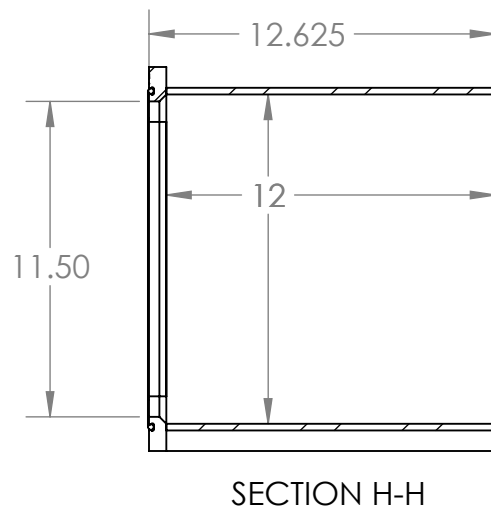
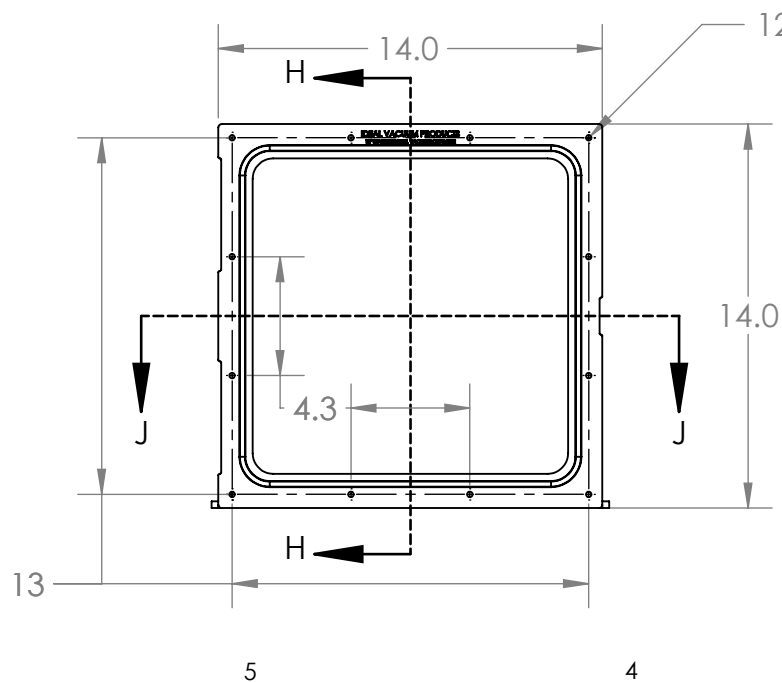
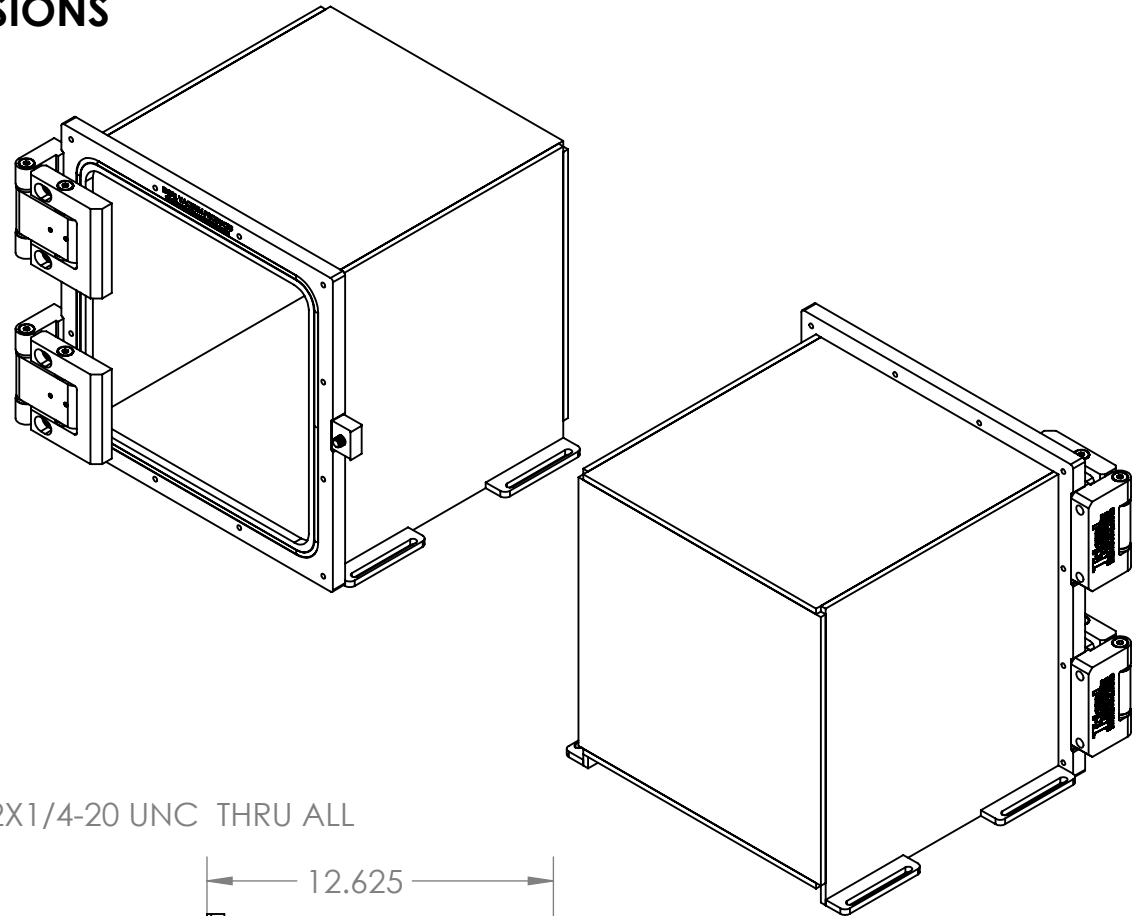
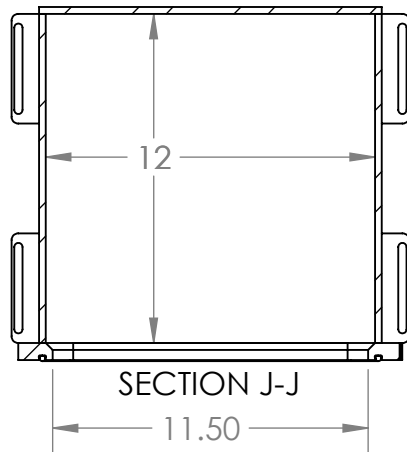


12" WELDED CHAMBERS - BASIC DIMENSIONS



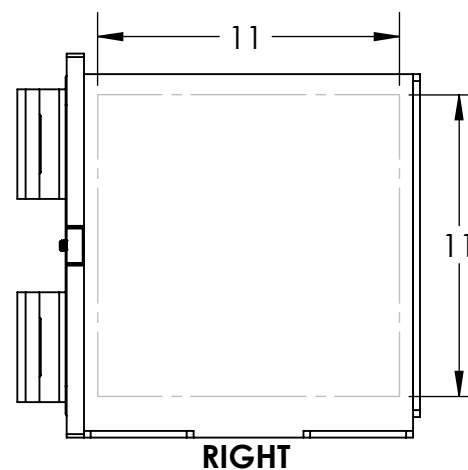
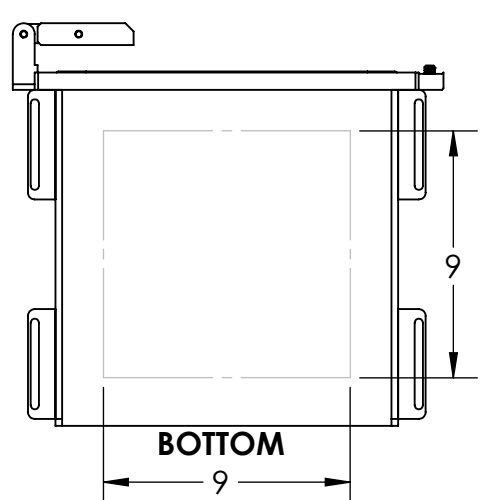
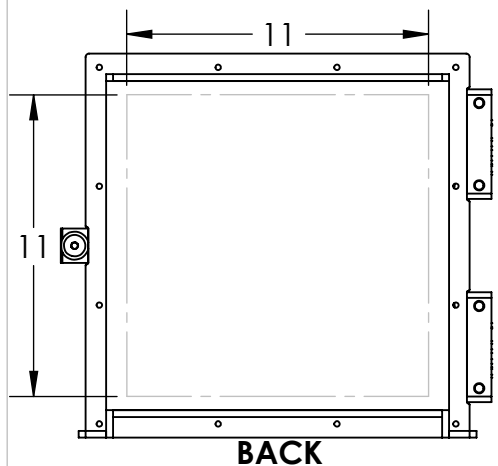
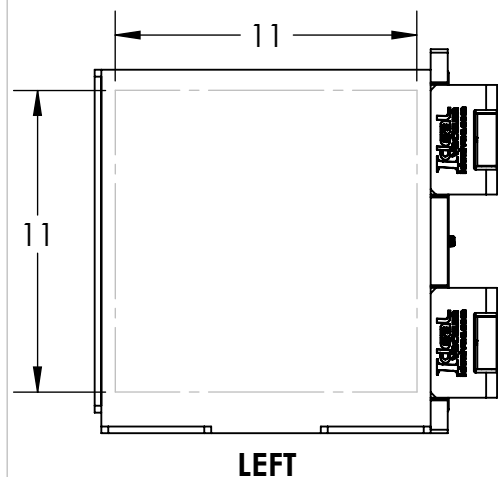
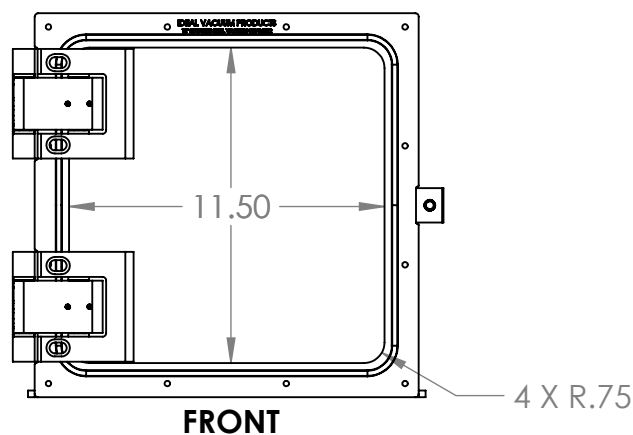
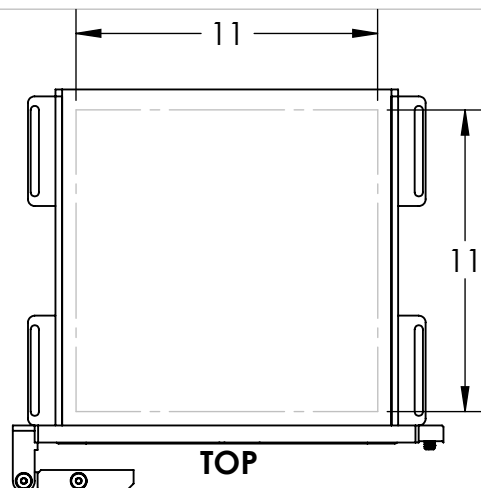
Ideal
vacuum products
(505) 872-0037

CAD REV.	X.4	ANGLES	.X	.XX	.XXX
DWG REV.	A.3	.5	.02	.01	.005
		± °	±	±	±

DASHED LINES INDICATE
PORT-ABLE AREA.

PLEASE KEEP ALL PORTS ENTIRELY
WITHIN THESE LINES UNLESS
OTHERWISE APPROVED BY IDEAL VACUUM.

MARK SIDES OF CHAMBER WITH CIRCLE,
PORT TYPE, AND RELEVANT DIMENSIONS
TO INDICATE PORTING CHOICE.



12" CHAMBERS - STANDARD PORTS AND SIZES:

KF:

KF-10: 1.2" DIAMETER
KF-16: 1.2" DIAMETER
KF-25: 1.6" DIAMETER
KF-40: 2.2" DIAMETER
KF-50: 3.0" DIAMETER

CF:

CF 1.333": 1.4" DIAMETER
CF 2.125": 2.2" DIAMETER
CF 2.750": 2.8" DIAMETER
CF 3.375": 3.4" DIAMETER
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CF 10.00": 10.0" DIAMETER
CF 12.00": 12.0" DIAMETER

NW:

NW-63 : 3.80" DIAMETER
NW-80 : 4.40" DIAMETER
NW-100: 5.20" DIAMETER
NW-160: 7.10" DIAMETER
NW-200: 9.50" DIAMETER
NW-250: 11.5" DIAMETER
NW-320: 14.6" DIAMETER
NW-400: 17.8" DIAMETER

NPT:

1/8" : .7" DIAMETER
1/4" : .8" DIAMETER
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1/2" : 1.1" DIAMETER
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1-1/2" : 2.6" DIAMETER
2" : 3.0" DIAMETER
2-1/2" : 3.8" DIAMETER
3" : 4.3" DIAMETER

ASA:

ASA 1.0" : 4.3" DIAMETER
ASA 1.5" : 5.0" DIAMETER
ASA 2.0" : 6.0" DIAMETER
ASA 3.0" : 7.5" DIAMETER
ASA 4.0" : 9.0" DIAMETER
ASA 6.0" : 11.0" DIAMETER

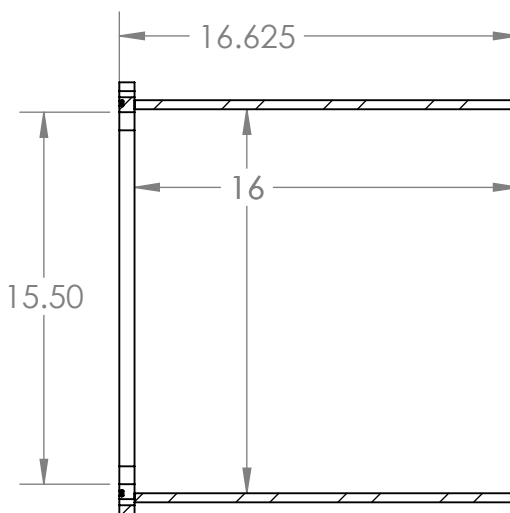
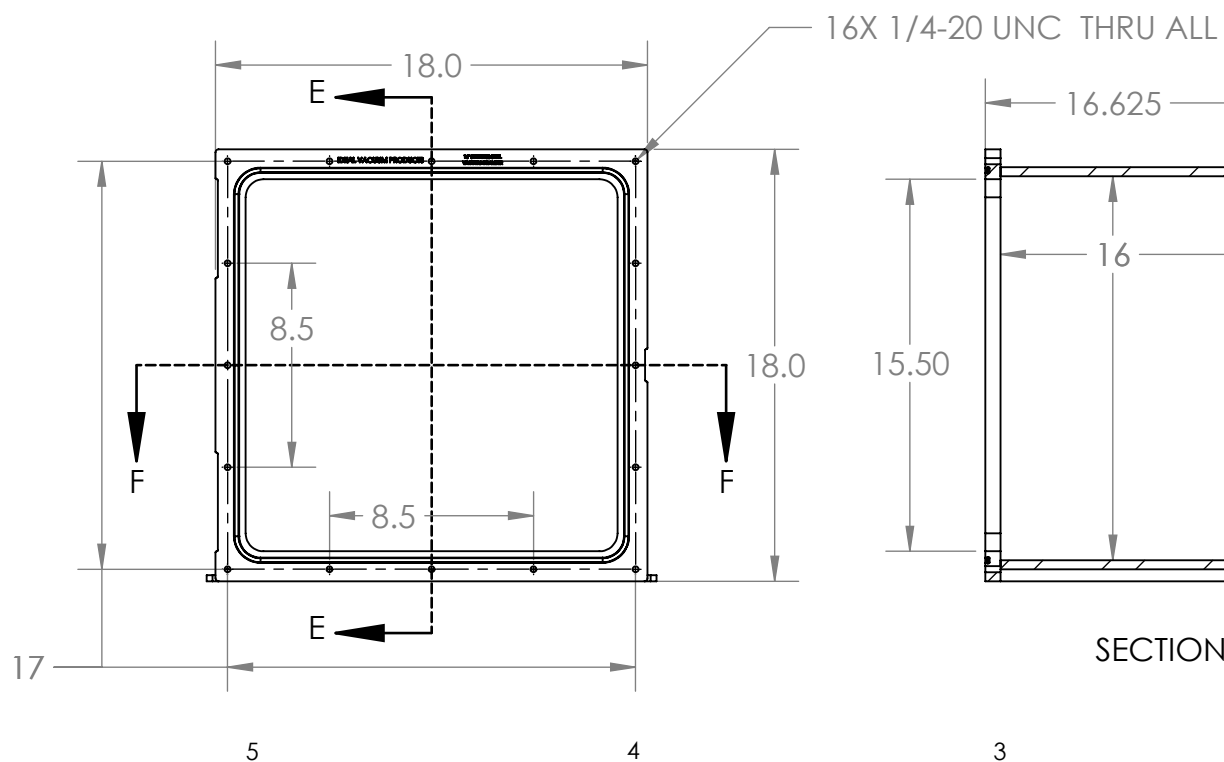
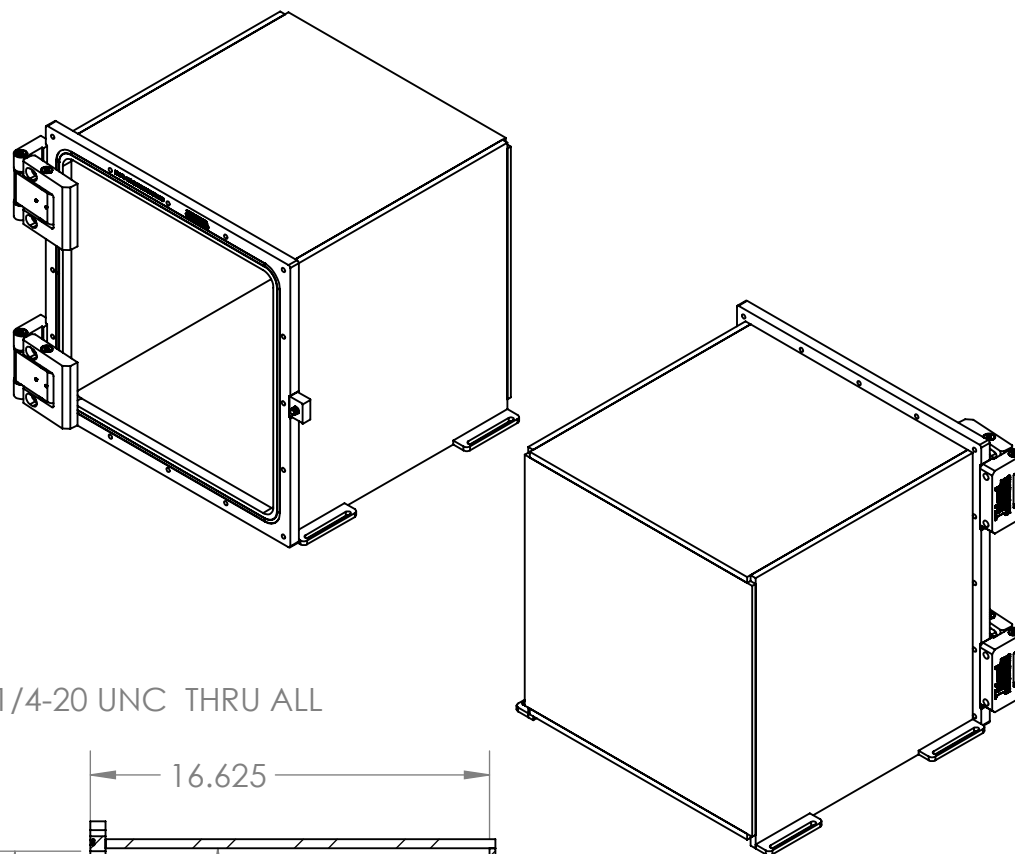
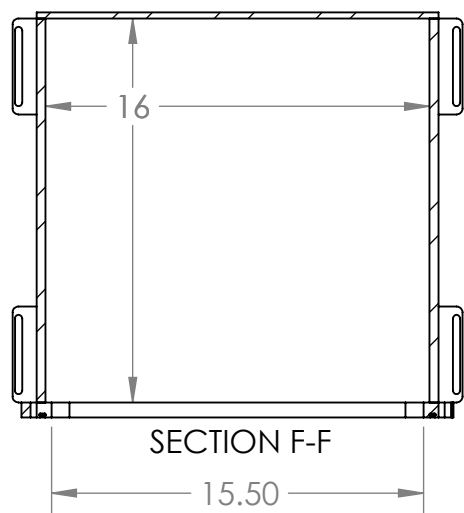
THROUGH HOLE:

SPECIFY A DIAMETER
AND A TOLERANCE



SCALE	1:7	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
CAD REV.	X.4	ANGLES	.X	.XX	.XXX
DWG REV.	A.3	± .5°	± .02	± .01	± .005

16" WELDED CHAMBERS - BASIC DIMENSIONS



SECTION E-E

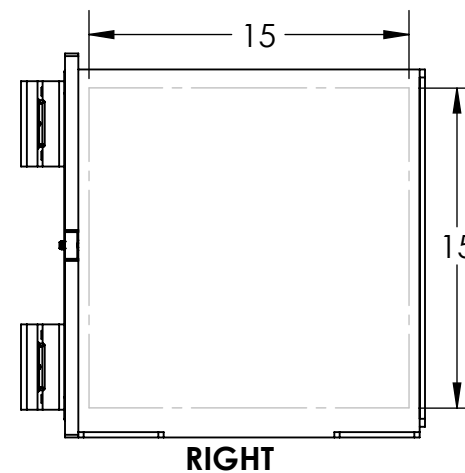
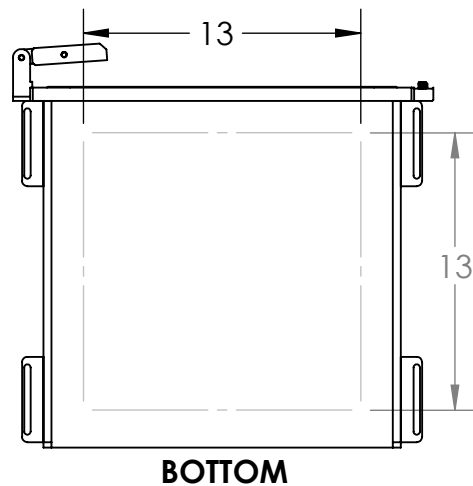
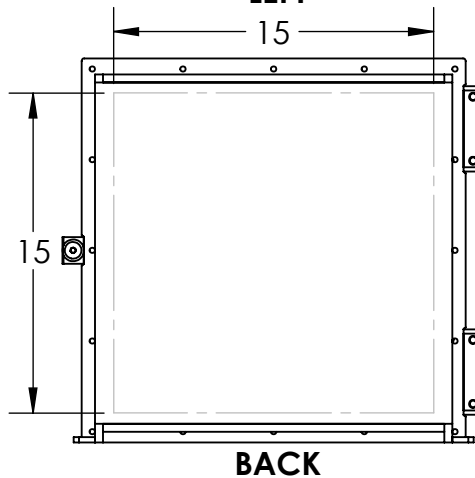
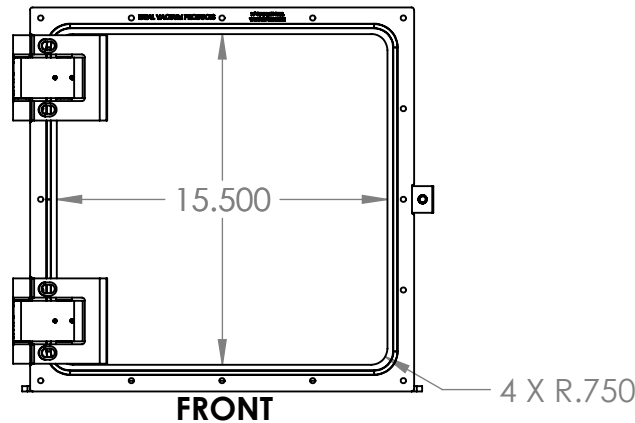
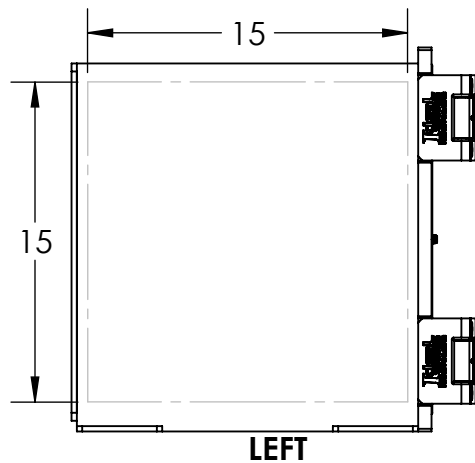
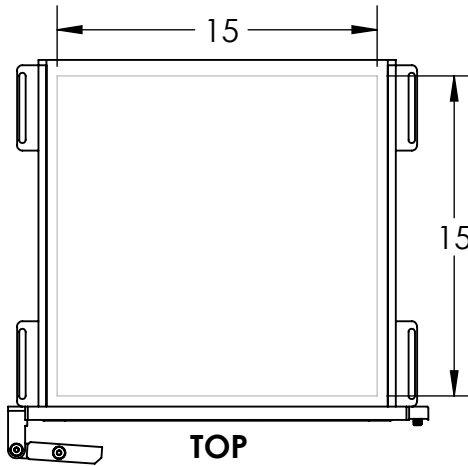


CAD REV.	X.5	ANGLES	.X	.XX	.XXX
DWG REV.	X.1	.5	.02	.01	.005
		± °	±	±	±

DASHED LINES INDICATE
PORT-ABLE AREA.

PLEASE KEEP ALL PORTS ENTIRELY
WITHIN THESE LINES UNLESS
OTHERWISE APPROVED BY IDEAL VACUUM.

MARK SIDES OF CHAMBER WITH CIRCLE,
PORT TYPE, AND RELEVANT DIMENSIONS
TO INDICATE PORTING CHOICE.



16" CHAMBERS - STANDARD PORTS AND SIZES:

KF:

KF-10: 1.2" DIAMETER
KF-16: 1.2" DIAMETER
KF-25: 1.6" DIAMETER
KF-40: 2.2" DIAMETER
KF-50: 3.0" DIAMETER

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CF 1.333": 1.4" DIAMETER
CF 2.125": 2.2" DIAMETER
CF 2.750": 2.8" DIAMETER
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CF 6.750": 6.8" DIAMETER
CF 8.000": 8.0" DIAMETER
CF 10.00": 10." DIAMETER
CF 12.00": 12." DIAMETER

NW:

NW-63 : 3.80" DIAMETER
NW-80 : 4.40" DIAMETER
NW-100: 5.20" DIAMETER
NW-160: 7.10" DIAMETER
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ASA:

ASA 1.0" : 4.3" DIAMETER
ASA 1.5" : 5.0" DIAMETER
ASA 2.0" : 6.0" DIAMETER
ASA 3.0" : 7.5" DIAMETER
ASA 4.0" : 9.0" DIAMETER
ASA 6.0" : 11." DIAMETER

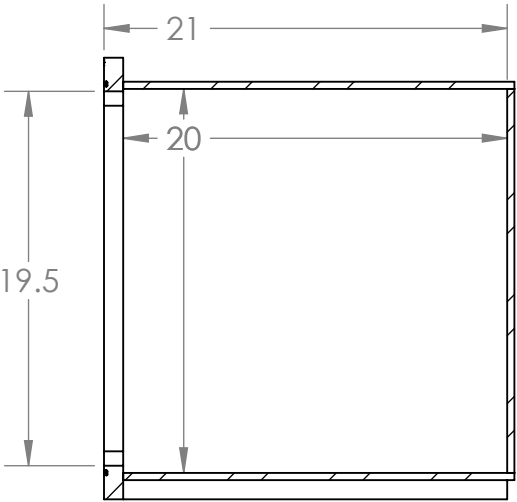
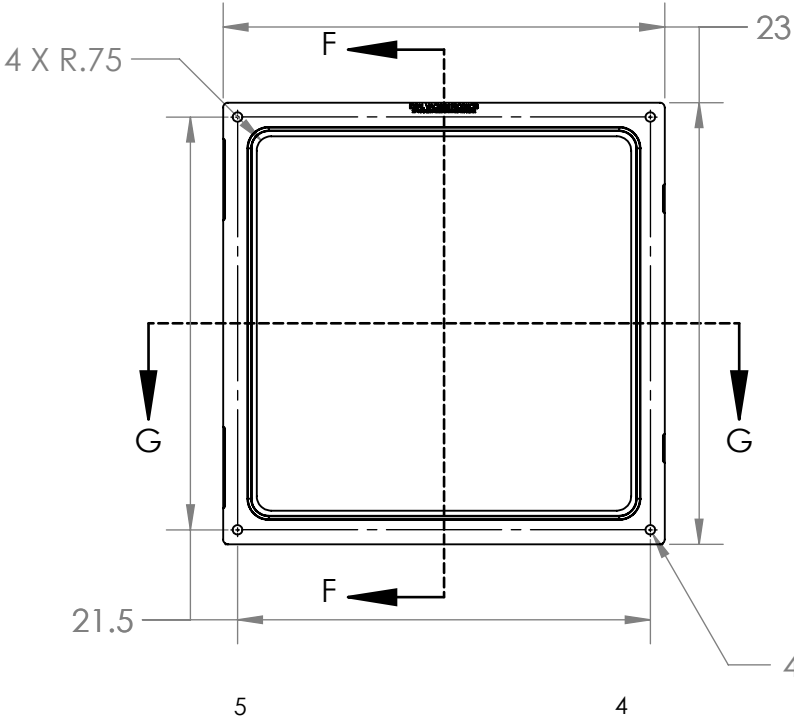
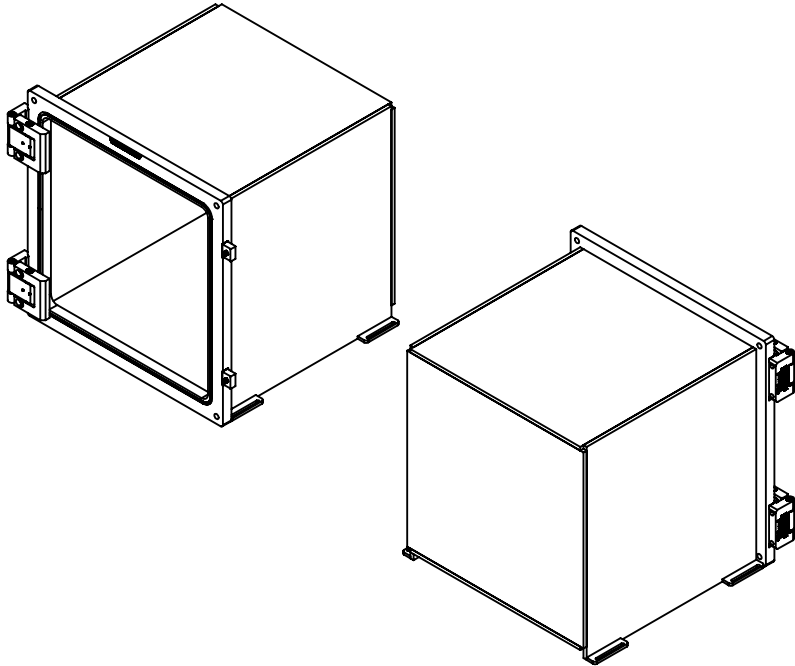
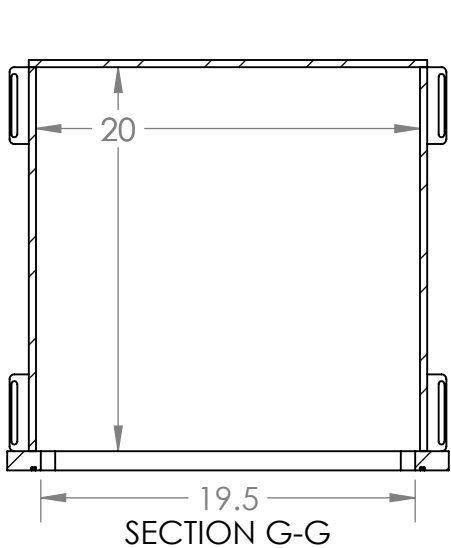
THROUGH HOLE:

SPECIFY A DIAMETER
AND A TOLERANCE



SCALE	1:9	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
CAD REV.	X.5	ANGLES	.X	.XX	.XXX
DWG REV.	X.1	± .5°	± .02	± .01	± .005

20" WELDED CHAMBERS - BASIC DIMENSIONS



SECTION F-F

4X 1/2-13 UNC THRU ALL



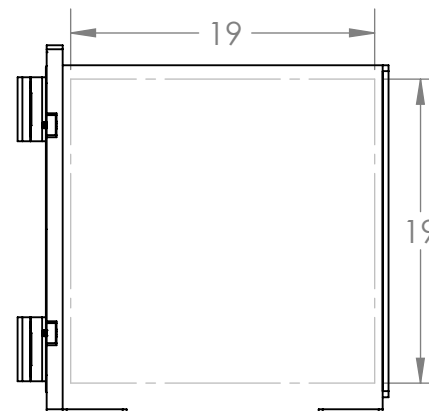
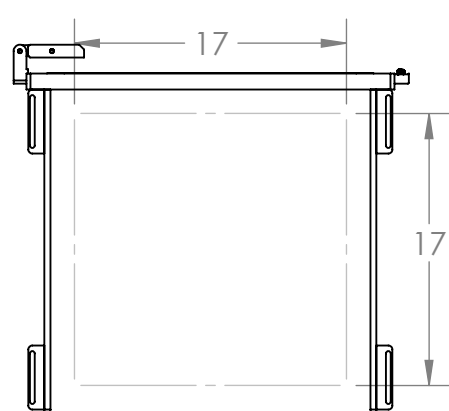
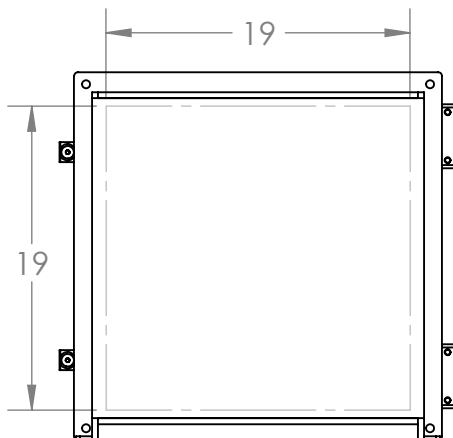
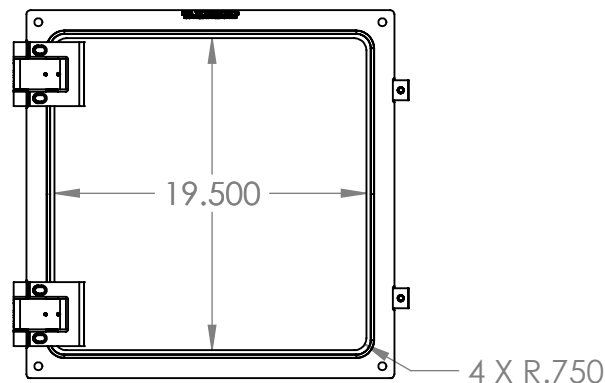
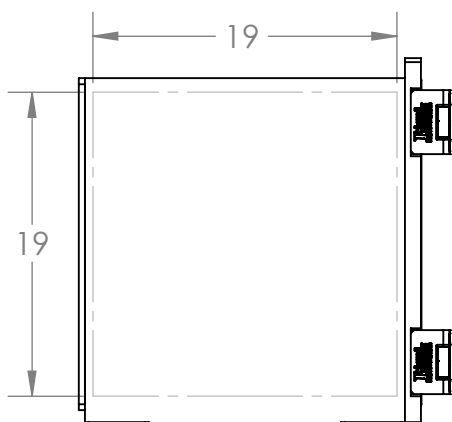
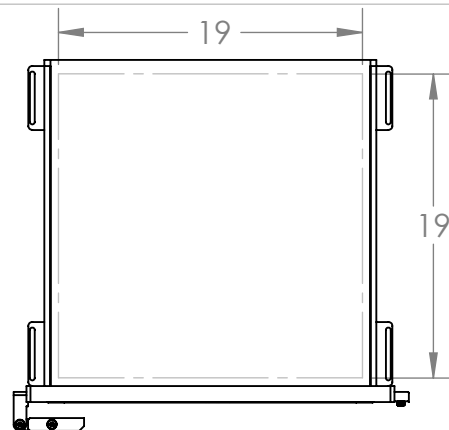
CAD REV. X.5 ANGLES .X .XX .XXX
 DWG REV. X .5 .02 .01 .005

		± °	±	±	±
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DASHED LINES INDICATE
PORT-ABLE AREA.

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MARK SIDES OF CHAMBER WITH CIRCLE,
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TO INDICATE PORTING CHOICE.



20" CHAMBERS - STANDARD PORTS AND SIZES:

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3" : 4.3" DIAMETER

ASA:

ASA 1.0" : 4.3" DIAMETER
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ASA 3.0" : 7.5" DIAMETER
ASA 4.0" : 9.0" DIAMETER
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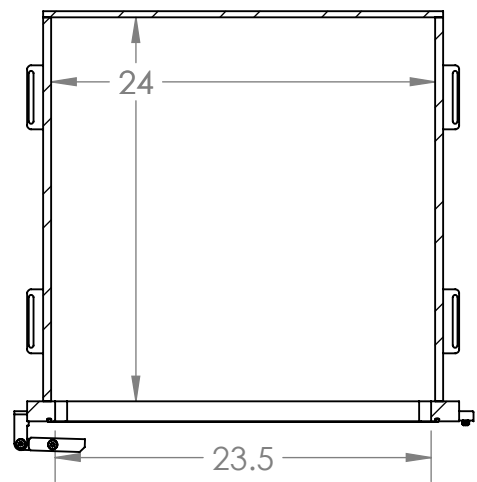
THROUGH HOLE:

SPECIFY A DIAMETER
AND A TOLERANCE

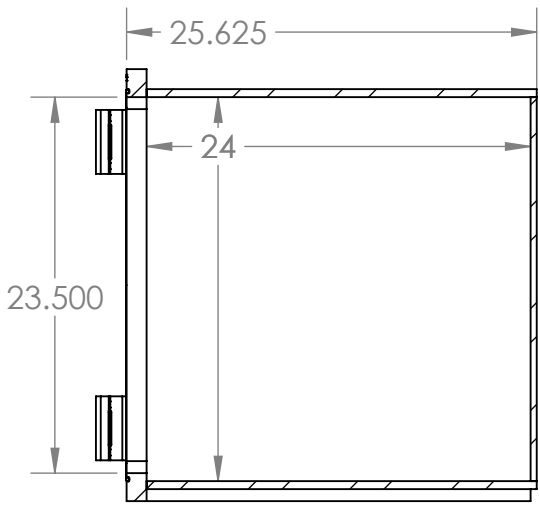
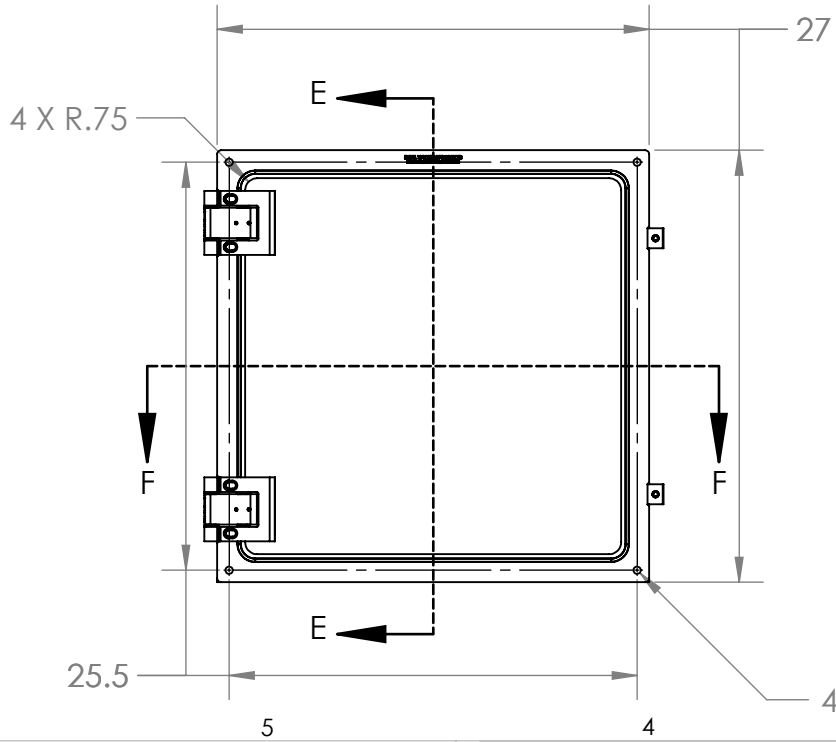
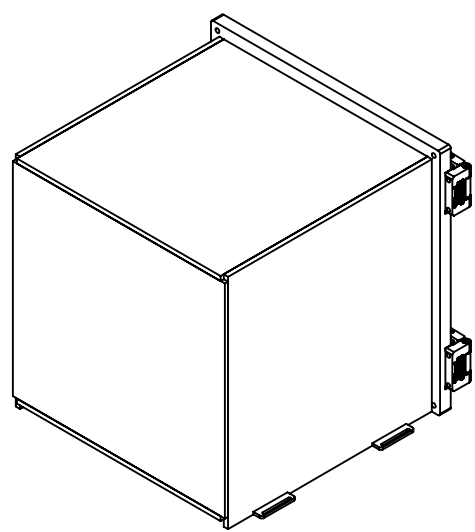
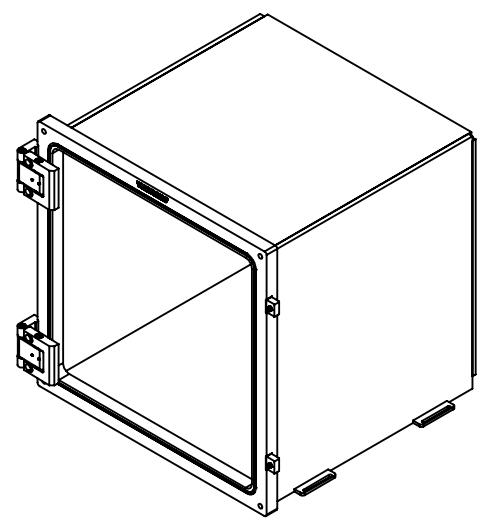


SCALE	1:12	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
CAD REV.	X.5	ANGLES	.X	.XX	.XXX
DWG REV.	X	± .5°	± .02	± .01	± .005

24" WELDED CHAMBERS - BASIC DIMENSIONS



SECTION F-F



SECTION E-E

4X 1/2-20 UNF THRU ALL

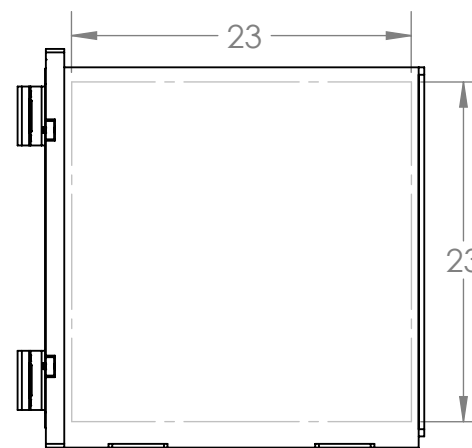
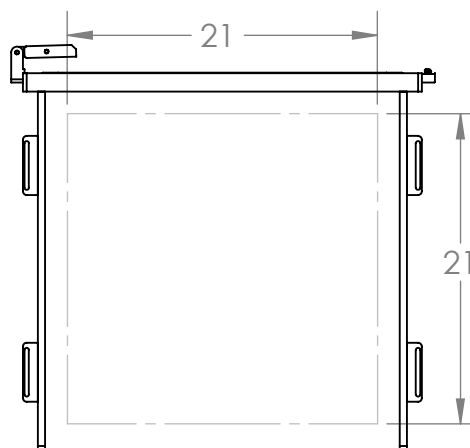
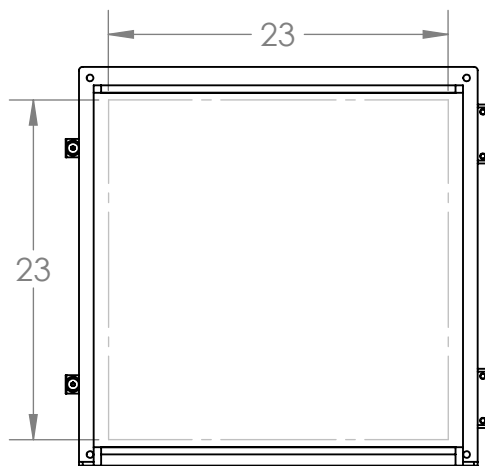
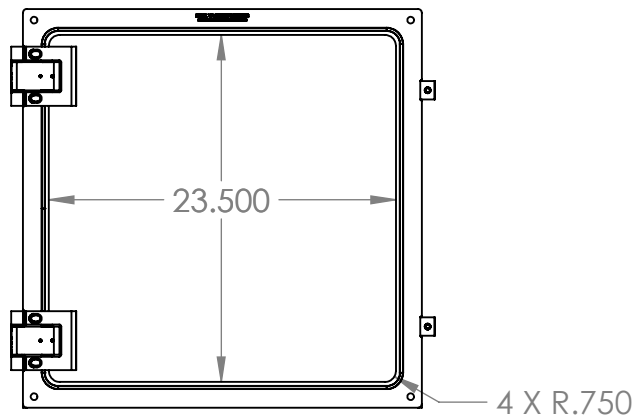
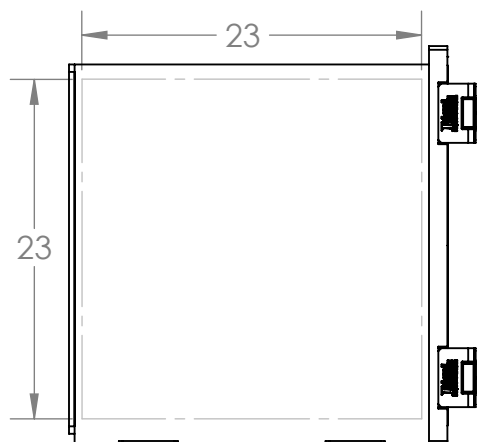
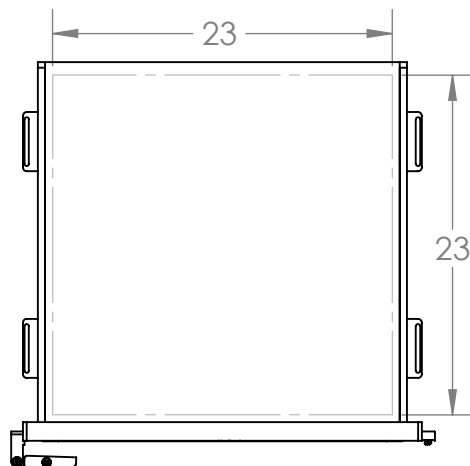


CAD REV.	X.4	ANGLES	.X	.XX	.XXX
DWG REV.	X	.5	.02	.01	.005
		± °	±	±	±

DASHED LINES INDICATE
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PLEASE KEEP ALL PORTS ENTIRELY
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24" CHAMBERS - STANDARD PORTS AND SIZES:

KF:

KF-10: 1.2" DIAMETER
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ASA:

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ASA 3.0" : 7.5" DIAMETER
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THROUGH HOLE:

SPECIFY A DIAMETER
AND A TOLERANCE



SCALE	1:13	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
CAD REV.	X.4	ANGLES	.X	.XX	.XXX
DWG REV.	X	± .5°	± .02	± .01	± .005