

# **EQUIPMENT** **PROPOSAL**

Pelham Town Offices  
6 Village Green  
Pelham, NH  
03076

Attention: Ms. Marie Maruca

**RFP: New Stationary Compactor**

**1**

COVER LETTER  
CORPORATE PROFILE  
REFERENCES

**2**

COMPLETED BID DOCUMENTS

**3**

DETAILED EQUIPMENT QUOTE

**4**

EQUIPMENT SPECIFICATIONS  
EQUIPMENT PHOTOS

**5**

WARRANTY STATEMENT





April 12, 2016

Town of Pelham  
6 Village Green  
Pelham, NH  
03076  
Attention: Mr. Stan Walczak

**REFERENCE: RFP FOR A NEW TRANSFER STATION COMPACTOR**

Dear Mr. Walczak,

We appreciate the opportunity to submit the enclosed proposal for the purchase of a new transfer station compactor for general waste.

The system that we have offered meet and/or exceed the specifications as listed in the bid documents and we have included a comparison sheet that will clearly outline this. In addition to the bid forms we have included a number of supporting documents including the following:

1. Compactor specification sheet
2. Compactor detailed drawings (sample drawings)
3. Installation photos
4. Client reference list and reference letters
5. W-8BEN form
6. Equipment warranty

We would be happy to make ourselves available for a meeting with town staff to discuss our proposal in greater detail and to answer any questions that may arise. Again thank you for this opportunity.

Yours Sincerely,

Larry A. Vine  
President

# RDI – CORPORATE PROFILE

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## **RDI MISSION STATEMENT**

“TO ASSIST OUR CLIENTS IN THEIR ONGOING EFFORTS TO REDUCE THEIR CARBON FOOT PRINT THROUGH THE DESIGN, FABRICATION AND INSTALLATION OF COST EFFECTIVE AND FULLY INTEGRATED SOLID WASTE HANDLING SYSTEMS.”

## **Competition**

The existing equipment manufacturers in Canada are typically focused on the simple “cookie cutter” approach when it comes to solid waste handling systems. They are only able offer their standard product line; which often lacks any form of systems integration. The overall “fit” is poor and the end-user is not able to maximize the R.O.I.

## **The R.D.I. approach**

- Identify all of the challenges facing our clients including labour, equipment, building envelope restrictions and internal production flow limitations.
- Engineer each individual component of the waste handling system to meet the specific needs of our clients.
- Integrate all of the key components into an efficient and flexible waste handling system that meets our clients’ needs both now and in the future.

Fulfill our role as our clients’ long term waste handling solutions partner.

## **The R.D.I. team**

- Larry A. Vine (President): 25 years of equipment/systems integration and design experience combined with a thorough understanding of the Canadian marketplace.
- Rick Collins (Plant Manager): 26 years of plant management experience including production systems analysis as well as waste handling systems integration and equipment design experience.

## **Market Summary**

- R.D.I. has been active in all sectors of the marketplace including the industrial, commercial, institutional, retail and high rise residential sectors.
- In 1999 when R.D.I. gained control of Tri-Pak Environmental it accounted for less than 2% of the Canadian marketplace.
- From 1999 to 2013 annual sales increased by an astounding 500%.

## RDI – CORPORATE PROFILE

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- R.D.I.'s clients include many high profile companies that are located in Canada, the United States and many emerging countries. For example:
  - - Canadian Tire Corporation, Shoppers Drug Mart, Staples, Lowe's Canada
  - - LCBO (Liquor Control Board of Ontario), Brewers Retail, Target Canada
  - - Nestle Canada/Nestle Waters Canada, Ford of Canada, Honda Manufacturing
  - - Burj Khalafi, Dubai UAE (world's tallest building)
  - - 1 King Street West, Toronto (world's thinnest building)
  - - New York City Transit
- R.D.I. continues to be the "Trend Setter" in Canada through ongoing R & D into areas such as control systems and equipment design.



## THE R.D.I. ADVANTAGE

- Fully integrated systems design approach.
- In house design team with 80 years of combined industry experience.
- State of the art systems components.
- Complete solid waste management and processing turnkey solutions.
- After sales technical support.
- Complete operator training programs available to ensure compliance with local governing authorities.
- Pre-start health and safety reviews available.
- 60,000 square feet of state of the art manufacturing space.
- ANSI compliant designs.
- OSHA compliant designs.
- UL certified controls.
- CSA certified controls.
- Ongoing preventative maintenance programs.

# REACTION NEWS

REACTION DISTRIBUTING INC.

SEPTEMBER 1, 2009

## TURNKEY WASTE HANDLING SYSTEMS

Reaction Distributing Inc. is a Canadian based steel fabricator that specializes in custom designed, solid waste handling systems for the retail, commercial, institutional, industrial and municipal sectors.

Our approach to systems design and integration is simple. Firstly we listen to our clients concerns and issues with respect to their existing system(s). Secondly we analyze all of the costs associated with the present system to determine the maximum R.O.I. for the clients. Thirdly, we engineer a piece of equipment or an entire process system to enable the R.O.I. target to be achieved. Fourthly we fabricate the equipment, install it and provide on site training on each piece of equipment listed in the overall

scope of work. Lastly we provide on going technical support during the warranty period and beyond to ensure that the financial targets outlined in point #2



**Three stream municipal transfer station.**

are achieved and that the equipment provides many years of problem free service.

The R.D.I. "total systems" approach enables us to design sys-

tems that accommodate the entire waste stream including recyclables such as plastics, glass, metals, fibers and organics.

For more information on how Reaction Distributing Inc. can assist you and your company with controlling your on going waste handling costs please contact one of our technical sales representatives.

Tel: (905) 426-6442

Fax: (905) 426-5925

E-mail: [lvine@balers.ca](mailto:lvine@balers.ca)

Web: [www.balers.ca](http://www.balers.ca)

## WASTE HANDLING EQUIPMENT SAFETY

Reaction Distributing Inc. manufactures all of its equipment with safety as a key ingredient. Each baler and compactor meets ANSI, OSHA, UL and CSA safety guidelines and electrical requirements.

The PLC based designs offer

state of the art performance while ensuring that the operators are protected 100% of the time against a personal injury.

Access to the interior of all R.D.I. Balers and compactors is restricted and the operator is protected through the use of

safety screens, safety gates, light curtains, positive acting interlocks, dual safety circuits and hold to run operator interfaces.

At R.D.I. We realize that a safe design is an efficient design and an efficient design is a cost effective design.





## Waste Initiative



In the spring of 2012, Custodial Services installed two waste compactors one at the Schmon Tower loading dock, the other at Mackenzie Chown G Block. These waste compactors are design to compact waste therefore reducing the frequency of trips by the waste hauler resulting in operational savings. Custodial Services and Sodexo staff are the main users of these compactors.

The waste compactors were purchased from Reaction Distributing Inc. The Tower compactor has a capacity of 28 cubic yards and requires service (emptied) every two weeks, previous waste containers were serviced daily. This unit has a sealed container reducing odours and controls wildlife in this area.

The waste compactor at Mackenzie Chown G Block is smaller, it has a capacity of 8 cubic yards and requires service (emptied) weekly, the previous container was serviced daily.

### Facts

- The university produces approximately 470,000 kgs of waste yearly which is sent to landfill.
- The Schmon Tower waste station generates approximately 140,000 kgs of waste annually.
- The Mackenzie Chown waste station generates approximately 26,500 kgs of waste annually.
- The Tower compactor has a compaction force of 50,000 lbs.
- The Mackenzie Chown compactor has a compaction force of 28,000 lbs.



### Cost/Savings

- The Tower waste compactor cost \$30,000 with a pay back period of 4 years.
- The Mackenzie Chown waste compactor cost \$15,000 with a pay back period of 4 years.

**Brock**  
University

Facilities Management





**MATHESON CONSTRUCTORS**

April 8<sup>th</sup>, 2015

To whom it may concern;

We are the General Contractor for the Canborough Waste Management facility whereby Reaction Distribution (Balers) provided compactor equipment for the main waste transfer building.

Reaction Distribution exceeded our needs and offered expert resources to improve the specified equipment with owner accepted options which improved production for the end user. Additionally, their explicit knowledge and understanding were beneficial in meeting our timelines for installation.

Matheson Constructors would recommend Reaction Distribution for any future compactor installations.

Sincerely,

Michael Card, CET, GSC  
Project Manager  
Matheson Constructors  
Phone: (905) 669-7999 Ext. 336

**Matheson Constructors Limited**

350 Creditstone Road, Suite 201, Concord, ON L4K 3Z2  
[www.mathesonconstructors.com](http://www.mathesonconstructors.com)

***Firm Foundations Visionary Building***

Tel: (905) 669-7999 Fax: (905) 669-0268

# CARROLL CARMAN

Hartsville/Trousdale County Mayor  
210 Broadway, Room 5  
Hartsville, Tennessee 37074  
Telephone: (615) 374-2461  
Fax: (615) 374-3948  
[htcexec@gmail.com](mailto:htcexec@gmail.com)

Debbie Jenkins  
Executive Assistant/Office Manager  
[htcexec@gmail.com](mailto:htcexec@gmail.com)

Linda Gammons  
Office Assistant  
[gammonslinda@yahoo.com](mailto:gammonslinda@yahoo.com)



Rene' Pridemore  
Accounts Payable/Payroll  
[renepridemore@comcast.net](mailto:renepridemore@comcast.net)

Leah Verville  
Administrative Assistant/  
Human Resources  
[lcjverville@gmail.com](mailto:lcjverville@gmail.com)

January 30, 2015

Mr. Larry Vine  
Reaction Distributing, Inc.  
1260 Terwillegar Ave., Unit #1  
Oshawa, Ontario L1J7A5

Dear Mr. Vine:

Enclosed please find a check in the amount of \$40,350.00 for the purchase of a compacter and containers for our convenience center.

I realize we have had some "hiccups" in completing our business transaction with you. However, I wanted to take this opportunity to thank you for the effort you made to provide us with a product that meets our expectations. We are abundantly pleased with our equipment and would certainly welcome the opportunity to do business with you again.

Best regards,

Carroll Carman  
County Mayor

Form **W-8BEN**

(Rev. February 2014)

Department of the Treasury  
Internal Revenue Service**Certificate of Foreign Status of Beneficial Owner for United States Tax Withholding and Reporting (Individuals)**

► For use by individuals. Entities must use Form W-8BEN-E.  
► Information about Form W-8BEN and its separate instructions is at [www.irs.gov/formw8ben](http://www.irs.gov/formw8ben).  
► Give this form to the withholding agent or payer. Do not send to the IRS.

OMB No. 1545-1821

**Do NOT use this form if:**

Instead, use Form:

- You are NOT an individual . . . . . W-8BEN-E
- You are a U.S. citizen or other U.S. person, including a resident alien individual . . . . . W-9
- You are a beneficial owner claiming that income is effectively connected with the conduct of trade or business within the U.S. (other than personal services) . . . . . W-8ECI
- You are a beneficial owner who is receiving compensation for personal services performed in the United States . . . . . 8233 or W-4
- A person acting as an intermediary . . . . . W-8IMY

**Part I Identification of Beneficial Owner (see instructions)**

<b>1</b> Name of individual who is the beneficial owner <u>REXION DISTRIBUTING INC.</u>	<b>2</b> Country of citizenship <u>CANADIAN</u>
<b>3</b> Permanent residence address (street, apt. or suite no., or rural route). Do not use a P.O. box or in-care-of address. <u>19 BRACK ST., APT. 2, ONTARIO, CANADA, L1S 1S9</u>	
City or town, state or province. Include postal code where appropriate.	Country
<b>4</b> Mailing address (if different from above)  City or town, state or province. Include postal code where appropriate.	
<b>5</b> U.S. taxpayer identification number (SSN or ITIN, if required (see instructions))	<b>6</b> Foreign tax identifying number (see instructions)
<b>7</b> Reference number(s) (see instructions)	<b>8</b> Date of birth (MM-DD-YYYY) (see instructions)

**Part II Claim of Tax Treaty Benefits (for chapter 3 purposes only) (see instructions)**

**9** I certify that the beneficial owner is a resident of CANADA within the meaning of the income tax treaty between the United States and that country.

**10** Special rates and conditions (if applicable—see instructions): The beneficial owner is claiming the provisions of Article of the treaty identified on line 9 above to claim a \_\_\_\_\_ % rate of withholding on (specify type of income): \_\_\_\_\_

Explain the reasons the beneficial owner meets the terms of the treaty article: \_\_\_\_\_

**Part III Certification**

Under penalties of perjury, I declare that I have examined the information on this form and to the best of my knowledge and belief it is true, correct, and complete. I further certify under penalties of perjury that:

- I am the individual that is the beneficial owner (or am authorized to sign for the individual that is the beneficial owner) of all the income to which this form relates or am using this form to document myself as an individual that is an owner or account holder of a foreign financial institution,
- The person named on line 1 of this form is not a U.S. person,
- The income to which this form relates is:
  - (a) not effectively connected with the conduct of a trade or business in the United States,
  - (b) effectively connected but is not subject to tax under an applicable income tax treaty, or
  - (c) the partner's share of a partnership's effectively connected income,
- The person named on line 1 of this form is a resident of the treaty country listed on line 9 of the form (if any) within the meaning of the income tax treaty between the United States and that country, and
- For broker transactions or barter exchanges, the beneficial owner is an exempt foreign person as defined in the instructions.

Furthermore, I authorize this form to be provided to any withholding agent that has control, receipt, or custody of the income of which I am the beneficial owner or any withholding agent that can disburse or make payments of the income of which I am the beneficial owner. I agree that I will submit a new form within 30 days if any certification made on this form becomes incorrect.

Sign Here

Signature of beneficial owner (or individual authorized to sign for beneficial owner)

Date (MM-DD-YYYY)

Print name of signer

Capacity in which acting (if form is not signed by beneficial owner)

For Paperwork Reduction Act Notice, see separate instructions.

Cat. No. 25047Z

Form **W-8BEN** (Rev. 2-2014)







## **REQUEST FOR PROPOSAL**

### **The Town of Pelham and the Transfer Station Seeks Proposals for: New Stationary Compactor**

**ACCEPTANCE DEADLINE:** April 19, 2016 by (2:00p.m.)

**RFP COORDINATOR:** Stan Walczak  
603-508-8932  
[swalczak@pelhamweb.com](mailto:swalczak@pelhamweb.com)

**SEALED ENVELOPES MUST BE MARKED:**

**RFP- New Stationary Compactor  
Attention: Stan Walczak, Director**

**RFP DELIVERY:**

**Proposals may be mailed to Town of Pelham, 6 Village Green, NH 03076, or hand delivered to the Pelham Board of Selectmen Administrative Assistant, Marie Maruca, Pelham Town Offices, 6 Village Green, Pelham, NH 03076.**

**Reservation of Rights:**

The Town of Pelham reserves the right to reject all or part of any or all proposals, to waive technical or legal deficiencies, and to accept any proposal that it deems to be in the best interest of the Town.

**References:**

The proven durability and reliability of any products to be used is of the utmost concern. Each bidder submitting a proposal must furnish references and any warranties on any major components and materials to be used. Also at a minimum at least three references shall be submitted along with the proposal on past projects.

**Proprietary Information:**

Trade secrets or proprietary information submitted by a bidder in connection with this solicitation may not be subject to disclosure under New Hampshire law under provisions of NH RSA 91A; however, the bidder must invoke the protections of this section prior to or upon submission of the data or other materials, and must clearly identify the data or materials to be protected and state the reasons why protection is necessary. Bidders shall not mark sections of their proposals as proprietary if they are to be part of the award of the contract and are of Material nature.

**Authority to Bind Firm in Contract:**

Bids MUST give full firm name and address of bidder. Failure to manually sign a bid may disqualify it. The person-signing bid should show TITLE OR AUTHORITY TO BIND FIRM IN A CONTRACT. Firm name and authorized signature must appear on bid.

**Correction or Withdrawal of Bids and Cancellation of Awards under Competitive Sealed Bidding:**

Correction or withdrawal of inadvertently erroneous proposals before or after, or cancellation of awards or contracts based on such proposal mistakes, shall be permitted at the Town's discretion. After acceptance of proposals, no changes in proposed prices or other provisions of proposals prejudicial to the interest of the Town or fair competition shall be permitted. Except as otherwise provided by regulation, all decisions to permit corrections or withdrawal of bids, or to cancel awards or contracts based on errors or omissions, shall be supported by a written determination made by the Town Administrator or his or her representative. No proposal may be withdrawn when the result would be to award the contract on another proposal of the same bidder or of another bidder in which the ownership of the withdrawing bidder is more than five percent. If a proposal is withdrawn, the lowest remaining proposal shall be deemed the low proposal. If the Town Administrator or a designee of such denies the withdrawal of a proposal, he shall notify the bidder in writing stating the reasons for his decision.

## **Scope of Services:**

The Town is seeking proposals to supply a new Stationary Compactor. General Specifications as listed below or comparable to them.

Charging Box Capacity:	6.50 cu.yd.
Hopper width:	60 inches
Hopper length	100.50 inches
Ram Height	30.5 inches
Ram Penetration	15.00 inches
Compactor Weight	15,000 lbs.

### **Ram Details**

1 inch thick ram face plate with 1 ½ inch thick stiffener plates

Ram base is ½ inch A.R. plate with 3 inch channels @24 inch spacing

Ram top is 3/8 inch plate with 3 inch channels @ 12 inch spacing

Ram sides are ¼ inch formed plate with 8 inch channel verticals at rear

Additional ram face stiffener tubes and 4x3 tube longitudinal top stiffeners

### **Packer Fabrication Details**

½ inch thick A.R. floor plate with 4 inch channels @12 inch spacing

3/8 inch thick side plates with 4x3 tube vertical stiffeners and 3x2 tube horizontal stiffeners

Top rail is 5x3 x1/4 tube and bottom rail is 4x4 x3/8 angle-gusseted

Breaker bar is 8x8x1 angle

2-8 inch channels (22.8#) with diagonal tube bracing provide rear stability

11 gauge top deck sheet

Additional side stiffeners

12 inch surrounding hopper with 8 inch channel (22.8#)breaker bar backing

1 inch thick breaker bar bottom plate

### **Electrical-Hydraulic**

Motor hp : 30hp , Motor rpm: 1800, voltage 230/480 3-phase 60-hz

Pump GPM: 27.00, Auxiliary GPM: 42.00 Pump Type Hi-Lo Gear

Cylinders: 2 Alignment Straight, Bore: 6.0, Rod: 4.50, Stroke: 120

PSI REG: 1,850, PSI Maximum 2,170, Ram Force: 104,600, Max Ram Force 122,700

Ram force PSI 57.16, Ram Max PSI 67.05, Cycle time sec. 39, Cubic yd. per HR 383

Tank 270 gal, control circuit: 110 volts, Ram cycle control: limit switch.

## References

**Project Name:** MATHIESON CONSTRUCTORS,

**Contact Name:** MICHAEL CARD

**Contact Number:** (905) 669-7999 x 336

**Brief Description of Project:** DESIGN / BUILD / INSTALL A  
14 CUBIC YARD SOLID WASTE TRANSFER STATION  
COMPACTOR

**Project Name:** IKER MFLU WAREHOUSE

**Contact Name:** STC CONSTRUCTION: ERIK COLLINGS

**Contact Number:** (416) 917-8894

**Brief Description of Project:** DESIGN / BUILD / INSTALL 3X 4 CU.  
YD. STATIONARY TRASH COMPACTORS FOR THE IKER  
WAREHOUSE

**Project Name:** LOWES COMPANIES CANADA

**Contact Name:** GREG OSINGA

**Contact Number:** (416) 988-0736

**Brief Description of Project:** BUILD / INSTALL / MAINTAIN  
STATIONARY COMPACTORS & BALETTS @ 35 LOWE'S STORES  
ACROSS CANADA.





**The Town Of Pelham, NH  
Request for Proposal**

**Legal Notice:**

The Town of Pelham is currently seeking proposals for a new Stationary Compactor. The proposal is to include all material and construction of Stationary Compactor as listed in provided specifications.

Bid specifications can be obtained from the Town website at [www.pelhamweb.com](http://www.pelhamweb.com). All **sealed** submissions are due by Tuesday, April 19, 2016 (2:00pm). Proposals may be mailed or hand delivered to Pelham Board of Selectmen Administrative Assistant, Marie Maruca, Pelham Town Offices, 6 Village Green, Pelham, NH 03076. The Town of Pelham reserves the right to reject any or all proposals on any basis and without disclosure of reason.

TRANSFER STATION 12-17-75



# Reaction Distributing Inc.

## ESTIMATE #160414R1

19 Brock Street

Ajax, Ontario

L1S 1S9

Tel: (905) 426-6442

Fax: (905) 426-5925

**TO:**

Town of Pelham

Attention: Mr. Stan Walczak

### JOB DESCRIPTION

RFP for a new stationary trash compactor

QUANTITY	DESCRIPTION	UNIT COST	TOTAL COST
1	Model TP-99N stationary compactor Clear top opening: 104" x 60" 2 x 6" diameter cylinders 1 x 30 hp power unit c/w hi-lo upgrade Ram penetration: 30" 15' hose assemblies attached to power unit UL approved panel Keyed power on switch Power on light 75% and 100% full light e-stop system reset multi-cycle operation included	\$66,939.00 included included included included included included included included included included included included included included	\$66,939.00 included included included included included included included included included included included included included included
1	Freight to Town of Pelham site Town staff to off-load Townstaff to complete the installation of the compactor Start-up and training by Town staff	\$2,500.00	\$2,500.00
Sub-total			\$69,439.00
TOTAL ESTIMATED JOB COST			\$69,439.00

This is an estimate only, not a contract. This estimate is for completing the job described above. It does not include the cost to install or connect any electrical services to or from the equipment listed above. It is based on the drawings and specifications provided.

Larry A. Vine

April 14, 2016

DATE





# TRANSFER STATION COMPACTOR COMPARISON SHEET

DESCRIPTION	MODEL TP-99N	RFP SPECIFICATIONS	MODEL TP-99N ADVANTAGE
Manufacturer's rating	5.7 cubic yards	6.5 cubic yards	
WASTEC equivalency	4.86 cubic yards	3.98 cubic yards	22% larger charge chamber volume = less cycles to fill container
Clear top opening	104" x 60"	100.5" x 60"	
Loading area	6,240" sq.	6,030" sq.	3% larger loading area = easier loading
Ram height	36"	30.5"	5.5" taller ram = more waste compacted with each ram cycle
Compaction force:	113,000 lbs. (N)	104,600 lbs. (N)	8% greater force = heavier payloads & less truck trips
Compaction force	135,000 lbs. (M)	122,700 lbs. (M)	10% greater force = heavier payloads & less truck trips
System pressure	2,000 psi (N)	1,850 psi (N)	
System pressure	2,200 psi (N)	2,000 psi (N)	
Ram face pressure	62.8 psi (N)	57.16 psi (N)	10% greater force = denser loads
Ram face pressure	75 psi (N)	67.05 psi (N)	12% greater ram penetration = denser payloads
Ram penetration	30"	15"	greater ram penetration = denser payloads
Cycle time	42 seconds	39 seconds	
Hourly displacement	416 cubic yards	367 cubic yards	based on WASTEC equivalency charge chamber volume
Hydraulic cylinder	2 x 6" x 4.5" x 128" stroke	2 x 6" x 4.5" x 120" stroke	
Motor size	30 hp	30 hp	
Pump capacity	45/15 gpm hi-lo	42/17 gpm hi-lo	
Hydraulic reservoir	300 gallons	270 gallons	larger oil reservoir provides a large heat sink to cool oil
Compactor shell floor	1/2" AR400	1/2" AR plate	
Compactor shell sides	3/8" x 44W	3/8" steel plate	
Breaker bar	12" x 12" x 1.5" welded angle	8" x 8" x 1" angle	stronger breaker bar

# TRANSFER STATION COMPACTOR COMPARISON SHEET

DESCRIPTION	MODEL TP-99N	RFP SPECIFICATIONS	MODEL TP-99N ADVANTAGE
Main side rail stiffener	6" x 4" x 1/4" HSS	5" x 3" x 1/4" HSS	
Side stiffeners	5" x 4" x 1/4" formed channel	4" x 3" HSS	
Main vertical frame	6" x 4" x 1/4" HSS	4" x 3" HSS	
Ram face	1" x 44W	1" steel	
Ram floor	1/2" AR400	1/2" AR plate	
Ram sides	1/4" x 44W	1/4" steel plate	
Ram top	3/8" x 44W	3/8" steel plate	
Ram hold downs	2" x 2" square bar	not specified	
Main panel	PLC based operating system	not specified	
Main panel features	keyed power on switch	not specified	
	container 75% full light	not specified	
	container 100% full light	not specified	
	emergency stop button	not specified	
	system reset	not specified	
	multi-cycle operation	not specified	
	UL approved parts/design	not specified	
	current sensor/pressure regulation	not specified	
Overall length	302"	not specified	
Overall width	78"	68"	
Overall deck height	48"	48"	
Shell shipping weight	18,986 lbs.	15,000 lbs.	
Power unit weight (full)	6,500 pounds	not specified	



# TRI-PAK TP SERIES COMPACTORS

## MECHANICAL

	TP 99	TP 99XHD	TP 220	TP 220XHD
CHARGE CHAMBER VOLUME	5.66	5.66	10.62	10.62
CHARGE CHAMBER OPENING SIZE	104" x 78"	104" x 78"	127" x 78"	127" x 78"
RAM FACE SIZE	80" x 36"	80" x 36"	80" x 36"	80" x 36"
RAM PENETRATION	30"	30"	30"	30"
COMPACTION FORCE NORMAL	113,000 lbs	153,860 lbs	113,000 lbs	153,860 lbs
COMPACTION FORCE MAXIMUM	135,000 lbs	184,632 lbs	135,000 lbs	184,632 lbs
CYCLE TIME	40 seconds	40 seconds	40 seconds	40 seconds
SYSTEM PRESSURE NORMAL	2000 psi	2000 psi	2000 psi	2000 psi
SYSTEM PRESSURE MAXIMUM	2400 psi	2400 psi	2400 psi	2400 psi
PUMP CAPACITY	HI-LO 100 gpm	HI-LO 100 gpm	HI-LO 100 gpm	HI-LO 100 gpm
MOTOR SIZE	50 hp	50 hp	50 hp	50 hp
CYLINDER SIZE	2 x 6"	2 x 7"	2 x 6"	2 x 7"
CYLINDER TYPE	Double Acting	Double Acting	Double Acting	Double Acting
RAM FACE PRESSURE NORMAL	47.1 psi	53.4 psi	47.1 psi	53.4 psi
RAM FACE PRESSURE MAXIMUM	56.5 psi	64.1 psi	56.5 psi	64.1 psi
OIL TANK CAPACITY	300 gal	300 gal	300 gal	300 gal
SHIPPING WEIGHT	25,400 lbs	28,950 lbs	28,320 lbs	31,250 lbs

## ELECTRICAL

CONTROL SYSTEM	110 VOLT 60 CYCLE POWERED BY STEP-DOWN TRANSFORMER
CONTROL PANEL	FULLY WIRED. KEYED START BUTTON, EMERGENCY STOP, FULL LIGHT, RESET BUTTON, PLC, CURRENT SENSOR
POWER	208/230/575 VOLT, 3 PHASE 60 CYCLE

## DIMENSIONS

	A	B	C	D	E
TP 99	302"	48"	97"	108"	80"
TP 99XHD	302"	48"	97"	108"	80"
TP 220	340"	54"	97"	127"	80"
TP 220XHD	340"	54"	97"	127"	80"

## STANDARD FEATURES

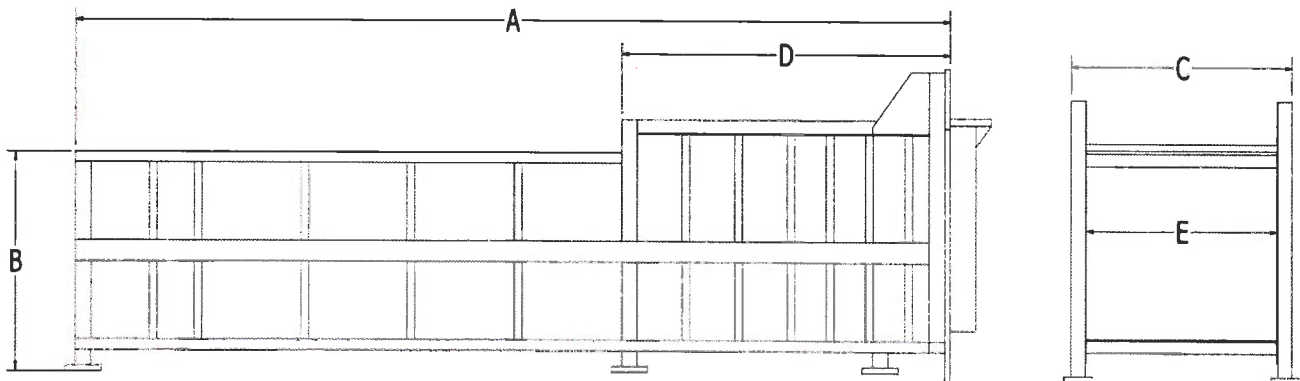
- ▶ CSA Approved Design
- ▶ Heavy Duty Oil - tight Pushbutton Controls
- ▶ Key Lockable Start Pushbutton
- ▶ Automatic Multi - cycle Operation
- ▶ PLC Controlled System
- ▶ Full - Container Light

## OPTIONAL EQUIPMENT

- ▶ Advance - warning Light
- ▶ Fluid - filled Pressure Gauge
- ▶ Oil Heater
- ▶ Odor Control System
- ▶ Open Hopper -(for top or dock loading)
- ▶ Fully Enclosed Hopper with Door
- ▶ Through the Wall Installation Kits
- ▶ Walk-on or Drive-on Decks
- ▶ Safety Gate
- ▶ Hydraulic Cart-dump Systems

This Equipment is CSA Approved and  
Conforms to all Current ANSI Z245.2  
Safety Standards.

In order to provide the most currently engineered and designed  
equipment, We reserve the right to change specifications without notice.  
This brochure is intended to provide information only, and should not  
be used in an arbitrary manner to judge equipment for any particular purpose.



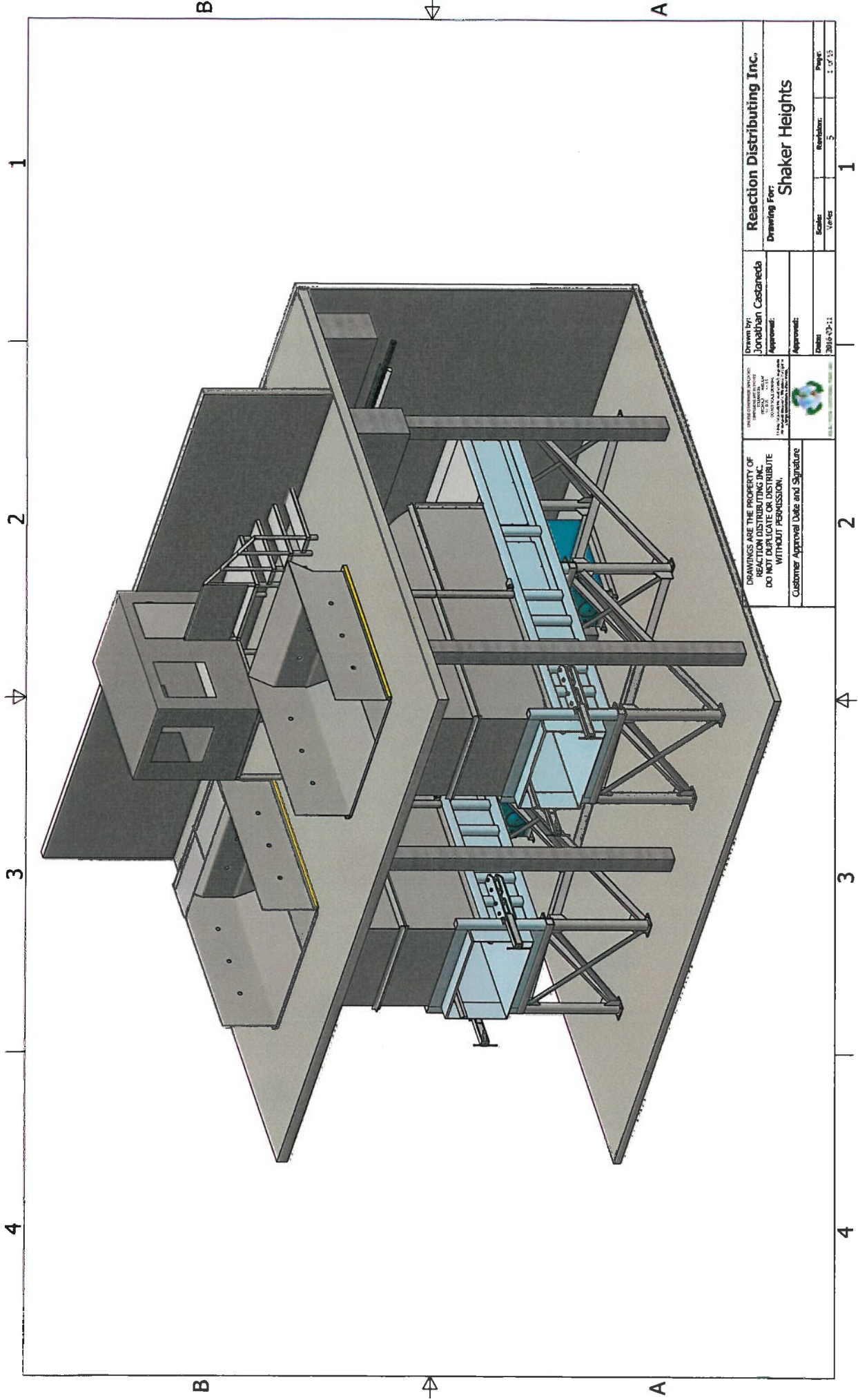
DISTRIBUTED BY:



**THE TREND SETTERS**

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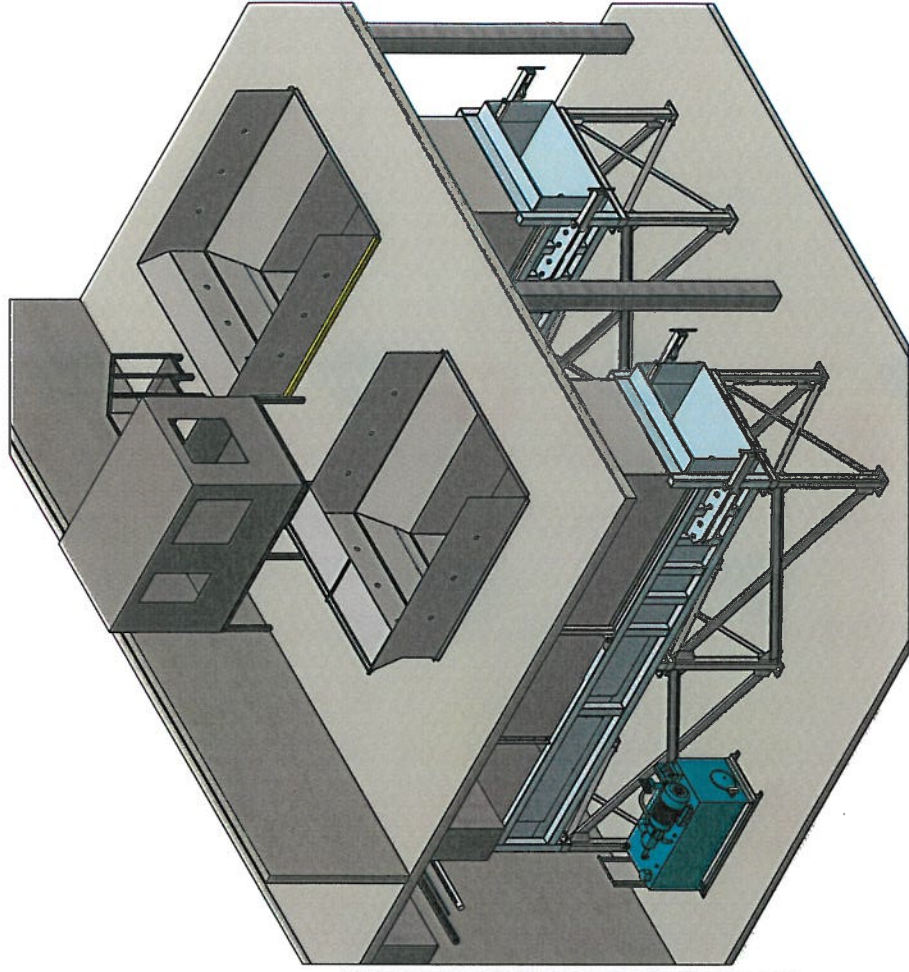
<p>REACTOR DISTRIBUTING INC.</p> <p>10000 W. 100th Ave. Suite 100</p> <p>Overland Park, KS 66204</p> <p>Phone: 913.241.1000 Fax: 913.241.1001</p> <p>www.reactordistributing.com</p>		<p>Drawn by:</p> <p>Jonathan Castaneda</p> <p>Approved:</p> <p>2016-03-11</p>	<p>Reaction Distributing Inc.</p> <p>Drawing For:</p> <p>Shaker Heights</p>
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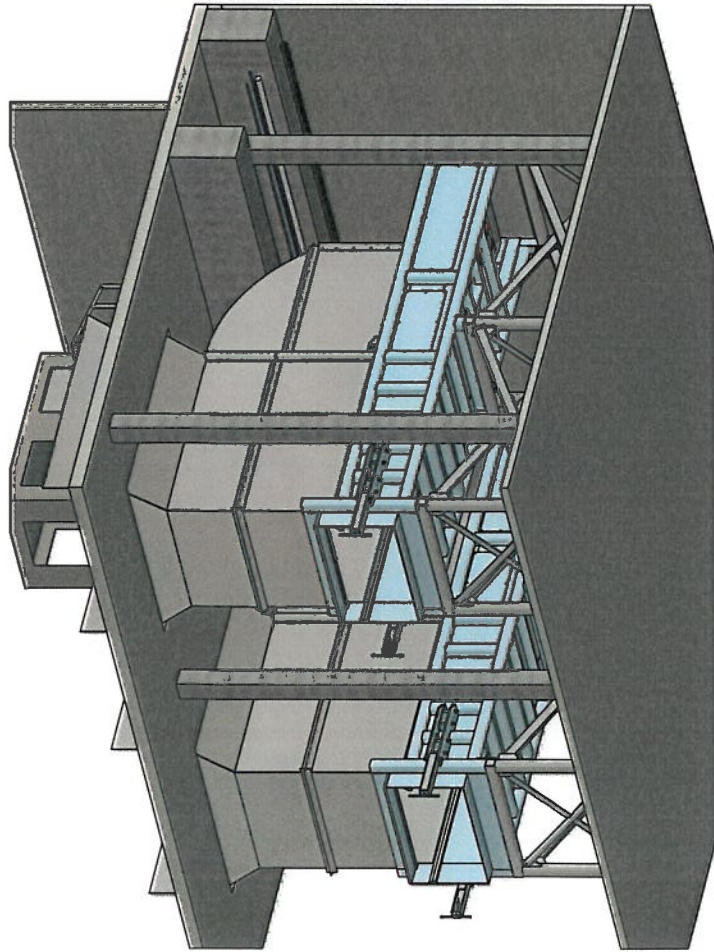
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B

A



B

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		Date: 2016-03-11		Revision: 5	
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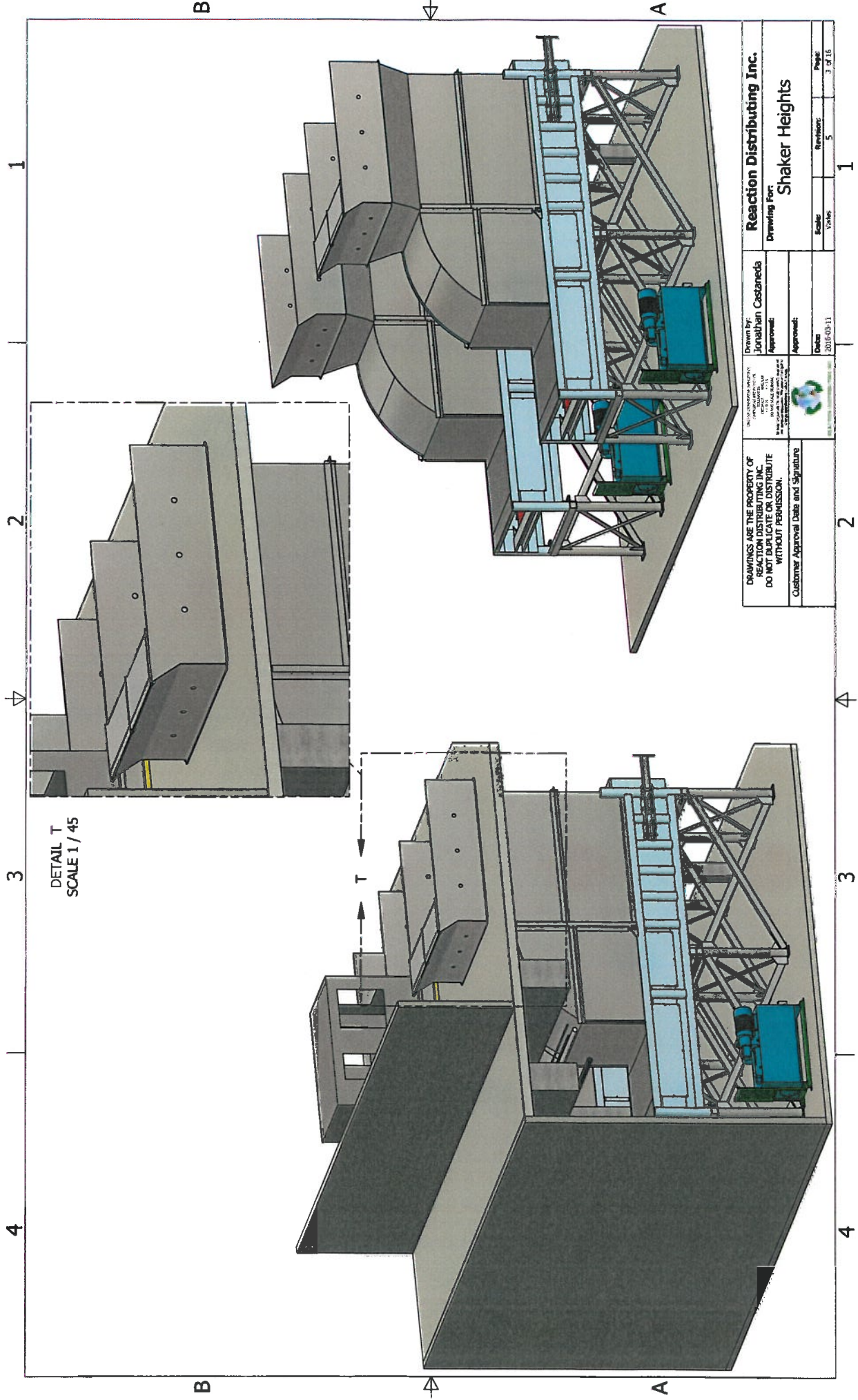
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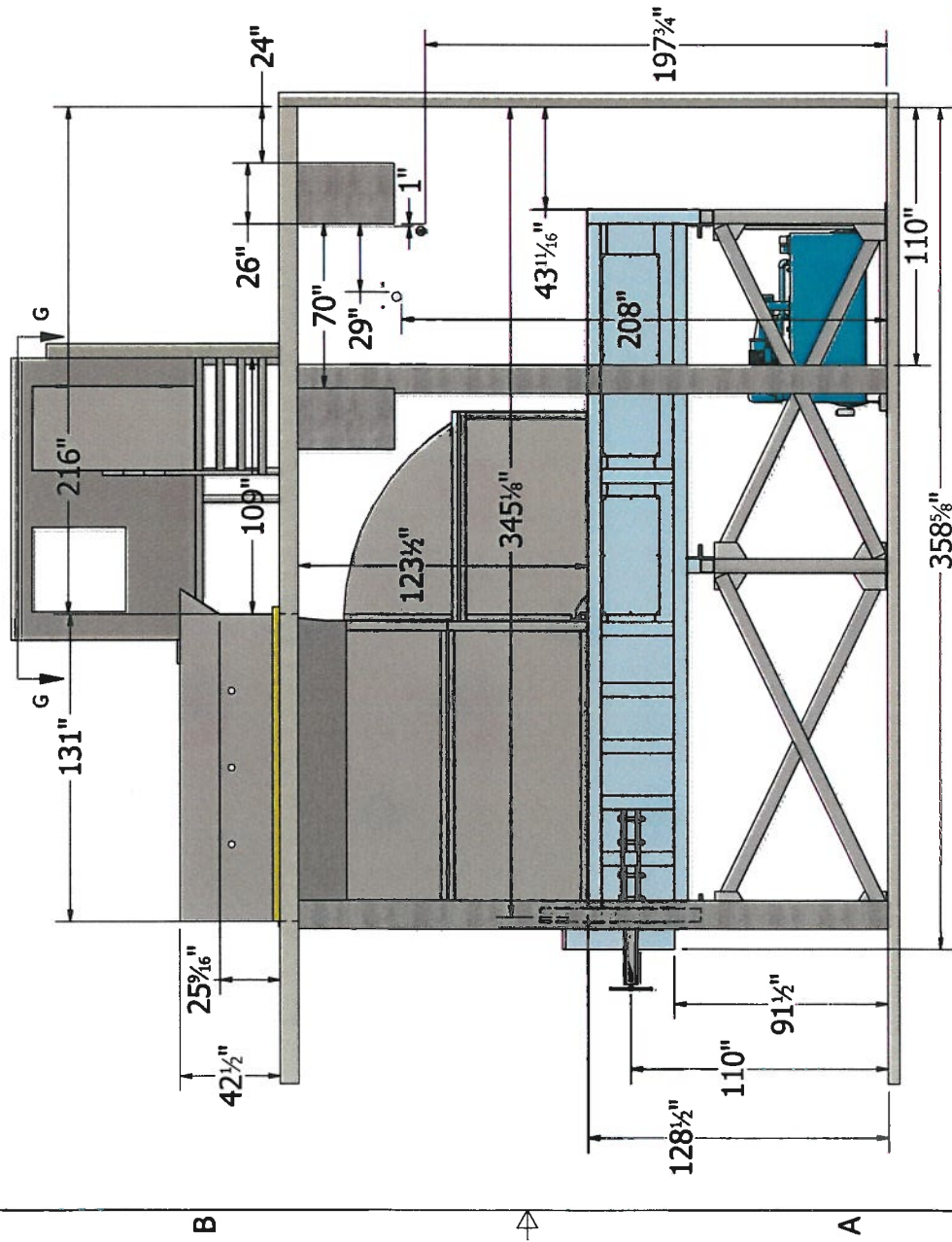
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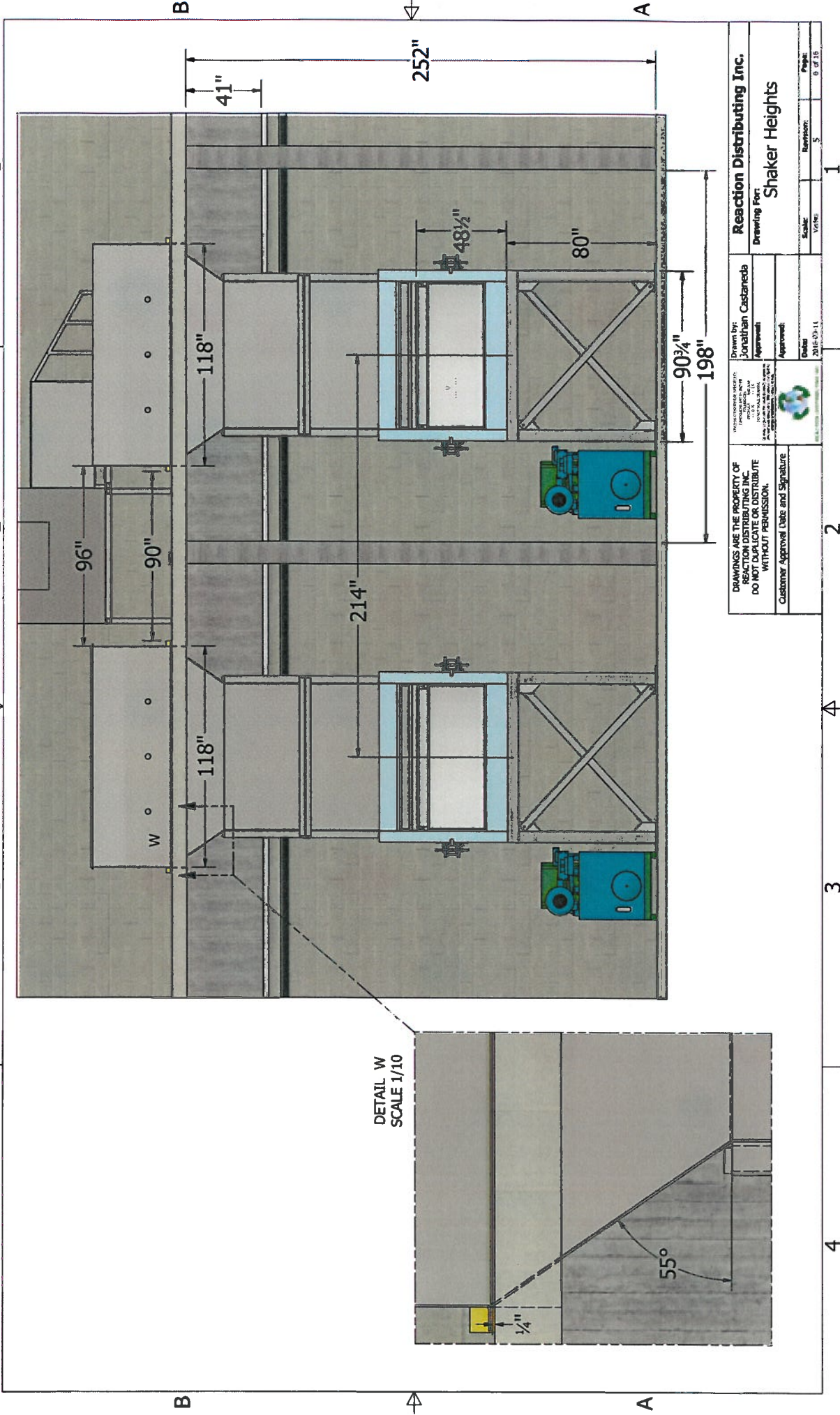


VIEW G-G  
SCALE 1 / 20



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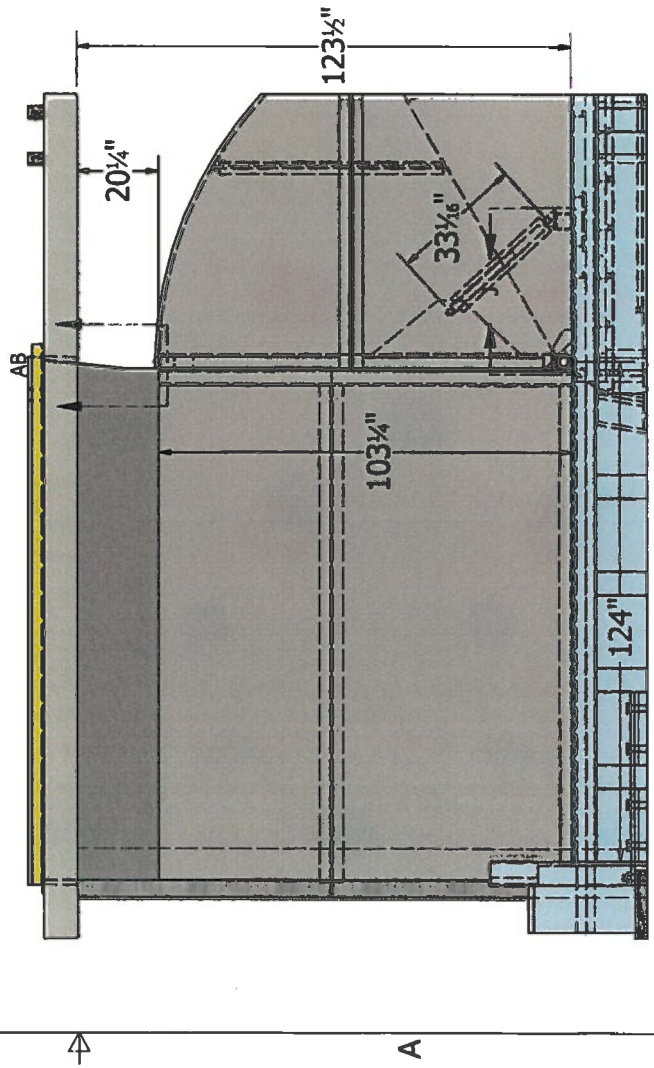
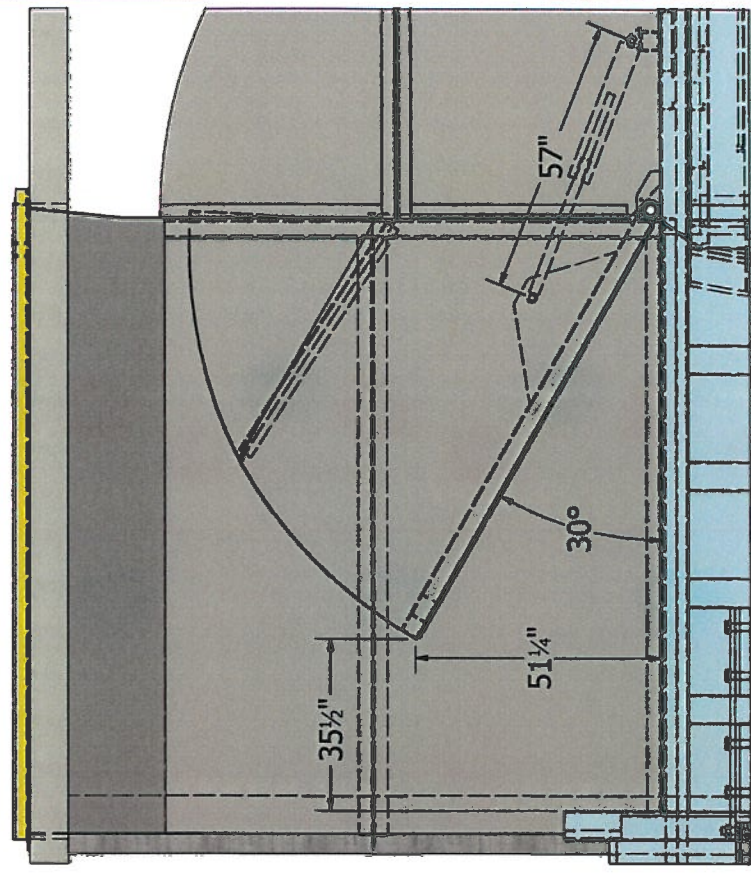
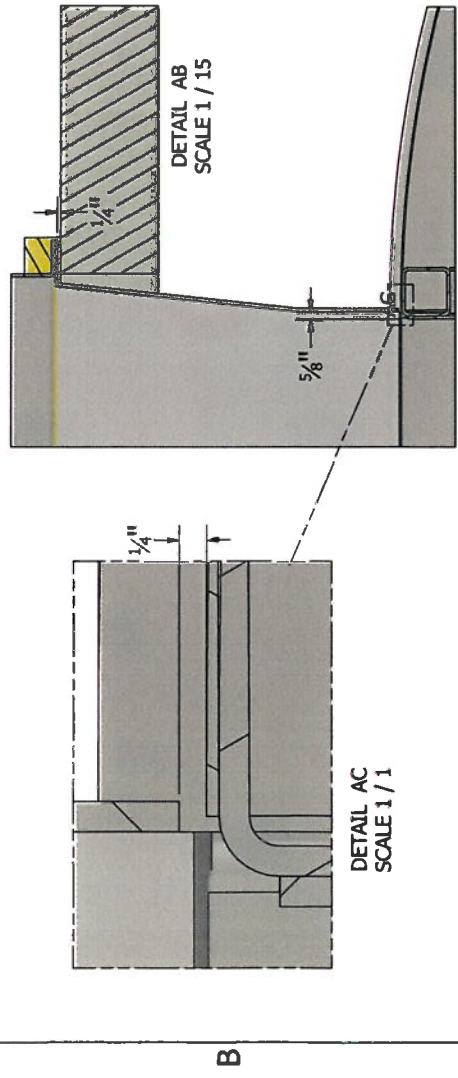
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Customer Approval Date and Signature		Order: Date: _____	Page: 8 of 18



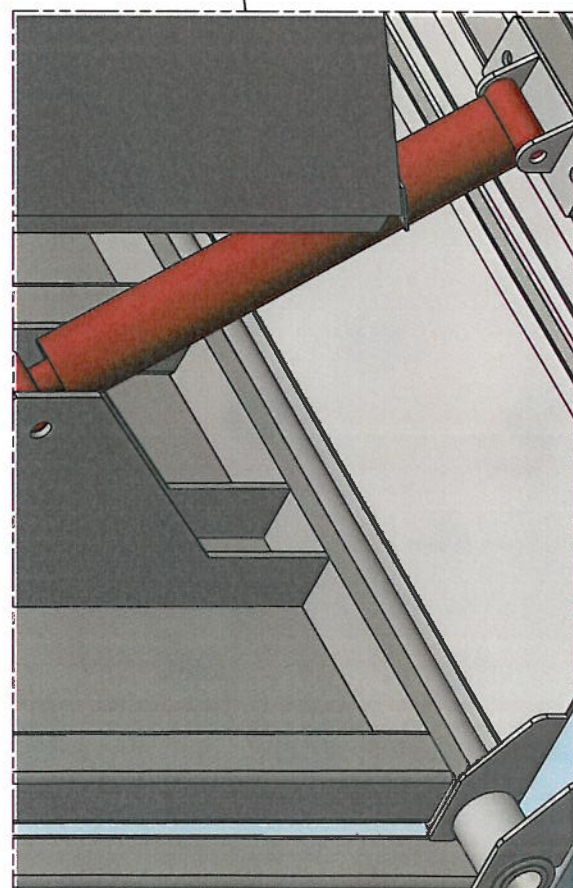
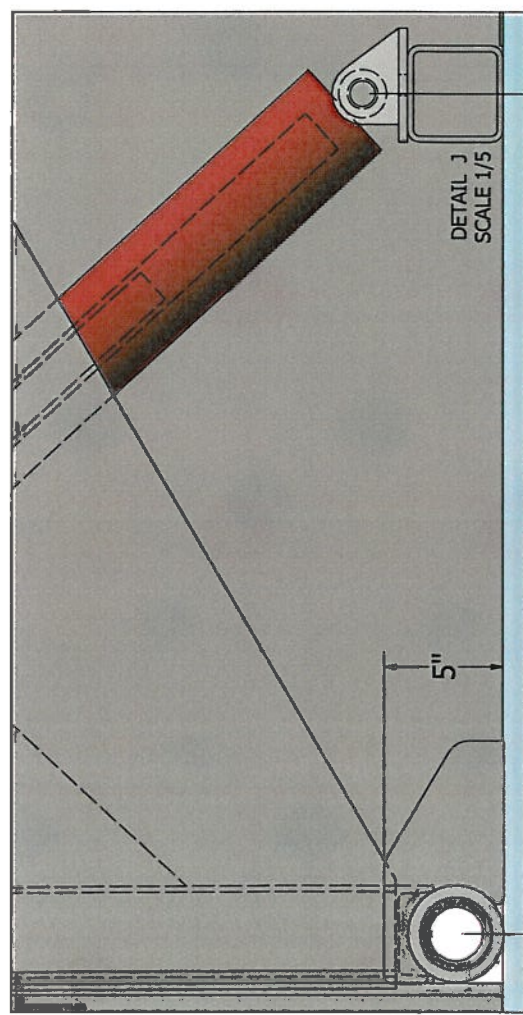
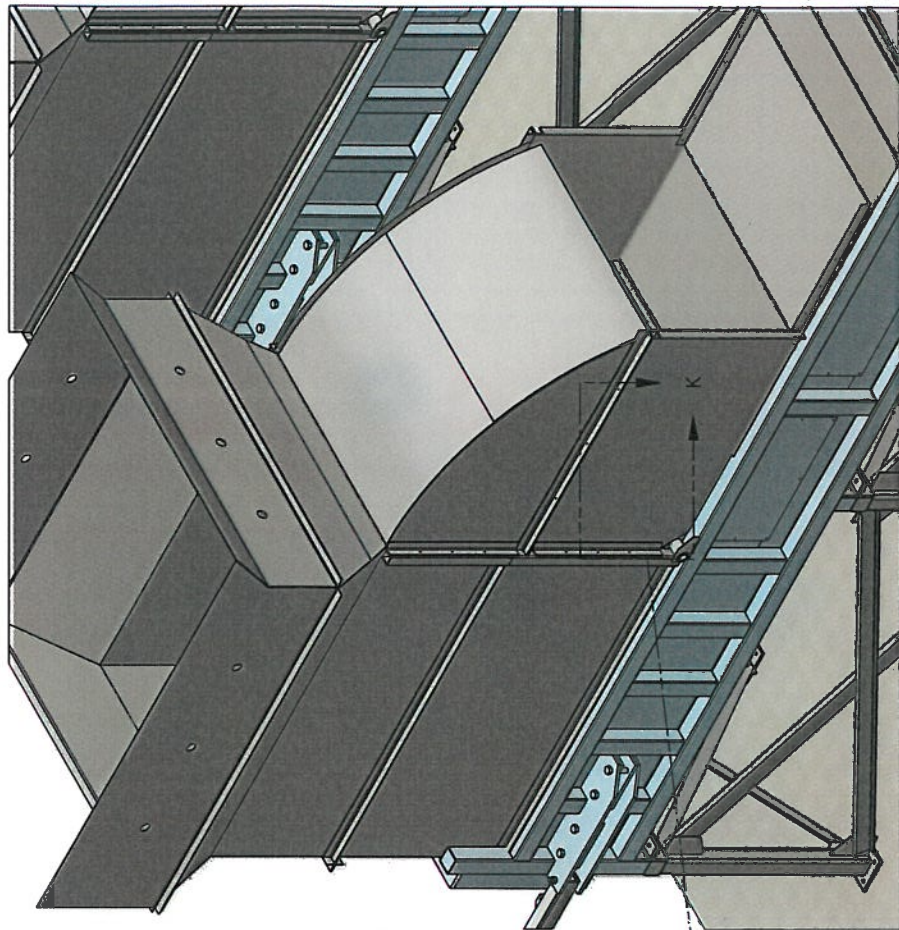
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	<p>Approved:</p>	
	<p>Approved:</p>	
	<p>Date: 2016-03-11</p>	
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		<p>Page: 7 of 16</p>



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Approved: [Signature]		Date: 2016-03-11	Pages: 8 of 15

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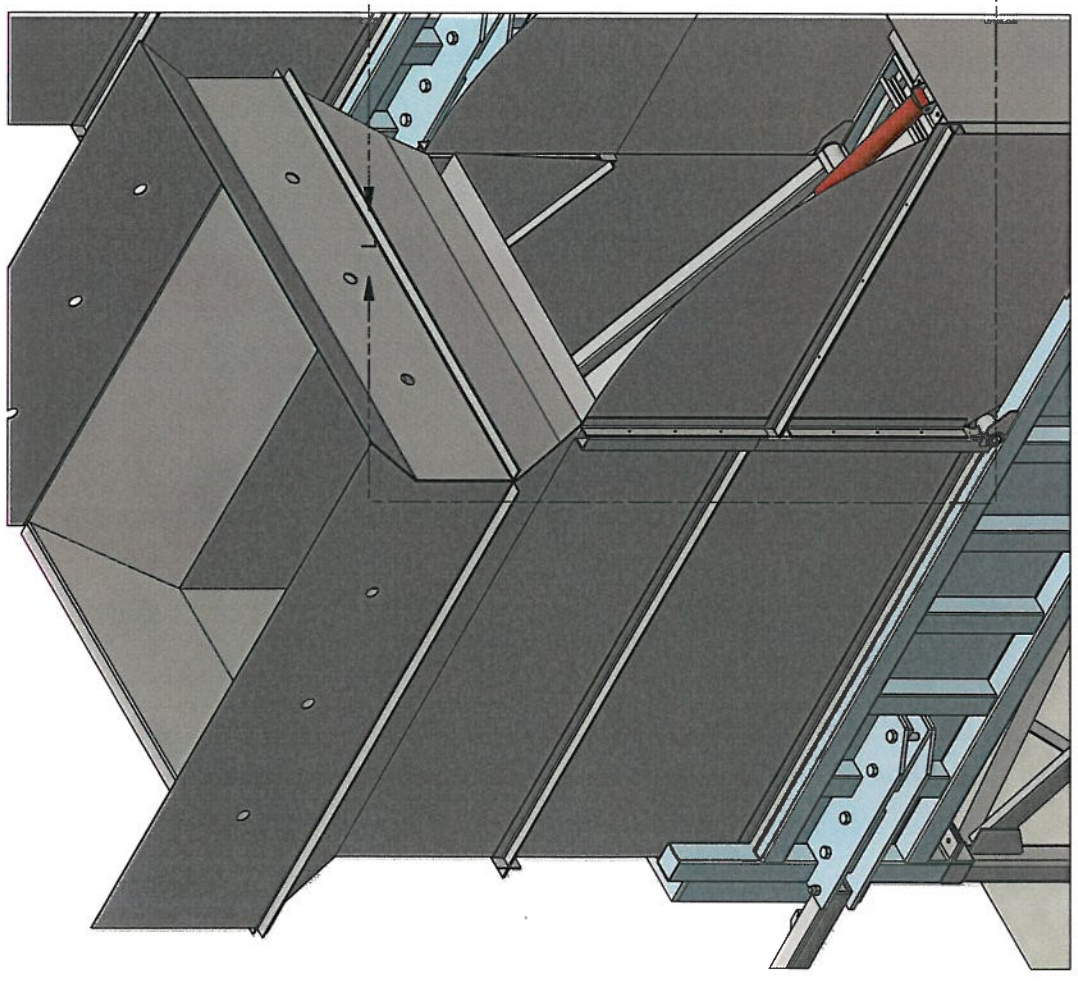
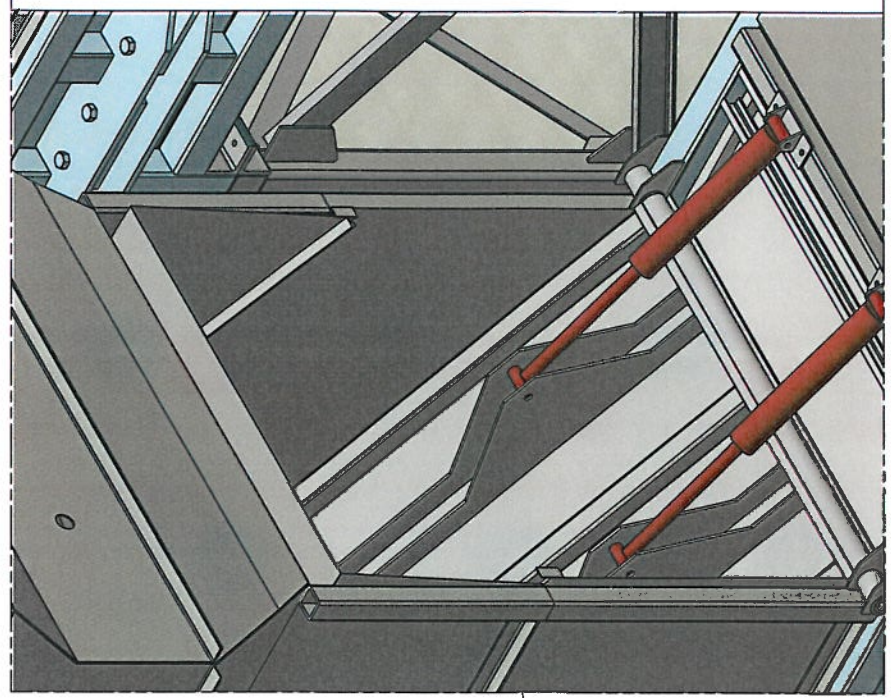
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DETAIL L  
SCALE 1/18



Reaction Distributing Inc.		Drawing For: Shaker Heights	
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Approved:		Pages: 9 of 15	
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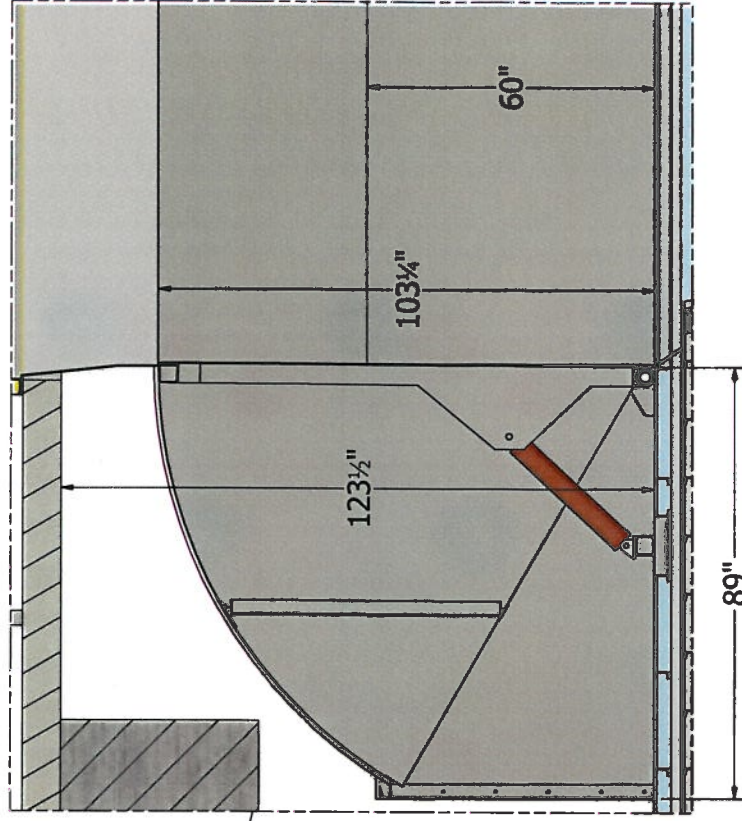
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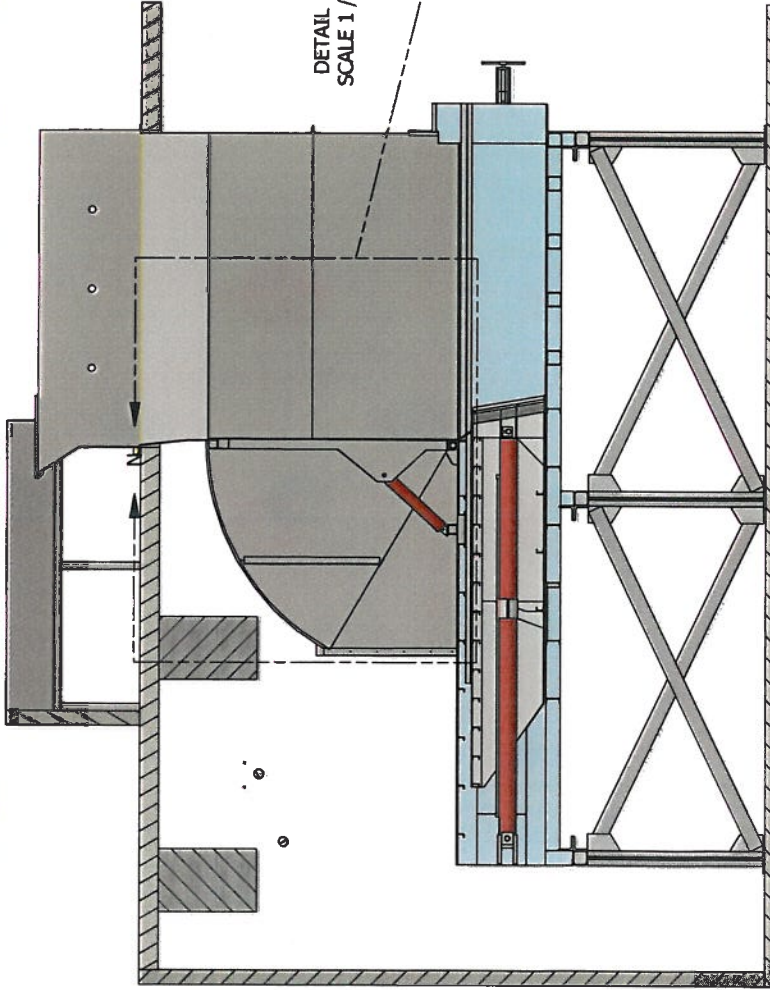
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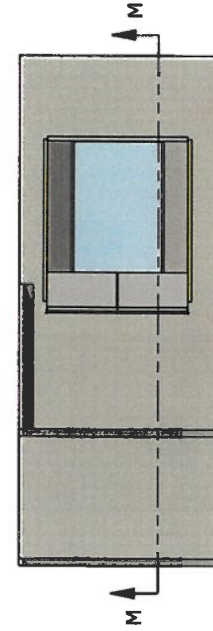
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DETAIL N  
SCALE 1 / 25



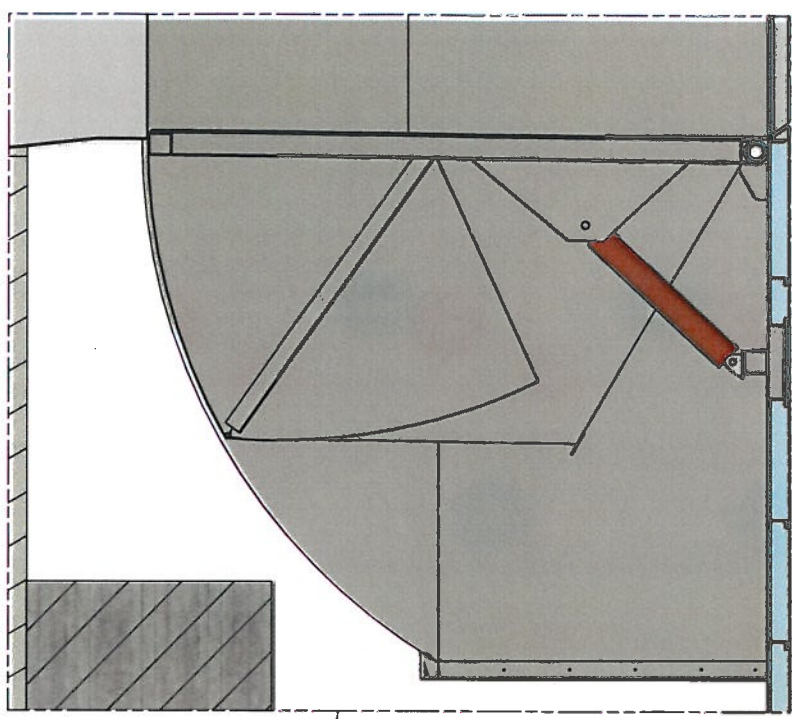
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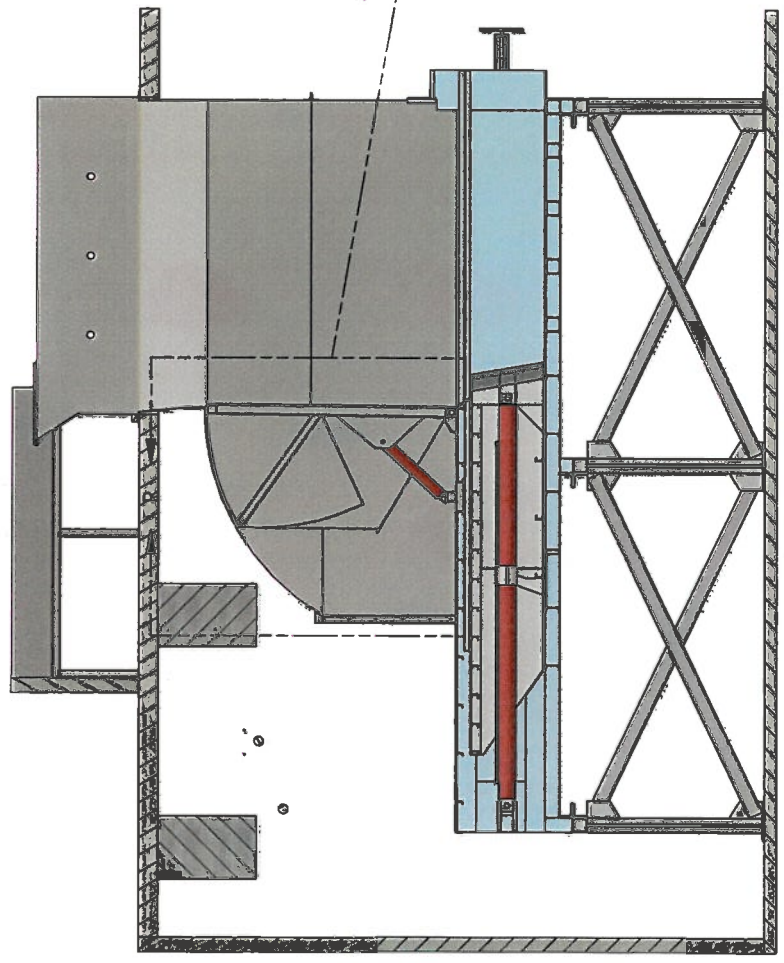
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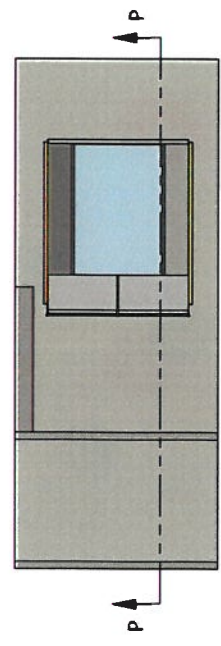
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DETAIL R  
SCALE 1 / 20



SECTION P-P  
SCALE 1 / 50



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11 of 15		Date: 2015-09-11	Page: 11 of 15	

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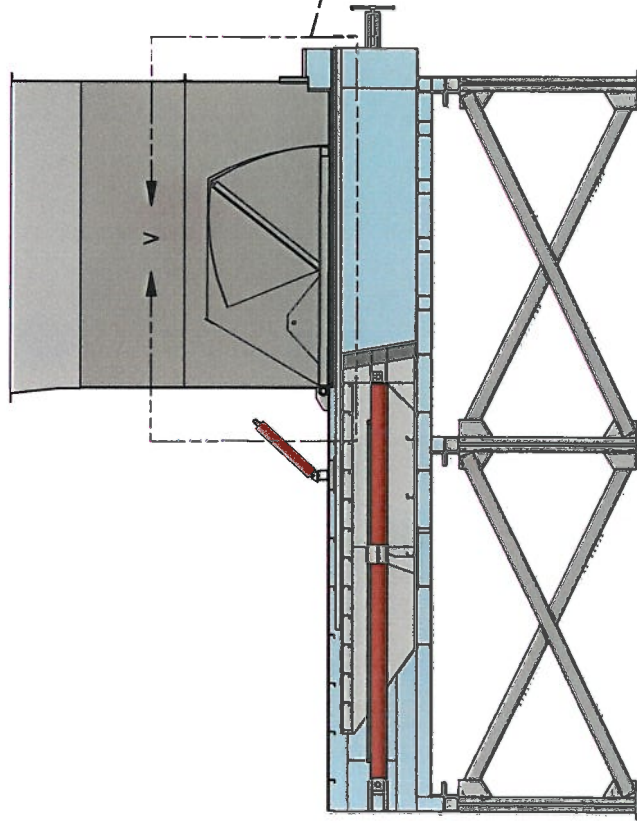
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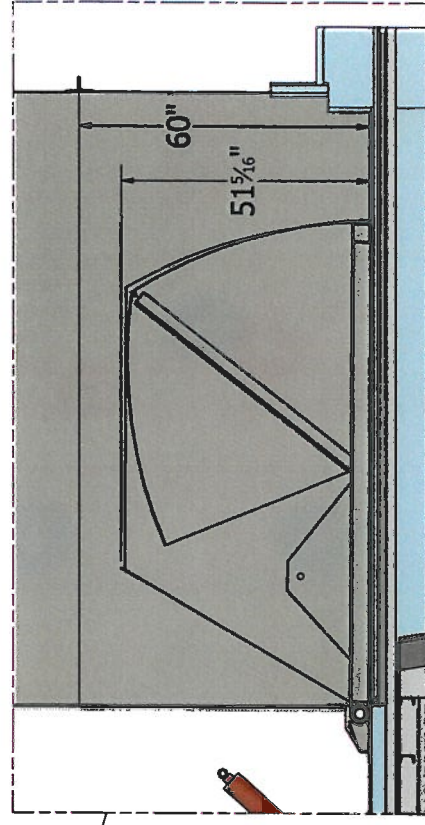
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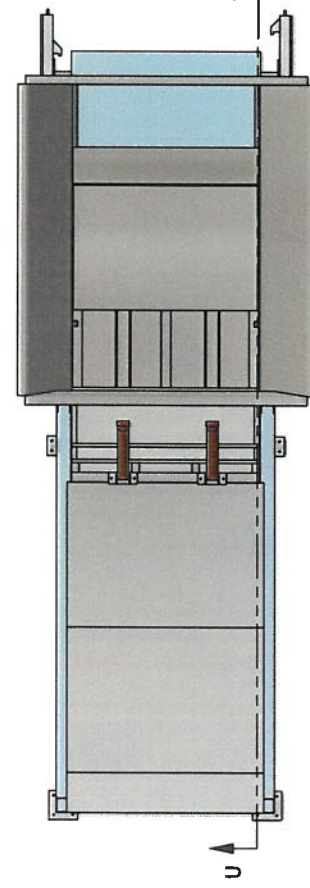
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SECTION U-U  
SCALE 1 / 50




DETAIL V  
SCALE 1 / 25



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REACTION DISTRIBUTING INC. 10000 W. 100th Ave. Suite 100 Denver, CO 80231 Phone: 303.440.1111 Fax: 303.440.1112 Email: info@reactiondist.com	Drawn By: Jonathan Castaneda	Approved:	Approved:	Reaction Distributing Inc.	Shaker Heights

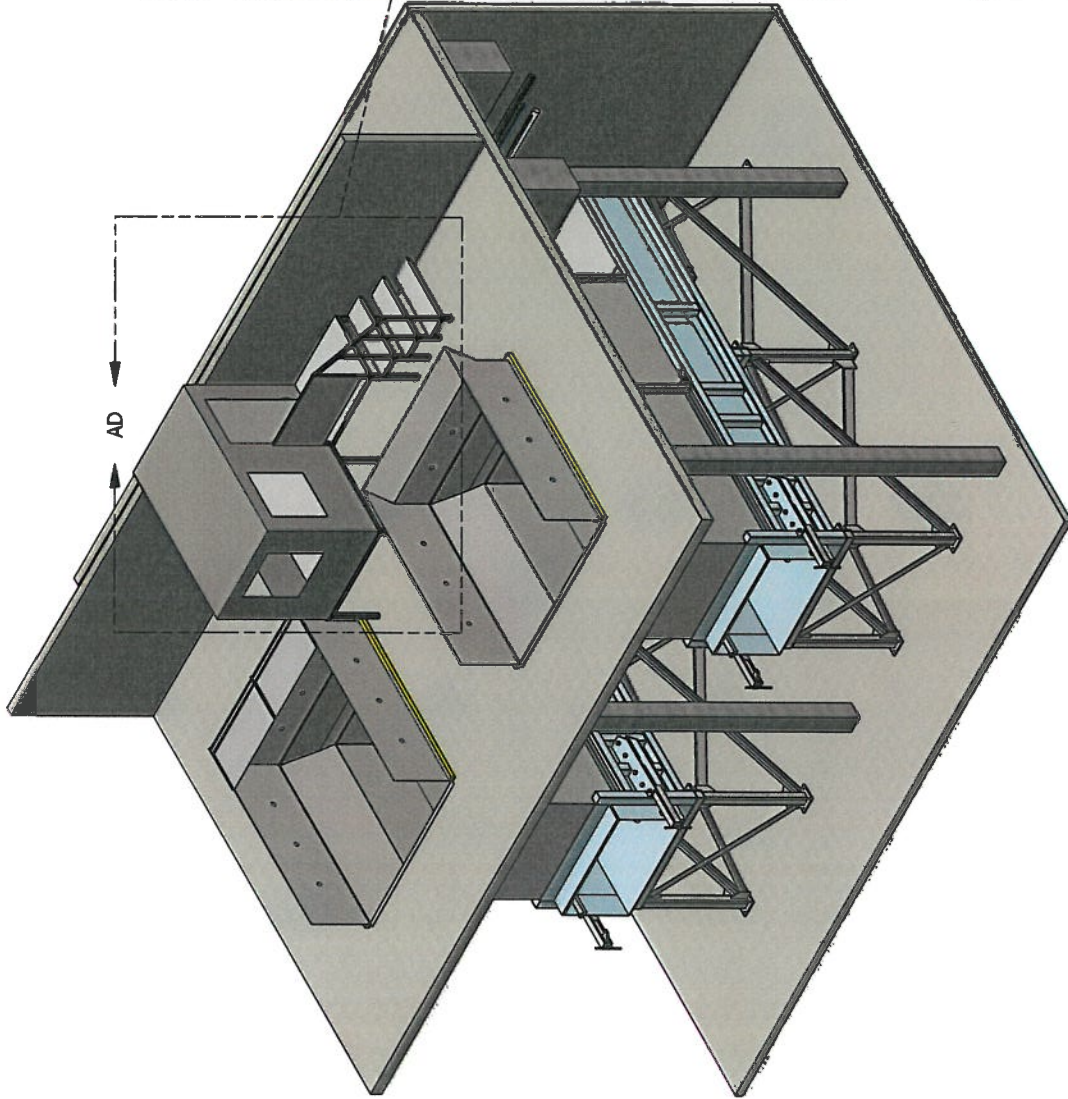


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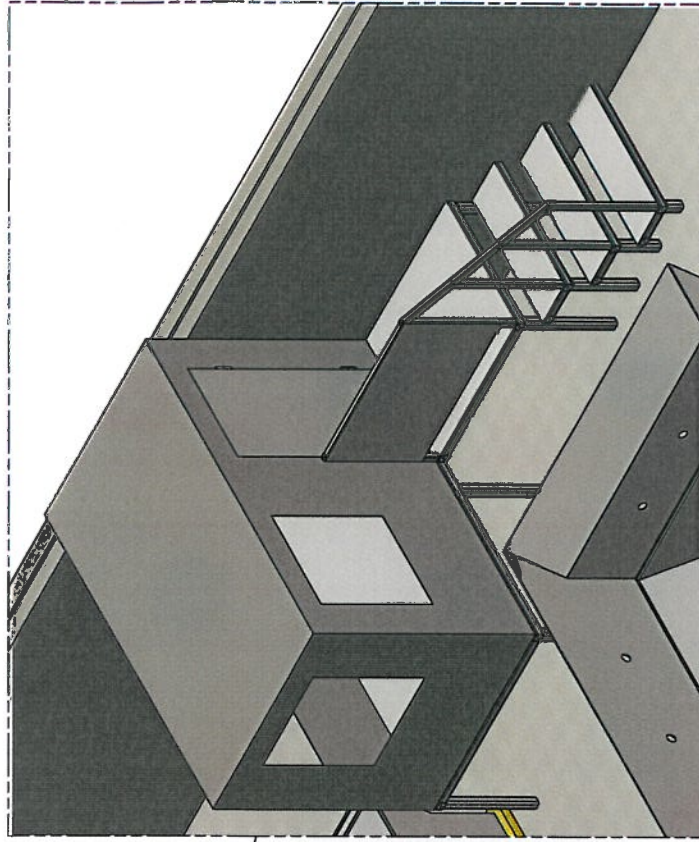
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DETAIL AD  
SCALE 1 / 35



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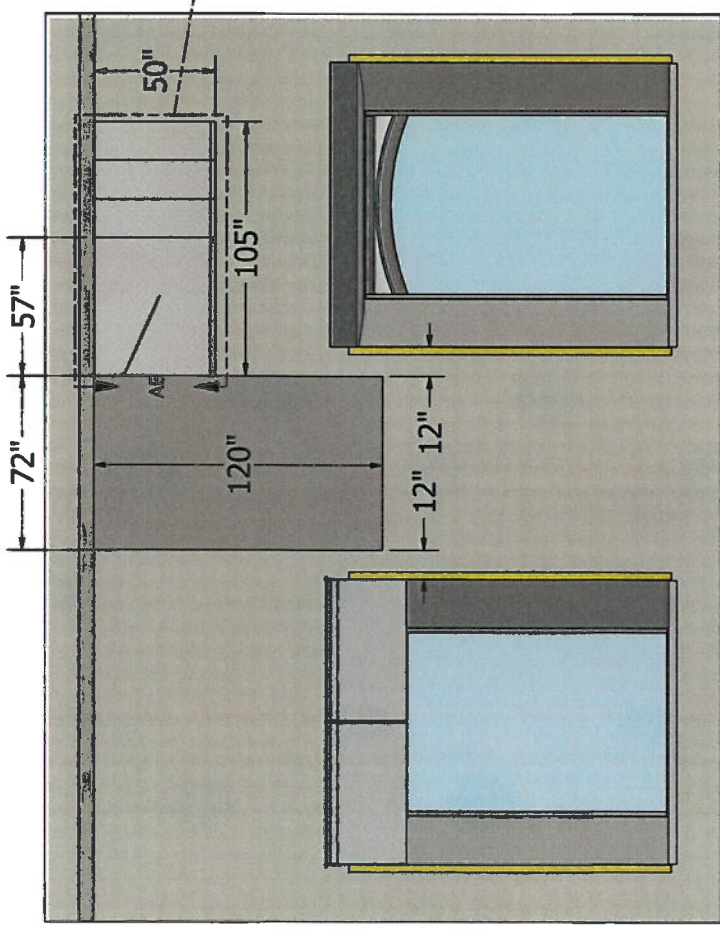
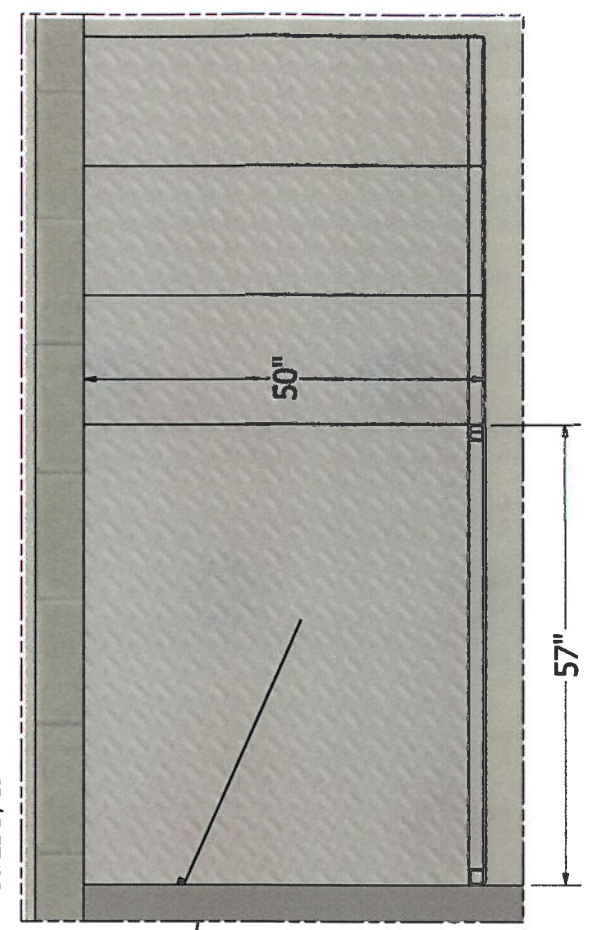
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DETAIL AE  
SCALE 1/15



B A

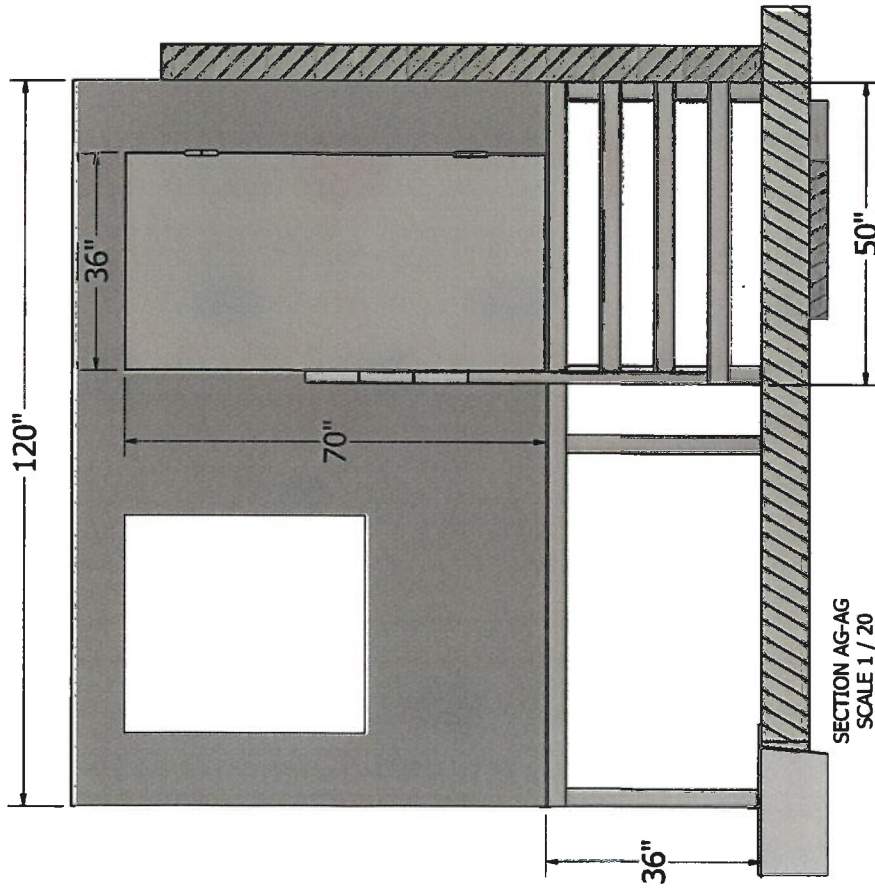
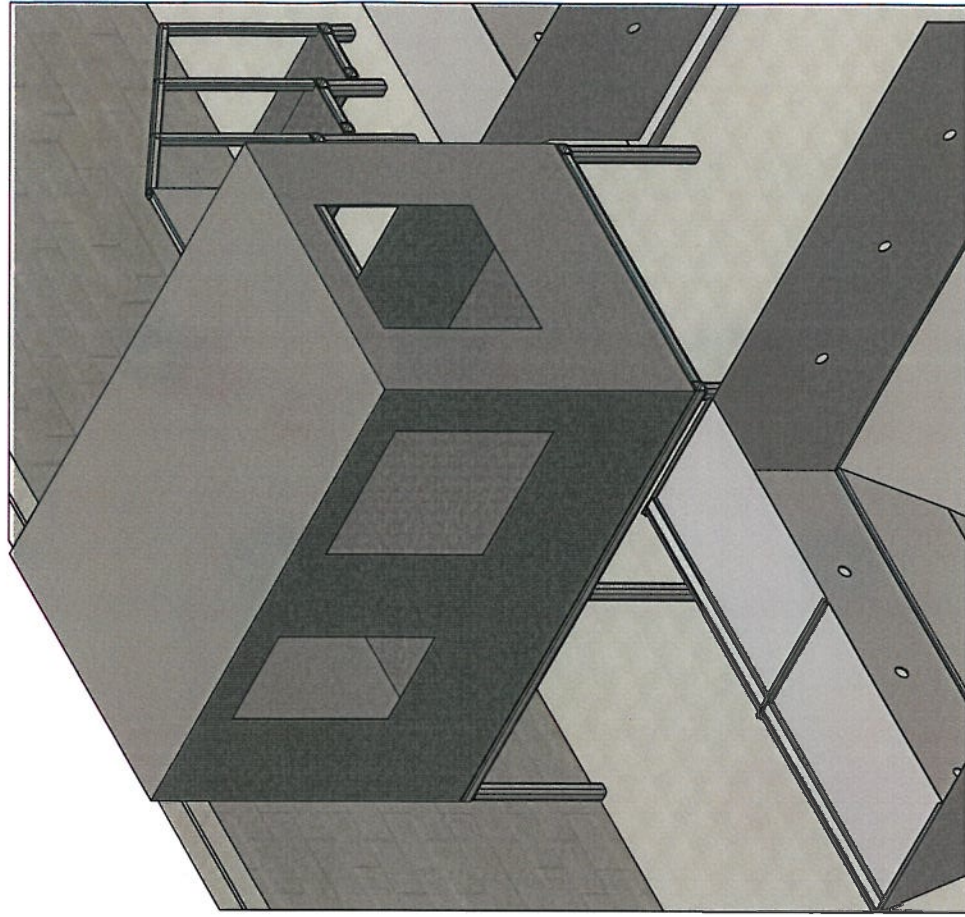
DRAWINGS ARE THE PROPERTY OF REACTION DISTRIBUTING INC. DO NOT DUPLICATE OR DISTRIBUTE WITHOUT PERMISSION.	 REACTION DISTRIBUTING INC. 10000 W. 120th Ave., Suite 100 Overland Park, KS 66209 Phone: 913.241.2200 Fax: 913.241.2201 Email: info@reactiondist.com www.reactiondist.com	Drawn by: Jonathan Castaneda	Reaction Distributing Inc.		
		Approved:	Drawing For:		
		Approved:	Shaker Heights		
		Customer Approval Date and Signature			
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1 2 3 4





1 2 3 4



SECTION AG-AG  
SCALE 1 / 20

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		Approval:		Revision: 5	
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				Page: 36 of 16	

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# TRANSFER STATIONS



TWIN T-600XHD COMPACTORS



# TRANSFER STATIONS



**TWIN T-600XHD COMPACTORS**



# COMPACTING APPLICATIONS

(ONTARIO MUNICIPAL WASTE TRANSFER STATIONS)





# COMPACTING APPLICATIONS

(ONTARIO MUNICIPAL WASTE TRANSFER STATIONS)





# COMPACTING APPLICATIONS

(ONTARIO MUNICIPAL WASTE TRANSFER STATIONS)







## **WARRANTY STATEMENT**

### **TERM**

Unless terminated as hereinafter provide, this warranty shall continue in full force for a period of 12 months, and shall govern all transactions between the parties hereto following the completion of installation of the product at the end user's facility, and evidenced by a signed and dated installation report and warranty registration returned to Reaction Distributing Inc. If no registration card is remitted or the factory does not provide the installation, the warranty period shall be considered to start on the date of shipment.

### **LIMITED WARRANTY**

As limited herein, the Reaction Distributing Inc. products (the "goods") you have purchased are warranted by Reaction Distributing Inc. ("seller") to be free of all defects in material and workmanship. This warranty does not apply to any defects caused by negligence, misuse, modifications, alterations or accidents by purchaser or third parties.

Seller's liability under warranty shall be limited to the repair and replacement of parts and the necessary labor and services required to repair the goods and shall be in lieu of any other remedy available under applicable law and shall not to exceed the purchase price of the goods. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL OTHER WARRANTIES WHETHER EXPRESS OR IMPLIED, OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY, AND ALL SUCH OTHER WARRANTIES ARE HEREBY REVOKED AND DISCLAIMED.

The Seller neither assumes nor authorizes any representative or person to assume for seller any other liability in connection with sale or shipment of our products.

The Seller reserves the right to make changes or improvements in our products without notice and without incurring any obligation to prospective customers.

The Seller reserves the right to make changes or improvements in our products without incurring any obligation to similarly alter products previously purchased.



Except in the case of damages or defect attributable to the Seller, the Buyer shall not make any claim against the Seller for any damaged or defective product or part.

If the Seller breaches or repudiates this contract, the Buyer shall not be entitled to recover any incidental damages as that term is defined in the Uniform Commercial Code.

If the Seller breaches or repudiates this contract, the Buyer shall not be entitled to any consequential damages as defined in the Uniform Commercial Code.

The Seller does not warrant that any product purchased shall conform to 1) any affirmation of fact or promise relating to it, or 2) any description of it. No affirmation, promise, or description relating to any product purchased shall be deemed part of the basis of the parties bargain.

No agent, employee or representative of the Seller has any authority to bind the Seller to any affirmation, representation or warranty concerning the goods sold under this contract, and unless an affirmation, representation, or warranty made by agent, employee or representative is specifically included within this contract, it will not be enforceable by the Buyer.

#### **ITEMS NOT COVERED**

The Seller waives the standard warranty on the following components and systems.

- a) Down stroke Baler bale ejection system – to include dump rods, dump handles, dump trays and associated components.
- b) Sonozaire hoses and fittings.
- c) Broken or lost machine keys.
- d) Broken or bent limit switch arms.
- e) Maladjusted or dirty photoelectric eyes and reflectors.
- f) All fuses and thermal/voltage/current limiting devices.
- g) Guide islands and wheel-stops.
- h) Anchor bolts.
- i) Container nose rollers.
- j) Self-contained compactor/container door seals.
- k) Adjustment of current sensors and changes to PLC programs
- l) Casters
- m) User abuse
- n) Waste hauler related damage

#### **RETURN OF PRODUCTS OR SERVICE PARTS FOR REPAIR OR CREDIT**

Unless the Seller shall have authorized or permitted the return of any products or parts, in writing, or by phone with Return Material Authorization Number assigned by Reaction

Distributing Inc. to the specified product or parts, the Seller shall not be obligated to accept from the Buyer any products or parts returned, nor to make any exchange thereof, nor to credit the Buyer therefore.

#### **NOTICE OF CLAIMS**

- a) The Buyer must notify the Seller immediately by phone or writing, or fax, of any defect, malfunction, or nonconformity after he or she knows or has reason to know the basis of any claim, and in no event more than ten days thereafter. Within 24 hours after receiving notice from the Buyer, the Seller will authorize repair or replacement of the defective part.
- b) (A-1) Reaction Distributing Inc., at its sole discretion, will have the option to make repairs or authorize a distributor or third party to make repairs.
- c) (A-2) All claims for repairs must be accompanied with a Warranty Job Order Number. Failure to obtain a Job Order Number will relieve the Seller from all liability.
- d) Failure to give the notice prescribed by Subsection (A) shall relieve the Seller from all liability on any claim in respect to any transaction growing out of this warranty.
- e) The provisions of this shall survive the termination of any other portions of this warranty.

#### **COMMON CARRIERS AGENTS OF DISTRIBUTOR**

Whenever the Seller shall deliver or cause to be delivered to a common carrier any goods ordered by the Buyer, whether the particular carrier shall have been designated in the shipping or routing instructions of the Buyer or not, the Seller shall not be responsible for any delays or damages in shipment and the common carrier, to which the Seller shall deliver goods shipped to the Buyer, is declared to be the agent of the Buyer.

#### **COMPLETENESS OF INSTRUMENT**

This instrument contains all of the agreement, understandings, representation, condition, warranties, and covenants made between parties hereto. Unless set forth herein, neither party shall be liable for any representations made, and all modifications and amendments hereto must be in writing.

## **NO IMPLIED WAIVERS**

The failure of either party at any time to require performance by the other party of any provision hereof shall not affect in any way the full right to require such performance at any time thereafter. Nor shall the waiver by either party of a breach of any provision hereof be taken or held to be a waiver of the provision itself.

## **CONTROLLING LAW**

The validity, interpretation, and performance of this warranty shall be controlled by and construed under the laws of the Province of Ontario, the province in which this warranty is being executed. It is understood, however, that this is a general form of warranty, designed for use in Canada wherever the Seller may desire to sell its products and that any provision herein, which in any way contravenes the laws of any province or jurisdiction shall be deemed not to be a part of this warranty therein.

## **BUYER NOT AN AGENT**

This warranty does not constitute the Buyer as the agent or legal representative of the Company, or the Company as the agent or legal representative of the Buyer for any purpose whatsoever. Neither party is granted any expressed or implied right or authority by the other party to assume or create any obligation or responsibility on behalf of, or in the name of, the other party, or to bind the other party in any manner or thing whatsoever.

## **FINALITY OF THIS WRITING**

The parties intend this document to be the final expression of their agreement and it is intended also as complete and exclusive statement of the terms of their agreement. No course of prior dealing between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this document. Acceptance or acquiescence in a course of performance rendered under this document shall not be relevant to determine the meaning of this contract even when the accepting or acquiescing party has knowledge of the nature of the performance and opportunity for objection.