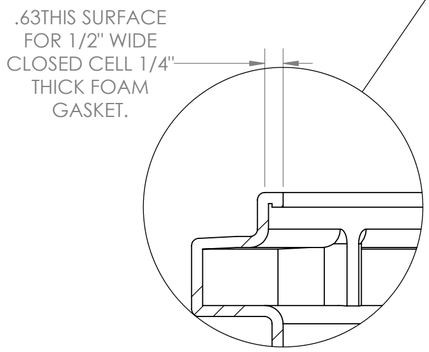
TALL VAULT ASSEMBLY



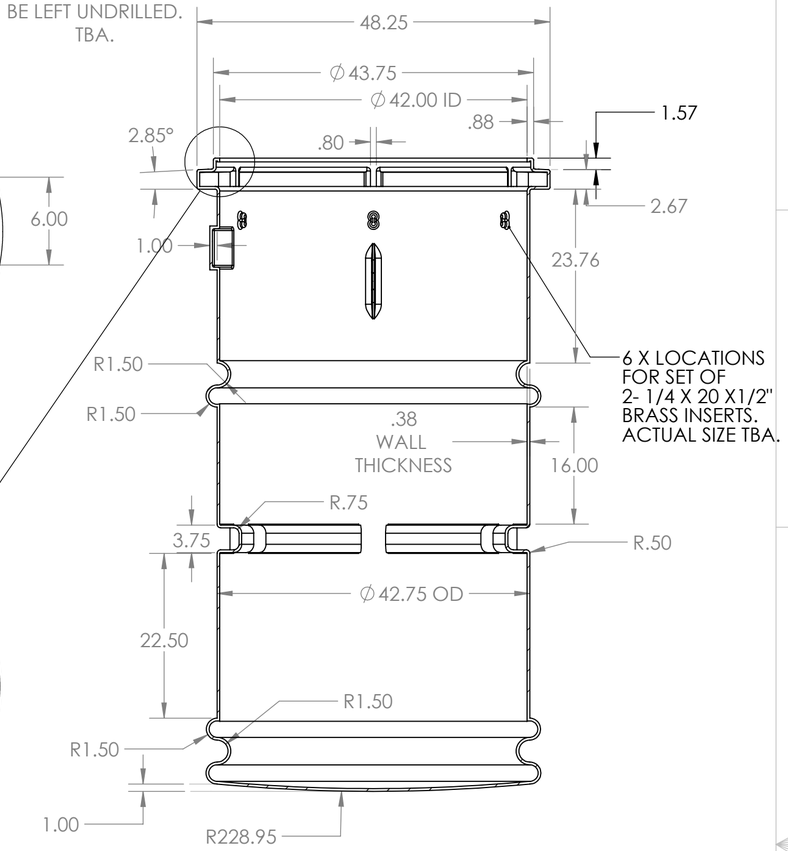
TALL VAULT



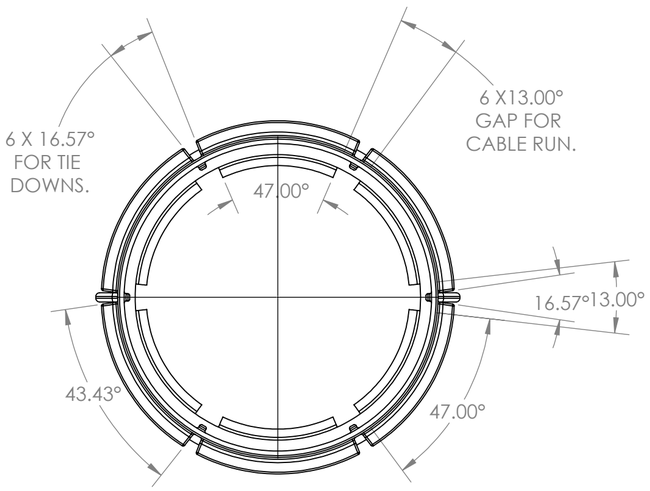
DETAIL B
SCALE 1 : 8



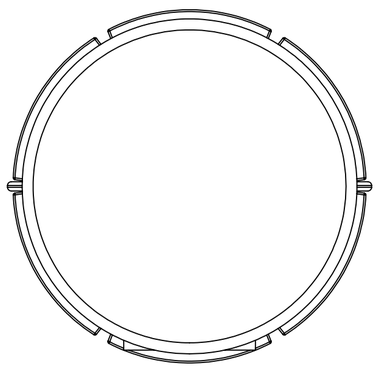
DETAIL C
SCALE 1 : 4



SECTION A-A



TOP

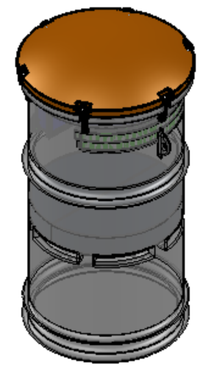


BOTTOM

Note:
Tooling to be used to manufacture the 2 vaults and lid will be 1/4" thick aluminum primarlily alloy 6061. The vault mold will have multiple parting lines and sections so that the piece may be used as inter changable between the 2 different size vaults. The lid mold will be a standard 2 part clam shell type mold with a single parting line.

Framing on all molds will be a carbon steel structure suitable of supporting the molds through several thousand molded parts.

Molds will be able to produce several thousand part 2K-3K with minor repairs through out it life exspectancy. Molds should easily produce 5K parts in it lifetime.



Molded parts specifications:

Tall Vault 229 lbs HDPE 3/8" thick
Lid for Vault 39 lbs 1/4" wall thickness with 11 lbs PU (2lbs/square foot
Max Height 94.125"
Max width 48.25"

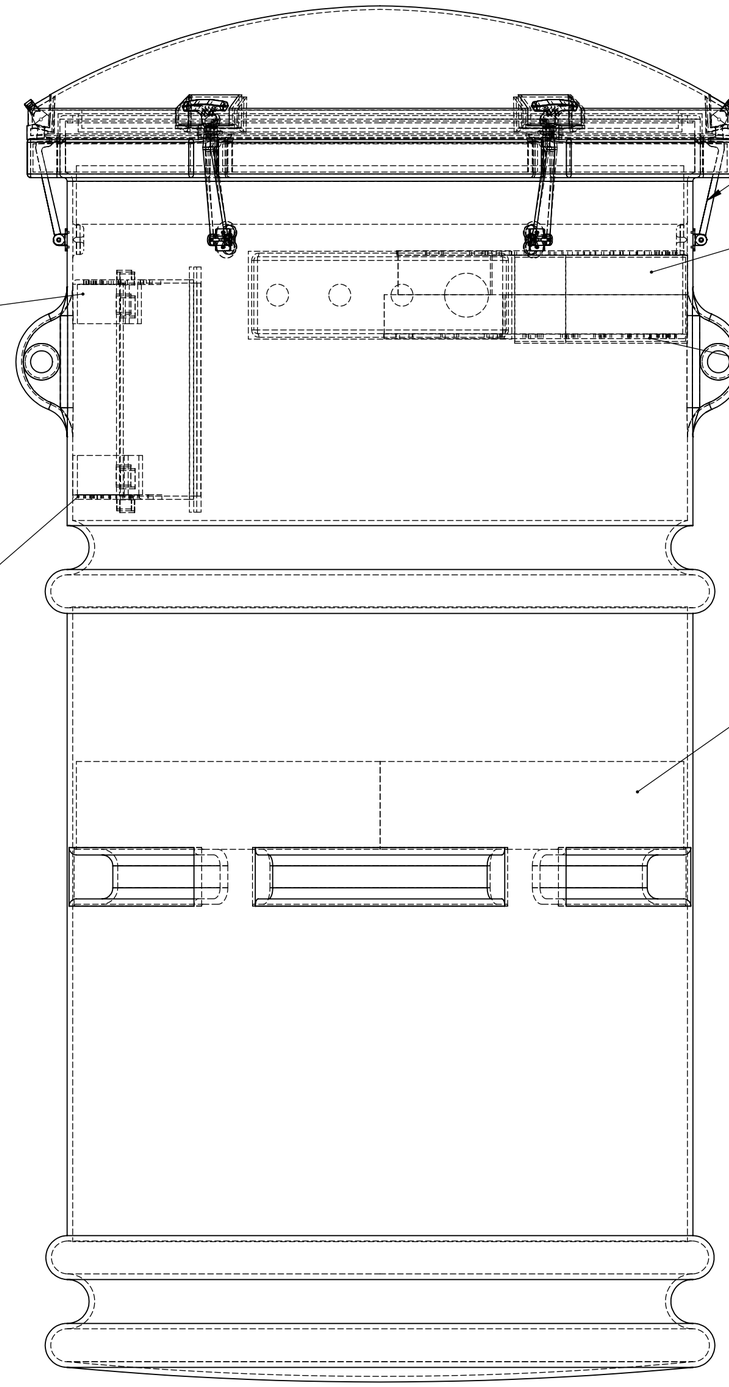
Short Vault 158 lbs HDPE 3/8" thick
Lid for Vault 39 lbs 1/4" wall thickness with 11 lbs PU (2lbs/square foot
Max Height 68.14"
max width 48.25"

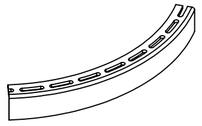
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	MPS	5/1/11
			CHECKED		
			ENG APPR.		
			MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL PE AND PU FOAM	COMMENTS:		
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

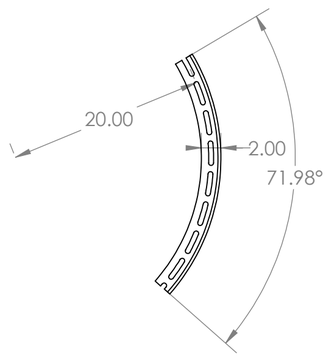
FREEMAN ENGINEERED PRODUCTS, INC.

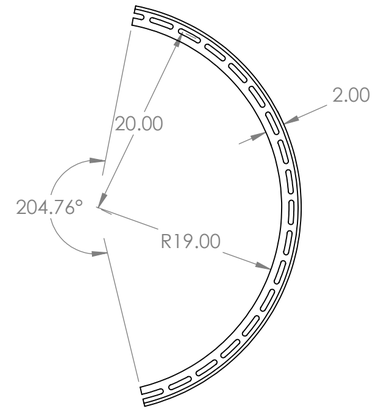
TITLE:

SIZE	DWG. NO.	REV
C	VAULT DRAWINGS 5-1-11	
SCALE: 1:16	WEIGHT:	SHEET 1 OF 4

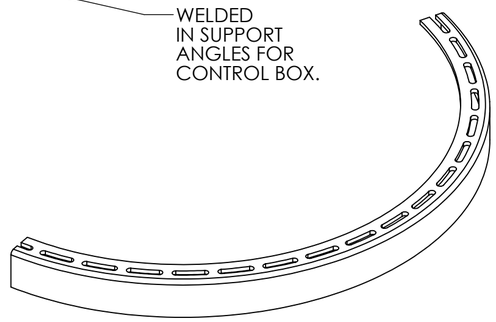








WELDED
IN SUPPORT
ANGLES FOR
CONTROL BOX.



NEXT ASSY	USED ON	
APPLICATION		DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL

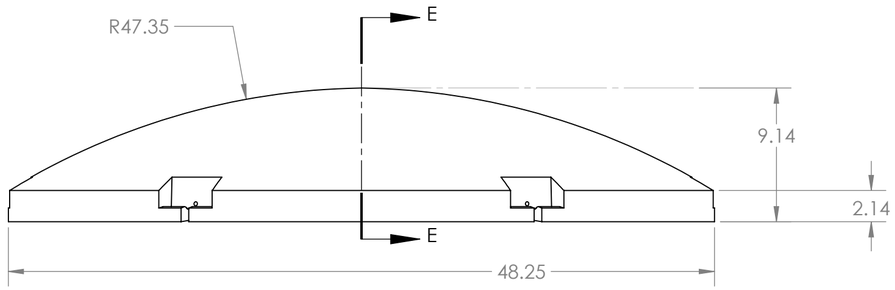
FINISH

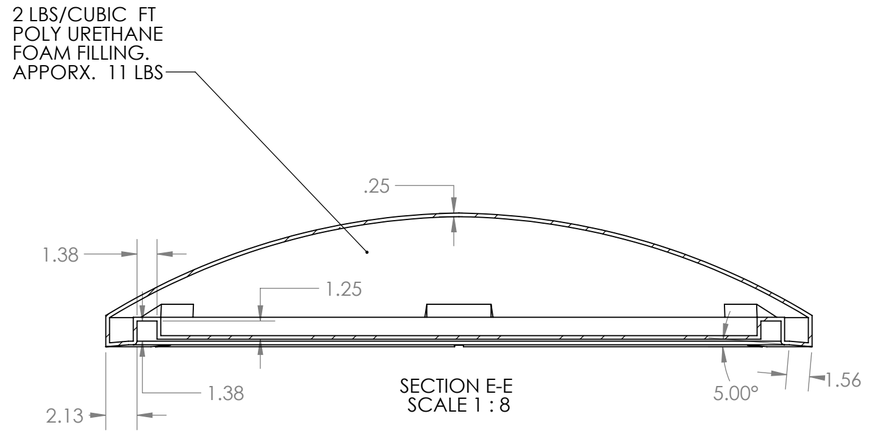
	NAME	DATE
DRAWN	MPS	5/1/11
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

FREEMAN ENGINEERED PRODUCTS, INC.

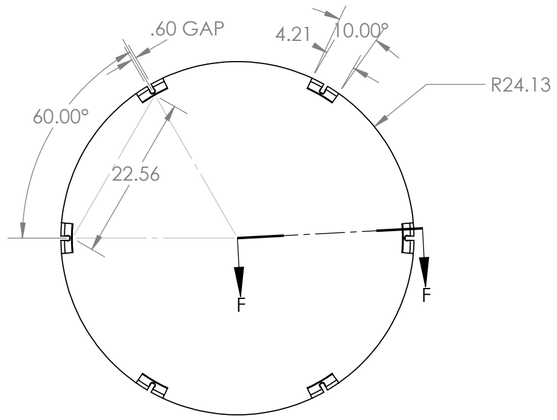
TITLE:

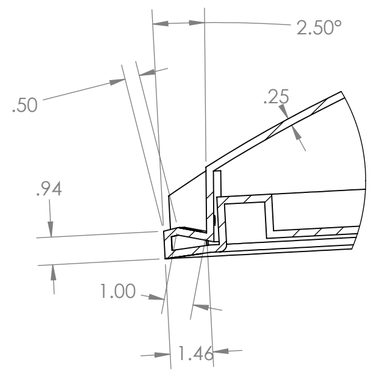
SIZE	DWG. NO.	REV
C	VAULT DRAWINGS 5-1-11	
SCALE: 1:16	WEIGHT:	SHEET 2 OF 4



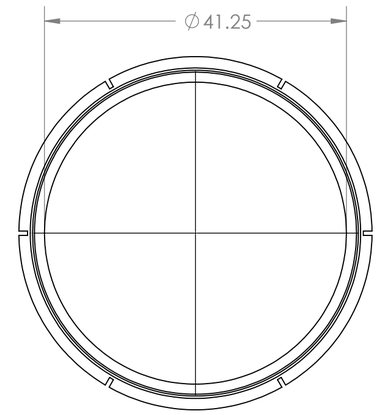


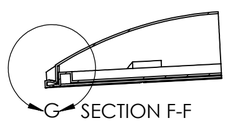
SECTION E-E
SCALE 1 : 8





DETAIL G
SCALE 1 : 4



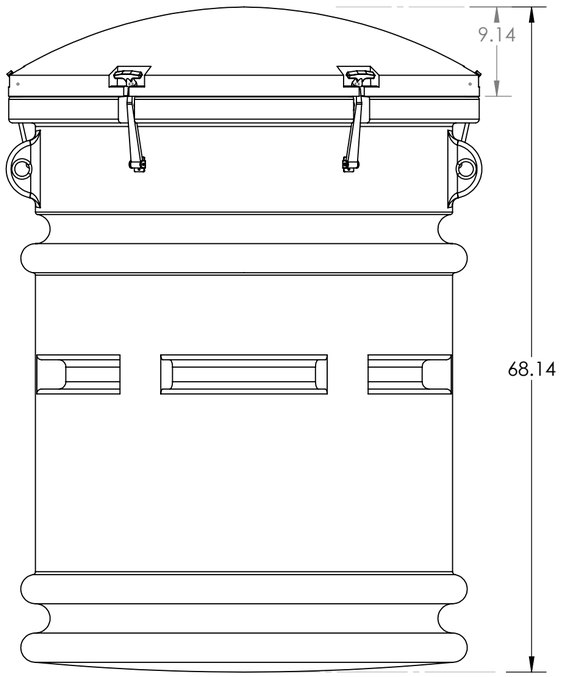


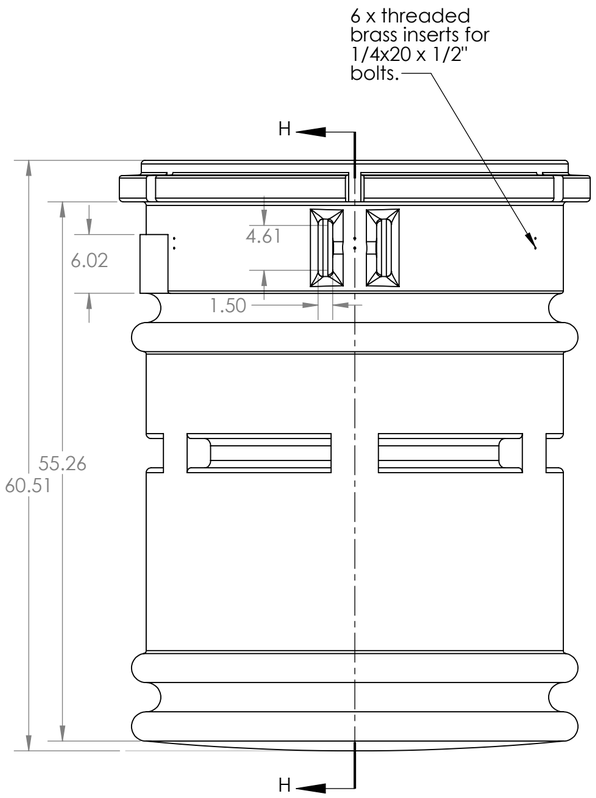
SECTION F-F

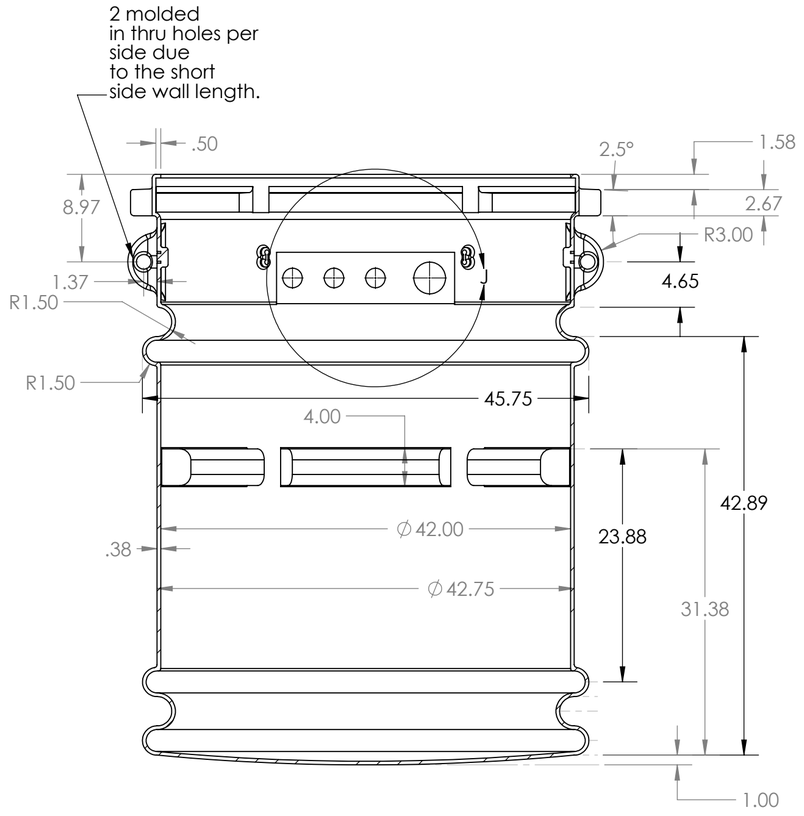
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN		
			CHECKED		
			ENG APPR.		
			MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL PE High Density	COMMENTS:		
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

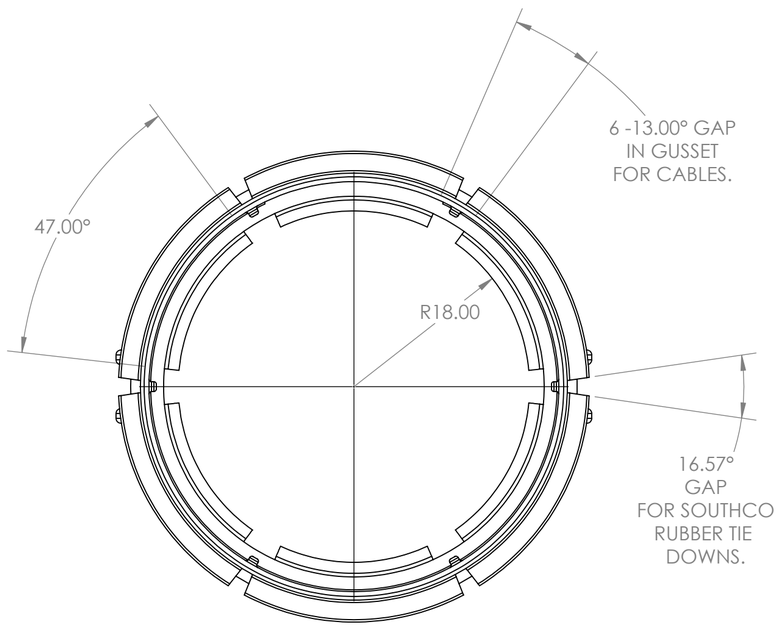
TITLE:

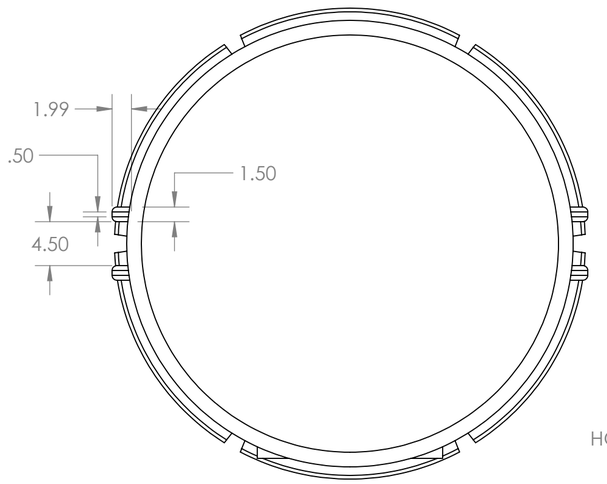
SIZE	DWG. NO.	REV
C	VAULT DRAWINGS 5-1-11	
SCALE: 1:16	WEIGHT: 38.53	SHEET 3 OF 4



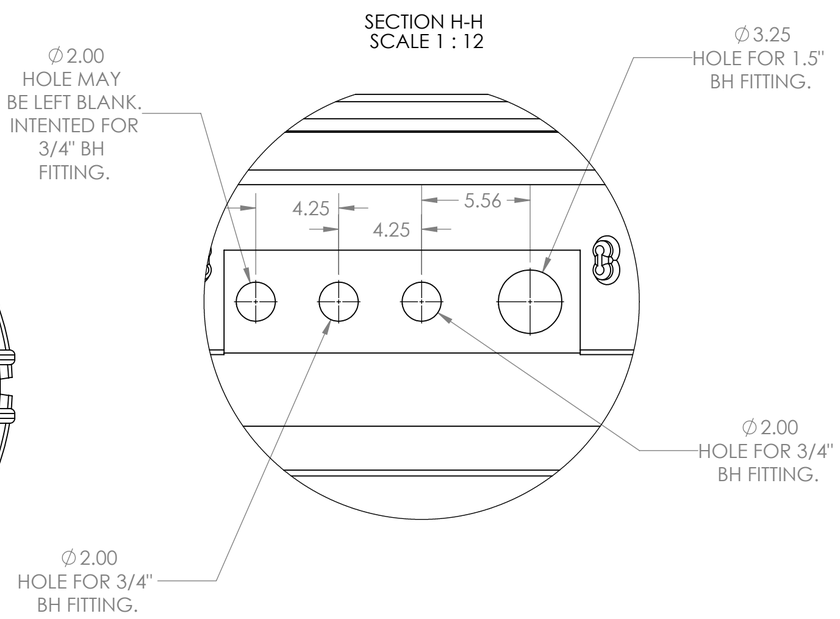








SECTION H-H
SCALE 1 : 12



DETAIL J
SCALE 1 : 6

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	mps	5/1/11
			CHECKED		
			ENG APPR.		
			MFG APPR.		
			Q.A.		
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:		
		MATERIAL PE High Density			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

Freeman Engineered Products, Inc.

TITLE:

SIZE	DWG. NO.	REV
C	VAULT DRAWINGS 5-1-11	

SCALE: 1:16 | WEIGHT: 154.43 | SHEET 4 OF 4