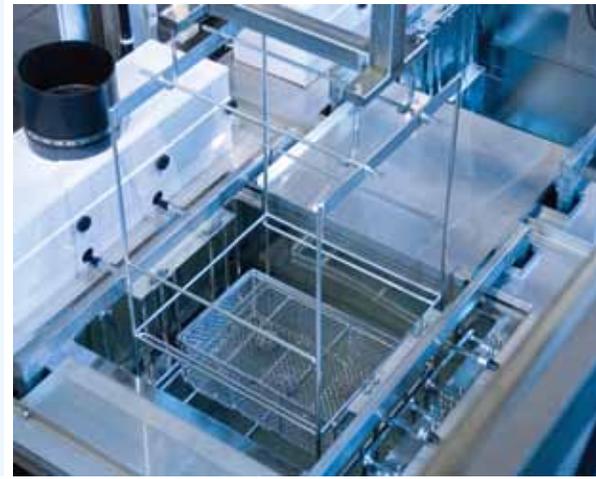




## ULTRASONIC CLEANING SYSTEMS

- Patented Multi-frequency ultrasonic technology
- Up to 7 frequencies available in each tank
- Automated hoist transfer system
- Stainless steel tanks, plumbing, & enclosure
- Thermostatically controlled tank temperature
- Data logging PLC/HMI
- High production/inline design
- Full machine enclosure available



# LEAN AQUARIUS-Series

AQ-3-1218 / AQ-3-1620 / AQ-3-1824 / AQ-3-2027



CLEANING TECHNOLOGIES GROUP

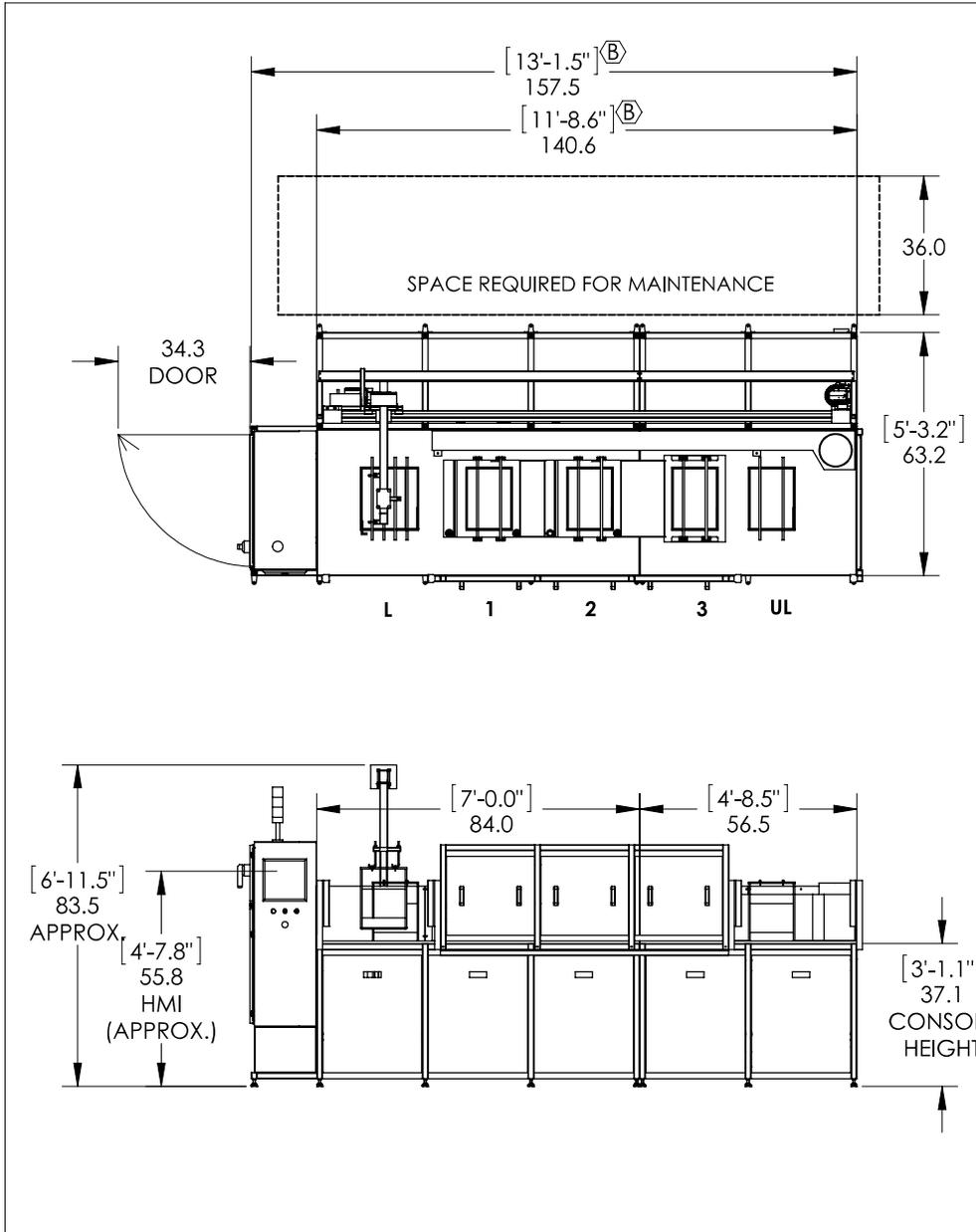
RANSOHOFF • BLACKSTONE-NEY ULTRASONICS • CTG ASIA

MODEL NUMBER	AQ-3-1218	AQ-3-1620	AQ-3-1824	AQ-3-2027
TANK CAPACITY	13 Gal (50 Ltrs)	22 Gal (84 Ltrs)	30 Gal (114 Ltrs)	47 Gal (178 Ltrs)
WORKING ENVELOPE (LxWxH)	305mm x 457mm x 508mm	406mm x 508mm x 457mm	457mm x 610mm x 457mm	508mm x 686mm x 559mm
WORKING ENVELOPE (LxWxH)	12"x18"x20"	16"x20"x18"	18"x24"x18"	20"x27"x22"
MAX PAYLOAD CAPACITY	50 Lbs (per basket)			
ULTRASONIC POWER	900 Watts	1,000 Watts	2,000 Watts	3,000 Watts
HEAT (WET TANKS)	2,000 Watts	4,000 Watts	4,000 Watts	6,000 Watts
DRYER HEAT	8,000 Watts	10,000 Watts	12,000 Watts	12,000 Watts
FOOT PRINT (LxWxH)	1727mm x 787mm x 2160mm	2032mm x 838mm x 2160mm	2184mm x 940mm x 2160mm	2616mm x 947mm x 2160mm
FOOT PRINT (LxWxH)	68" x 31" x 85"	80" x 33" x 85"	86" x 37" x 85"	103" x 36" x 85"

**Blackstone-NEY Ultrasonics**  
 (800) 766-6606  
 P.O. Box 220  
 9 N. Main St.  
 Jamestown, NY 14702-0220  
[www.ctgclean.com](http://www.ctgclean.com)

**Ransohoff**  
 (800) 248-9274  
 4933 Provident Drive  
 Cincinnati, OH 45246

**CTG Asia**  
 (86)0512-66161698  
 56 Songshan Road  
 Suzhou New District  
 Jiangsu Province, China PRC: 215151



**APPROVAL DRAWING**

APPROVED

BY \_\_\_\_\_  
 DATE \_\_\_\_\_  
 APPROVED AS IS   
 APPROVED WITH CHANGES NOTED

REV	DESCRIPTION	DATE	APPROVAL	APPROVAL
	PRODUCTION RELEASE	6/29/12	MJN	KPM
A	ADDED SAFETY FEATURES	7/19/2012	MJN	KPM
B	12" TO 16" ELECTRICAL ENCLOSURE	9/15/12	MJN	

POWER REQUIREMENTS:  
 220V, 3 PHASE, 60Hz (80 AMPS APPROX.)

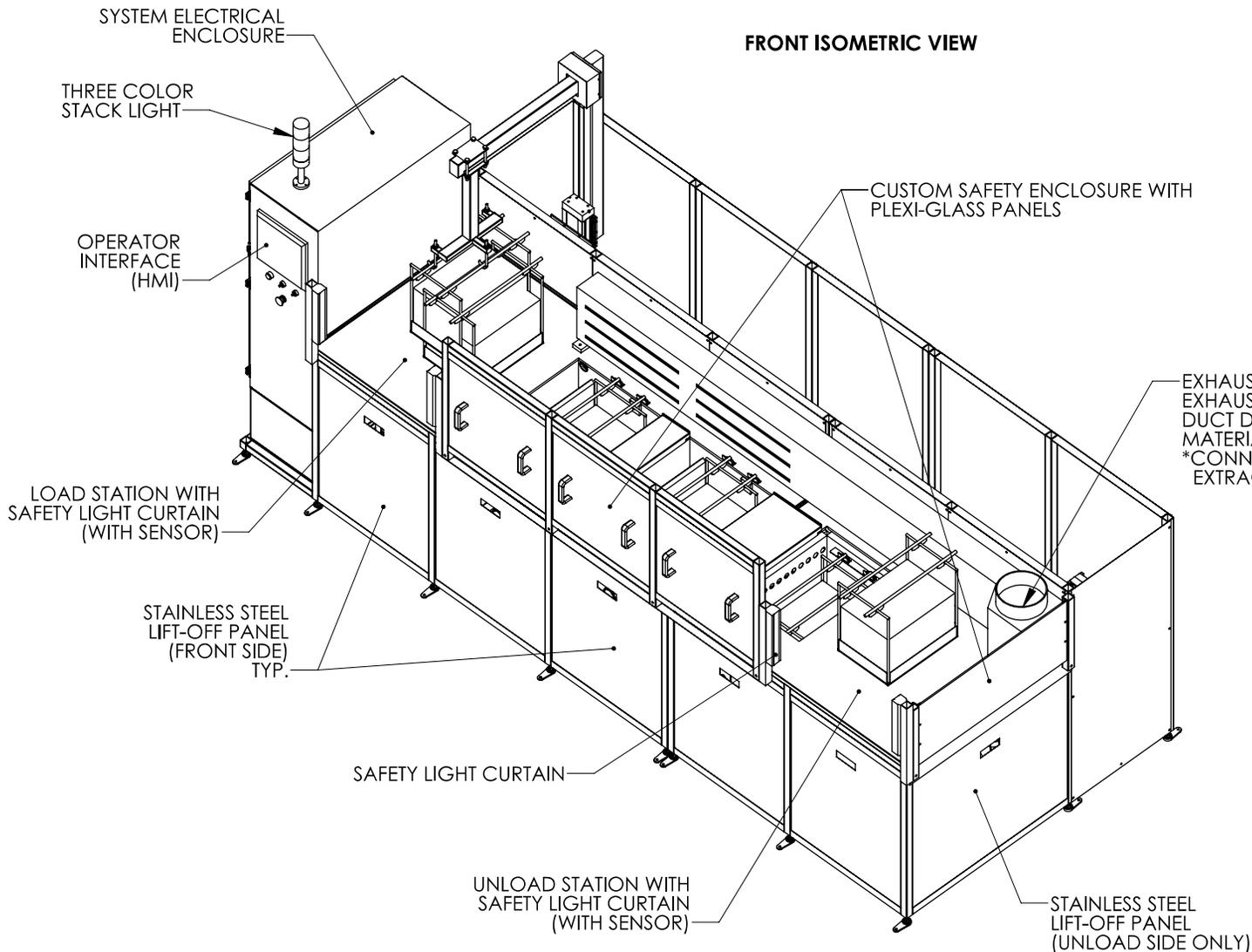
PROCESS STEPS:  
 AQ-3-1620 with CAL-50  
 (L) : LOAD TABLE  
 (1) : ULTRASONIC WASH TANK-1 (25kHz)  
 (2) : ULTRASONIC RINSE TANK-1 (40-72-104kHz)  
 (3) : HOT AIR DRYER  
 (UL): UNLOAD TABLE

- NOTES:
- TANK WORKING DIMENSIONS (APPROX.):  
 16"LR X 20" FB X 14" LIQUID LEVEL
  - THIS DRAWING IS SIMPLIFIED TO SHOW OVERALL DIMENSIONS
  - COMPRESSED AIR SUPPLY OF 2 SCFM @ 80 TO 100 PSI REQUIRED TO OPERATE AUTOMATED LID
  - ALL EXHAUST VENTILATION REQUIREMENTS ARE TO BE MET BY CUSTOMER SUPPLIED POWERED EXTRACTION SYSTEM
  - CAL-50 AUTOMATION WITH MAXIMUM LOAD CAPACITY OF 50 POUNDS
  - REFER TO QUOTE # CU-12-0118-E FOR DETAIL LISTING OF SYSTEM FEATURES AND DESCRIPTION.

DRN: MJN	DATE: 6/29/2012	ENGR: KPM	DATE: 6/29/2012
SCALE: 1:32	DO NOT SCALE DRAWING		
<b>CAD PRODUCED DRAWING</b>			
		THIRD ANGLE PROJECTION THIS DRAWING TO BE INTERPRETED BY ASME Y14.5M 1994	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
TOLERANCE	X	XXX	XXXX
DECIMAL INCH	± .060	± .030	± .015 ± .005 ± .060 ± 1°
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<b>BLACKSTONE~NEY ULTRASONICS</b>			
P.O. BOX 220 JAMESTOWN, NY 14702-0220			
NAME OVERALL ASSEMBLY			
AQ-3-1620 WITH CAL-50			
MATERIAL AS NOTED			
DRAWING NUMBER 12-0607-001			
<b>B FORMAT</b>	REVISION: B	SHEET 1 OF 3	

**APPROVED LEGACY DOCUMENT**

**FRONT ISOMETRIC VIEW**



REV	DESCRIPTION	DATE	APPROVAL	APPROVAL
	PRODUCTION RELEASE	6/28/12	MJN	KPM
A	ADDED SAFETY FEATURES	7/19/2012	MJN	KPM
B	12" TO 16" ELECTRICAL ENCLOSURE	9/15/12	MJN	

**APPROVAL DRAWING**

APPROVED

BY \_\_\_\_\_

DATE \_\_\_\_\_

APPROVED AS IS

APPROVED WITH CHANGES NOTED

DRN: MJN	DATE: 6/29/2012	ENGR: KPM	DATE: 6/29/2012
SCALE: 1:18	DO NOT SCALE DRAWING		
<b>CAD PRODUCED DRAWING</b>			
 THIRD ANGLE PROJECTION		THIS DRAWING TO BE INTERPRETED BY: ASME Y14.5M 1994	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
TOLERANCE	XX	XXX	XXXX
DECIMAL INCH	± .060	± .030	± .015
FRACTIONAL INCH	± .005	± .005	± .005
ANGULAR	± 1°		
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P.O. BOX 220 JAMESTOWN, NY 14702-0220			
NAME OVERALL ASSEMBLY			
AQ-3-1620 WITH CAL-50			
MATERIAL AS NOTED			
DRAWING NUMBER 12-0607-001			
<b>B FORMAT</b>	REVISION: B	SHEET 2 OF 3	

**APPROVED LEGACY DOCUMENT**

**REAR ISOMETRIC VIEW**

REV	DESCRIPTION	DATE	APPROVAL	APPROVAL
	PRODUCTION RELEASE	6/28/12	MJN	KPM
A	ADDED SAFETY FEATURES	7/19/2012	MJN	KPM
B	12" TO 16" ELECTRICAL ENCLOSURE	9/15/12	MJN	

**APPROVAL DRAWING**

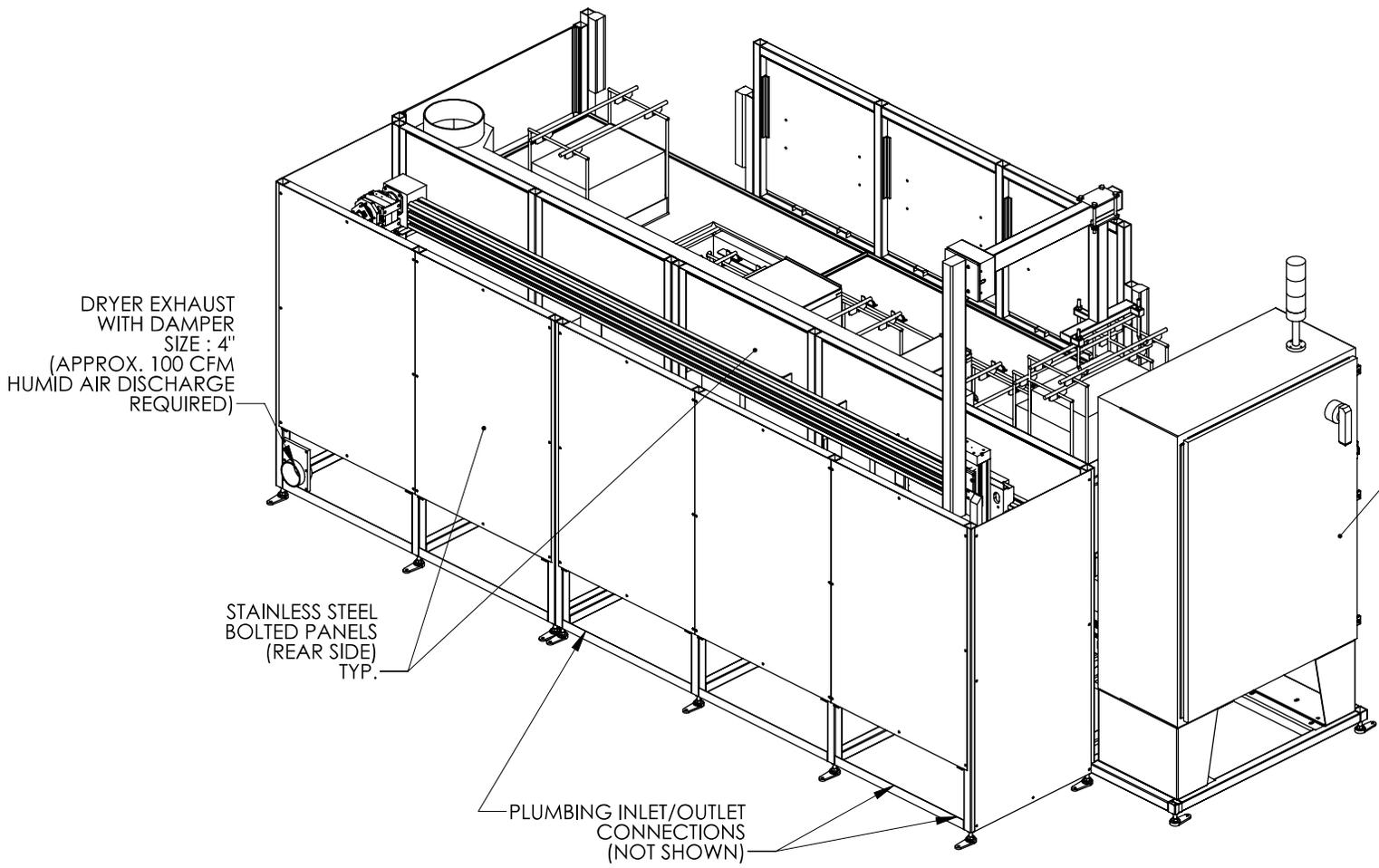
APPROVED

BY \_\_\_\_\_

DATE \_\_\_\_\_

APPROVED AS IS

APPROVED WITH CHANGES NOTED



DRN: MJN	DATE: 6/29/2012	ENGR: KPM	DATE: 6/29/2012
SCALE: 1:16		DO NOT SCALE DRAWING	
<b>CAD PRODUCED DRAWING</b>			
 THIRD ANGLE PROJECTION		THIS DRAWING TO BE INTERPRETED BY ASME Y14.5M 1994	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
TOLERANCE	X		XXX
DECIMAL INCH	± .060	± .030	± .015 ± .005 ± .060 ± 1°
<small>THIS PRINT AND DESIGN AND DETAIL DEVELOPMENT ARE THE PROPERTY OF BLACKSTONE~NEY ULTRASONICS AND ARE SUBMITTED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUBMITTED. IT MUST NOT BE REPRODUCED, REPRODUCED OR OTHERWISE USED IN ANY MANNER OR TRANSMITTED TO THE INTEREST OF BLACKSTONE~NEY ULTRASONICS UNLESS SPECIALLY APPROVED IN WRITING BY BLACKSTONE~NEY ULTRASONICS IN WRITING. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED.</small>			
P.O. BOX 220 JAMESTOWN, NY 14702-0220			
NAME OVERALL ASSEMBLY			
AQ-3-1620 WITH CAL-50			
MATERIAL AS NOTED			
DRAWING NUMBER 12-0607-001			
<b>B FORMAT</b>	REVISION: B	SHEET 3 OF 3	

**APPROVED LEGACY DOCUMENT**