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Installation and Service

6458 TG1L/R, TS1L/R, TT1L/R

6464, 7272 & 7676

TG1L/R, TS1L/R

Read the separate safety manual before installing, operating, or servicing

PELLERIN MILNOR CORPORATION POST OFFICE BOX 400, KENNER, LOUISIANA 70063-0400, U.S.A.

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PELLERIN MILNOR CORPORATION
LIMITED STANDARD WARRANTY

We warrant to the original purchaser that MILNOR machines including electronic hardware/software (hereafter referred to as "equipment"), will be free from defects in material and workmanship for a period of one year from the date of shipment (unless the time period is specifically extended for certain parts pursuant to a specific MILNOR published extended warranty) from our factory with no operating hour limitation. This warranty is contingent upon the equipment being installed, operated and serviced as specified in the operating manual supplied with the equipment, and operated under normal conditions by competent operators.

Providing we receive written notification of a warranted defect within 30 days of its discovery, we will at our option repair or replace the defective part or parts, FOB our factory. We retain the right to require inspection of the parts claimed defective in our factory prior to repairing or replacing same. We will not be responsible, or in any way liable, for unauthorized repairs or service to our equipment, and this warranty shall be void if the equipment is tampered with, modified, or abused, used for purposes not intended in the design and construction of the machine, or is repaired or altered in any way without MILNOR's written consent.

Parts damaged by exposure to weather, to aggressive water, or to chemical attack are not covered by this warranty. For parts which require routine replacement due to normal wear such as gaskets, contact points, brake and clutch linings, belts, hoses, and similar parts the warranty time period is 90 days.

We reserve the right to make changes in the design and/or construction of our equipment (including purchased components) without obligation to change any equipment previously supplied.

ANY SALE OR FURNISHING OF ANY EQUIPMENT BY MILNOR IS MADE ONLY UPON THE EXPRESS UNDERSTANDING THAT MILNOR MAKES NO EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE OR ANY OTHER WARRANTY IMPLIED BY LAW INCLUDING BUT NOT LIMITED TO REDHIBITION. MILNOR WILL NOT BE RESPONSIBLE FOR ANY COSTS OR DAMAGES ACTUALLY INCURRED OR REQUIRED AS A RESULT OF: THE FAILURE OF ANY OTHER PERSON OR ENTITY TO PERFORM ITS RESPONSIBILITIES, FIRE OR OTHER HAZARD, ACCIDENT, IMPROPER STORAGE, MIS-USE, NEGLECT, POWER OR ENVIRONMENTAL CONTROL MALFUNCTIONS, DAMAGE FROM LIQUIDS, OR ANY OTHER CAUSE BEYOND THE NORMAL RANGE OF USE. REGARDLESS OF HOW CAUSED, IN NO EVENT SHALL MILNOR BE LIABLE FOR SPECIAL, INDIRECT, PUNITIVE, LIQUIDATED, OR CONSEQUENTIAL COSTS OR DAMAGES, OR ANY COSTS OR DAMAGES WHATSOEVER WHICH EXCEED THE PRICE PAID TO MILNOR FOR THE EQUIPMENT IT SELLS OR FURNISHES.

THE PROVISIONS ON THIS PAGE REPRESENT THE ONLY WARRANTY FROM MILNOR AND NO OTHER WARRANTY OR CONDITIONS, STATUTORY OR OTHERWISE, SHALL BE IMPLIED.

WE NEITHER ASSUME, NOR AUTHORIZE ANY EMPLOYEE OR OTHER PERSON TO ASSUME FOR US, ANY OTHER RESPONSIBILITY AND/OR LIABILITY IN CONNECTION WITH THE SALE OR FURNISHING OF OUR EQUIPMENT TO ANY BUYER.

BIUUUD19 (Published) Book specs- Dates: 20081231 / 20081231 / 20081231 Lang: ENG01 Applic: UUU

How to Get the Necessary Repair Components

This document uses Simplified Technical English.
Learn more at http://www.asd-ste100.org.

You can get components to repair your machine from the approved supplier where you got this machine. Your supplier will usually have the necessary components in stock. You can also get components from the Milnor® factory.

Tell the supplier the machine model and serial number and this data for each necessary component:

- The component number from this manual
- The component name if known
- The necessary quantity
- The necessary transportation requirements
- If the component is an electrical component, give the schematic number if known.
- If the component is a motor or an electrical control, give the nameplate data from the used component.

To write to the Milnor factory:

Pellerin Milnor Corporation
Post Office Box 400
Kenner, LA 70063-0400
UNITED STATES

Telephone: 504-467-2787
Fax: 504-469-9777
Email: parts@milnor.com

— End of BIUUUD19 —

BIUUUD14 (Published) Book specs- Dates: 20140821 / 20140821 / 20140821 Lang: ENG01 Applic: UUU

Trademarks of Pellerin Milnor Corporation

These words are trademarks of Pellerin Milnor Corporation:

Table 1: Trademarks

AutoSpot™	E-P Plus®	Linear Costa Master™	MilTouch™	Ram Command™
CBW®	ExactXtract®	Linear Costo™	MilTouch-EX™	RecircONE®
Drynet™	Gear Guardian®	Mentor®	Miltrac™	RinSave®
E-P Express®	GreenTurn™	Mildata®	MultiTrac™	SmoothCoil™
E-P OneTouch®	GreenFlex™	Milnor®	PBW™	Staph Guard®
	Hydro-cushion™	MilMetrix®	PulseFlow®	

— End of BIUUUD14 —

Safety 1

BIUUUS27 (Published) Book specs- Dates: 20051111 / 20051111 / 20060323 Lang: ENG01 Applic: PDU

Safety—Dryers, Conditioners, and Shakers

1. General Safety Requirements—Vital Information for Management Personnel [Document BIUUUS04]

Incorrect installation, neglected preventive maintenance, abuse, and/or improper repairs, or changes to the machine can cause unsafe operation and personal injuries, such as multiple fractures, amputations, or death. The owner or his selected representative (owner/user) is responsible for understanding and ensuring the proper operation and maintenance of the machine. The owner/user must familiarize himself with the contents of all machine instruction manuals. The owner/user should direct any questions about these instructions to a Milnor® dealer or the Milnor® Service department.

Most regulatory authorities (including OSHA in the USA and CE in Europe) hold the owner/user ultimately responsible for maintaining a safe working environment. Therefore, the owner/user must do or ensure the following:

- recognize all foreseeable safety hazards within his facility and take actions to protect his personnel, equipment, and facility;
- work equipment is suitable, properly adapted, can be used without risks to health or safety, and is adequately maintained;
- where specific hazards are likely to be involved, access to the equipment is restricted to those employees given the task of using it;
- only specifically designated workers carry out repairs, modifications, maintenance, or servicing;
- information, instruction, and training is provided;
- workers and/or their representatives are consulted.

Work equipment must comply with the requirements listed below. The owner/user must verify that installation and maintenance of equipment is performed in such a way as to support these requirements:

- control devices must be visible, identifiable, and marked; be located outside dangerous zones; and not give rise to a hazard due to unintentional operation;
- control systems must be safe and breakdown/damage must not result in danger;
- work equipment is to be stabilized;
- protection against rupture or disintegration of work equipment;
- guarding, to prevent access to danger zones or to stop movements of dangerous parts before the danger zones are reached. Guards to be robust; not give rise to any additional hazards; not be easily removed or rendered inoperative; situated at a sufficient distance from the danger zone; not restrict view of operating cycle; allow fitting, replacing, or maintenance by restricting access to relevant area and without removal of guard/protection device;
- suitable lighting for working and maintenance areas;
- maintenance to be possible when work equipment is shut down. If not possible, then protection measures to be carried out outside danger zones;
- work equipment must be appropriate for preventing the risk of fire or overheating; discharges of gas, dust, liquid, vapor, other substances; explosion of the equipment or substances in it.

1.1. **Laundry Facility**—Provide a supporting floor that is strong and rigid enough to support–with a reasonable safety factor and without undue or objectionable deflection–the weight of the fully loaded machine and the forces transmitted by it during operation. Provide sufficient clearance for machine movement. Provide any safety guards, fences, restraints, devices, and verbal and/or posted restrictions necessary to prevent personnel, machines, or other moving machinery from accessing the machine or its path. Provide adequate ventilation to carry away heat and vapors. Ensure service connections to installed machines meet local and national safety standards, especially regarding the electrical disconnect (see the National Electric Code). Prominently post safety information, including signs showing the source of electrical disconnect.

1.2. **Personnel**—Inform personnel about hazard avoidance and the importance of care and common sense. Provide personnel with the safety and operating instructions that apply to them. Verify that personnel use proper safety and operating procedures. Verify that personnel understand and abide by the warnings on the machine and precautions in the instruction manuals.

1.3. **Safety Devices**—Ensure that no one eliminates or disables any safety device on the machine or in the facility. Do not allow machine to be used with any missing guard, cover, panel or door. Service any failing or malfunctioning device before operating the machine.

1.4. **Hazard Information**—Important information on hazards is provided on the machine safety placards, in the Safety Guide, and throughout the other machine manuals. **Placards must be kept clean so that the information is not obscured. They must be replaced immediately if lost or damaged. The Safety Guide and other machine manuals must be available at all times to the appropriate personnel.** See the machine service manual for safety placard part numbers. Contact the Milnor Parts department for replacement placards or manuals.

1.5. **Maintenance**—Ensure the machine is inspected and serviced in accordance with the norms of good practice and with the preventive maintenance schedule. Replace belts, pulleys, brake shoes/disks, clutch plates/tires, rollers, seals, alignment guides, etc. before they are severely worn. Immediately investigate any evidence of impending failure and make needed repairs (e.g., cylinder, shell, or frame cracks; drive components such as motors, gear boxes, bearings, etc., whining, grinding, smoking, or becoming abnormally hot; bending or cracking of cylinder, shell, frame, etc.; leaking seals, hoses, valves, etc.) Do not permit service or maintenance by unqualified personnel.

2. Safety Alert Messages—Internal Electrical and Mechanical Hazards [Document BIUUUS11]

The following are instructions about hazards inside the machine and in electrical enclosures.

WARNING 1: Electrocution and Electrical Burn Hazards—Contact with electric power can kill or seriously injure you. Electric power is present inside the cabinetry unless the main machine power disconnect is off.

- Do not unlock or open electric box doors.
- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.
- Keep yourself and others off of machine.
- Know the location of the main machine disconnect and use it in an emergency to remove all electric power from the machine.

WARNING 2: Entangle and Crush Hazards—Contact with moving components normally isolated by guards, covers, and panels, can entangle and crush your limbs. These components move automatically.

- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.
- Keep yourself and others off of machine.
- Know the location of all emergency stop switches, pull cords, and/or kick plates and use them in an emergency to stop machine motion.

CAUTION 3: Burn Hazards—Contact with hot goods or machine components can burn you.

- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.

3. Safety Alert Messages—External Mechanical Hazards [Document BIUUUS12]

The following are instructions about hazards around the front, sides, rear or top of the machine.

4. Safety Alert Messages—Cylinder and Processing Hazards [Document BIUUUS13]

The following are instructions about hazards related to the cylinder and laundering process.

DANGER 4: Entangle and Sever Hazards—Contact with goods being processed can cause the goods to wrap around your body or limbs and dismember you.

- Do not attempt to open the door or reach into the cylinder until the cylinder is stopped.
- Do not touch goods inside or hanging partially outside the turning cylinder.
- Know the location of all emergency stop switches, pull cords, and/or kick plates and use them in an emergency to stop machine motion.
- Know the location of the main machine disconnect and use it in an emergency to remove all electric power from the machine.

WARNING 5: Crush Hazards—Contact with the turning cylinder can crush your limbs. The cylinder will repel any object you try to stop it with, possibly causing the object to strike or stab you.

- Do not attempt to open the door or reach into the cylinder until the cylinder is stopped.
- Do not place any object in the turning cylinder.

WARNING 6: Confined Space Hazards—Confinement in the cylinder can kill or injure you. Hazards include but are not limited to panic, burns, poisoning, suffocation, heat prostration, biological contamination, electrocution, and crushing.

- Do not attempt unauthorized servicing, repairs, or modification.

WARNING 7: Explosion and Fire Hazards—Petroleum and latex materials are flammable. They can produce explosive fumes when heated.

- Do not use flammable solvents in processing.
- Do not load machine with goods containing dry cleaning materials.
- Do not use the machine in the presence of solvent fumes.

WARNING 8: Poison and Corrosion Hazards—Synthetic solvents such as perchloroethylene are toxic. They can produce poisonous phosgene gas (mustard gas) and/or corrosive hydrochloric acid when heated.

- Do not load machine with goods containing dry cleaning materials.
- Do not use the machine in the presence of solvent fumes.

WARNING 9: Fire Hazards—Overheated goods can catch fire spontaneously in the machine or after discharge.

- Verify the overheat control system and plant fire extinguishers are functioning before operating the machine. Be sure to turn water supply on after testing.
- In the event of a fire, thoroughly wet all goods.
- Test or inspect the system after every automatic actuation, or monthly.

CAUTION 10: Burn Hazards—Contact with hot goods or machine components can burn you.

- Do not remove guards, covers, or panels.
- Do not reach into the machine housing or frame.
- Use care when handling recently-processed goods.

5. Safety Alert Messages—Unsafe Conditions [Document BIUUUS14]

5.1. Damage and Malfunction Hazards

5.1.1. Hazards Resulting from Inoperative Safety Devices

WARNING 11: Multiple Hazards—Operating the machine with an inoperative safety device can kill or injure personnel, damage or destroy the machine, damage property, and/or void the warranty.

- Do not tamper with or disable any safety device or operate the machine with a malfunctioning safety device. Request authorized service.

WARNING 12: Electrocution and Electrical Burn Hazards—Electric box doors—Operating the machine with any electric box door unlocked can expose high voltage conductors inside the box.

- Do not unlock or open electric box doors.

WARNING 13: Entangle and Crush Hazards—Guards, covers, and panels—Operating the machine with any guard, cover, or panel removed exposes moving components.

- Do not remove guards, covers, or panels.

WARNING 14: Fire Hazards—Sprinkler and overheat control—Failure to supply water to the sprinkler or to open the manual valve, or failure of the overheat control, eliminates the machine's internal fire protection. Normally the machine stops and water is sprayed into the cylinder if outlet temperature reaches 240 degrees Fahrenheit (116 degrees Celsius).

- Verify the overheat control system and plant fire extinguishers are functioning before operating the machine. Be sure to turn water supply on after testing.
- Keep the manual shut-off test valve open except when testing.
- Test or inspect the system after every automatic actuation, or monthly.

WARNING 15: Explosion and Fire Hazards—Gas train—Operating the machine with damaged or malfunctioning gas valves, safeties, controls, or piping can permit gas to escape into the fire box, cylinder, or laundry room. The enclosure will explode if gas comes in contact with any spark or flame.

- Do not operate the machine with any evidence of damage or malfunction.
- Stop the machine immediately and alert authorities if you smell gas.

5.1.2. Hazards Resulting from Damaged Mechanical Devices

WARNING 16: Multiple Hazards—Operating a damaged machine can kill or injure personnel, further damage or destroy the machine, damage property, and/or void the warranty.

- Do not operate a damaged or malfunctioning machine. Request authorized service.

5.2. Careless Use Hazards

5.2.1. Careless Operation Hazards—Vital Information for Operator Personnel (see also operator hazards throughout manual)

WARNING 17: Multiple Hazards—Careless operator actions can kill or injure personnel, damage or destroy the machine, damage property, and/or void the warranty.

- Do not tamper with or disable any safety device or operate the machine with a malfunctioning safety device. Request authorized service.
- Do not operate a damaged or malfunctioning machine. Request authorized service.
- Do not attempt unauthorized servicing, repairs, or modification.
- Do not use the machine in any manner contrary to the factory instructions.
- Use the machine only for its customary and intended purpose.
- Understand the consequences of operating manually.

CAUTION 18: Goods Damage and Wasted Resources—Entering incorrect cake data causes improper processing, routing, and accounting of batches.

- Understand the consequences of entering cake data.

5.2.2. Careless Servicing Hazards—Vital Information for Service Personnel (see also service hazards throughout manuals)

WARNING 19: Electrocution and Electrical Burn Hazards—Contact with electric power can kill or seriously injure you. Electric power is present inside the cabinetry unless the main machine power disconnect is off.

- Do not service the machine unless qualified and authorized. You must clearly understand the hazards and how to avoid them.
- Abide by the current OSHA lockout/tagout standard when lockout/tagout is called for in the service instructions. Outside the USA, abide by the OSHA standard in the absence of any other overriding standard.

WARNING 20: Entangle and Crush Hazards—Contact with moving components normally isolated by guards, covers, and panels, can entangle and crush your limbs. These components move automatically.

- Do not service the machine unless qualified and authorized. You must clearly understand the hazards and how to avoid them.

- Abide by the current OSHA lockout/tagout standard when lockout/tagout is called for in the service instructions. Outside the USA, abide by the OSHA standard in the absence of any other overriding standard.

WARNING 21: Confined Space Hazards—Confinement in the cylinder can kill or injure you. Hazards include but are not limited to panic, burns, poisoning, suffocation, heat prostration, biological contamination, electrocution, and crushing.

- Do not enter the cylinder until it has been thoroughly purged, flushed, drained, cooled, and immobilized.

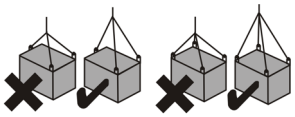
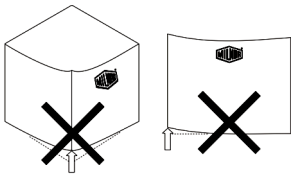
— End of BIUUUS27 —

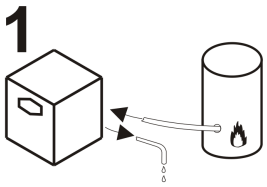
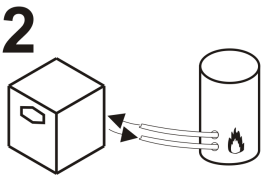
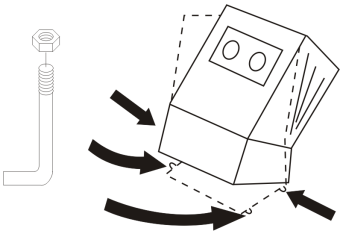
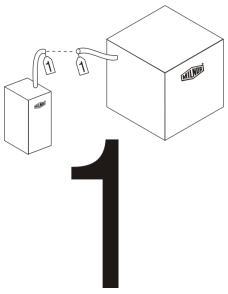
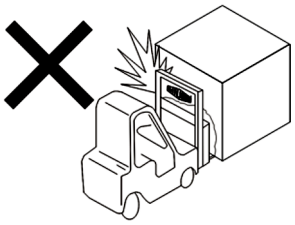
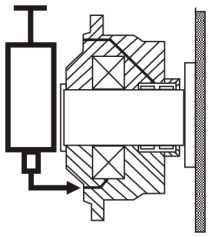
Understanding the Tag Guidelines for the Models Listed Below

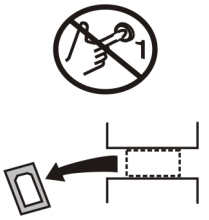
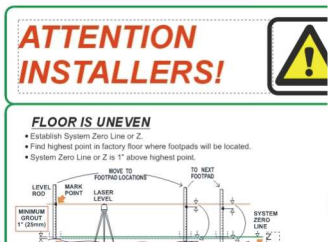
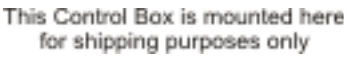
50040CS1	**50040SA1**	**50040SB1**	**50040TG1**	**50040TS1**	**50040TT1**	**5040TG2L**
5040TG2R	**5040TS2L**	**5040TS2R**	**58040CS1**	**58040CT1**	**58040SA1**	**58040SB1**
58040TG2	**58040TS1**	**58040TT1**	**58058CS1**	**58058CT1**	**58058RS1**	**58058SA1**
58058SB1	**58058TG2**	**58058TS1**	**58058TT1**	**58080CS1**	**58080CT1**	**58080SA1**
58080TG1	**58080TS1**	**58080TT1**	**64058TG1**	**6458ATG1**	**6458TG1L**	**6458TG1R**
6458TS1L	**6458TS1R**	**72072TG1**	**7272TG1L**	**7272TG1R**	**DRYVAC01**	**DRYVAC02**

Several installation guidelines and precautions are displayed symbolically, on tags placed at the appropriate locations on the machine. Some are tie-on and others are adhesive tags. Tie-on tags and white, adhesive tags may be removed after installation. Yellow adhesive tags must remain on the machine.

Most tags contain only symbols (no words). A few are worded. The explanations below, start with the tag part number (displayed on the tag). If a tag contains no words, the meaning of the tag is explained below. If the tag contains words, the explanation below simply repeats the wording.

Display or Action	Explanation
	Read the manual before proceeding. This symbol appears on most tags. The machine ships with a complete set of manuals. The safety, installation, and electrical schematic manuals are particularly important to installers.
	B2TAG88005: This carefully built product was tested and inspected to meet Milnor® performance and quality standards by
	B2TAG94078: Do not forklift here; do not jack here; do not step here—whichever applies.
	B2TAG94079: Rig for crane lifting (either 3-point or 4-point, depending on the number of lifting eyes provided) using a steep angle on the chains (closer to vertical than horizontal).
	B2TAG94081: Motor must rotate in this direction. On single motor washer-extractors and centrifugal extractors, the drive motor must turn in this direction during draining and extraction. This tag is usually wrapped around a motor housing. If the motor turns in the opposite direction when the machine is first tested, the electrical hookup is incorrect and must be reversed as explained in the schematic manual.
	B2TAG94084: Do not lift from one corner of the machine, as this can cause the frame to rack, damaging it.

Display or Action	Explanation
	B2TAG94091: Drain the condensate to the sewer during first one hour after commissioning a new machine or replacing the steam coil. This flushes out any residual anti-freeze that might be in the steam coil. After one hour, condensate can be returned to the boiler.
	
	B2TAG94101: The dryer has a rearward center of gravity and must be firmly anchored to the floor at all four corners.
	B2TAG94102 shown—others similar: Match up the components with this number. These tags are used to pair up electrical or hose connections between major components of a machine shipped dis-assembled.
	B2TAG94118: Do not strike shipping container during fork-lifting. Fragile components inside.
	B2TAG96007: Add grease here. Refer to the preventive maintenance schedule in the service manual.
	B2T2001017: Foam seal must be installed here before dryers are bolted together.

Display or Action	Explanation
	B2T2002013: Do not start the machine until shipping restraints are removed. This tag will appear on the outside of the machine to alert you to the presence of internal shipping restraints. A tag will also appear on the restraint to help identify it. Most, but not all shipping restraints display the color red. Some shipping restraints are also safety stands. Do not discard these.
	B2T2007003: Install the shuttle rail in accordance with this instruction and the installation manual.
	B2T2014022: This control box is mounted here for shipping purposes only. (Only used on 64" and 76" gas and steam dryers with a blower inverter.)

— End of BIUUUI02 —

Understanding the Tag Guidelines for the Models Listed Below

50040CS1	**50040SA1**	**50040SB1**	**50040TG1**	**50040TS1**	**50040TT1**	**5040TG2L**
5040TG2R	**5040TS2L**	**5040TS2R**	**58040CS1**	**58040CT1**	**58040SA1**	**58040SB1**
58040TG2	**58040TS1**	**58040TT1**	**58058CS1**	**58058CT1**	**58058RS1**	**58058SA1**
58058SB1	**58058TG2**	**58058TS1**	**58058TT1**	**58080CS1**	**58080CT1**	**58080SA1**
58080TG1	**58080TS1**	**58080TT1**	**64058TG1**	**6458ATG1**	**6458TG1L**	**6458TG1R**
6458TS1L	**6458TS1R**	**72072TG1**	**7272TG1L**	**7272TG1R**	**DRYVAC01**	**DRYVAC02**

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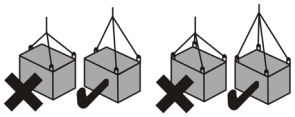
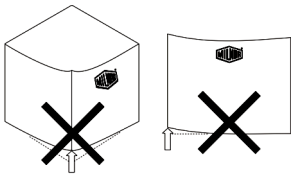
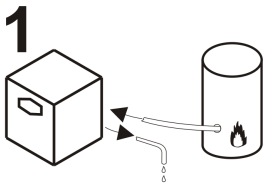
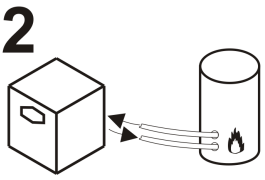
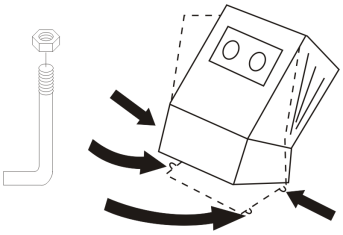
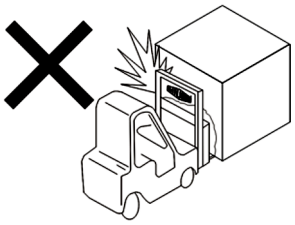
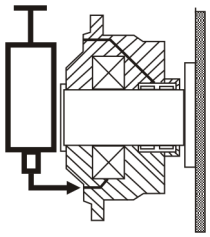
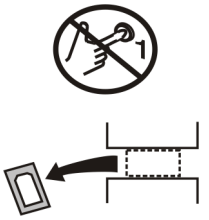
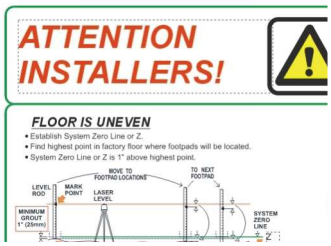
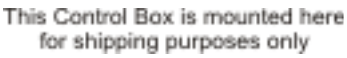
	B2TAG88005: This carefully built product was tested and inspected to meet Milnor® performance and quality standards by
	B2TAG94078: Do not forklift here; do not jack here; do not step here—whichever applies.
	B2TAG94079: Rig for crane lifting (either 3-point or 4-point, depending on the number of lifting eyes provided) using a steep angle on the chains (closer to vertical than horizontal).
	B2TAG94081: Motor must rotate in this direction. On single motor washer-extractors and centrifugal extractors, the drive motor must turn in this direction during draining and extraction. This tag is usually wrapped around a motor housing. If the motor turns in the opposite direction when the machine is first tested, the electrical hookup is incorrect and must be reversed as explained in the schematic manual.
	B2TAG94084: Do not lift from one corner of the machine, as this can cause the frame to rack, damaging it.

Display or Action	Explanation
	B2TAG94091: Drain the condensate to the sewer during first one hour after commissioning a new machine or replacing the steam coil. This flushes out any residual anti-freeze that might be in the steam coil. After one hour, condensate can be returned to the boiler.
	
	B2TAG94101: The dryer has a rearward center of gravity and must be firmly anchored to the floor at all four corners.
	B2TAG94102 shown—others similar: Match up the components with this number. These tags are used to pair up electrical or hose connections between major components of a machine shipped dis-assembled.
	B2TAG94118: Do not strike shipping container during fork-lifting. Fragile components inside.
	B2TAG96007: Add grease here. Refer to the preventive maintenance schedule in the service manual.
	B2T2001017: Foam seal must be installed here before dryers are bolted together.

Display or Action	Explanation
	B2T2002013: Do not start the machine until shipping restraints are removed. This tag will appear on the outside of the machine to alert you to the presence of internal shipping restraints. A tag will also appear on the restraint to help identify it. Most, but not all shipping restraints display the color red. Some shipping restraints are also safety stands. Do not discard these.
	B2T2007003: Install the shuttle rail in accordance with this instruction and the installation manual.
	B2T2014022: This control box is mounted here for shipping purposes only. (Only used on 64" and 76" gas and steam dryers with a blower inverter.)

— End of BIUUUI02 —

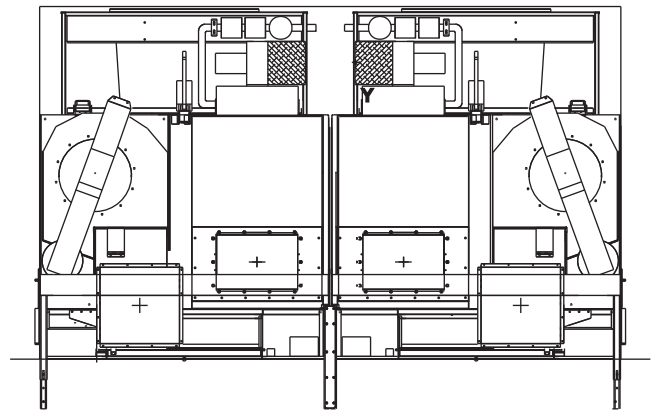
Safety Placard Use and Placement

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R 6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R 72072TG1L/R, TS1L/R

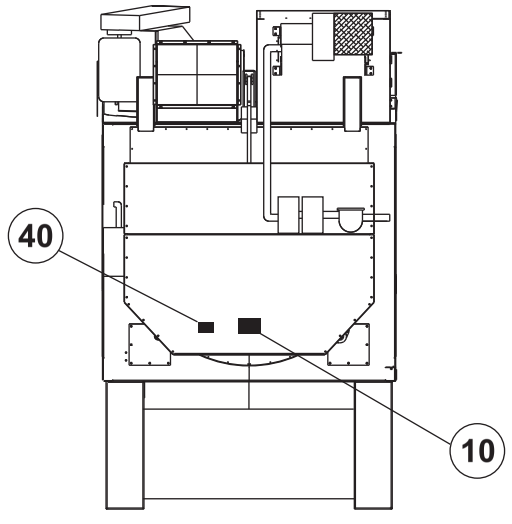
Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

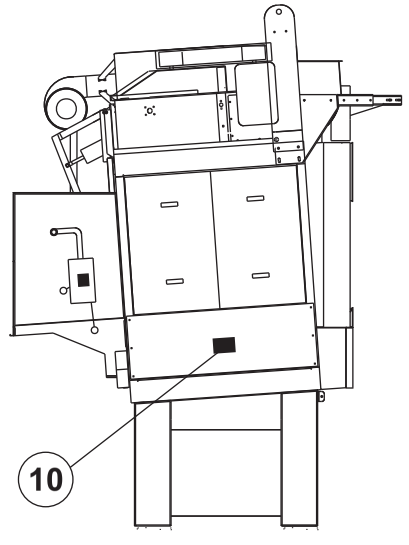
Notes:
1. **Replace placard immediately, if removed or unreadable.**
2. **Approximate locations of placards are shown. Mounting holes are provided on machine. If aluminum placard use #8 self-tapping screws.**



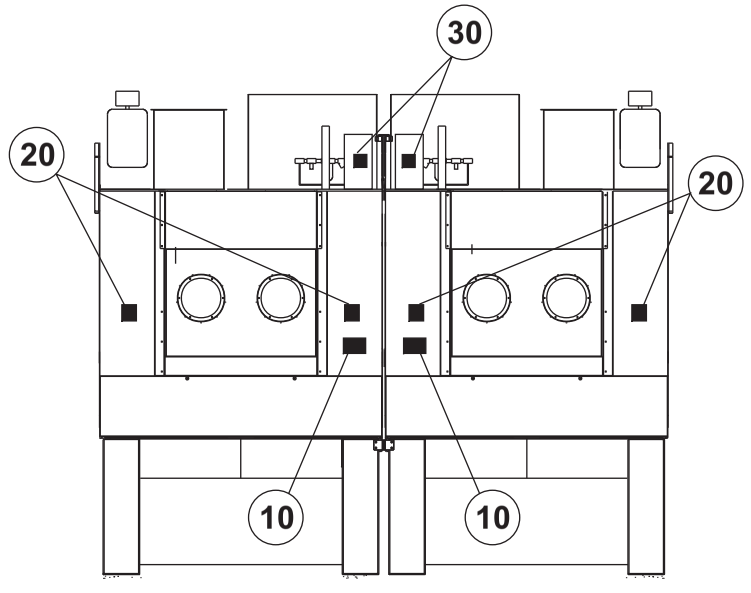
BLOWER LEFT MODEL **BLOWER RIGHT MODEL**
PLAN VIEW



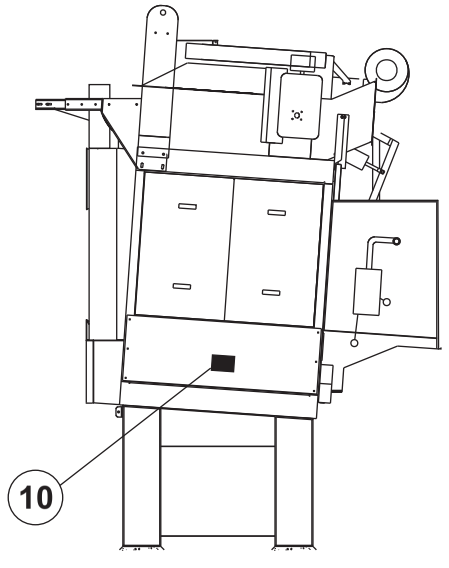
TYPICAL REAR VIEW



LEFT VIEW SERVICE SIDE BLOWER LEFT MODEL



BLOWER LEFT MODEL **BLOWER RIGHT MODEL**
FRONT VIEW



RIGHT VIEW SERVICE SIDE BLOWER RIGHT MODEL

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Litho in U.S.A.

Parts List—Safety Placard Placement

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
----------	----------	----------	----------ASSEMBLIES----------	----------
			none	
----------	----------	----------	----------COMPONENTS----------	----------
all	10	01 10451B	NPLT:DRYER WARNINGS-TCATA	
all	20	01 10377A	NPLT:ELEC HAZARD LG-TCATA	
all	30	01 10375B	NPLT:ELEC HAZARD SMALL-TCATA	
all	40	01 10699A	NPLT:SERV HZRD-PLYEST-TCATA	

Safety Placard Use and Placement ISO

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R 6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R 7272TG1L/R, TS1L/R

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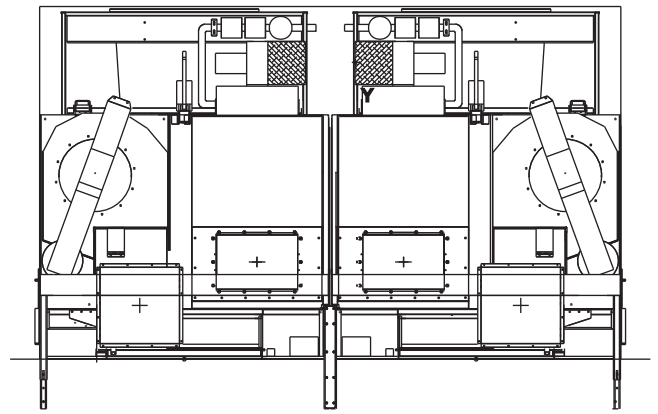
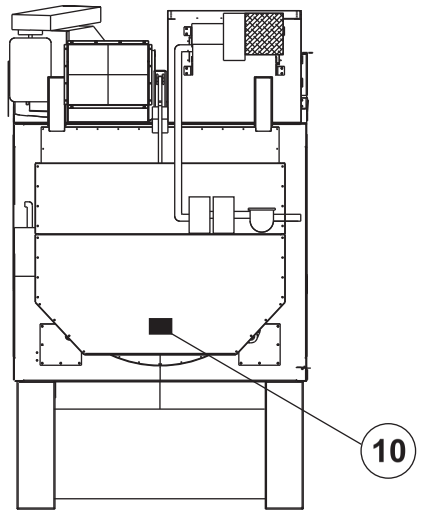
ISO Placards shown on this page

Notes:

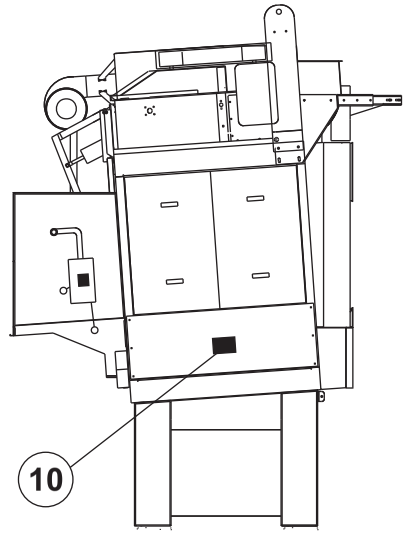
1. **Replace placard immediately, if removed or unreadable.**
2. **Approximate locations of placards are shown. Mounting holes are provided on machine. If aluminum placard use #8 self-tapping screws.**



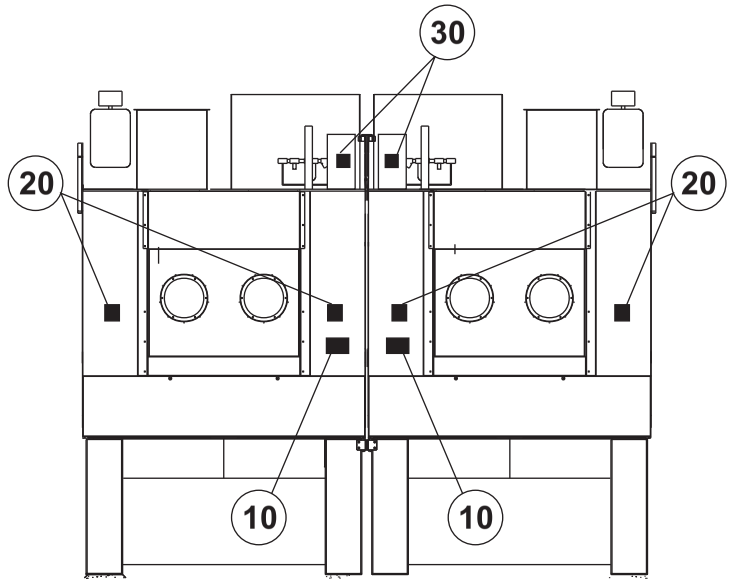
BLOWER LEFT MODEL **BLOWER RIGHT MODEL**
PLAN VIEW



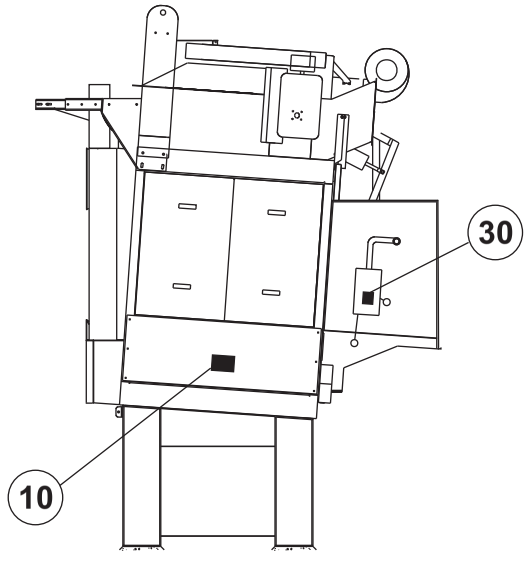
TYPICAL REAR VIEW



LEFT VIEW SERVICE SIDE BLOWER LEFT MODEL



BLOWER LEFT MODEL **BLOWER RIGHT MODEL**
FRONT VIEW



RIGHT VIEW SERVICE SIDE BLOWER RIGHT MODEL

Pellerin Milnor Corporation
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Litho in U.S.A.

Parts List—Safety Placard Placement

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
----------	----------	----------	----------ASSEMBLIES----------	----------
			none	
----------	----------	----------	----------COMPONENTS----------	----------
all	10	01 10451X	NPLT:DRYER WARNINGS -ISO	
all	20	01 10377	NPLTE:"WARNING" 4X4	
all	30	01 10375	NPLTE:"WARNING" 2X2	

Guards & Covers

6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R 7272TG1L/R

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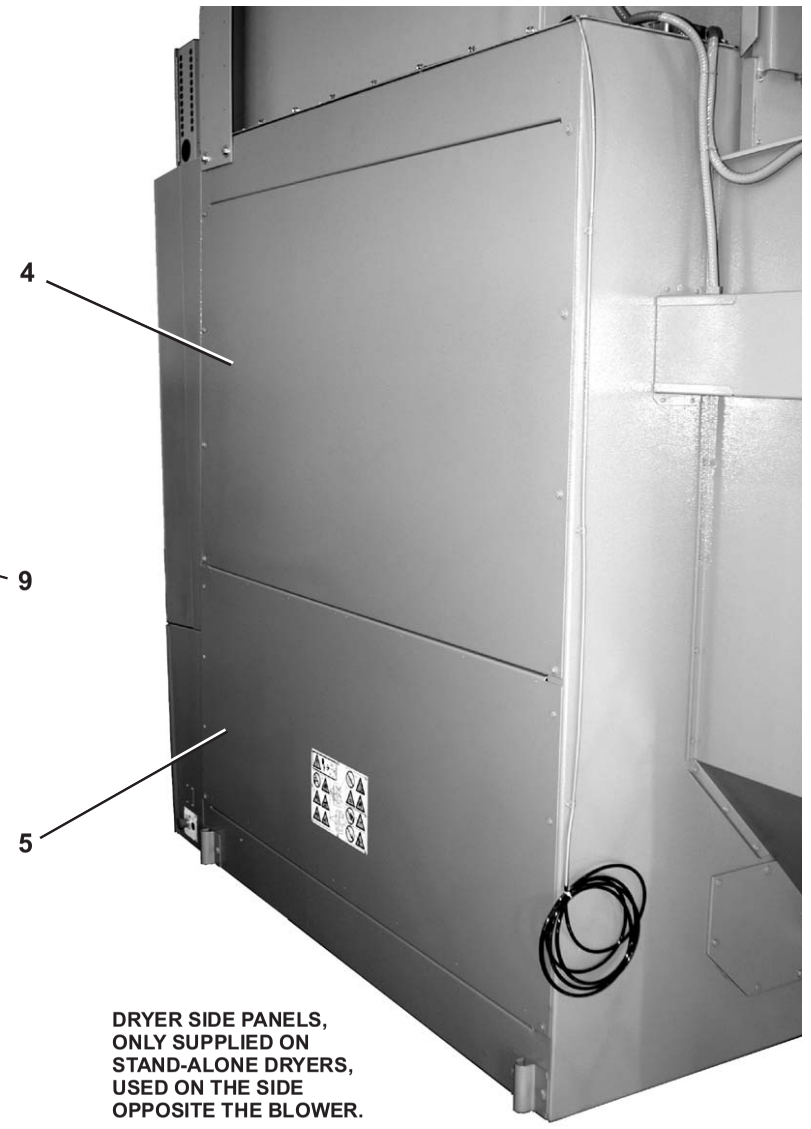

DRYER SIDE PANELS,
ONLY SUPPLIED ON
STAND-ALONE DRYERS,
USED ON THE SIDE
OPPOSITE THE BLOWER.

Guards & Covers

6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R 7272TG1L/R

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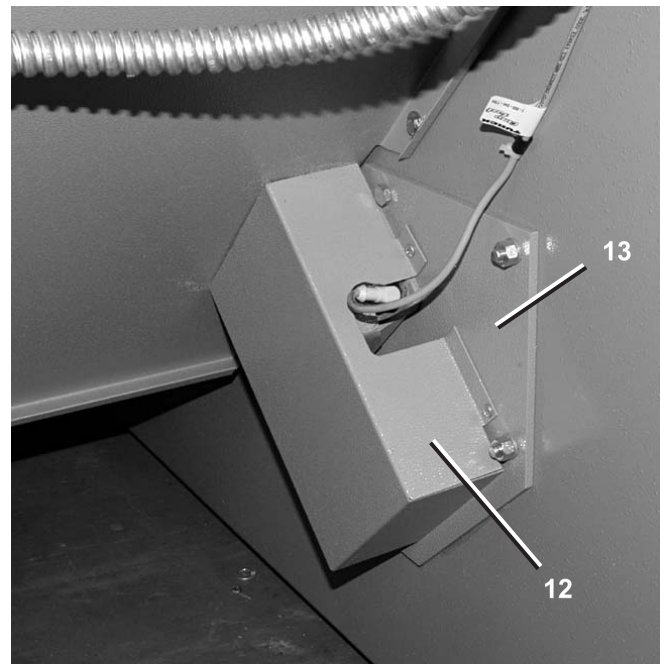

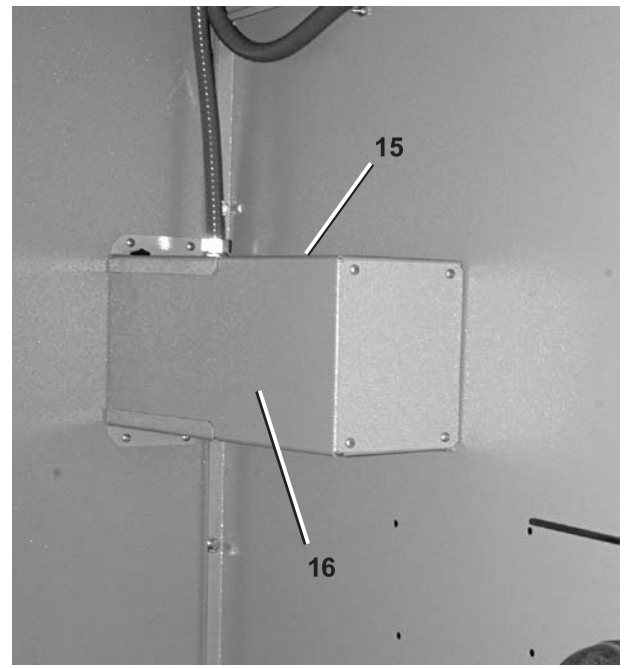

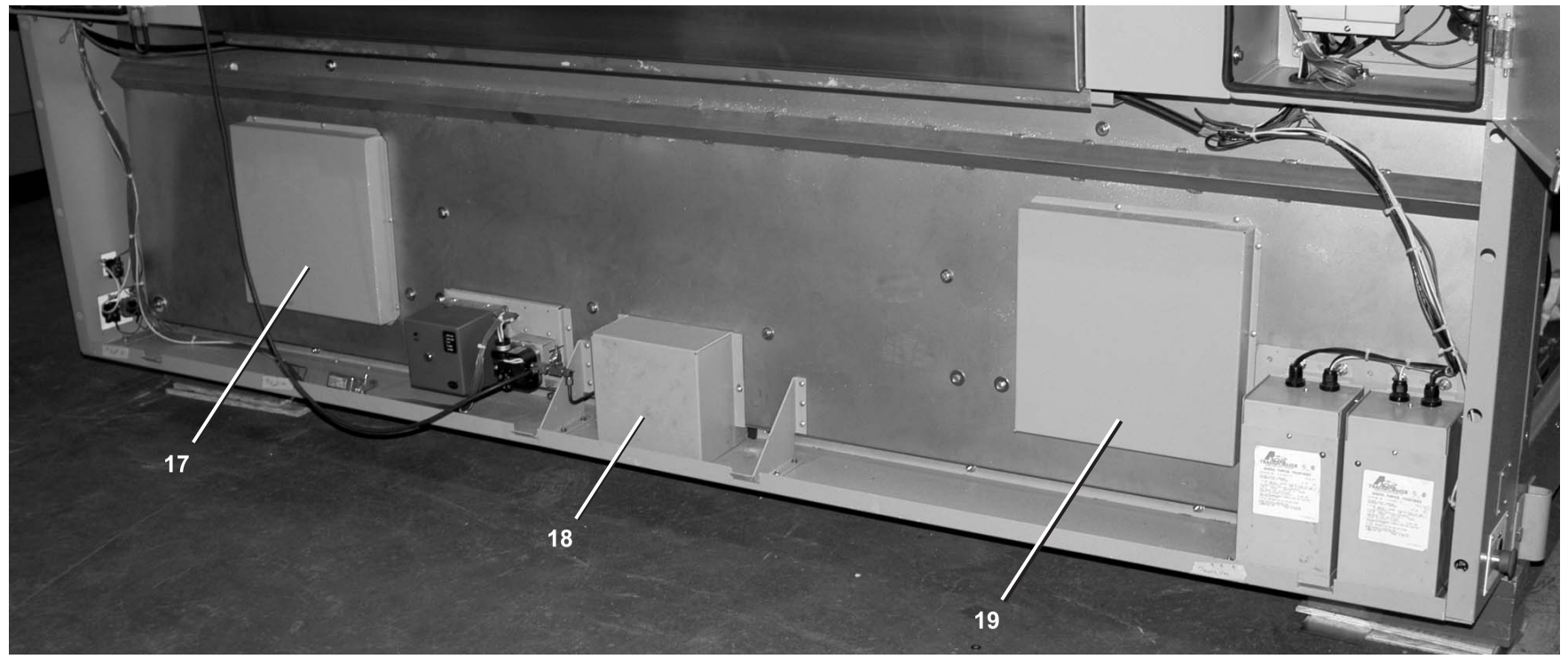

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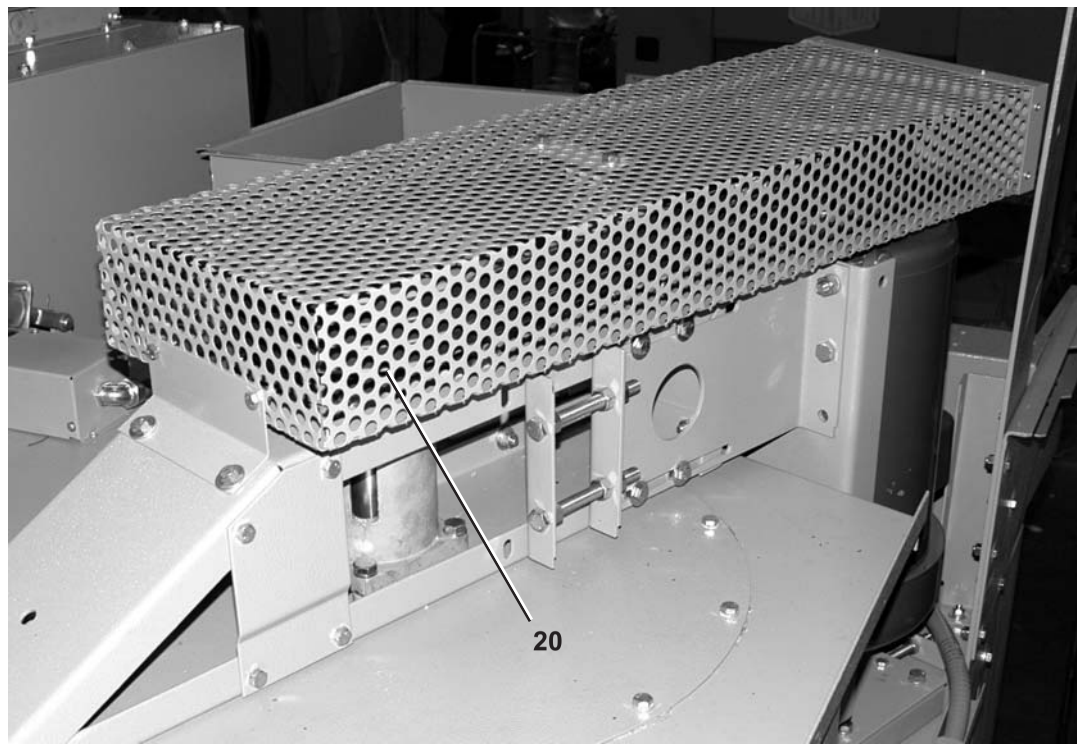

Parts List—Guards & Covers

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A			6458 DRYERS
	B			6464 DRYERS
	C			7272 DRYERS
			----------COMPONENTS----------	
A	1	07 81398	7272 HOUSE SIDE PLATE UPPER	
B	1	A77SD015	6458 SIDE DOOR ASSY WITH CVR	
C	1	A77SD020	ASST=6464 SIDE DOOR W/ FLAP	
A	2	A77SD015A	6458 SIDE DOOR ASSY NO CVR	
B	2	A77SD020A	ASSY=6464 SIDE DOOR W/O FLAP	
C	2	A79SC001	7272 LOW CVR BLOWER SIDE	
A	3	07 71435	6458 LINT SIDE LOWER COVER	
B	3	07 81435	7272 BLOW SIDE LOWER COVER	
C	3	07 72028	6464 LOWER SIDE COVER	
A	4	07 71397	6458 HOUSE SIDE PLATE UPPER	
B	4	07 72029	6464 HOUSE SIDE PLATE UPPER	
C	4	07 81398	7272 HOUSE SIDE PLATE UPPER	
A	5	A77SC001	6458 LOWER SIDE COVER ASSY	
B	5	A77SC010	6464 LOWER SIDE COVER ASSY	
C	5	A79SC001	7272 LOW CVR BLOWER SIDE	
all	6	07 71205	FRONT COSMETIC - LOWER DOOR	
all	7	W3 D1356R	WELD:DOOR 6458TG1 DRYER RIGHT	
all	8	07 71201W	6458 FRONT COSM UPPER	
all	9	W3 D1356L	WELD:DOOR 6458TG1 LEFT LH	
all	10	07 71204W	6458 COSM LOWER THRESHOLD	
all	11	07 50428	SPRINKLER VALVE COVER DRYER	
all	12	07 71317	6458 REAR BEARING COVER	
all	12	07 81317	7272 REAR BEARING COVER	
all	13	07 71280	6458 SUPP/DRIVE BEAR MTG PLT	
all	14	07 71280A	7272 DRIVE BEARING COVER	
all	15	07 71306	6458 TEMP PROBE BOX	
all	16	07 71307	6458 TEMP PROBE BOX COVER	
all	17	07 71231	COVER BRG NO HOLE LF END	
all	18	W7 50129	*COVER GUIDE ROLLER WELDED	
all	19	07 71231A	COVER BRG NO HOLE RT END	
AB	20	A77BA002	*5880 BLOWER BELT GUARD ASSY	
C	20	A79BA002	7272 BLOWER BELT GUARD ASSY	

Side Doors

6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R

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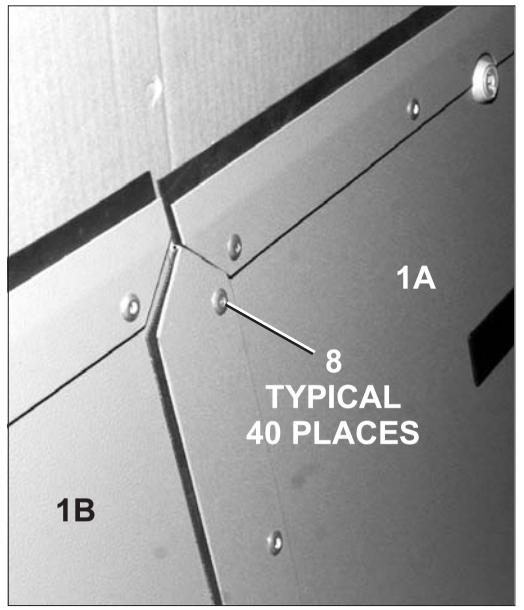
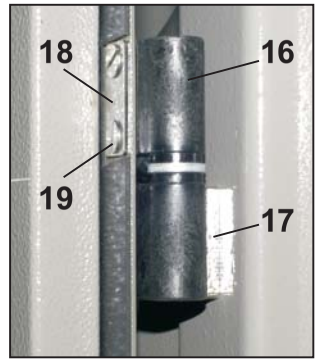
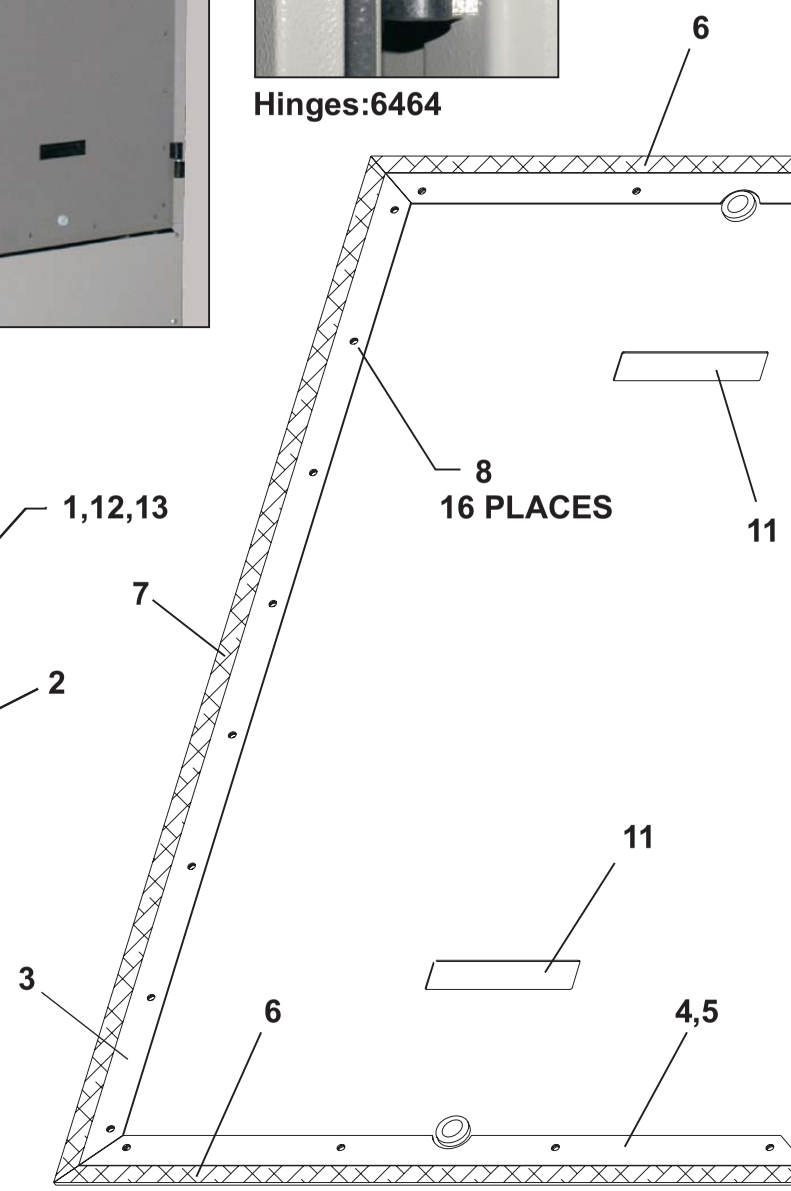
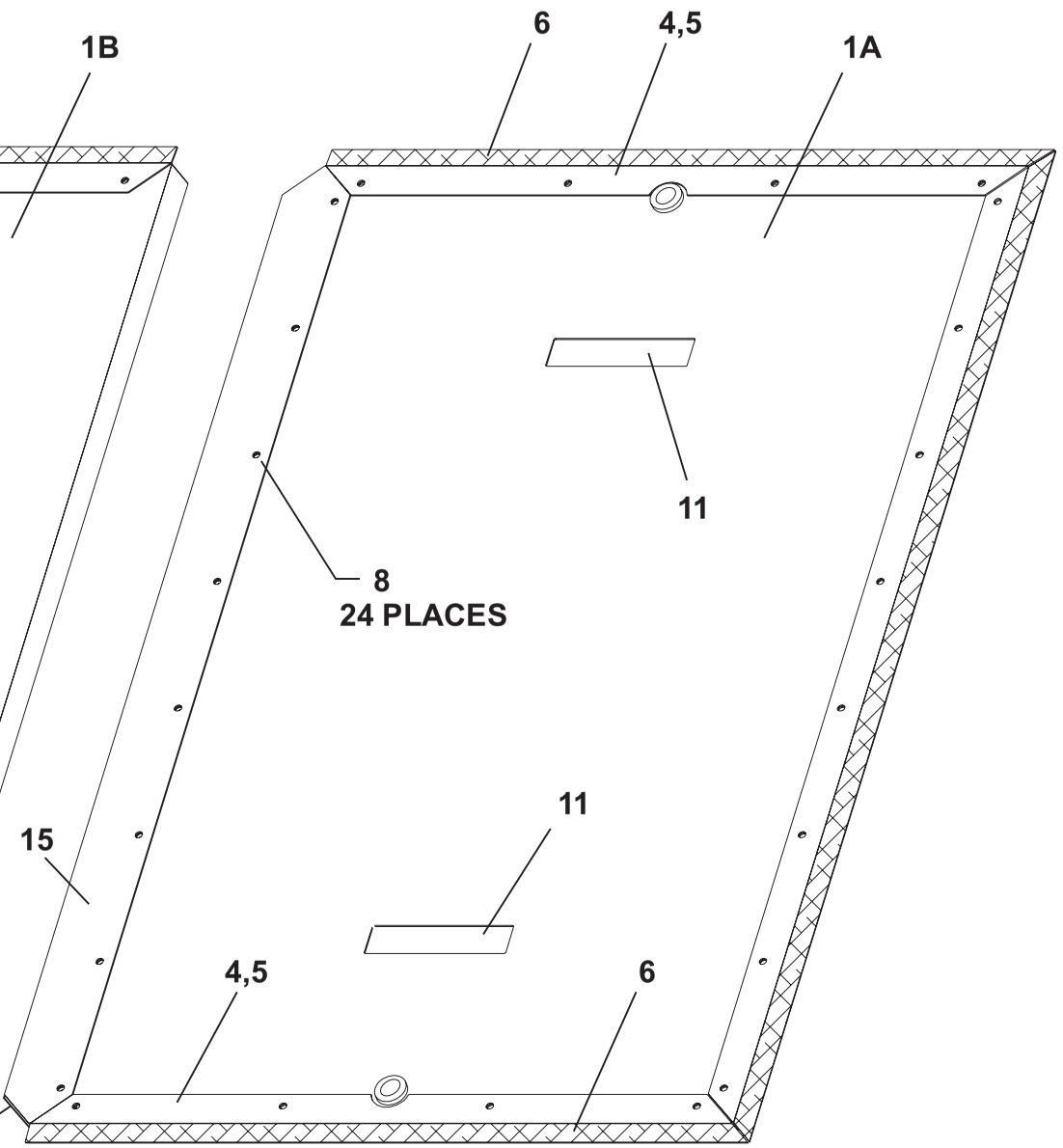
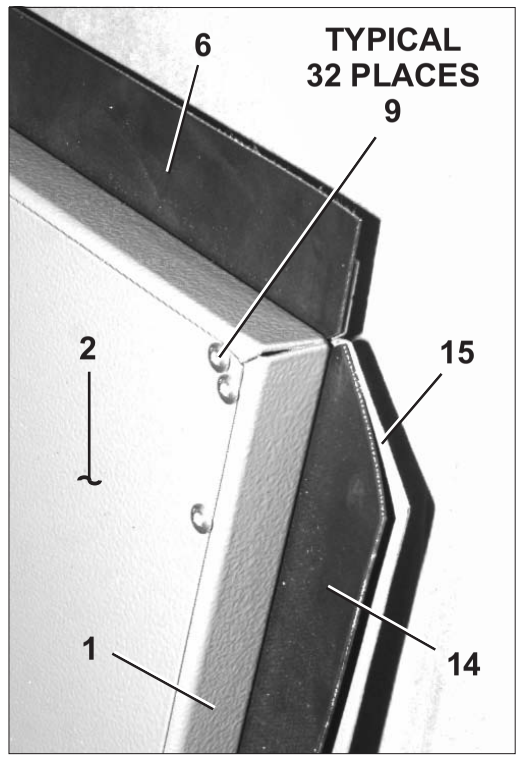


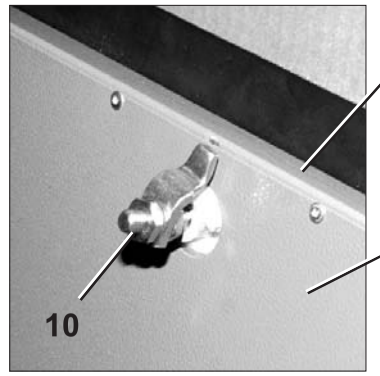


Hinges:6464









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Parts List— Side Doors

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A77SD015	6458 SIDE DOOR ASSY WITH CVR	6458TG1R/L,TS1R/L
	B	A77SD015A	6458 SIDE DOOR ASSY NO CVR	6458TG1R/L,TS1R/L
	C	A77SD020	ASST=6464 SIDE DOOR W/ FLAP	6464TG1R/L,TS1R/L
	D	A77SD020A	ASSY=6464 SIDE DOOR W/O FLAP	6464TG1R/L,TS1R/L
			----------COMPONENTS----------	
AB	1	07 71427A	6458 SIDE DOOR OUTER=LIFT OFF	
C	1	07 72030	6464 SIDE DOOR OUTER W/ FLAP	
D	1	07 72031	6464 SIDE DOOR OUTER W/O FLAP	
AB	2	07 71428A	6458 SIDE DOOR INNER=LIFT OFF	
CD	2	07 72032	6464 SIDE DOOR INNER	
all	3	07 71440	6458 SIDE DOOR VERT RET-ANG	
all	4	07 71441	6458 SIDE DOOR HORZ RET-ONE	
all	5	07 71441A	6458 SIDE DOOR HORZ RET-TWO	
AB	6	07 71444	6458 SIDE DOOR SEAL TOP&BOT	
CD	6	07 72033	6464 SIDE DOOR SEAL TOP&BOTTOM	
all	7	07 71445	6458 SIDE DOOR SEAL OUTER	
all	8	15J021B	1/4 X .50 ALUM RIVET	
AB	9	15J065	POPRIVET 5/32 DIA X.425L AL/ST	
CD	9	15J069	POPRIVET 3/16 DIAX.450L S/S-64	
all	10	27A102M	VISE-ACT.DBBIT.LATCH#E3-12-27	
all	11	27A118	POCKET PULL FLUSH HDLE #P2-52	
all	12	98P030	INSUL.FIBRGLS.24X48X1+1/2E=1SH	
AB	13	07 71443	6458 SIDE DOOR STIFFENER	
CD	13	07 71443A	SIDE DOOR STIFFENER	
all	14	07 71446	6458 SIDE DOOR SEAL INNER	
all	15	07 71442	6458 SIDE DOOR VERT RET-FLAT	
all	16	27A115	OFFSET HINGE RGTHD FREESWING	
all	17	07 71483	SIDE DOOR HINGE BACKUP PLATE	
all	18	07 71482	SIDE DOOR HINGE MNT PLATE	
all	19	15N176	FLATMACSCR 1/4-20NCX3/4SS18-8	

Side Doors
7272TG1L,TG1R

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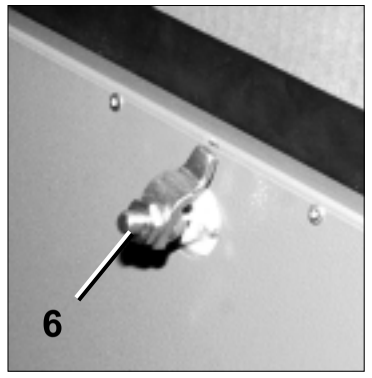

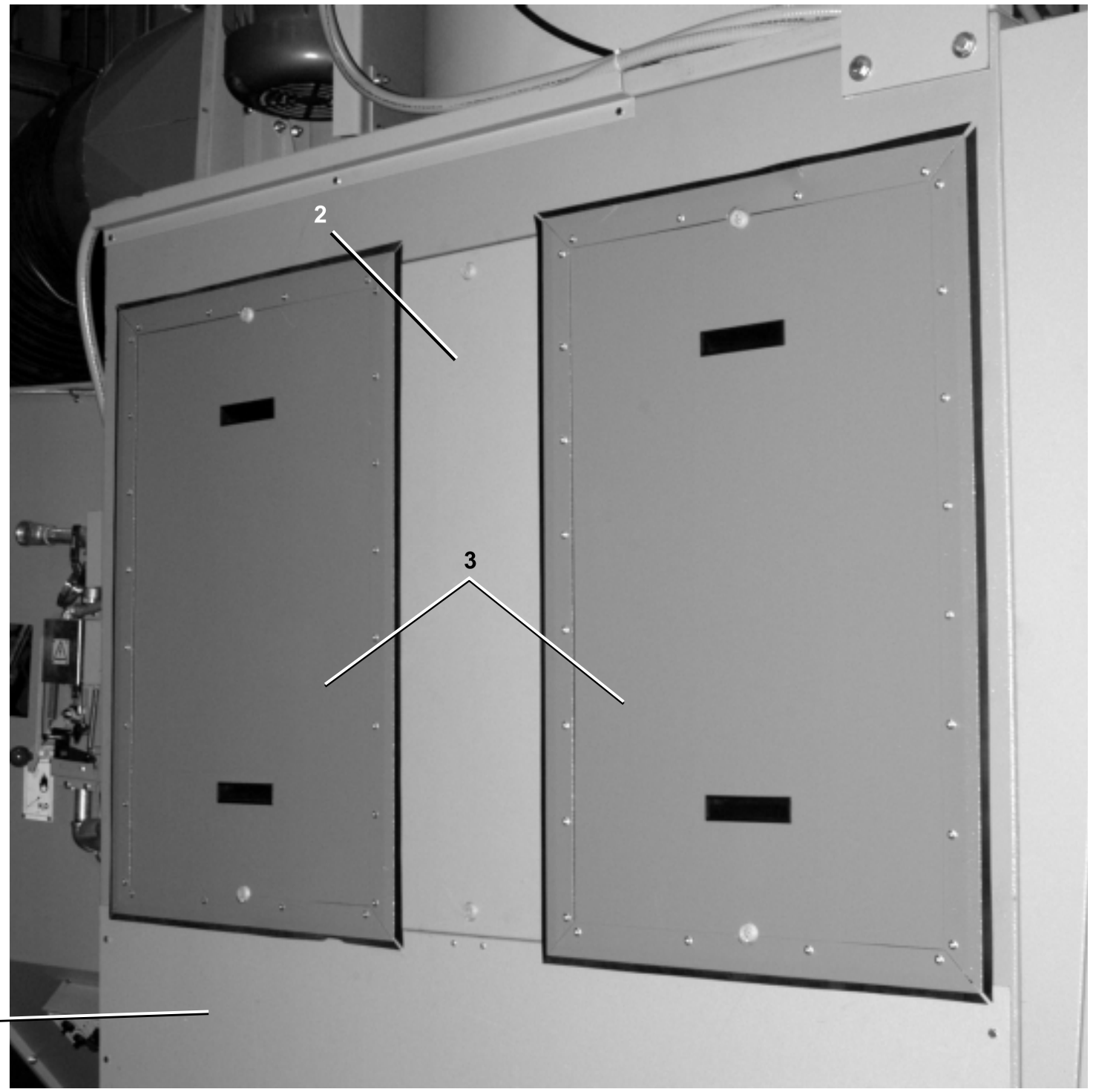

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Parts List—Side Doors 7272TG1L,TG1R

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

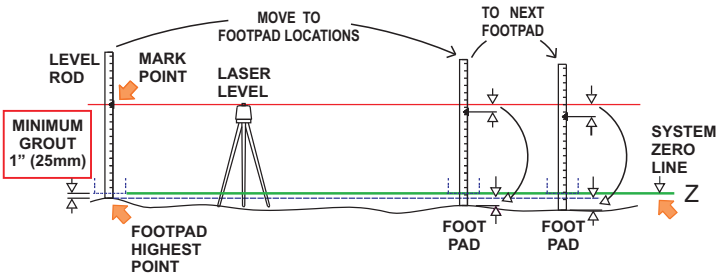
Used In	Item	Part Number	Description	Comments
----------ASSEMBLIES----------				
	A	G79SH001	7272 HOUSE INSTALL BLOWER LF	
	B	G79SH001A	7272A HOUSE INSTALL BLOWER RT	
----------COMPONENTS----------				
all	1	A79SC001	2004234C 7272 LOW CVR BLOWER SIDE	
all	2	A79SP002	2004233C 7272 SIDE PANEL VERT	
all	3	A79SD015	2004233D 7272 SIDE DOOR ASSEMBLY	
all	4	07 81444	2004233C 7272 SIDE DOOR SEAL TOP&BOT	
all	5	07 71445	2002132D 6458 SIDE DOOR SEAL OUTER	
all	6	27A102M	VISE-ACT.DBBIT.LATCH#E3-12-27	

Installation 2

ATTENTION INSTALLERS!

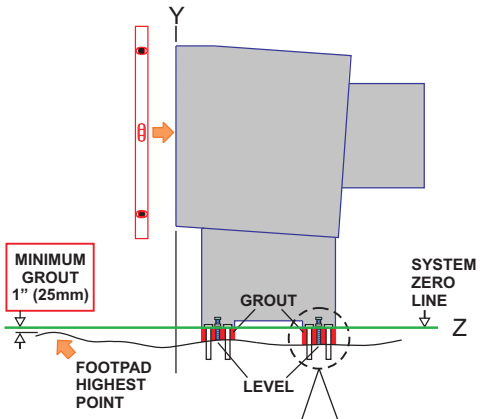
FLOOR IS UNEVEN

- Establish System Zero Line or Z.
- Find highest point in factory floor where footpads will be located.
- System Zero Line or Z is 1" above highest point.



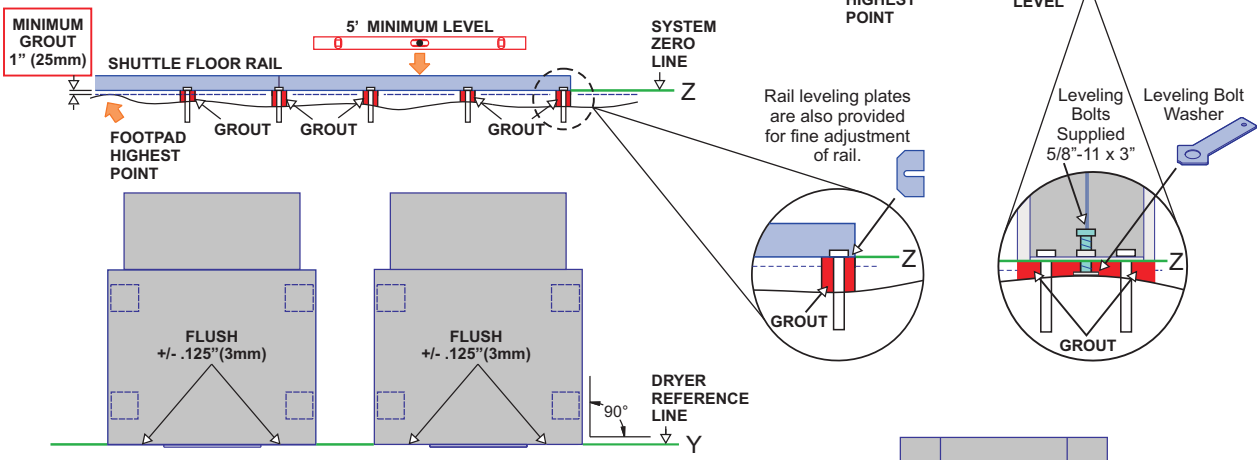
DRYER FEET MUST BE GROUTED

- Level with leveling bolt to System Zero Line or Z.
- Grout & anchor all footpads.

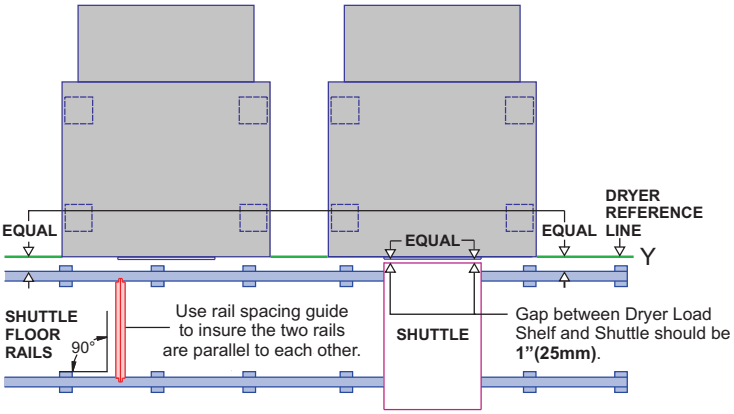


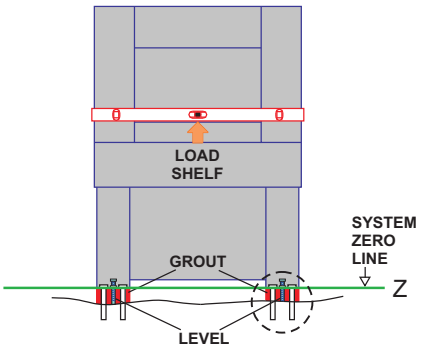
SHUTTLE RAIL BRACKETS MUST BE GROUTED TO Z

- Shim & level to System Zero Line or Z.
- Grout & anchor all brackets.



DRYER FACES MUST BE FLUSH





DRYER MUST BE LEVEL

SHUTTLE RAILS MUST BE PERFECTLY PARALLEL TO DRYER FACES

- Floor rails must be parallel, level, and square along entire length of rail.

B2T2007003/2013125A

BIPD6I02 (Published) Book specs- Dates: 20130411 / 20130411 / 20130411 Lang: ENG01 Applic: PD6

Dryer Installation

After testing, the machine is disassembled and shipped in three parts: house and leg pallets and a box containing miscellaneous brackets and panels.

1. Handling Precautions

1. Remove the protective coverings (leaving the machine on its shipping skids) and examine the components carefully for possible shipping damage. If the machine is damaged, notify the transportation company immediately.

   Note 1: Once the machine is given to the carrier for delivery, it is the sole responsibility of the **carrier** to ensure that no damage occurs during transit. In addition to readily apparent damage, carriers are liable for concealed damage. **Do not hesitate to file a claim with the carrier if the machine has been damaged in any way during shipment.** Milnor® will be glad to assist you in filing your claim, but is not responsible for shipping damage to the machine once it has been delivered to the carrier in good condition.

   Note 2: The spreader bar mounting bolts (Figure 3) are inaccessible once the machines are mounted side by side. Remove the spreader bar immediately after installing the legs, before setting or anchoring dryer. Do not remove the lift plates as they are used to tie machines together.

2. Lifting plates are provided on the top of the house and are tagged as such. These lifting plates must be used if lifting by crane.
3. Use the skids for fork lifting and, if possible, leave the machine on its shipping skids until it is about to be assembled and placed in its final position. Once the skids are removed, take care in placing forks under the machine. **Do not allow the forks to come in contact with valves, piping, etc., located on the machine.**
4. Never push, pull, or exert pressure on any components that protrude from the machine frame.
5. Consult the Milnor factory if components such as the blower housing must be removed to fit machine through openings.

Figure 1: Front Lifting Plate

Figure 2: Rear Lifting Plate

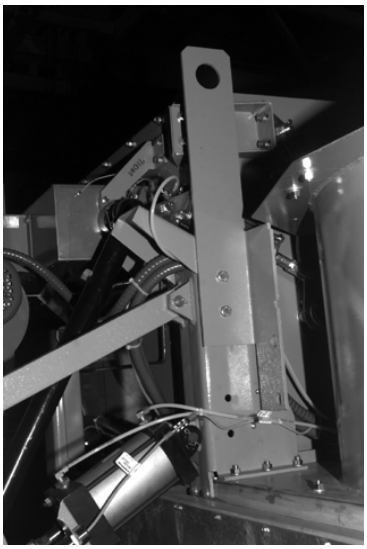
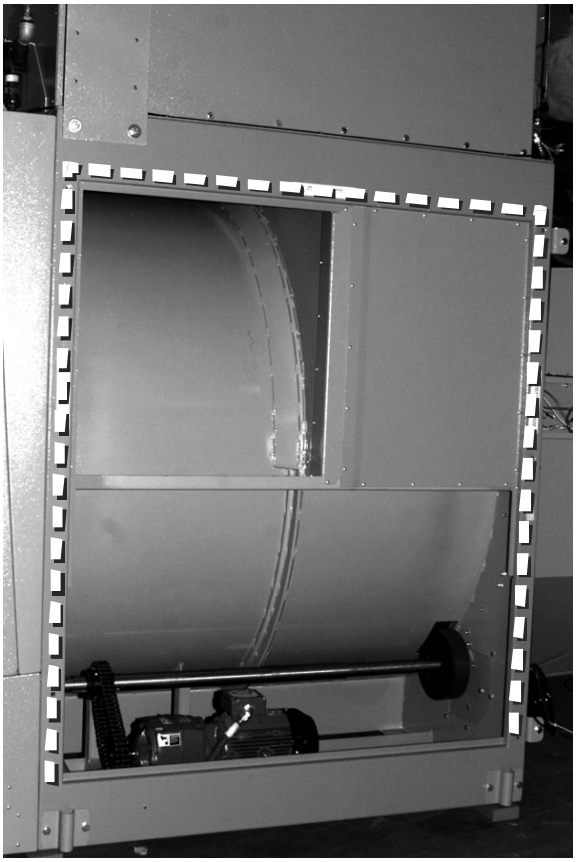


Figure 3: Spreader Bar Between Front Lifting Plates

Figure 4: Apply sealing foam to left house before setting into position



2. Site Requirements

2.1. Clearances

Notice 1: Machine Damage—Provide sufficient clearance and access on all sides for service procedures.

The following requirements must be taken into consideration when transporting and locating the machine to a particular site within the laundry.

1. Sufficient clearances must exist to move the machine into the laundry. All openings and corridors through which equipment must pass must be of sufficient size to accommodate the width and height of the skidded house assembly (shown on the dimensional drawing), which is the largest of the parts of the machine (house and base) skidded separately for shipment. It is occasionally possible to reduce the overall dimensions by removing piping and by other special modifications. Consult the Milnor factory for more information.
2. Provide sufficient clearance around machine for normal operation and maintenance procedures.
3. Ensure sufficient ventilation exists for the heat and vapors of normal operation to dissipate.
4. Provide adequate airflow for optimum machine performance. Normally, this means connecting the machine to an outside air source.

2.2. Foundation—The machine must be anchored in accordance with the installation instructions. The floor and/or all other support components must have sufficient strength (and rigidity with due consideration for the natural or resonant frequency thereof) to withstand the fully loaded weight of the machine including the wet goods and any repeated sinusoidal (rotating) forces generated during its operation. Determining the suitability of floors, foundations, and other supporting structures normally requires analysis by a qualified structural engineer.

3. Assembly

3.1. Installing the Legs on the House—It is usually easiest to install the legs on the house then use a fork lift to set the machine in place.

1. Read all related tags prior to assembly.
2. Verify that the doors are closed and secured.
3. Unfasten house from the shipping skid. Once skids are removed, take care in placing forks under the machine. **Do not allow forks to come in contact with valves, piping, motors, etc., located under the machine.**
4. Install the provided foam seal along the path indicated by decals on the machine. This seal is only installed on the left side machine of a left and right pair (Figure 4).
5. Raise the house using the three designated lifting plates located on the top of the machine.
6. Install the legs and filler plates on the house.
7. Remove the spreader bar (Figure 3).
8. Carefully move the machine into place.
9. Repeat the assembly process as required for the adjacent machine (if paired).

3.2. Anchoring

WARNING 2: Crush and Machine Damage Hazards—This machine has a rearward center of mass and will fall rearward (toward the discharge end) if not properly anchored to the foundation.

- Install anchor bolts as soon as machine is in position and before making service connections. Install anchor bolts in accordance with the dimensional drawing.
- Keep bystanders clear of machine during installation.

Machines must be securely anchored to an adequate foundation. Anchor bolt locations and foundation specifications are provided on the dimensional drawing (see Table of Contents). Never install anchor bolts securely in the foundation using only the information on the dimensional drawing. Anchor bolts must not be installed until the machine is on site so that the machine itself may be used to determine precise anchor bolt locations. Consult Milnor if any obstruction prevents the installation of any anchor bolts. **Anchor bolts cannot be indiscriminately omitted.**

3.3. Leveling Procedures

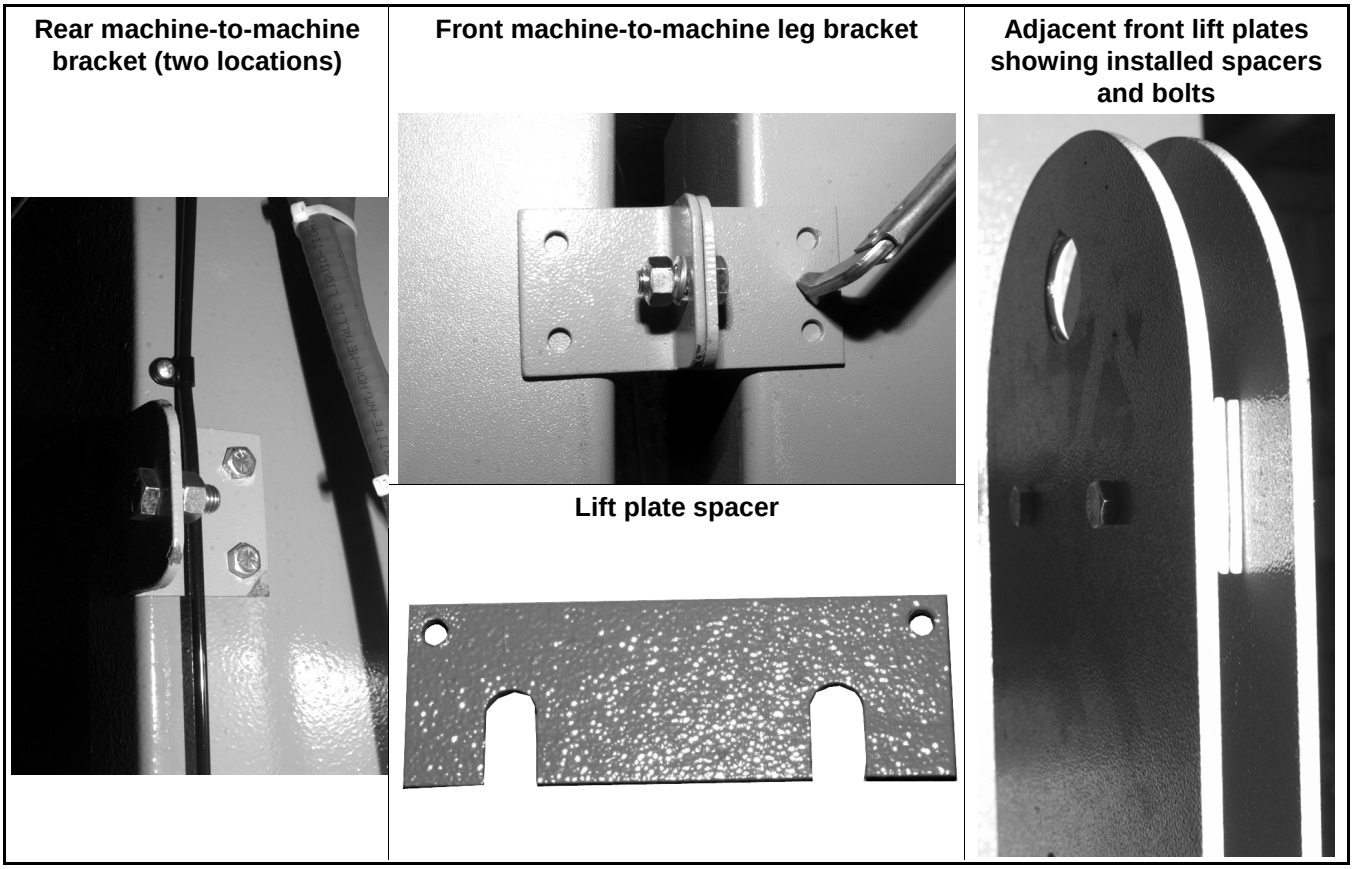
1. Establish System Zero Line or Z. Find the highest point in the factory floor where footpads will be located. The system Zero Line or Z is 1"(25MM) above the highest point.
2. Install the anchor bolts.
3. Level with leveling bolts until the bottom of the pedestal feet are on System Zero Line or Z. Level **both left to right and front to back**.
4. Use a carpenter's level to verify that the machine is level.

5. Dryer feet must be grouted. Grout all footpads.
6. Tighten all foundation bolts until they contact the top of the base plates.
7. Tighten all the bolts evenly, **one-quarter of a turn each time on every bolt** until all bolts are uniformly tight. After tightening, check each fastener separately at least twice.

3.4. Machine-to-Machine Brackets—Machine to machine brackets hold paired dryers in place after each machine is anchored and leveled. Install these brackets as follows:

- Install the rear brackets (Figure 5).
- Assemble front machine-to-machine leg bracket. Mark and drill mounting holes and install the leg bracket (Figure 5).
- Install bolts between the front lift plates of adjacent machine pairs. Do not tighten bolts at this time.
- Slide the lift plate spacers in between the front lift plates (Figure 5). Tighten bolts when done.

Figure 5: Machine-to-Machine Brackets and Spacers



3.5. Check Cylinder Interior—Check the interior of the perforated cylinder for smoothness before placing the machine in service. Milnor cannot accept claims for damage to the cylinder's smooth finish after the machine has been placed in service.

— End of BIPD6I02 —

Lifting Brackets

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R 6458TG1R/L 6464TG1R/L 7272TG1R/L

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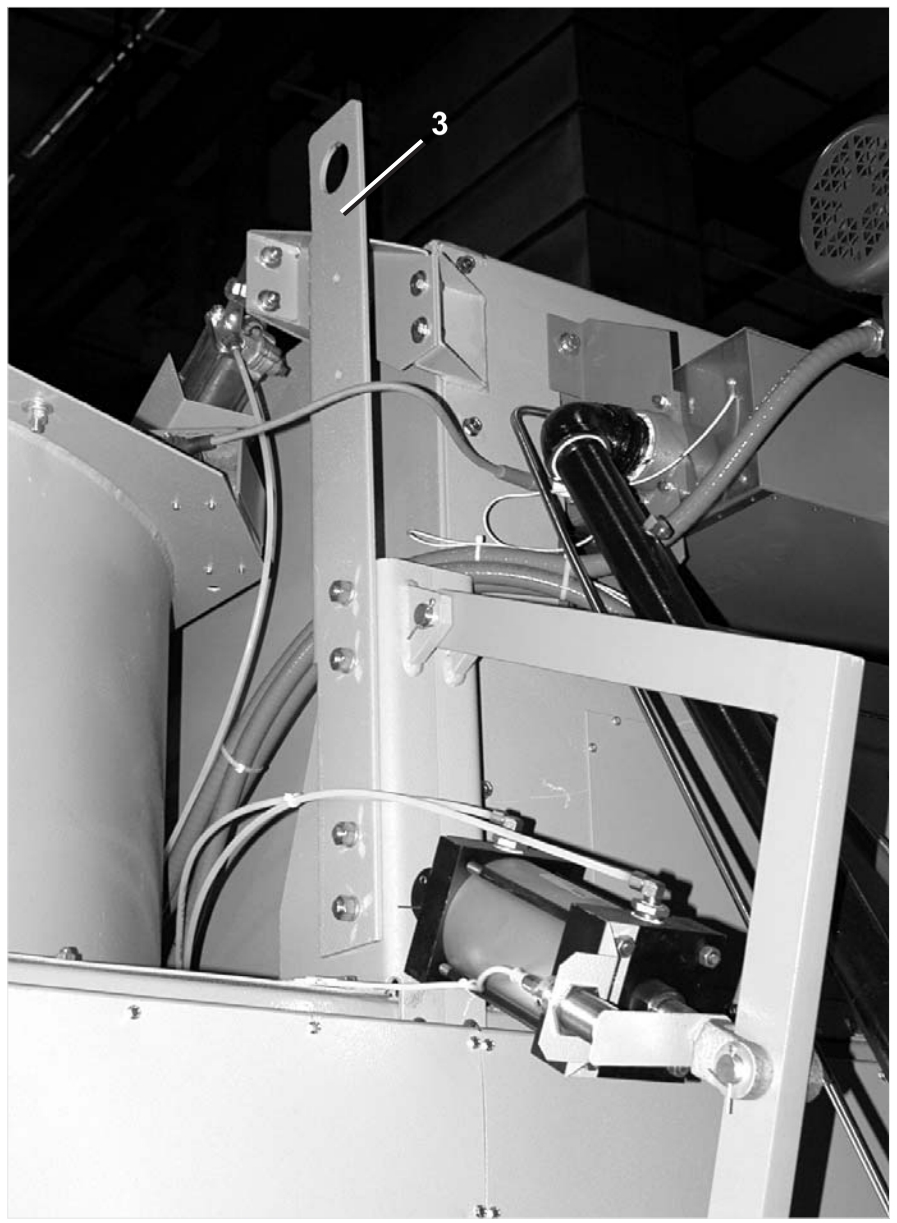
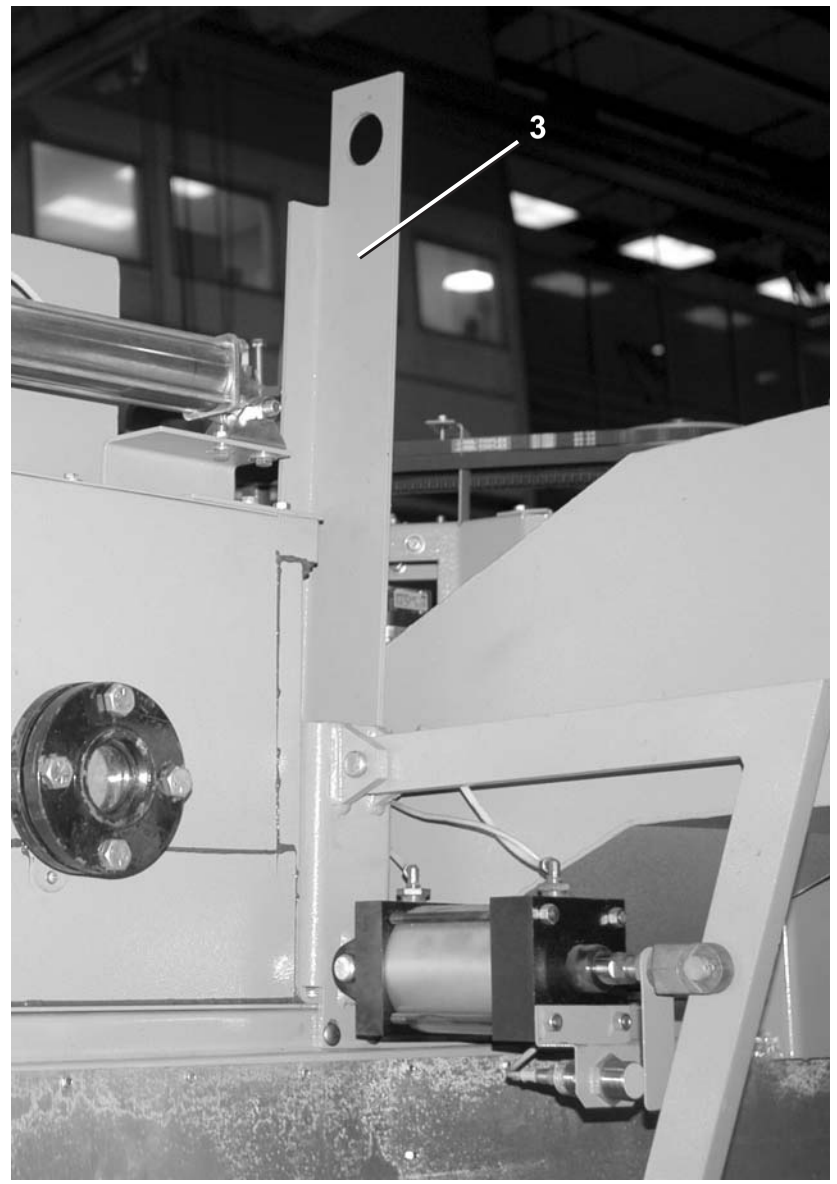
Litho in U.S.A.

See Instruction, “Dryer Installation” BIPD6I02.



6458_, 6464_,7272_

5040_, 5050_



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Parts List—Lifting Brackets

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------COMPONENTS----------	
all	1	07 71315	6458 LIFT BRACKET	
	2	07 44075	5040 LIFT BRKT LONG SPREADER	5040TG2LR, TS2LR 5050TG1L/R, TS1L/R
	2	07 71316	6458 LIFT BRKT LONG SPREADER	6458TG1L/R 6464TG1L/R
	2	07 81316	7272 LIFT BRKT LONG SPREADER	7272TG1L/R
	3	07 44076	5040 REAR LIFTING BRACKET	5040TG2LR,TS2LR
	3	07 71183	6458 REAR LIFTING BRACKET	6458/7272TG1L,TG1R

Used In	Item	Part Number	Description	Comments

Dryer to Dryer Mounting Parts

5040TG2L/R,TS2L/R, 5050TG1L/R,TS1L/R, 6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R 7272TG1L/R,TS1L/R

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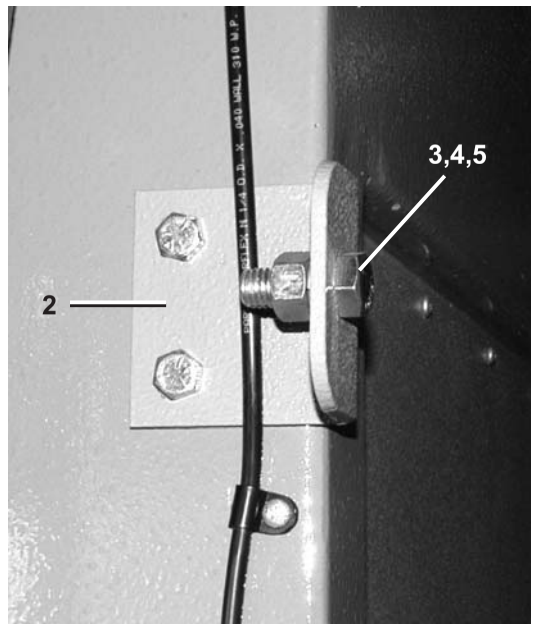
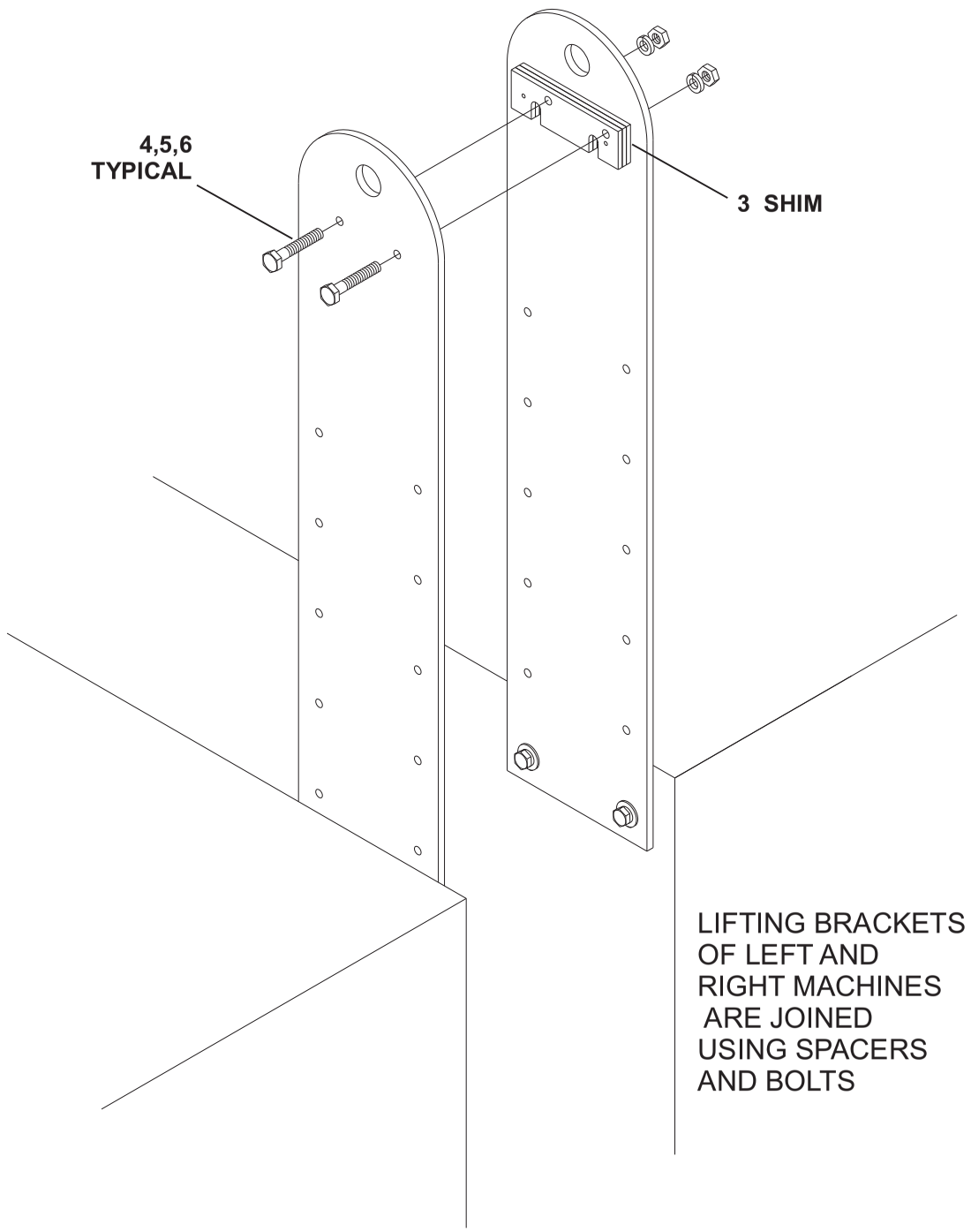
SEALING FOAM
IS APPLIED TO THE
RIGHT SIDE OF THE LEFT
MACHINE OF THE PAIR ONLY.
DASHED LINE SHOWS
WHERE TO APPLY THE FOAM,
("RIGHT MACHINE" SHOWN IN PHOTO)



MOUNTING BRACKETS USED TO JOIN LEFT AND RIGHT MACHINES ON THE REAR OF THE HOUSE AND TO JOIN THE PEDESTAL LEGS

COVERS FOR NAMEPLATE
AND EMERGENCY STOP
REPLACEMENT



LIFTING BRACKETS
OF LEFT AND
RIGHT MACHINES
ARE JOINED
USING SPACERS
AND BOLTS

See Instruction, "Dryer Installation" BIPD6I02.

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Parts List—Dryer to Dryer Mounting

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
			none	
			----------COMPONENTS----------	
All	1	60A008A	1" X 1" NEO SPONGE/ADH.	
All	2	07 71309	6458 DRYER TO DRYER MNT BKT	
all	3	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	4	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	5	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	6	15K125	HEXCAPSCR 3/8-16UNC2AX2.5 GR5-	
all	7	07 71310	6458 DRYER TO DRYER MNT SHIM	
all	8	03 CC2X2	COVER PLT:DRYER NPLT REPLCMNT	
all	9	03 CC3X4	COVER PLT:DRYER E-STOP RPLCMNT	

Used In	Item	Part Number	Description	Comments

Pedestal Base

6458TG1L/R ,TS1L/R 6464TG1L/R ,TS1L/R

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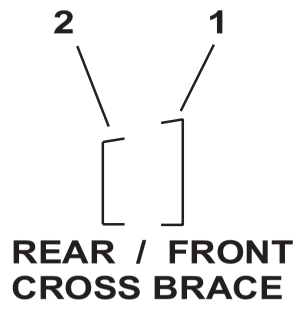
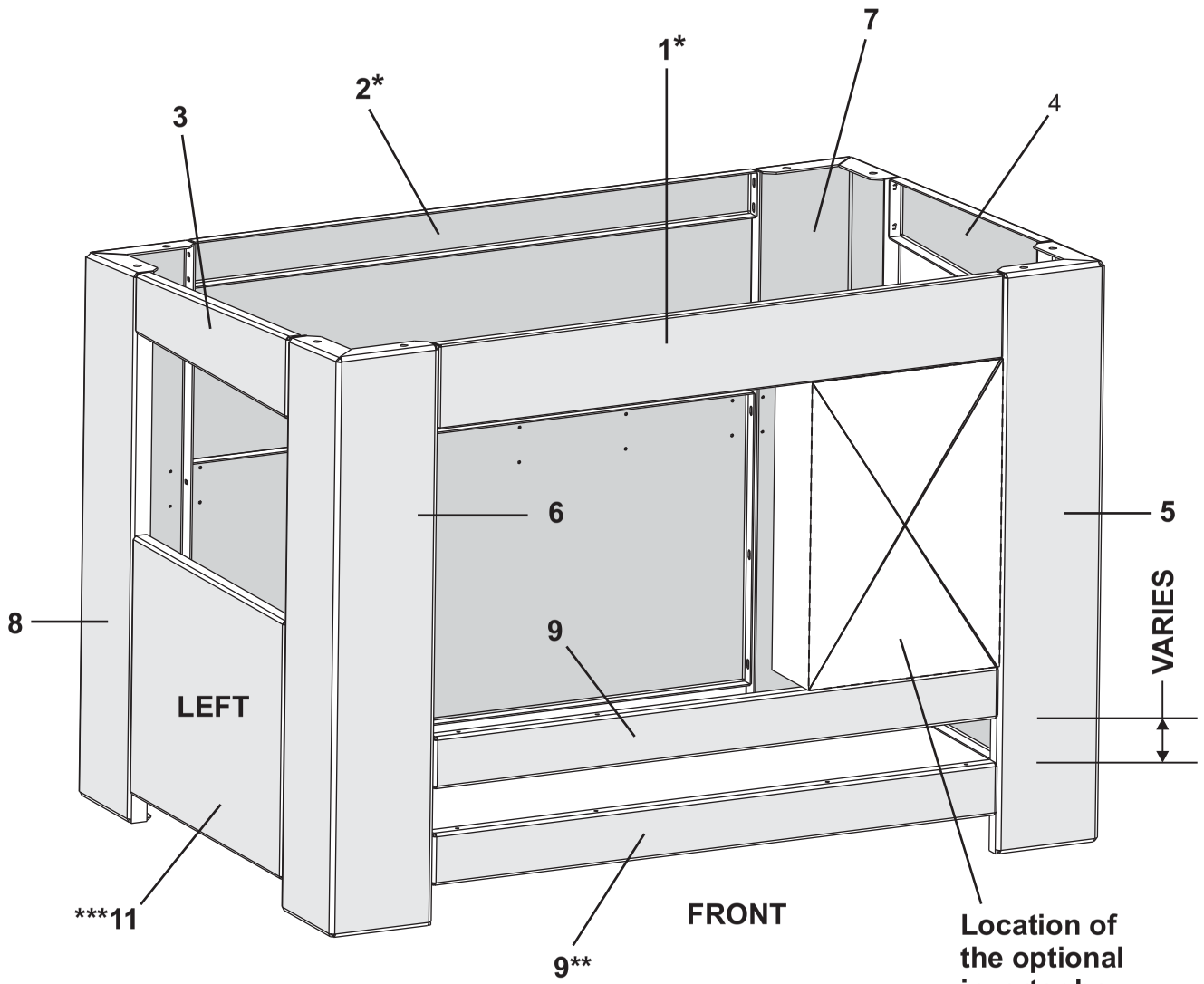


Note*:
The upper front and upper rear cross braces are angled to match the angle of the pedestal legs. This angle may not be immediately apparent, you may need to use a level to identify the parts. Swapping these parts when assembling will cause the top flange to stick up above the rest of the pedestal and cause the dryer to sit incorrectly.



FOR MACHINES BUILT <u>BEFORE 05/23/08,</u> THE FRONT PANELS WERE 26”[660MM] TALL. <u>SEE BMP030058.</u>

Note
Two Item 9** are used only in pedestals where the front leg heights are 58”[1473MM] or taller.**

Note*
Item 11 is only supplied with pedestals where the front leg heights are 46-1/4”[1174MM] or taller.**

Pedestal Base

6458TG1L/R ,TS1L/R 6464TG1L/R ,TS1L/R

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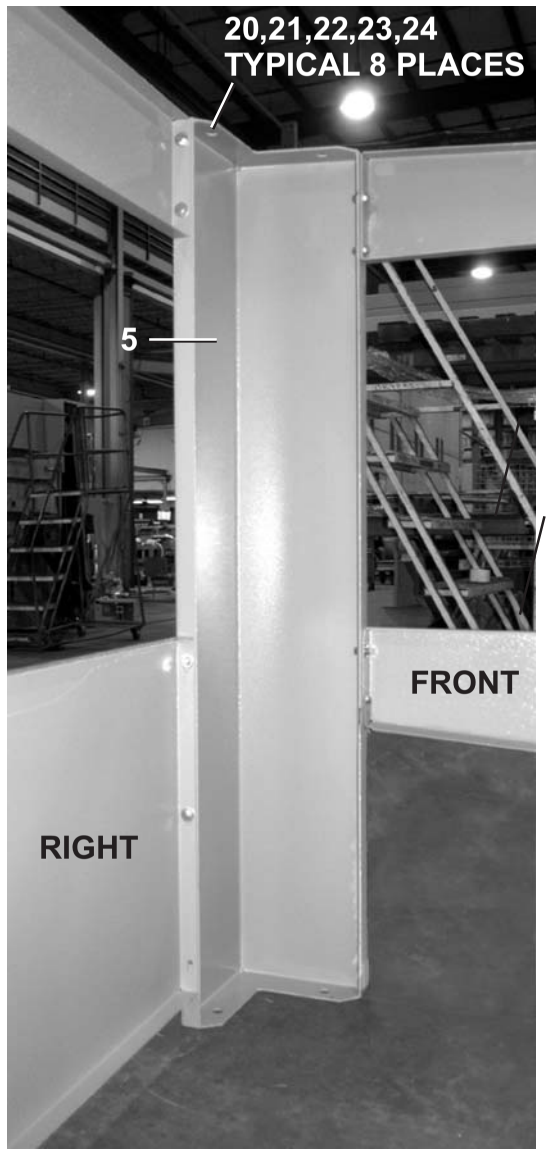

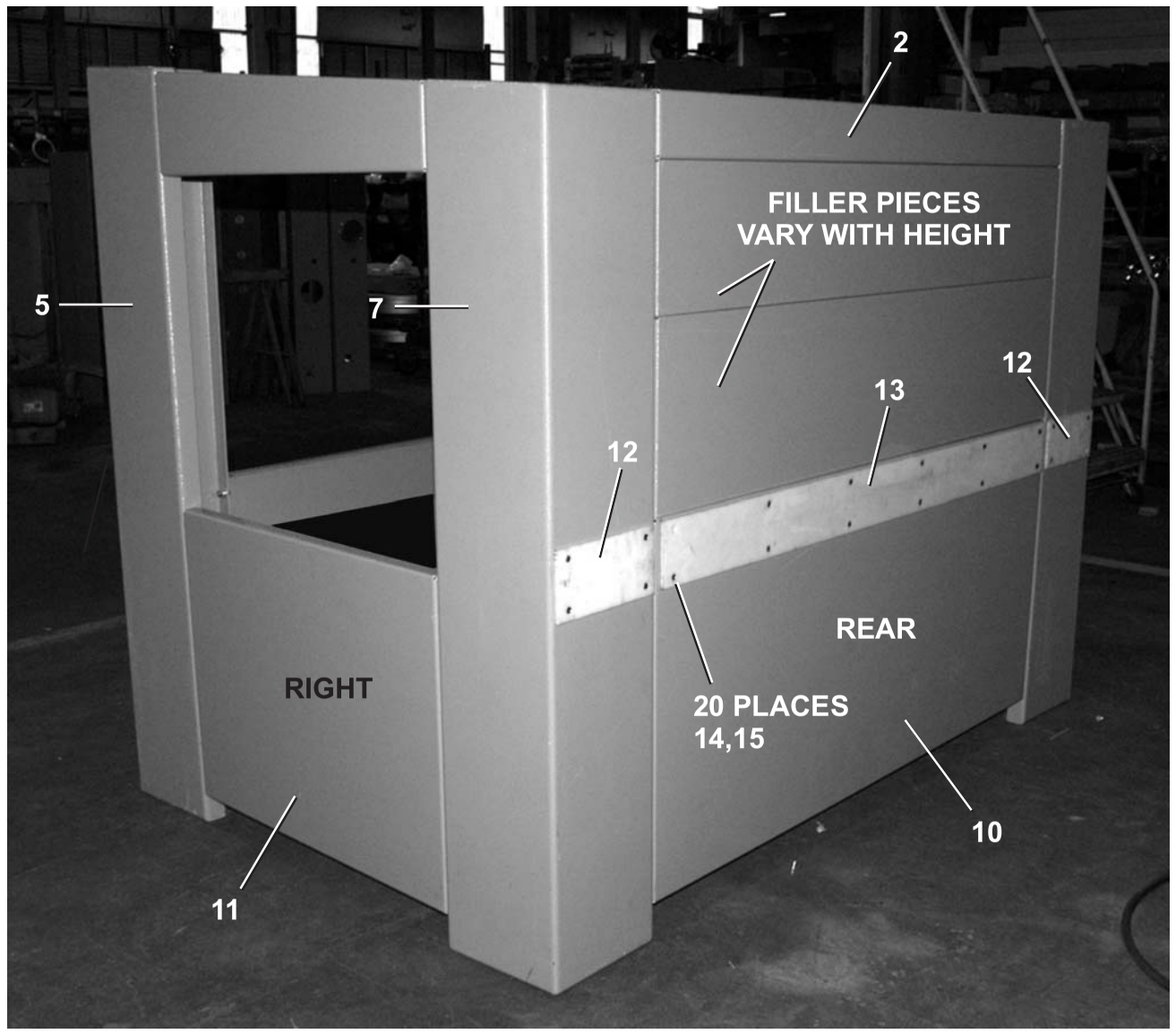

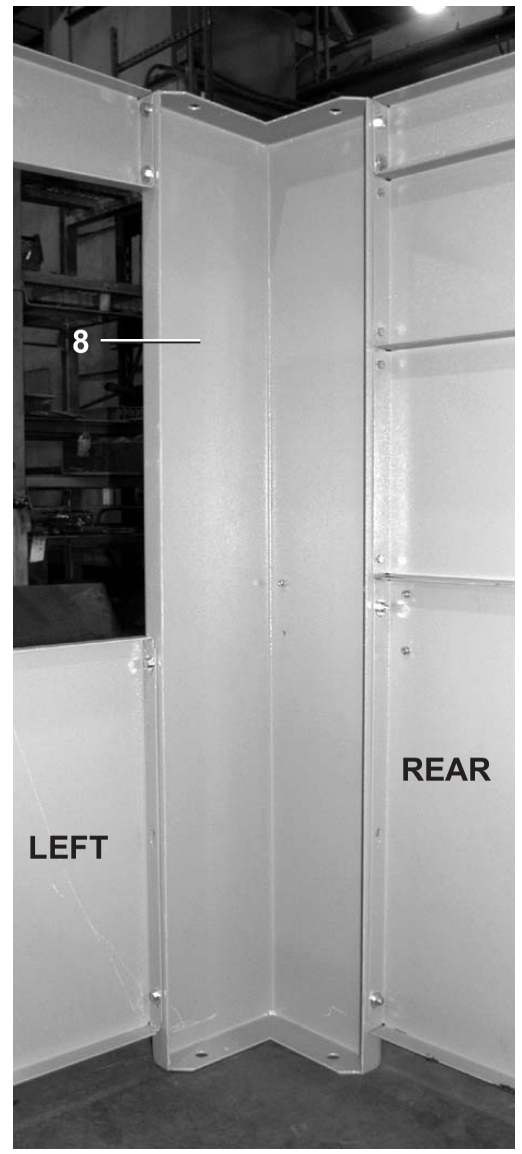

FRONT LEGS:

ITEM 5	PART NUMBER	07-71320	07-71322	07-71324	07-71326	07-71328	07-71330	07-71332	07-71334	07-71336	07-71338	07-71340	07-71342	07-71344	07-71346	07-71348	07-71350	07-71352	07-71354	07-71356	07-71358	07-71360	07-71362	07-71300
ITEM 6	PART NUMBER	07-71320A	07-71322A	07-71324A	07-71326A	07-71328A	07-71330A	07-71332A	07-71334A	07-71336A	07-71338A	07-71340A	07-71342A	07-71344A	07-71346A	07-71348A	07-71350A	07-71352A	07-71354A	07-71356A	07-71358A	07-71360A	07-71362A	07-71300A
PEDESTAL ORDER HEIGHT (IN.)		0.0	1.75	3.5	5.25	7.0	8.75	10.5	12.25	14.0	15.75	17.5	19.25	21.0	22.75	24.5	26.25	28.0	29.75	33.25	35.00	36.75	38.50	31.50
LEG LENGTH (ITEMS 5&6) (IN.)		40.968	42.718	44.468	46.218	47.968	49.718	51.468	53.218	54.968	56.718	58.468	60.218	61.968	63.718	65.468	67.218	68.968	70.718	74.218	75.968	77.718	79.468	72.468

REAR LEGS:

ITEM 7	PART NUMBER	07-71321	07-71323	07-71325	07-71327	07-71329	07-71331	07-71333	07-71335	07-71337	07-71339	07-71341	07-71343	07-71345	07-71347	07-71349	07-71351	07-71353	07-71355	07-71357	07-71359	07-71361	07-71363	07-71301
ITEM 8	PART NUMBER	07-71321A	07-71323A	07-71325A	07-71327A	07-71329A	07-71331A	07-71333A	07-71335A	07-71337A	07-71339A	07-71341A	07-71343A	07-71345A	07-71347A	07-71349A	07-71351A	07-71353A	07-71355A	07-71357A	07-71359A	07-71361A	07-71363A	7-71301A
PEDESTAL ORDER HEIGHT (IN.)		0.0	1.75	3.5	5.25	7.0	8.75	10.5	12.25	14.0	15.75	17.5	19.25	21.0	22.75	24.5	26.25	28.0	29.75	33.25	35.00	36.75	38.50	31.50
LEG LENGTH (ITEMS 7&8) (IN.)		37.8	39.55	41.3	43.05	44.8	46.55	48.3	50.05	51.8	53.55	55.3	57.05	58.8	60.55	62.3	64.05	65.8	67.55	71.05	72.80	74.55	76.30	69.300

CHART CONTINUED >

Pedestal Base

6458TG1L/R ,TS1L/R 6464TG1L/R ,TS1L/R

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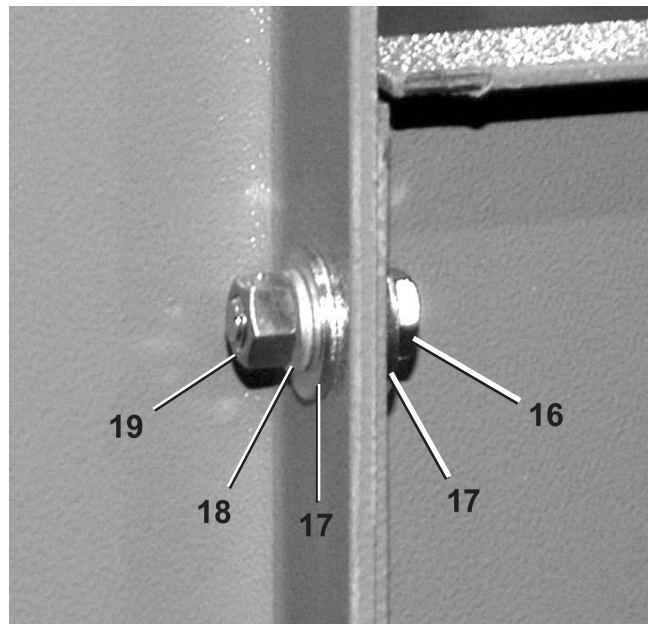
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



TYPICAL 3/8” BOLTS

BUMPER GUARD
BOLTS (20 PLACES)
14,15

ADDITIONAL PEDESTAL HEIGHTS

FRONT LEGS:

ITEM 5	PART NUMBER	07 71389B	07 71389
ITEM 6	PART NUMBER	07 71389C	07 71389A
PEDESTAL ORDER HEIGHT (IN.)		-3.5	-7
LEG LENGTH (ITEMS 5&6) (IN.)		34	30.5

REAR LEGS:

ITEM 7	PART NUMBER	07 71390B	07 71390
ITEM 8	PART NUMBER	07 71390C	07 71390A
PEDESTAL ORDER HEIGHT (IN.)		-3.5	-7
LEG LENGTH (ITEMS 7&8) (IN.)		30.8	27.3

Parts List—Pedestal Base Assembly

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
			none	
			----------COMPONENTS----------	
all	1	07 71391	6458 DRYER BASE FILLER TOP FT	
all	2	07 71392	6458 DRYER BASE FILLER TOP RR	
all	3	07 71395	6458 DRYER BASE FILL DRV RITE	6458 DRYERS
all	3	07 72041	6464 DRYER BASE FILL DRV RIGHT	6464 DRYERS
all	4	07 71395A	6458 DRYER BASE FILL DRV LEFT	6458 DRYERS
all	4	07 72041A	6464 DRYER BASE FILL DRV LEFT	6464 DRYERS
all	5	07 71300	6458 = 31.5" PED FRONT RIGHT	
all	6	07 71300A	6458=31.5" PED FRONT LEFT	
all	7	07 71301	6458=31.5" PED REAR RIGHT	
all	8	07 71301A	6458=31.5" PED REAR LEFT	
all	9	07 71418	6458 DRYER FILLER INVERTER BOX	(2) USED FOR 17.5” PEDESTALS & HIGHER
all	10	07 71402	6458 DRYER BASE FILLER-REAR	
all	11	07 71396	6458 DRYER BASE FILL DRV LOW	6458 DRYERS
all	11	07 72042	6464 DRYER BASE FILL DRV LOW	6464 DRYERS
all	12	07 71404	6458 BUMPER PAD-5"WX10"LG	
all	13	07 71403	6458 BUMPER PAD-5"WX60"LG	
all	14	15G164NE	HEXLOKNUT NYL 1/4-20 UNC2A SS.	
all	15	15N176	FLATMACSCR 1/4-20NCX3/4SS18-8	
all	16	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	17	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	18	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	19	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	20	15K162	HXCAPSCR 1/2-13UNC2AX1.5 GR5 P	
all	21	15U490	FLAWASH 1+1/2X17/32X1/4ZINC	
all	22	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	23	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	24	15U280	FL+WASHER(USS STD)1/2 ZNC PL+D	

Pedestal Base

7272TG1L,TG1R

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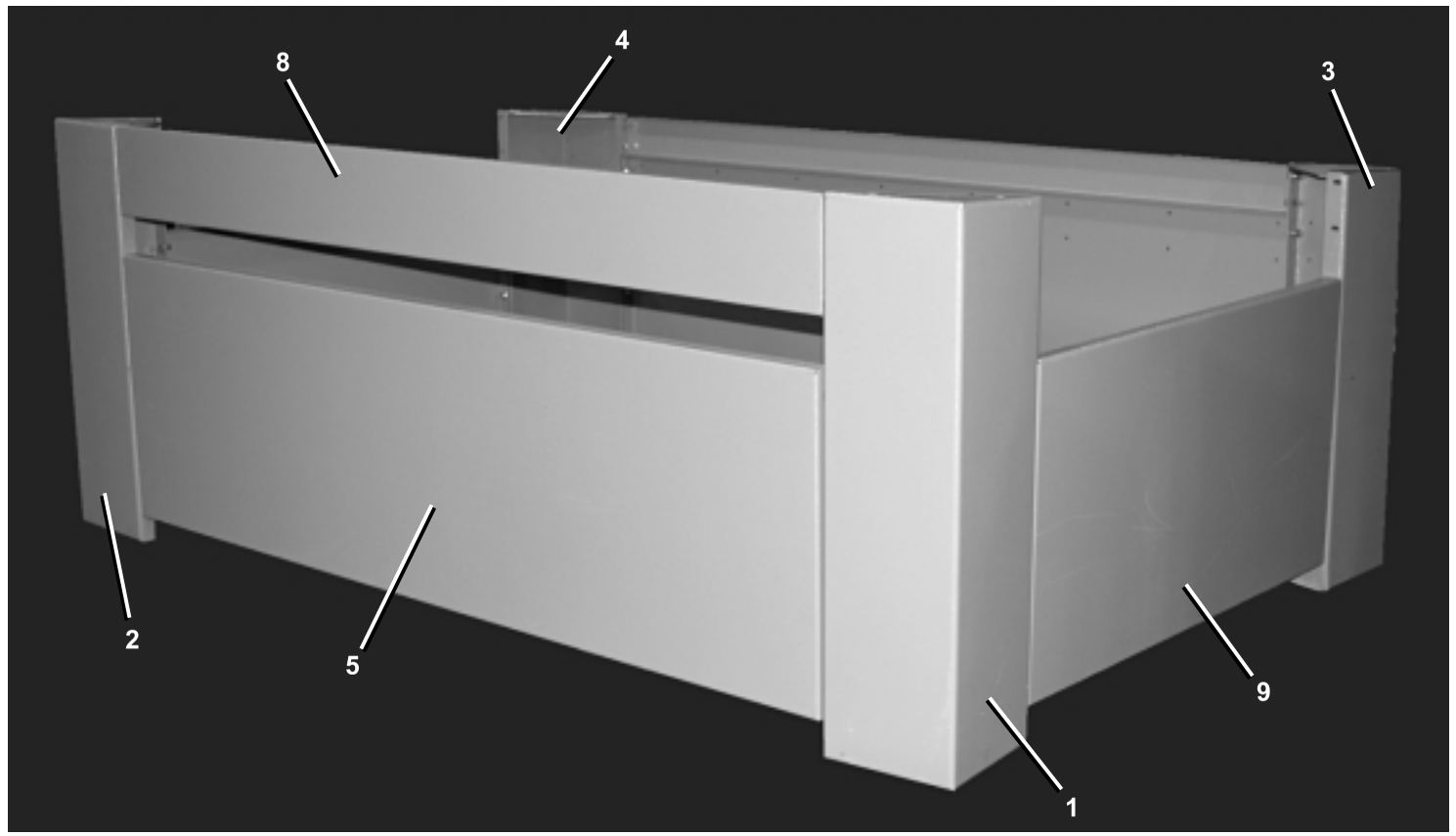
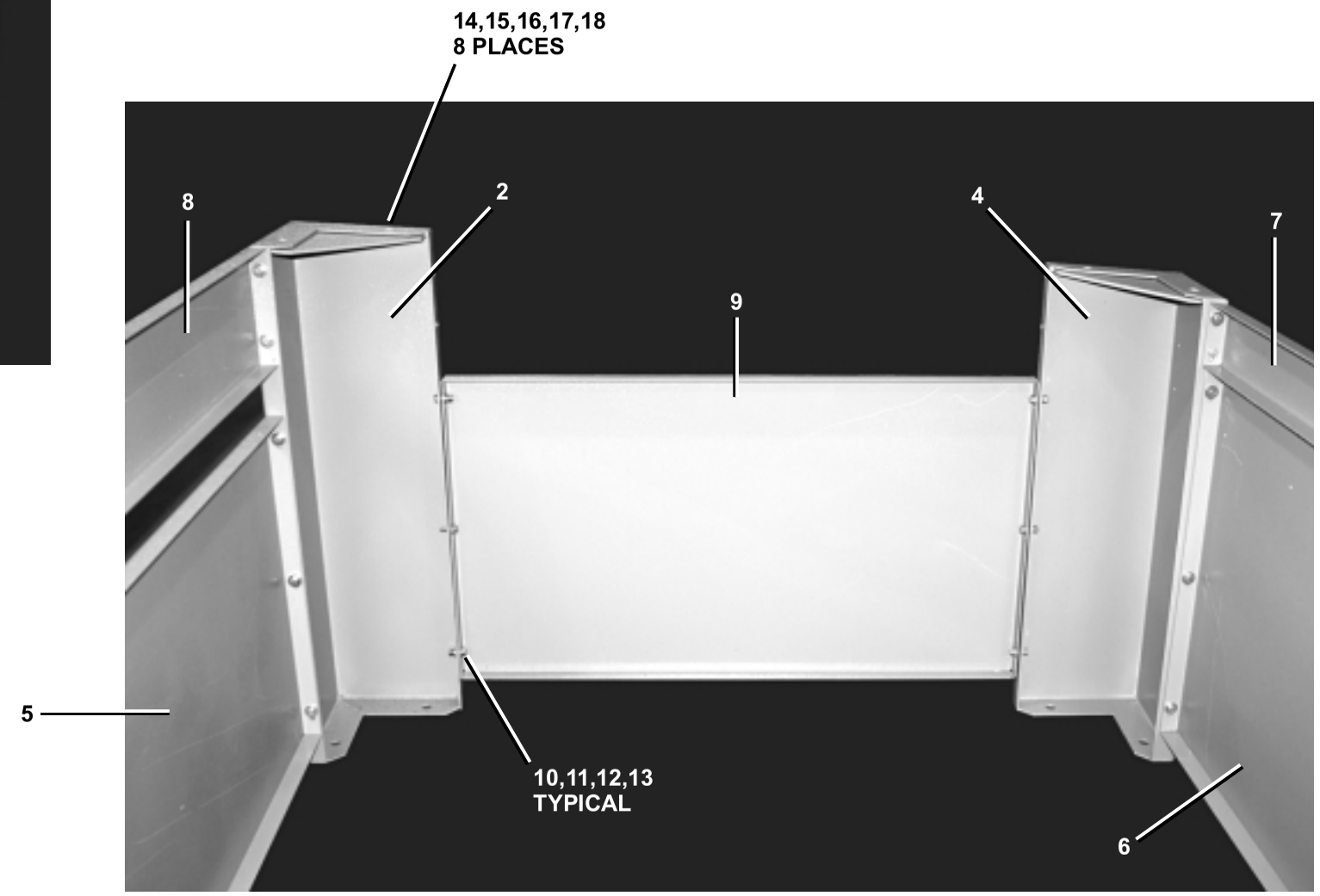
Litho in U.S.A.





Pedestal Base

7272TG1L,TG1R

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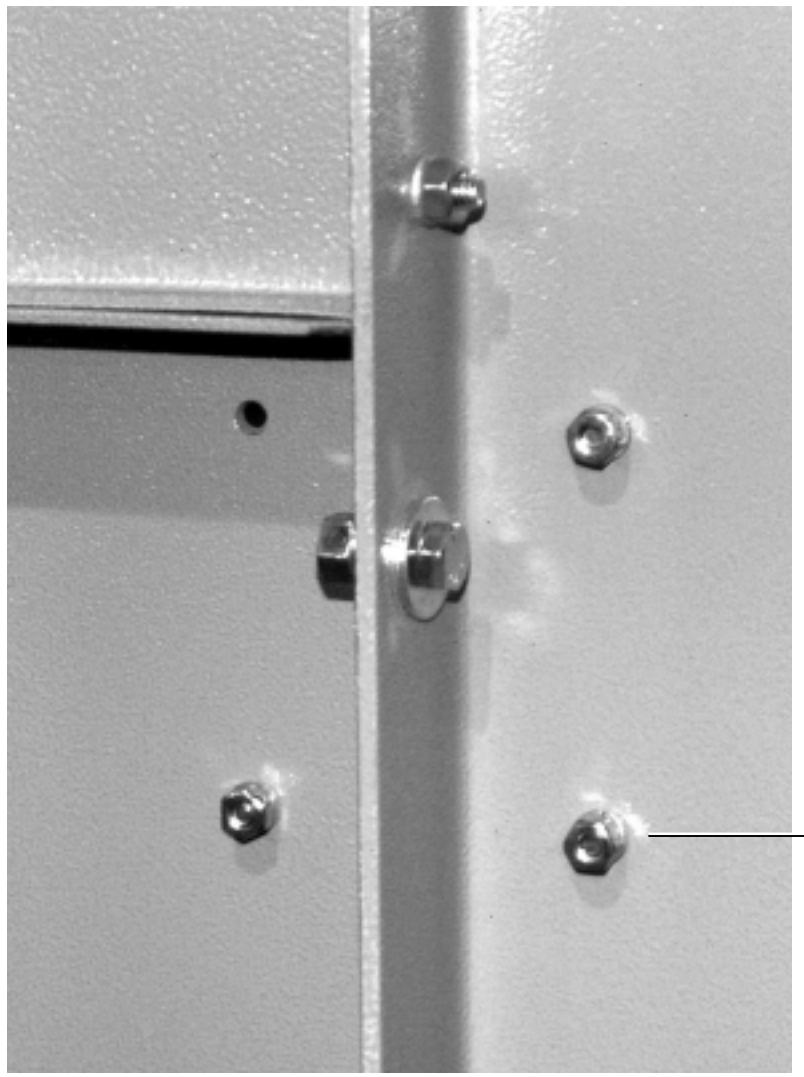
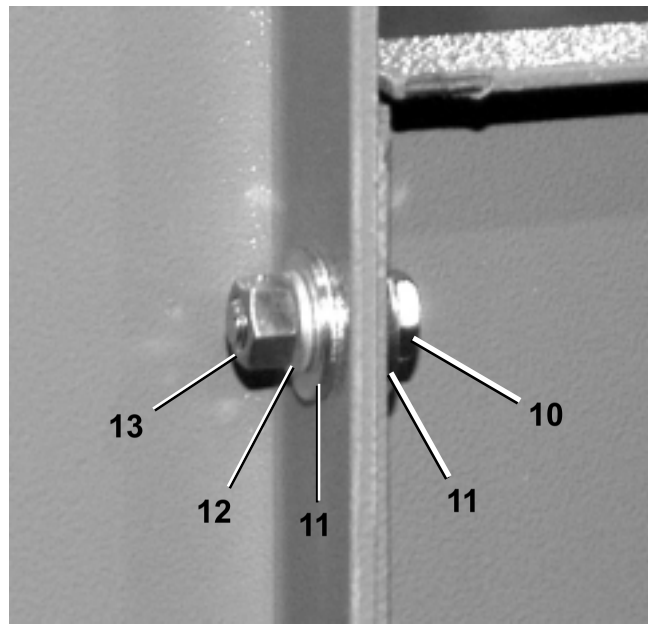
Litho in U.S.A.



BUMPER GUARD
BOLTS (20 PLACES)
19,20



TYPICAL 3/8” BOLTS

Parts List—Pedestal Base Assembly

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

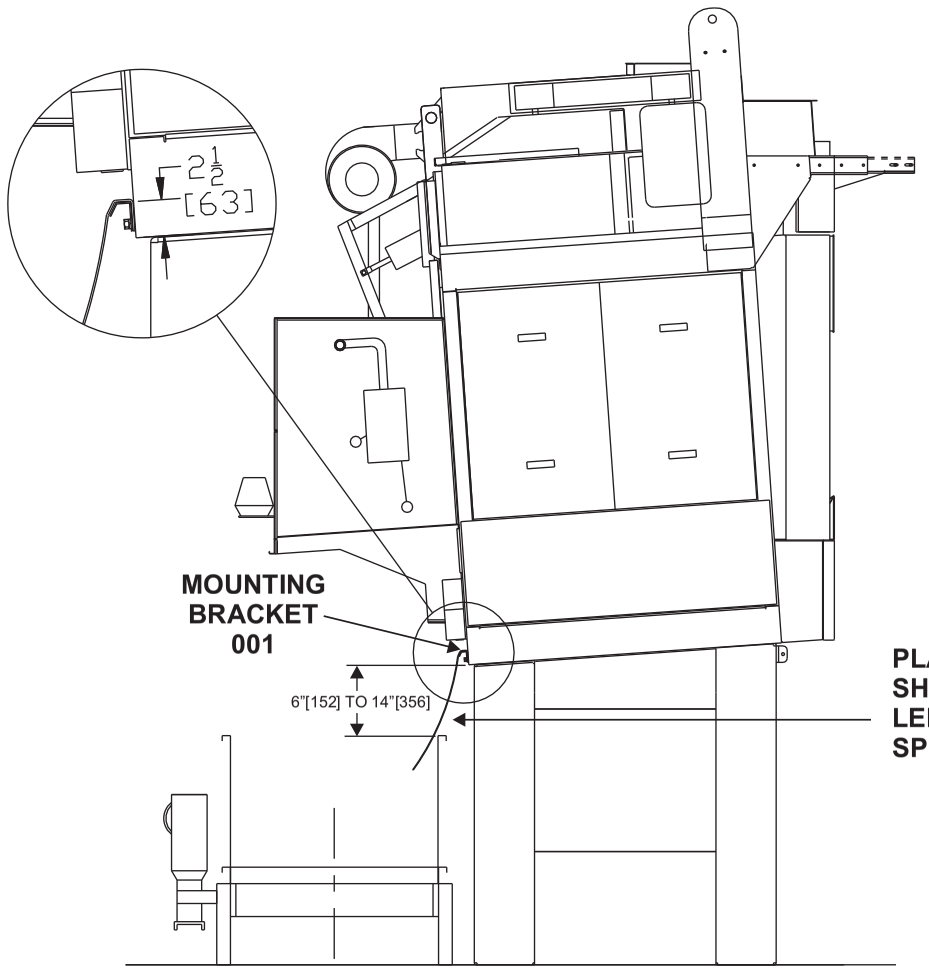
Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
			none	
			----------COMPONENTS----------	
all	1	W7 71320	7272=NO PED FRONT RIGHT WELD	
all	2	W7 71320A	7272=NO PED FRONT LEFT WELD	
all	3	W7 71321	7272=NO PED REAR RIGHT WELD	
all	4	W7 71321A	7272=NO PED REAR LEFT WELD	
all	5	07 81393	7272 DRYER BASE FILLER FNT+R	
all	6	07 81402	7272 DRYER BASE FILLER-REAR	
all	7	07 81392	7272 DRYER BASE FILLER TOP R	
all	8	07 81391	7272 DRYER BASE FILLER TOP F	
all	9	07 81396	7272 DRYER BASE FILL DVR LOW	
all	10	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	11	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	12	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	13	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	14	15K162	HXCAPSCR 1/2-13UNC2AX1.5 GR5 P	
all	15	15U490	FLAWASH 1+1/2X17/32X1/4ZINC	
all	16	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	17	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	18	15U280	FL+WASHER(USS STD)1/2 ZNC PL+D	
all	19	15K162	HXCAPSCR 1/2-13UNC2AX1.5 GR5 P	
all	20	15U490	FLAWASH 1+1/2X17/32X1/4ZINC	

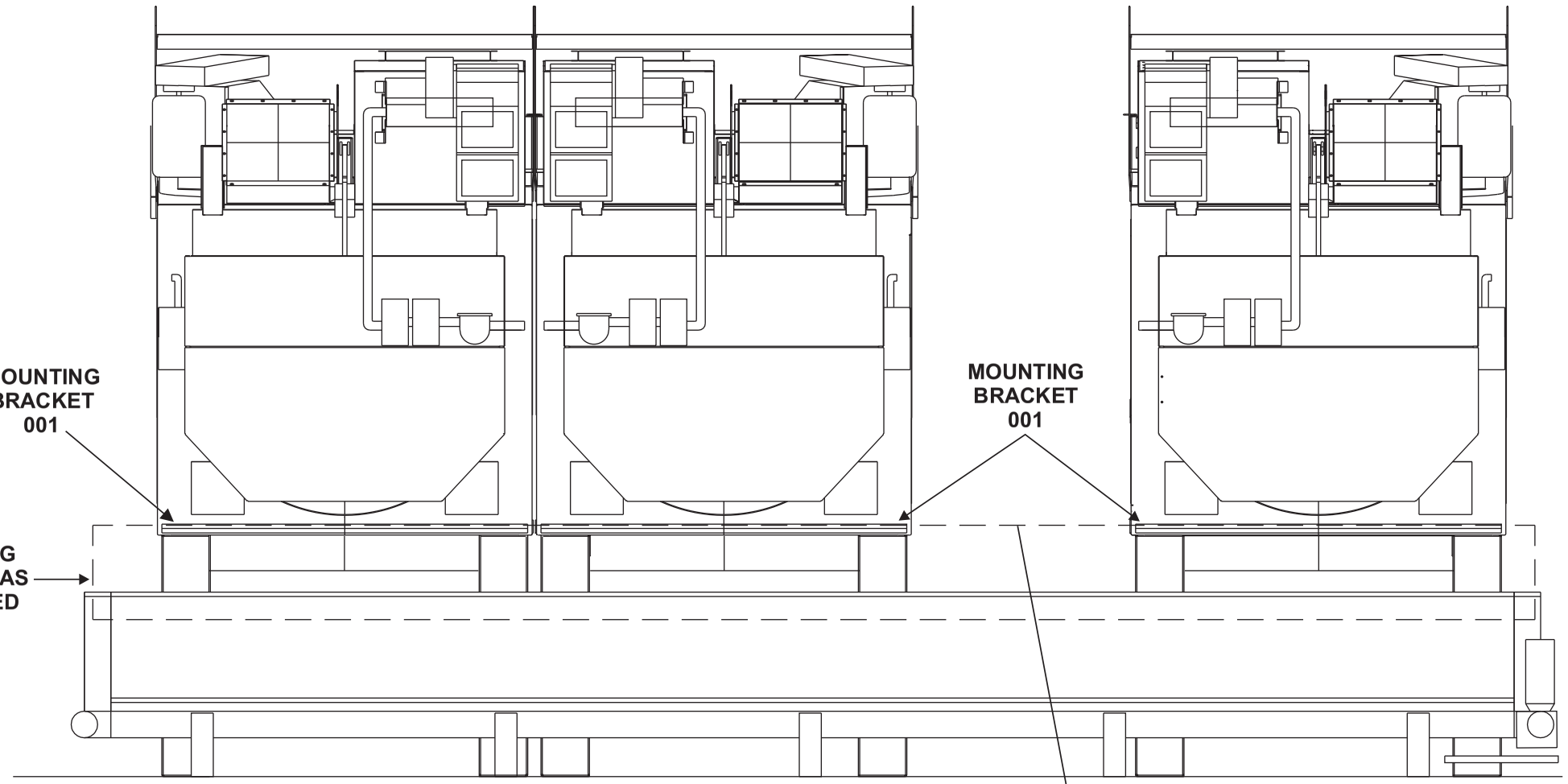
Unload Bridge Installation

5040, 5050, 6458, 6464, & 7272 Dryers

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Optional Unload Bridge

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
----------COMPONENTS----------				
all	1	07 71568	2007123 6458 UNLOAD BRIDGE TO CONV	

Air and Ductwork Requirements for Milnor® Pass-through Dryers

Notice 1: This document, along with the dimensional drawings for the various dryer models, gives air and ductwork requirements for Milnor pass-through dryers. It also provides limited guidance for the layout of ductwork. Milnor accepts no responsibility for ductwork design or liability for damage or injury caused by ductwork.

1. Air Requirements

CAUTION 2: Risk of equipment malfunction—Insufficient air will cause dryers to malfunction and/or greatly reduce drying efficiency. Excessive back-pressure will cause dryers to malfunction.

1.1. Air Flow—All Milnor pass-through dryers move air, called main air, through the goods. The quantity of main air specified in the dimensional drawing for a given model (in standard cubic feet per minute or scfm) must be available at the dryer main air inlet.

In addition, gas dryers use laundry room air for combustion. The quantity of combustion air specified in the dimensional drawing for a given model (in standard cubic feet per minute or scfm) must be available at the dryer combustion air inlet.

1.2. Back Pressure—The total pressure drop imposed by all external components that the main air must pass through (examples: ductwork, lint filters, rooftop ventilators) must be between 0 (zero) and 0.5 inch water column (125 Pascals).

For gas dryers, it is necessary to supply a sufficient quantity of air to the room where the dryers are located to replenish the combustion air taken in by the dryers and to prevent a low pressure condition in the room.

> **Note 1:** The internal pressure drop between the dryer main air inlet and exhaust outlet fluctuates during operation and can greatly exceed the allowable external pressure drop.

2. Ductwork Requirements

You can connect ductwork between the dryer main air inlet and outside air. You must connect ductwork between the dryer air exhaust outlet and the exterior of the building.

2.1. Is Inlet Ductwork Necessary?—Use inlet ductwork if hazardous or corrosive fumes are present that could be drawn in to the dryers. Otherwise, consider the facility layout, operational procedures, and climatic conditions. It may be possible to take main air from the room in which the dryers are located, especially if this room is dedicated to the dryers and physically separated from other laundry activities. If conditions permit this arrangement, the facility can use barometric dampers to admit the quantity of outside air necessary to replenish the air taken in by the dryers. The air in the dryer room must be sufficient to meet the air requirements explained in Section 1.1 at all times that the dryers operate.

If main air cannot be supplied from inside the room the dryers are in, use inlet ductwork to connect the dryers to outside air. For gas dryers, use powered ventilation in the facility to replenish the combustion air taken in by the dryers.

2.2. Ductwork Durability

CAUTION 3: Risk of mechanical failure—The fluctuations in main air pressure that occur during dryer operation will cause thin-gauge steel ductwork to quickly fail from metal fatigue. Ducts with a rectangular cross-section can be damaged by these forces even when heavy gauge material is used. Rectangular ductwork on the exhaust side of the dryer is likely to fail.

- Consult a ductwork design professional before you use rectangular duct.

The ductwork must be able to withstand the large flexing forces imposed on it by the internal air pressure changes that occur during dryer operation. At minimum, straight sections fabricated from galvanized sheet steel must have the following material thickness:

- Round duct - 20 gauge
- Rectangular duct - 16 gauge

It can be necessary to increase material thickness and use stiffeners for long duct lengths, large duct sizes, transitions, and elbows.

Duct material must be able to withstand any corrosive forces imposed by the laundry environment. Galvanized sheet steel is usually sufficient, but special conditions can occur.

2.3. Ductwork Functionality

WARNING 4: Fire and equipment malfunction hazards—Incorrect ductwork design can promote the buildup of flammable lint or cause flammable materials near hot ductwork to ignite. It can also cause dryers to malfunction and greatly reduce productivity.

- Do not use any internal components in the ductwork (example: turning vanes).
- Obey codes that govern the clearances between hot ductwork and flammable construction materials (example: roofing).
- Do not connect ducts from different dryers together if you can avoid it. See Section 2.3.1.
- Do not use abrupt transitions or elbows with less than three segments. See Section 2.3.2.
- Provide inspection covers as necessary to keep the entire ductwork clean.

2.3.1. Multiple Dryers and Lint Collection

CAUTION 5: Risk of equipment malfunction—Dryers connected by common ductwork are likely to malfunction due to the fluctuation in pressure drop felt by each dryer as a result of the other dryers. This can occur even if the common duct is large enough to accommodate the combined output of all connected dryers.

- Consult a ductwork design professional if you must use common ductwork.

If space limitations or other factors make the use of common ductwork unavoidable, it will be necessary to provide a system to maintain back pressure within the range specified in Section 1.2 automatically. A system of this type could include pressure-sensing devices, a variable-speed booster fan, and a controller.

Today, facility designers generally prefer internal lint screens (a Milnor option) or close-coupled lint collection systems installed on each dryer. However, if the facility uses a common powered lint collection system, you can connect the air exhaust from two or more dryers to this system if you run separate ducts from each dryer. The system must be designed to:

- accommodate the maximum combined flow from all dryers connected to it.
- maintain a constant back pressure in the range given in Section 1.2.

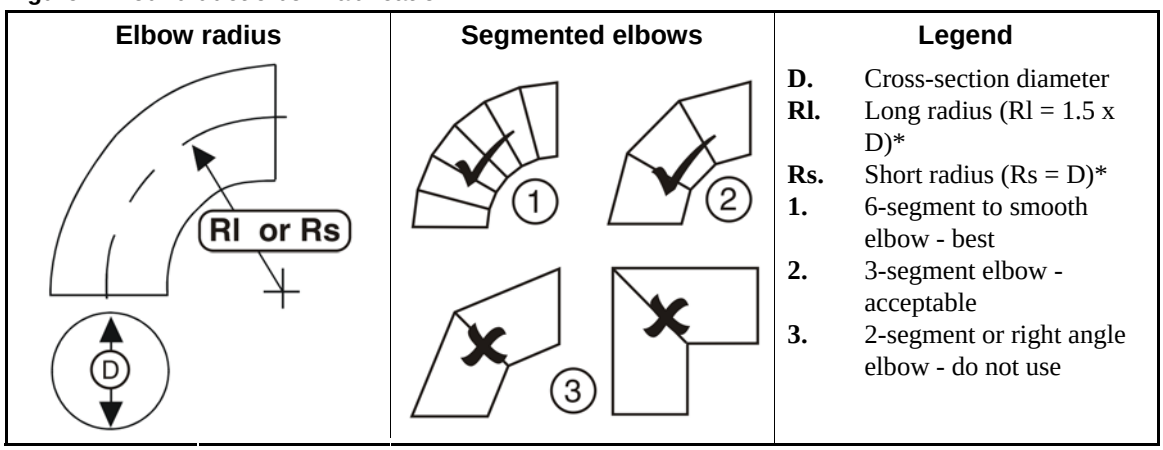
2.3.2. Transitions and Elbows

—Use smooth, gradual transitions. For calculations, consider any

transition with a taper less than 7.5 degrees as straight duct. Consider a gradual transition that connects the main air inlet or exhaust outlet on the dryer to a larger size duct as the larger duct size.

See Figure 1. For round duct, prefer elbows with radius Rl. Do not use a smaller radius than Rs. Prefer elbows with six or more segments. Do not use elbows with less than three segments.

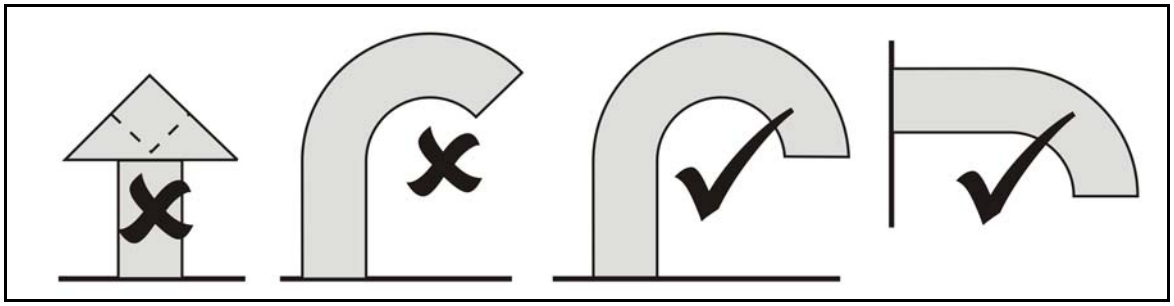
Figure 1: Round duct elbow fabrication



2.3.3. Vents—Wind loads can contribute significantly to variations in the external pressure drop felt by dryers. Only the vent designs identified with a check mark in Figure 2 adequately counteract the effect of wind load.

Do not use a screen in the vent for the main air inlet.

Figure 2: Vent Designs



3. Ductwork Layout and Pressure Drop Calculations

This section provides numeric data in the English and Metric units listed in Table 1. Metric units are shown in parentheses.

Table 1: Units of Measure

Type of Measurement	English Unit		Metric Unit	
	Abbreviated	**Term**	**Abbreviated**	**Term**
Short length	in	inches	(mm)	millimeters
Long length	ft	feet	(M)	meters
Air flow	scfm	standard cubic feet per minute	(nlpm)	normal liters per minute
Air velocity	fpm	feet per minute	(mpm)	meters per minute
Pressure drop	iwc	inches water column	(Pa)	Pascals

3.1. **Duct Components and Their Pressure Drops**—Table 2 gives selected round and rectangular duct sizes for each dryer model, in straight lengths and 90 degree elbows. If it is necessary to use components not given in the table (examples: other duct cross-sections, elbows with other than 90 degree angles), it will be necessary to refer to other texts or consult a ductwork design professional.

Table 2: Duct Components and Their Pressure Drops

Air Specifications			Duct components, sizes, and pressure drops									
			Equivalent** cross-sections			Pressure drop - iwc (Pa)						
			Round	Rectangular***		Straight	90 Degree Elbows					
							Smooth round		3-segment round		Rectangular	
Dryer Model Prefix	Air flow - scfm (nlpm)	Velocity* for given cross-section - fpm (mpm)	Diameter in (mm)	Height - in (mm)	Width - in (mm)	iwc per 100 feet (or Pa per 100 meters)	Rs Short radius	Rl Long radius	Rs Short radius	Rl Long radius	Radius - in (mm)	iwc (Pa)
50040 5040 5050 58040	3600 (101941)	2034 (620)	18 (457)	14 (356)	20 (508)	0.31 (253)	0.1 (25)	0.07 (17)	0.13 (32)	0.11 (27)	15 (381)	0.09 (22)
				15 (381)	19 (483)						14.25 (362)	
				16 (406)	17 (432)						12.75 (324)	
				17 (432)	16 (406)						12 (305)	
				19 (483)	15 (381)						11.25 (286)	
				20 (508)	14 (356)						10.5 (267)	
58058	5200 (147248)	2384 (727)	20 (508)	16 (406)	22 (559)	0.37 (302)	0.13 (32)	0.09 (22)	0.17 (42)	0.14 (35)	16.5 (419)	0.12 (30)
				17 (432)	20 (508)						15 (381)	
				18 (457)	19 (483)						14.25 (362)	
				19 (483)	18 (457)						13.5 (343)	
				20 (508)	17 (432)						12.75 (324)	
				22 (559)	16 (406)						12 (305)	
58080	Contact factory											
6458 6464	8500 (240693)	2400 (732)	26 (660)	24 (610)	23 (584)	0.30 (245)	0.09 (22)	0.06 (15)	0.18 (45)	0.14 (35)	23 (584)	0.08 (20)
72072 (with tower)	10000 (283168)	2100 (640)	30 (762)	23 (584)	33 (838)	0.15 (123)	0.21 (52)	0.17 (42)	0.28 (70)	0.24 (60)	31 (787)	0.14 (35)
				24 (610)	31 (787)						30 (762)	
				25 (635)	30 (762)						28.75 (730)	
				26 (660)	28 (711)						28 (711)	
				27 (686)	27 (686)						27.25 (692)	
				28 (711)	26 (660)						26.75 (679)	
				30 (762)	25 (635)						24.5 (622)	
				31 (787)	24 (610)						23.75 (603)	
				33 (838)	23 (584)						22.75 (578)	
7272 7676	14000 (396436)	2600 (792)	32 (813)	27 (686)	29 (737)	0.28 (229)	0.11 (27)	0.08 (20)	0.21 (52)	0.13 (32)	27 (686)	0.13 (32)

*** A velocity of at least 2000 fpm (610 mpm) helps keep lint particles in suspension.**

**** Equivalent means that the rectangular cross sections have the same pressure drop as the round cross-section.**

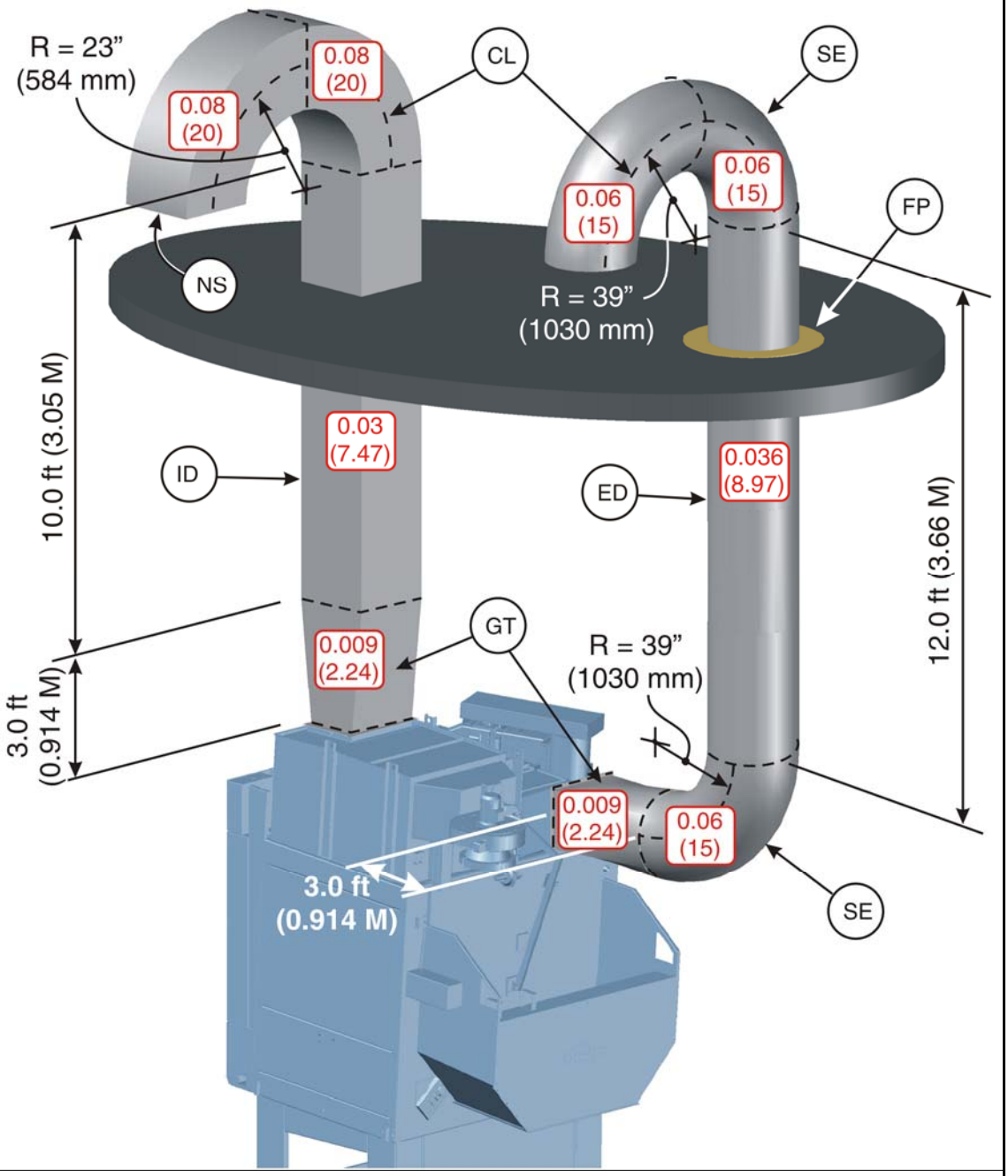
***** Field data determines the number of rectangular cross-sections shown for each dryer model.**

3.2. **Example Layout**—To provide a more comprehensive example, Figure 3 shows both rectangular and round duct. However, avoid using rectangular duct if possible, especially for the exhaust ductwork.

Figure 3 shows the pressure drop values taken from Table 2 and used in the example equations in Section 3.3 superimposed on each piece of duct.

Figure 3: Example Duct Layout for Model 6464TG1L Dryer

Isometric View of Duct Layout



Legend

CL. Center line.
ED. Exhaust duct. This example uses 26 inch (660 mm) diameter round duct.
FP. Fire protection per construction codes.
GT. Gradual transitions. Treat as straight duct of the same size as their larger end.
ID. Inlet duct. This example uses 24 inch (610 mm) high by 23 inch (584 mm) wide rectangular duct.
NS. No screen on inlet duct fresh air intake.
SE. Smooth elbows (six or more segments). This example uses large radius elbows.

3.3. Pressure Drop Equations and Examples—Calculate the pressure drop for each straight length of duct as follows:

$$PD_s = PD_{100} \times L / 100$$

Where:

PD_s = Pressure drop for a straight length

PD_{100} = Pressure drop per 100 feet (or 100 meters) as given in table

L = Length of straight section in feet (or meters)

The following examples calculate the pressure drop for the 10 ft (3.05 M) length of rectangular duct in Figure 3.

English example:

$$0.3 \times 10 / 100 = 0.03 \text{ iwc}$$

Metric example:

$$243 \times 3.05 / 100 = 7.47 \text{ Pa}$$

Calculate the total pressure drop as follows:

$$PD_T = PD_1 + PD_2 + PD_3 + \ldots + PD_n + PD_F$$

Where:

PD_T - Total external pressure drop

PD_1 - Pressure drop for the most upstream (inlet-end) component

PD_2, PD_3, ... - Pressure drop for each next duct component in sequence

PD_n - Pressure drop for the most downstream (exhaust-end) component

PD_F - Pressure drop contributed by the external lint collection system, if any.

The following examples calculate the total pressure drop for the layout shown in Figure 3 after the pressure drops for all straight sections have been calculated. The dryer in the example layout uses internal lint screens. The installation does not have a separate, external lint collection system.

English example:

$$0.08 + 0.08 + 0.03 + 0.009 + 0.009 + 0.06 + 0.036 + 0.06 + 0.06 = 0.424 \text{ iwc}$$

Metric example:

$$20 + 20 + 7.47 + 2.24 + 2.24 + 15 + 8.97 + 15 + 15 = 105.92 \text{ Pa}$$

— End of BIPDGI01 —

Service Connections For Gas, Steam and Hot Oil Dryers, Conditioners and Shakers

1. General

The connections which may be required depending on machine model and options are:

1. Piped Inlets and Outlets: cold water, compressed air, gas, steam, hot oil, steam condensate line or gas line vent, main air intake, main air exhaust. The sizes and locations of piped inlets and outlets are shown on the dimensional drawing for your machine.
2. Electric Power Connections.
3. Electrical Control Connections.

2. Precautions for Piped Connections

1. Inlet pressure must be within the range specified. Pressure outside of the range may cause the machine to operate inefficiently or to malfunction and may damage machine components.
2. When connecting water and steam inlets, always install unions and shut off valves at the point of connection to permit removal of the machine components for servicing, if necessary.
3. A vent line must be installed from the regulator vent to the outdoors (if applicable).
4. A minimum 1/2 inch NPT plugged tapping, accessible for test gauge connection, must be installed immediately upstream of the gas supply connections to the dryer (if applicable).

WARNING 1: Explosion and Fire Hazards—Improperly installed gas-fired devices have the potential for gas release.

- Conform with local codes or, in their absence, with the **National Fuel Gas Code, ANSI Z223.1/NFPA 54** or the **Natural Gas and Propane Installation Code, CSA B149.1** or a superseding directive.
- The machine must be electrically grounded in accordance with local codes or, in their absence, with the **National Electric Code, ANSI/NFPA 70** or the **Canadian Electrical Code, CSA C22.1** or a superseding directive.

WARNING 2: Explosion, Fire, and Machine Damage Hazards—Gas pressure in excess of 1/2 psi (3.5 kPa) can damage gas train components, possibly resulting in the release of gas.

- Disconnect the dryer and its manually operated appliance main gas valve from the gas supply for any pressure testing of that system at pressures in excess of 1/2 psi (3.5 kPa).
- Isolate the dryer from the gas supply by closing the equipment shutoff valve during any pressure testing of that system at pressures equal to or less than 1/2 psi (3.5 kPa).

CAUTION 3: Machine Malfunction Hazard—Steam traps rated at 85 to 180 psi (586 to 1241 kPa) will not operate properly below 60 psi (414 kPa). Steam traps rated at 160 to 225 psi (1103 to 1551 kPa) will not operate properly below 115 psi (793 kPa).

- Conform to the rated pressure of the steam coil as stated on the machine nameplate.
- Choose a steam trap with a pressure rating corresponding to the actual pressure supplied.

CAUTION 4: Machine Damage Hazards (Steam Dryers and Conditioners Only)—Allow steam coil to preheat and purge condensate before operating dryer or conditioner.

- Verify that the facility boiler has operated at least 15 minutes before the dryer receives the

first load each day.

CAUTION 5: Machine Damage Hazards—Do not distort valve bodies when plumbing.

- Hold tension against these valves with a wrench on the side of the valve onto which the pipe is being connected; otherwise, the valve will be twisted and distorted.

CAUTION 6: Machine Damage Hazards—Steam coil antifreeze is drained at the factory but some residue may remain.

- the steam condensate return line should be routed to the sewer for the first hour of operation to prevent residual antifreeze from entering the boiler system.

2.1. Piped Connections

Table 1: Piped Inlet Specifications (See dimensional drawings for connection point sizes and locations)

Source Requirements for Models							
Specification	50040	58040	58058	58080	64058	72072	Comments
Gas inlet (natural gas and propane models)							
Maximum BTU/HR (KCAL/HR) at x" (mm) water column	950,000 (240,000) @ 13.5" (343)	950,000 (240,000) @ 13.5" (343)	1,400,000 (350,000) @ 13.5" (343)	1,800,000 (453,000) @ 13.5" (343)	1,800,000 (453,000) @ 13.5" (343)	2,700,000 (680,000) @ 18" (457)	Pipe material per plumbing code.
Average BTU/HR (KCAL/HR) at x" (mm) water column	500,000 (126,500) @ 13.5" (343)	500,000 (126,500) @ 13.5" (343)	1,000,000 (253,000) @ 13.5" (343)	1,400,000 (352,000) @ 13.5" (343)	1,400,000 (352,000) @ 13.5" (343)	2,000,000 (504,000) @ 18" (457)	
Steam inlet (steam models)							
Steam range (85 - 180 PSI) (6 - 12 ATU) or (160 - 225 PSI) (11 - 15 ATU)	600 LB/HR (272 KG/HR)	600 LB/HR (272 KG/HR)	950 LB/HR (431 KG/HR)	1300 LB/HR (590 KG/HR)	1990 LB/HR (903 KG/HR)		Pipe material per plumbing code.
Boiler horsepower (actual) for sizing boiler	17 HP (12.75 kW) Note 1, 22 HP (16.5 kW) Note 2	17 HP (12.75 kW) Note 1, 22 HP (16.5 kW) Note 2	25 HP (18.75 kW) Note 1, 30 HP (22.5 kW) Note 2	35 HP (26.2 5kW) Note 1, 40 HP (30 kW) Note 2	58 HP (43.42 kW) Note 1, 68 HP (51 kW) Note 2		
Main air intake							
Maximum SCFM (CU M/MIN)	3,600 (102)	3,600 (102)	5,000 (142)	6,800 (193)	8500 (241)	10,000 (283)	See Note 3
Maximum allow-able back pressure	0.5" (water column)						
Combustion air intake (gas only)							
Maximum SCFM (CU M/MIN)	250 (7)	250 (7)	400 (11)	500 (14)	500 (14)	717 (20)	No ducting required.
Other connections							
Sprinkler water inlet	35 PSI (2.4 ATU). Must be reliable non-interrupted source for fire safety.						Piping material per plumbing code.
Compressed air inlet (all models)	Clean and dry 85 PSI (5.8 ATU) to 125 PSI (8.5 ATU)						
1/2" inch NPT tap (gas models only)	Plugged tap, accessible for test gauge connection, installed immediately upstream of the gas supply connections to the dryer.						

Note 1: Steam consumption values assume dryer is loaded to rated capacity and ignores external energy losses in either the steam delivery or condensate return piping.

Note 2: The horsepower "for sizing boiler" provides for actual consumption and some external energy losses. See “ABOUT THE STEAM AND HOT OIL CONTROL SYSTEMS.”.. (see Table of Contents).

Note 3: Ducting to exterior of building highly recommended, but may be left unpiped if laundry always open to outside air.

Table 2: Piped Outlet Specifications (See dimensional drawings for connection point sizes/locations)

Description of Connection	Destination Requirements	Piping Specifications	Comments
Gas line vent (Gas models only)	Must be vented to exterior of building	1/4" stainless steel or black iron	Carries off gas which might escape gas valves.
Steam condensate outlet (Steam models only)	Return to boiler through properly sized and installed steam trap	Per plumbing code	See "ABOUT THE STEAM AND HOT OIL CONTROL SYSTEMS..."
Vacuum breaker (steam)	Vent tube to sewer		See "HOW TO SIZE DRYER INLET AND DISCHARGE AIR DUCTING"
Main air outlet	Vent to exterior of building		

2.2. Remove Blower Shipping Bracket and Reconnect Motor Contactor Coil

CAUTION 7: Machine Damage Hazards—Machine can be damaged if red shipping restraints are improperly utilized. These include various bolts, brackets, weldments and safety stands.

- DO NOT remove shipping restraints until installation is complete.
- DO remove all shipping restraints before operating machine.

Machines are shipped with a blower shipping bracket (Figure 1). This bracket immobilizes the blower bearing, preventing bearing damage during shipping. Connections to one side of the blower motor contactor coil (Figure 2), are removed after testing, preventing blower operation with bracket in place. Remove bracket and reconnect contactor coil as follows:

1. Unbolt and remove red bracket.
2. Install belt guard.
3. Locate blower contactor inside the high voltage enclosure.
4. Match tagged coil wires with the tagged contactor coil terminal. Insert wires in terminal then tighten fastener.

Figure 1: Blower Shipping Bracket

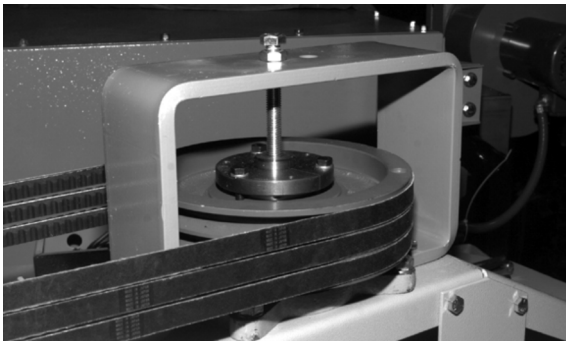


Figure 2: Reconnect Blower Contactor Coil Wires

2.3. Precautions for Electrical Connections

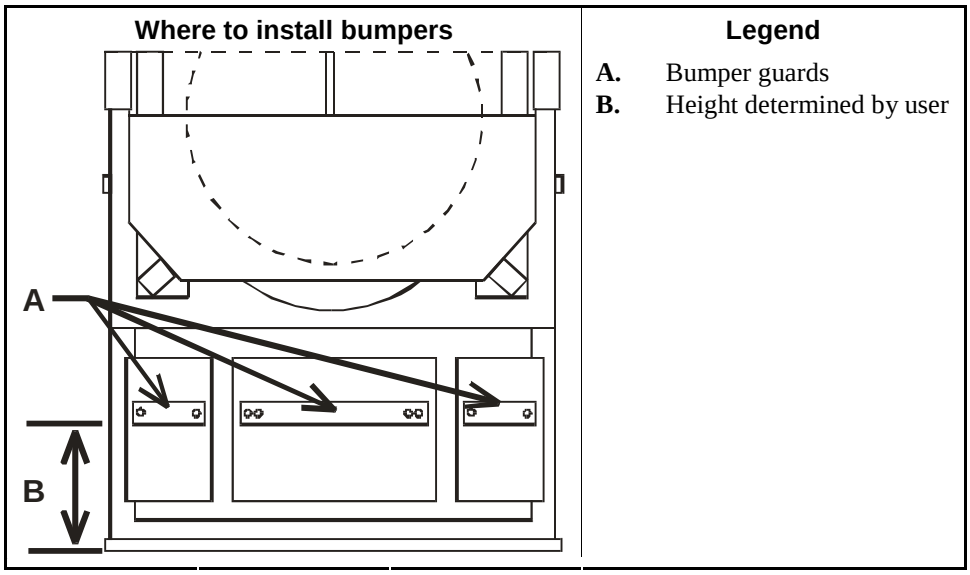
WARNING 8: Electrocution and Electrical Burn Hazards—Electrical source can cause death or severe injury. Connections must be made by a competent electrician.

1. Prior to making power connections, read the instructions on all related tags.
2. "Stinger leg" if any, must only be connected to terminal L3, never to terminals L1 or L2.
3. See fuse and wire sizing information in schematic manual and on machine nameplate.
4. Verify all motor rotation. If the cylinder turns in the wrong direction, interchange the wires connected to L1 and L2. Never move L3.

2.4. Electric Power Connections—The customer must furnish a remotely mounted disconnect switch with lag type fuses, circuit breakers, and wiring between this box and the fuse box on the machine. The sizes of these fuses and wires, along with the motor fuses supplied with your machine, depend on the machine voltage.

WARNING 9: Fire Hazards—Sprinkler and overheat control—Failure to supply water to the sprinkler or to open the manual valve, or failure of the overheat control, eliminates the machine's internal fire protection. Normally the machine stops and water is sprayed into the cylinder if outlet temperature reaches 240 degrees Fahrenheit (116 degrees Celsius).

Figure 3: Bumper Guard Installation



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Service and Maintenance 3

BIPDRM01EN (Published) Book specs- Dates: 20141103 / 20141103 / 20141103 Lang: ENG01 Applic: PDU

Set the Heating System - Ratio Air Dryer

This document applies to dryers with the Eclipse Thermjet burner. These include models with the prefixes 6458TG1_, 6464TG1_ and 7676TG1_. See document BIPDJM02 for gas dryer models with prefixes 5040TG2_, 5050TG2_ , and 7272TG1_. You use this procedure to set or confirm the correct gas and air flows. This can be necessary when the dryer is installed and when components of the gas train are replaced.

You must be a technician trained to do work on gas trains and familiar with gas train components. This procedure requires a manometer. Check Table 1 below for the necessary manometer range. Tubes and fittings to connect to the taps (test ports) shown herein are also necesary. In some cases, a fitting with a valve is necessary to control the gas released from the tap.

1. Summary of Steps and Required Values

Table 1: All Applicable Models

Step		Gauge Points		Required Value			
				6458TG1_, 6464TG1_		7676TG1_	
				Inches H2O	mbar	Inches H2O	mbar
1	**Starting conditions**	not applicable		See Section 5.1			
2	**Static (incoming) gas pressure****	GGS**	atmosphere	25*	62.3	40*	99.6
3	**Regulated pilot gas pressure**	GGP	atmosphere	3	7.5	3	7.5
4	**Pilot flame gas pressure**	GGP	atmosphere	2.5	6.2	2.5	6.2
5	**Enable heating**	not applicable					
6	**Differential air pressure**	GRH	GRL	9.5 to 11.5	23.7 to 28.6	9.5 to 10	23.7 to 24.9
7	**Differential gas pressure preferred:**	GFH	GFL	5	12.5	5.6	13.9
	acceptable range:			4.8 to 5.2	12 to 13	5.4 to 6.0	13.5 to 14.9
8	**Minimum fire temperature ABOVE AMBIENT**	view on display		70 F	21 C	70 F	21 C
9	**Minimum main air pressure**	GAM	atmosphere	1.2	3	2.4	6
—	**Maximum main gas pressure**	none		SPGH remains set to 35		SPGH remains set to 50	
10	**Minimum main gas pressure**	GGL	atmosphere	15	37.4	17	42.3
11	**Combustion air pressure**	GRC	atmosphere	2	5	2	5
12	**Maximum back (air) pressure**	none		0.8	2	0.8	2

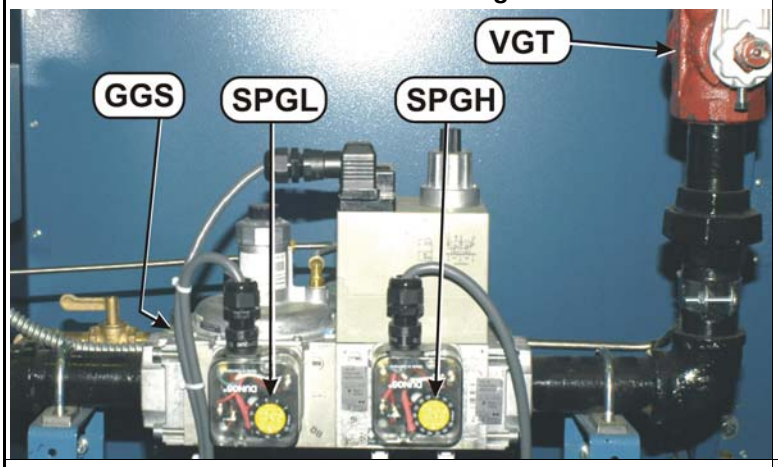
*** Must not exceed. A pressure that exceeds the maximum can damage the regulator.**

**** On 6458TG1_ and 6464TG1_ models, GGS is as shown in Figure 1. On 7676TG1_ models, it is a plug on the main gas regulator.**

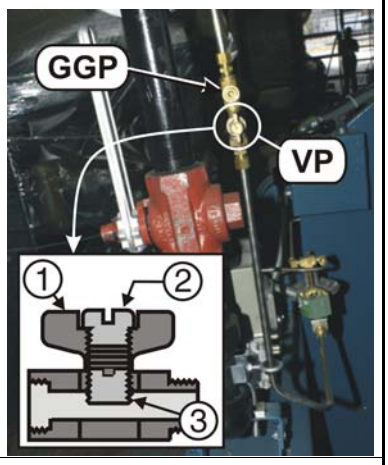
2. Adjustment Components

Figure 1: Gas Adjustment Components (6464TG1_ shown. 7676TG1_ models are similar.)

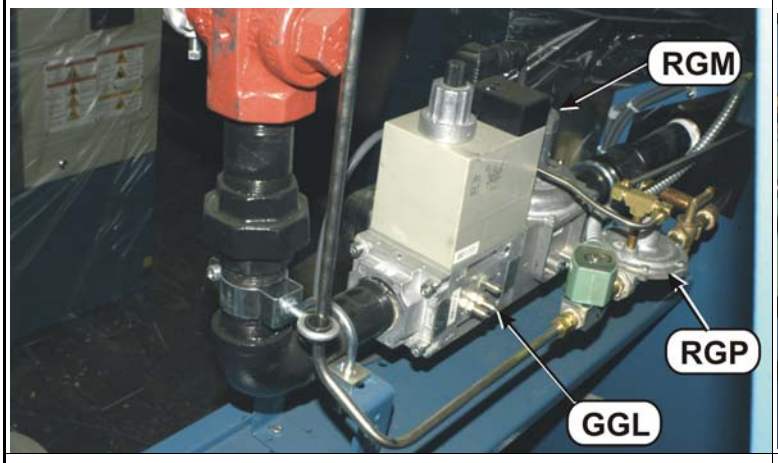
Main Gas Valve and Reguator



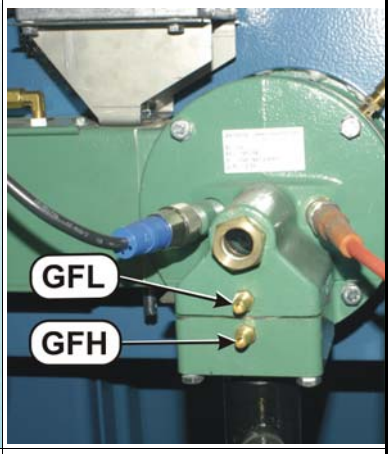
Pilot Line



Main Gas Valve - Rear



Ratio Gas Pressure Taps



Legend

GFH. Ratio gas pressure high tap
GFL. Ratio gas pressure low tap
GGL. Main gas pressure low tap
GGP. Pilot gas pressure tap
GGS. Static (incoming) gas pressure tap. 6464TG1 models are as shown. On 7676TG1 models, GGS is a plug on RGM.
RGM. Main gas regulator
RGP. Pilot gas regulator
SPGH. High gas pressure switch
SPGL. Low gas pressure switch
VGT. Manual test valve
VP. Pilot gas cock
1. Handle (shown in open position)
2. Cover screw
3. Adjustment screw
VB. Butterfly valve
4. locking screw

Butterfly Valve

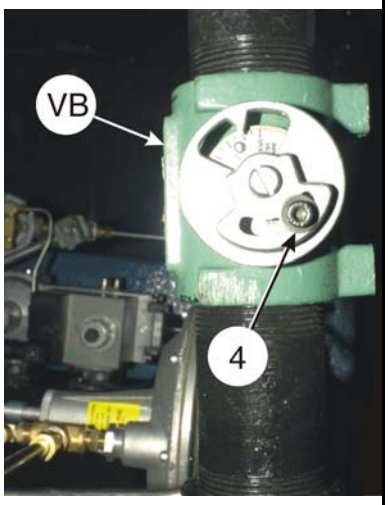
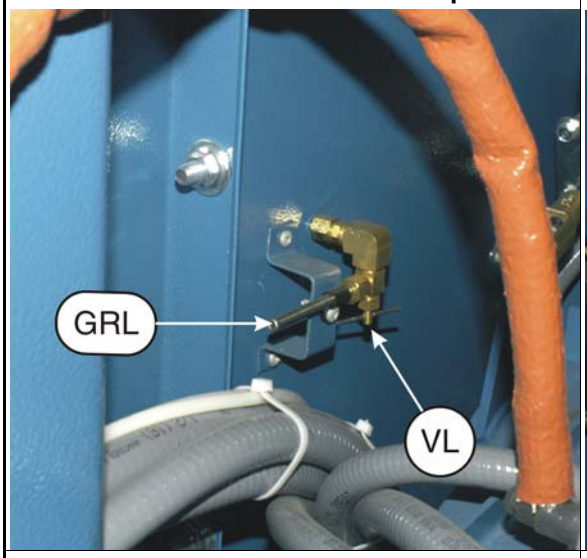
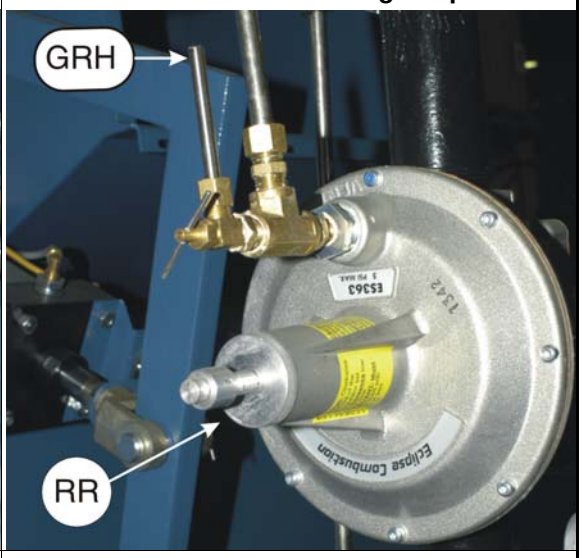


Figure 2: Air Adjustment Components (6464TG1_ shown. Other models are similar.)

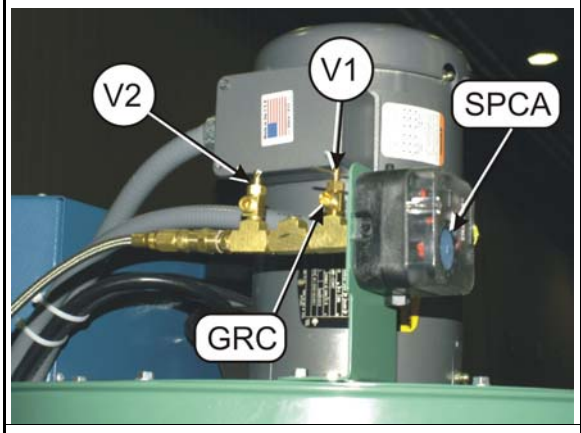
Ratio Air Pressure Low Tap



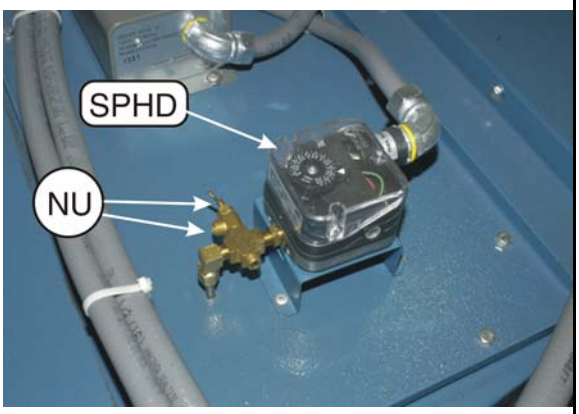
Ratio Air Pressure High Tap



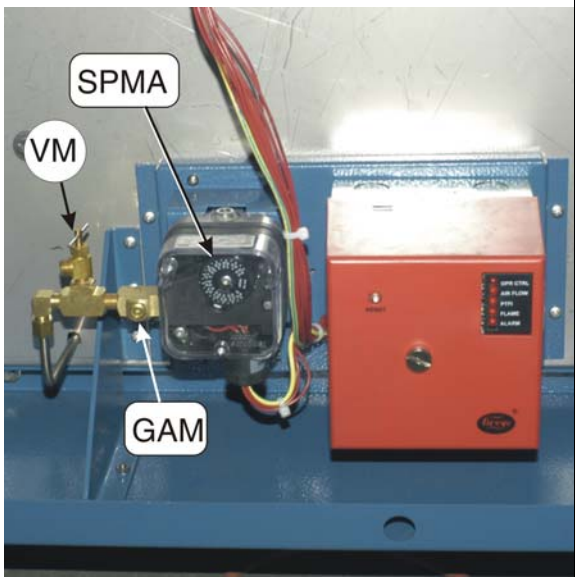
Combustion Air Pressure Switch



Back Pressure Switch



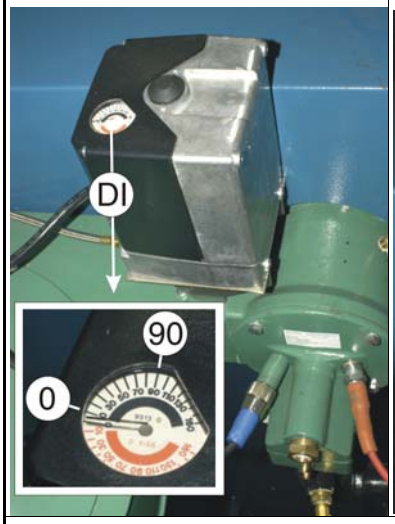
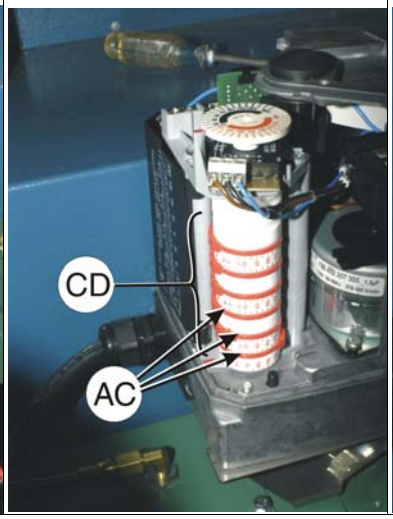
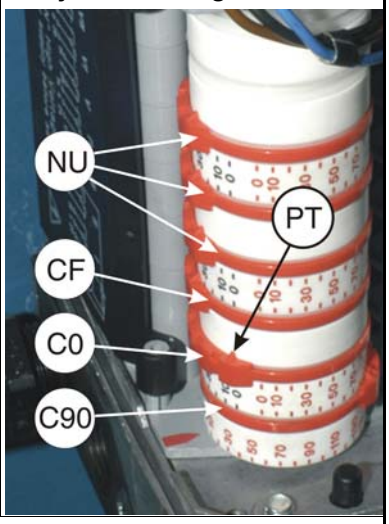
Main Air Pressure Switch



Legend

GAM. Main air tap
GRC. Combustion air pressure tap
GRH. Ratio air pressure high tap
GRL. Ratio air pressure low tap
NU. Not used
RR. Ratio air regulator
SPCA. Combustion air pressure switch
SPHD. Back pressure switch
SPMA. Main air pressure switch (lower front of dryer)
VL. Ratio air low needle valve
VM. Main air needle valve
V1. Combustion air primary needle valve
V2. Combustion air secondary needle valve

Figure 3: Ratio Air Actuator

Actuator with Cover On	Actuator with Cover Off	Adjustable Rings on Drum
		

Legend

DI. Dial indicator—Shows the rotational position of the damper in degrees.
0. Position 0 (zero): damper fully closed.
90. Position 90: damper fully open (open 90°). Read black numbers. Ignore red numbers.
CD. Cam drum. The drum rotates as the damper position changes.
AC. Adjustable cams.
PT. Pointer on adjustable cam.
CF. Cam to set minimum fire temperature. Read black numbers. Ignore red numbers.
R0. Cam to set closed position. Must remain set at 0°.
R90. Cam to set fully open position. Must remain set at 90°.
NU. Not used.

3. How to Access Setup Mode C to Ignite the Pilot

Display or Action	Explanation
WAITING FOR LOAD **********	The display after the power up sequence
MANUAL	Accesses ***manual mode*** menu (press CANCEL to return to automatic).
RETURN TO AUTOMATIC 00	Shows the display in **manual mode**
1 2	Selects the **setup procedure**
SETUP PROCEDURE 12	The display with the setup procedure accessed.
ENTER, ENTER, ENTER	Advances to **setup mode C**
ENTER, ENTER, **etc.**	When the pilot is lit, or if you must try again to ignite the pilot, advance until you exit setup modes. You must wait eight seconds in **mode C** and five seconds in **mode D.**
0, 0	Selects "RETURN TO AUTOMATIC"

4. How to Manually Control the Main Air Damper and Modulating Gas Valve

Display or Action	Explanation
WAITING FOR LOAD **********	The display after the power up sequence.
MANUAL	Accesses the **manual load** menu
SELECT DRY CODE 00 REDRY	
ENTER	Accepts the selected dry code and prompts for load size
ENTER LOAD SIZE 0 FULL LOAD	
ENTER	Accepts the default load size (full load).
LOAD DRYER WITH REDRY	Ignore this prompt.
ENTER	Starts the cycle.
LOADING	This display appears.
00F TIC TOC 000 VP xx xxxAxxx xxx xxx	This display appears. The VP value alternates with an air value.

Wait for the burner to ignite and for outlet temperature to rise to the programmed value.

MANUAL	Stops the timer and accesses the manual control panel for temperature, damper and basket rotation.
TICHTOC LDA MVP BSPD xxx+xxx x0x 0x xxxx	
DAMPER + ↑ or DAMPER + ↓	Sets the damper position. Hold the keys until the desired damper position appears. Example: D = 2.
TICHTOC LDA MVP BSPD xxx+xxx x2x xxx 000	
MOD VALVE POSITION + ↑ or MOD VALVE POSITION + ↓	Sets the modulating gas valve (position). Hold the keys until the desired valve position appears. Example: MVP = 255
TICHTOC LDA **MVP** BSPD xxx+xxx x2x 255 xxxx	You can quickly move between minimum fire and maximum fire. The modulating valve position wraps from 000 to 255 and the reverse.
CANCEL	Returns to automatic.

5. Adjustment Steps

Refer to Section 1 while you do these procedures. In these steps, mount the manometer vertically and use the high pressure scale, except where stated otherwise.

WARNING 1: Explosion hazard—Improper maintenance procedures can cause the rapid release of gas.

- You must be an approved technician.

- Make sure you can quickly shut off gas at the external valve.
- Do not open gas taps (test ports) until you are ready with the condition and materials necessary to avoid the hazardous release of gas.

WARNING 2: Crush and entangle hazard—Moving components can crush and entangle body parts.

- Use extreme caution when you work near moving components.

5.1. Step 1: Set the starting conditions.—Most of these are temporary adjustments to make sure that you can achieve the subsequent settings.

Main gas regulator (RGM in Figure 1)—Turn the top adjustment screw fully clockwise (fully open). **This is the final adjustment. RGM remains at this setting.**

Ratio regulator (RRM in Figure 2)—Set the top adjustment screw as stated below.

- 6464TG1_ models—turn full counter-clockwise then 2.75 turns clockwise
- 7676TG1_ models—turn full counter-clockwise then 24 turns clockwise

Manual butterfly valve (VB in Figure 1)—Release the locking screw (item 4), open the valve fully then tighten the locking screw.

Minimum fire cam (CF) on ratio air actuator (Figure 3)—Set the pointer to 40º open.

Low gas pressure switch (SPGL in Figure 1)—Set the dial to the lowest value.

High gas pressure switch (SPGH in Figure 1)—Set the dial as stated below. **This is the final adjustment. SPGH remains at this setting.**

- 6464TG1_ models, set the dial to 35
- 7676TG1_ models, set the dial to 50

Combustion air pressure switch (SPCA in Figure 2)—Set the dial to the lowest value.

Main air pressure switch (SPMA in Figure 2)—Set the dial to the lowest value.

5.2. Step 2: Set static (incoming) gas pressure.

1. Shut off the gas supply to the machine.
2. See Figure 1. Attach one side of the manometer to **GGS**. Leave the other side open to the atmosphere.
3. Supply gas to the machine.
4. Adjust the incoming gas (upstream from the dryer) as close as possible to the maximum static gas pressure listed in Table 1. This pressure is necessary for further adjustments. Pressures higher than specified can damage the regulator.

5.3. Step 3: Set regulated pilot gas pressure.

1. Use SETUP MODE C (see Section 3) to turn on the **pilot gas valve**. If this is the first time the dryer has been fired, it can be necessary to exit the SETUP MODE and return to SETUP MODE C up to six times before the pilot line fills with gas and the pilot ignites.
2. See Figure 1. Attach one side of the manometer to **GGP**. Leave the other side open to the atmosphere.
3. Remove the cover screw (2) from **VP**.
4. Turn the set screw (3) counterclockwise until the top of the screw is about 1/8 inch (3 mm) below the top of the valve handle. **Do not allow the set screw to come out of the valve. Gas will escape.**

5. Adjust **RGP** until the manometer displays the value specified in Table 1.

5.4. Step 4: Set pilot flame gas pressure.—If the flame control trips during this step, press , and to reset it.

1. Look at Figure 1. Leave the manometer connected to **GGP** and to the atmosphere.
2. Close **VGT**.
3. Remove the center screw (item 2) from **VP.**
4. Turn the adjustment screw (3) on **VP** clockwise, until the manometer shows the value specified in Table 1.
5. Replace the cover screw (2) in **VP**.
6. Open **VGT**.

5.5. Step 5: Enable heating.

1. See Section 4. Run a drycode.
2. Verify ignition. Watch for the Main Gas status light ( ) to illuminate.
3. Watch the display for the programmed temperature to be achieved.
4. Command minimum fire (MVP = 001) and the main air damper to position 2 (D = 2).

CAUTION 3: Risk of over-heating—Two of the subsequent steps must be performed at maximum fire (MVP = 255). If the dryer is already hot, safety apparatuses can trip and cause the sprinkler to actuate in as little as 15 seconds at maximum fire.

- Be prepared to return to minimum fire (MVP = 001) and allow the dryer to cool down if you cannot complete the step quickly. See Note 1.
- Restart the step several times, if necessary, until you can accomplish it quickly.

> **Note 1:** Technically, minimum fire is the value 000 (MVP = 000). However, this instruction sometimes calls for the value 001, which achieves minimum fire without the risk that the controller will skip to the discharge sequence at the end of the drycode. This happens if the controller detects MVP = 000 in an over-heat condition.

5.6. Step 6: Check maximum fire differential air pressure.

1. See Figure 2. Connect the manometer between GRL and GRH.
2. See caution statement 3 . Command maximum fire (MVP = 255) and main air damper fully open (D = 0)
3. Take note of the manometer pressure reading.
4. Return to minimum fire (MVP = 001) and main air damper position 2 (D = 2).
5. Confirm that the pressure is within the range specified in Table 1. If not, see Notice 4 .

Notice 4: Insufficient combustion air—If you measured insufficient differential pressure, go no further. There is a problem with the combustion air supply, perhaps with the combustion air motor or the ratio air actuator. You will not be able to complete the adjustment steps.

- Troubleshoot then restart the adjustment steps.

5.7. Step 7: Set the maximum fire differential gas pressure.

1. See Figure 1. Connect the manometer across **GFH** and **GFL.**
2. Loosen the locking screw (item 4) on **VB.**

3. See caution statement 3 and Section 4. Command maximum fire (MVP = 255) and main air damper fully open (D = 0).
4. Take note of the manometer pressure reading.
5. Command minimum fire (MVP = 001) and main air damper position 2 (D = 2).
6. In Step 1, you set the manual butterfly valve fully open. Confirm that the differential pressure is within or above the range given in Table 1. If not, see Notice 5 .
7. If the measured pressure is **above** the specified range, command maximum fire (MVP = 255) and main air damper fully open (D = 0). Adjust VB until the differential pressure is within the range range specified in Table 1.
8. Command minimum fire (MVP = 001) and main air damper position 2 (D = 2).
9. Tighten the locking screw (item 4) on **VB.**

Notice 5: Insufficient gas pressure.—If the differential gas pressure is below the range given in Table 1 with the butterfly valve fully open, go no further. There is a problem with the gas supply. It will not be possible to make the subsequent adjustments.

- Troubleshoot then restart the adjustment steps. If the differential pressure is close to the required range, you can open the ratio regulator (RR in Figure 2) an additional amount, not to exceed 2 additional turns.

5.8. Step 8: Set the minimum fire temperature.—Minimum fire temperature is the lowest inlet temperature that will sustain a good quality (blue) flame. The rule of thumb is 70° F (21° C) above the ambient temperature in the laundry.

1. Determine the minimum fire temperature for your laundry: ambient temperature + 70° F (21° C).
2. With minimum fire (MVP = 001) commanded, observe the inlet temperature on the display.
3. See Figure 3. In small increments, adjust the minimum fire cam **CF** on the damper actuator to a higher (hotter) or lower (cooler) number as required. The system will adjust to a lower (cooler) setting. If you set the cam higher (hotter), you must command maximum fire (MVP = 255) for 15 seconds then return to minimum fire (MVP = 001) and let the system settle to the new temperature.
4. With each change, observe the inlet temperature on the display. Allowing time for the temperature to react to the change.

5.9. Step 9: Set low main air pressure.

1. See Section 4. Command the main air damper fully open (D = 0).
2. See Figure 2. Turn the dial on **SPMA** counterclockwise, to the lowest value.
3. Attach one side of the manometer to **GAM** (the lower pressure). Leave the other side open to the atmosphere (the higher pressure).
4. Adjust **VM** until the manometer displays the value shown in Table 1.
5. Look at the burner box pressure light (⧏) on the status light panel. **Very slowly** turn the dial on **SPMA** clockwise:
6. Stop when the light illuminates.
7. Close **VM** fully.

5.10. Maximum main gas pressure—High main gas pressure was set on the high gas pressure switch (SPGH) in Step 1. No other action is necessary.

5.11. Step 10: Set minimum main gas pressure

1. see Section 3 Command minimum fire (MVP = 000).
2. See Figure 1. Turn the dial on **SPGL** counterclockwise to the lowest value.
3. Attach one side of the manometer to **GGL** (the higher pressure). Leave the other side open to the atmosphere.
4. Start with the **external gas shut-off valve** open. Slowly close this valve until the manometer displays the value specified in Table 1.
5. Look at the gas pressure low light ( ) on the status light panel. Slowly turn the dial on **SPGL** clockwise (higher). Stop when **SPGL** trips and the burner extinguishes.
6. Open **external gas shut-off valve** fully.
7. The status light illuminates briefly, then blinks. The burner should ignite as soon as pressure is restored. Press and to extinguish the status light.

5.12. Step 11: Set minimum combustion air pressure.—In this step, you will measure a small pressure. It is necessary to mount the manometer near horizontal and use the low pressure scale (Section 4). Do this step with minimum fire (MVP = 001) and main air damper position 2 (D = 2) commanded.

1. See Figure 2. Turn the dial on **SPCA** counterclockwise to the lowest value.
2. Attach one end of the manometer to **GRC** and the other side to atmosphere.
3. Adjust **V1** until the manometer displays the value shown in Section 1. If you cannot get the required value with **V1** wide open, slowly open **V2** until you get the required value.
4. Look at the burner box pressure light ( ) on the status light panel. Slowly turn the dial **SPCA** clockwise. Stop when the light illuminates.
5. Close **V1** and **V2** fully.

5.13. Step 12: Set maximum main air back pressure—See Figure 2. The dial on **SPHD** is set at the factory to the value specified in Table 1. If the maximum back pressure is exceeded, this switch trips. This causes the message "Back pressure high" or "Clean the lint screen" to appear on the controller display to indicate that a lint screen may be blocked. It does not stop dryer operation. It may be necessary to adjust this switch slightly once the machine is connected to the laundry ductwork. Air pressure in the plenum for this dryer may be affected by the ductwork configuration and by adjacent dryers.

It is difficult to adjust **SPHD** with a manometer. Initially, this switch was set with the dial alone (the marks on the dial show the specified value). If the message appears too frequently, turn the dial to a higher value. If the message does not appear when it should (when a lint screen is blocked) turn the dial to a lower value.

— End of BIPDRM01 —

BIPDJM02 (Published) Book specs- Dates: 20140204 / 20140204 / 20140204 Lang: ENG01 Applic: PDU

Set the Heating System

This document supersedes document BIPDJM01 for all gas dryer models manufactured after January 1, 2011. These include models with prefixes 5040TG2_, 5050TG2_ , 6458TG1_, and 7272TG1_.

You use this procedure to set certain gas and air conditions. It may be necessary to do this procedure when the dryer is installed. It is also necessary to set certain components when the component is replaced. This procedure requires manometer kits KWGP030100 and KWGP150100 (available from Milnor®) or equivalent equipment. Each kit includes a differential pressure gauge, fittings and tubing.

When you set the heating system, you will do a sequence of steps. In most steps you will make the necessary adjustments to change a measured pressure to match a specified value.

gas train—the group of valves and related components that controls the flow of natural gas or propane into the dryer

flame control—an electronic module that monitors and maintains a safe flame. Milnor system dryers use two brands of flame control: Fireye and Landis + Gyr.

setup mode—a method of performing adjustments that activates the appropriate components for a given adjustment step. If your machine has the Fireye flame control, you must use the setup mode to make adjustments.

manual method—a method of performing adjustments that runs a dry code manually and permits you to specify certain conditions for a given adjustment step. If your machine has the Landis + Gyr flame control, you must use the manual method to make adjustments.

manometer—an instrument to measure gas pressure

Reset button—symbolized in this procedure, refers to both the physical push button used to cancel a blinking light on the dryer status light panel and to the reset button on the flame control (Fireye or Landis + Gyr). In this procedure, use whichever reset component applies to the task.

Signal Cancel button—symbolized in this procedure, refers to the button on the dryer controller screen used to cancel the operator alarm.

Several types of Dungs gas train and two types of flame control are available to meet different local codes. Applicable models will use one of the types of gas train, corresponding flame control, and corresponding setup method listed in Table 1. This document describes one general procedure, but indicates where you will do something one way or the other, depending on which of the two setup methods you use (which type of flame control you have).

Table 1: Gas Gas Train and Flame Control Options

Type of Gas Train	Brand of Flame Control	Setup method
Natural Gas, CSA	Fireye	Setup Mode
Propane, CSA	Fireye	Setup Mode
Natural Gas, IRI	Fireye	Setup Mode
Natural Gas, Europe	Landis + Gyr	Manual method
Propane, Europe	Landis + Gyr	Manual method
Natural Gas, Australia	Landis + Gyr	Manual method
Propane, Australia	Landis + Gyr	Manual method
Natural Gas, Holland	Landis + Gyr	Manual method

1. Summary of Steps and Required Values

Table 2: All Models

Step		Gauge Point*	Which Models	Required Value					
				Fireye, CSA		Fireye, IRI		Landis + Gyr	
				Inches H2O	mbar	Inches H2O	mbar	Inches H2O	mbar
1	**Static (incoming) gas pressure****	GGS	5040TG_, 6458TG_	13.5	33.6	13.5	33.6	13.5	33.6
			7272TG_	18	44.8	18	44.8	18	44.8
2	**Minimum differential combustion air pressure**	GAC and GRC	5040TG_	0.4	1	0.4	1	0.14	0.35
			6458TG_, 7272TG_	0.6	1.5	0.6	1.5	0.4	1
3	**Minimum main air pressure**	GAM	all	1.2	3	1.2	3	1.2	3
4a	**Regulated pilot gas pressure**	GGP	5040TG_ - natural gas	1.3	3.2	1.3	3.2	1	2.5
			6458TG_ - natural gas	1.6	4	1.6	4	1	2.5
			7272TG_ - natural gas	1.6	4	1.6	4	1	2.5
			5040TG_ - propane	1.3	3.2	1.3	3.2	pending	
			6458TG_ - propane	1.6	4	1.6	4	0.4	1
			7272TG_ - propane	1.6	4	1.6	4	pending	
4 b	**Pilot flame gas pressure**	GGP	all - natural gas	1	2.5	1	2.5	n.a.	n.a.
			5040TG_ - propane	pending		pending		n.a.	n.a.
			6458TG_ - propane	0.8	2	0.8	2	n.a.	n.a.
			7272TG_ - propane	pending		pending		n.a.	n.a.
5	**Regulated main gas pressure**	GGR	5040TG_	4.5	11.2	4.5	11.2	4.5	11.2
			6458TG_	6.5	16.2	6.5	16.2	6.5	16.2
			7272TG_	5.5	13.7	5.5	13.7	5.5	13.7
6	**Low fire temperature ABOVE AMBIENT**	view on display	all	70-80 F	21-27 C	70-80 F	21-27 C	70-80 F	21-27 C
7	**Maximum main gas pressure**	GGH	5040TG_	5.6	13.9	5.6	13.9	5.6	13.9
			6458TG_	8.1	20.2	8.1	20.2	8.1	20.2
			7272TG_	6.9	17.1	6.9	17.1	6.9	17.1
8	**Minimum main gas pressure**	GGL	5040TG_	2.25	5.6	2.25	5.6	2.25	5.6
			6458TG_	3.25	8.1	3.25	8.1	3.25	8.1
			7272TG_	2.75	6.9	2.75	6.9	2.75	6.9
9	**Minimum burner box pressure**	GAB	5040TG_	0.06	1.5	0.06	1.5	0.04	0.1
			6458TG_, 7272TG_	0.06	0.15	0.06	0.15	0.06	0.15
10	**Maximum back (air) pressure**	none	all	0.8	2	0.8	2	0.8	2

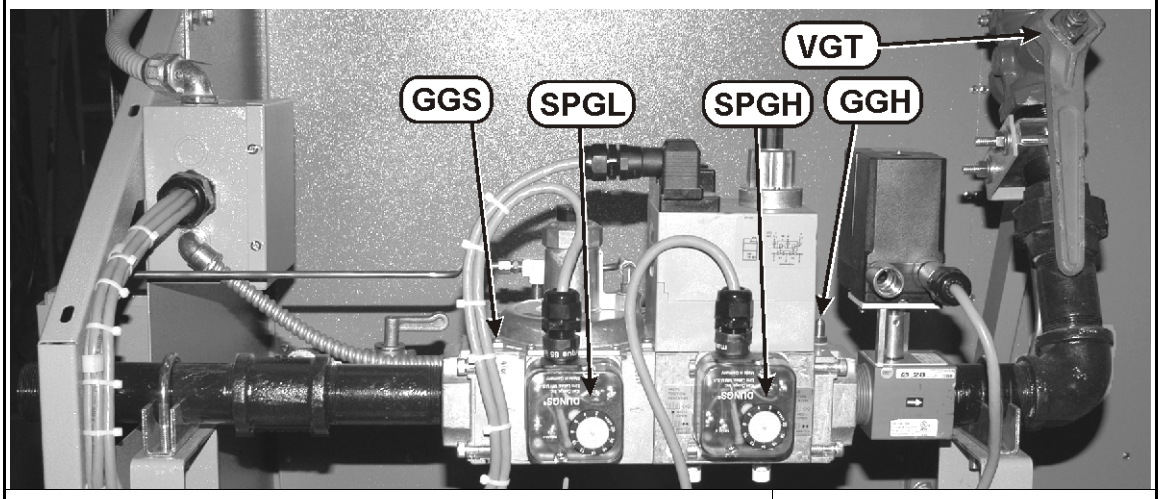
*** The reference point is atmosphere unless two values are shown for the gauge point.**

**** Must not exceed. A pressure that exceeds the maximum can damage the regulator.**

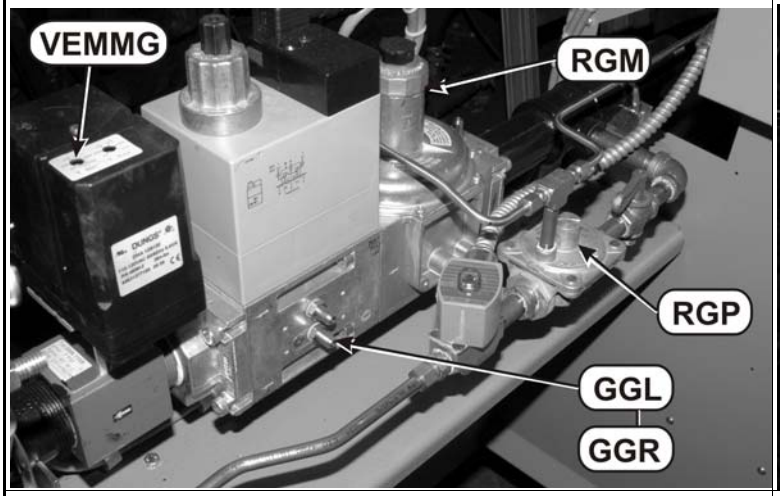
2. Component Locations

Figure 1: Gas Adjustment Components (5040TG2_ shown. Other models are similar.)

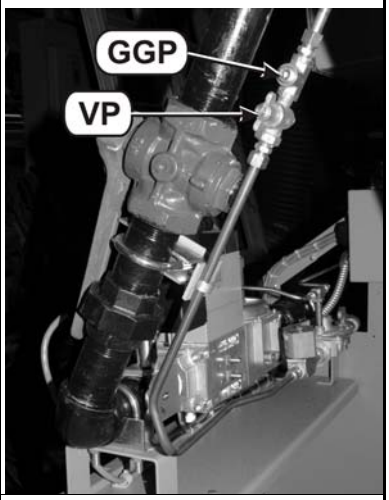
Front View



Rear View



Pilot Line



Legend

GGS. Static (incoming) gas pressure gauge point
GGH. Maximum main gas pressure gauge point
GGL. Minimum main gas pressure gauge point
GGR. Regulated main gas pressure gauge point
GGP. Pilot gas pressure gauge point
RGM. Main gas regulator
RGP. Pilot gas regulator
SPGL. Low gas pressure switch
SPGH. High gas pressure switch
VEMMG. Modulating gas valve (adjustment screw)
VGT. Manual test valve
VP. Pilot gas cock
1. Handle (shown in open position)
2. Cover screw
3. Adjustment screw

Pilot Gas Cock (VP)

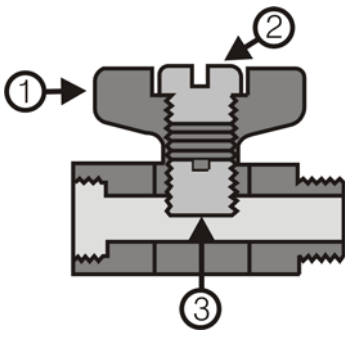
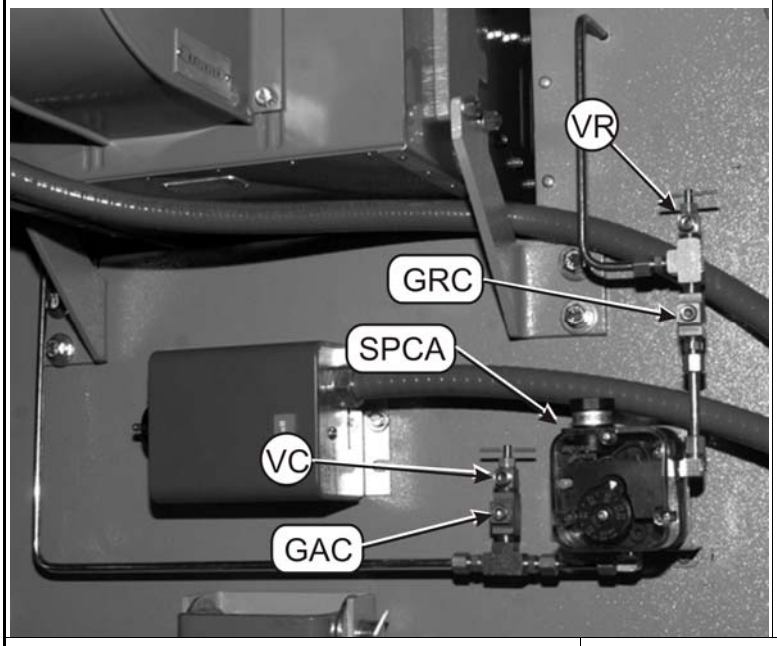
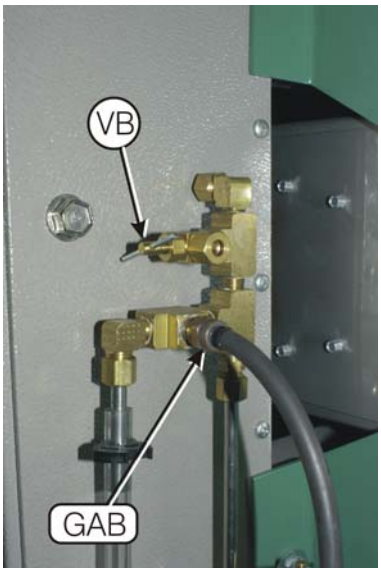


Figure 2: Air Adjustment Components (5040TG2_ shown. Other models are similar.)

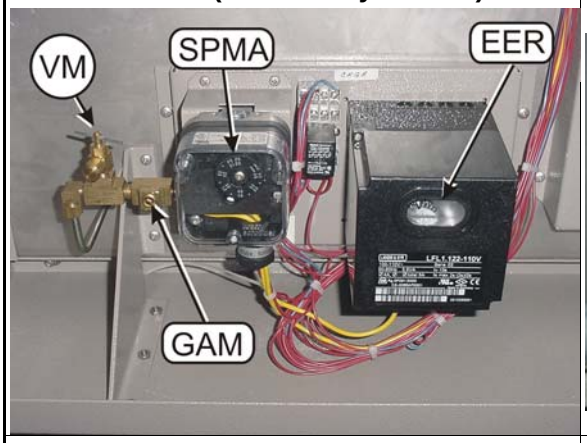
Combustion Air



Burner Box Air

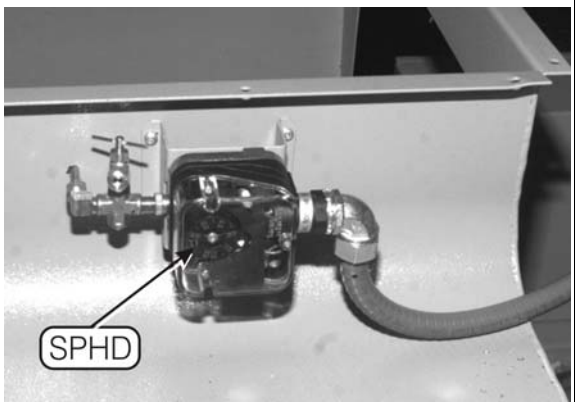


Main Air (Landis + Gyr shown)



Burner Box Pressure Switch

Back Pressure Switch



Legend

GAB. Burner box air pressure gauge point
GAC. Combustion air primary gauge point
GRC. Combustion air reference gauge point
GAM. Main air gauge point
VB. Burner box air pressure needle valve
VC. Combustion air primary needle valve
VR. Combustion air reference needle valve
VM. Main air needle valve
SPBB. Burner box pressure switch (adjustment screw)
SPCA. Combustion air pressure switch
SPHD. Back pressure switch
SPMA. Main air pressure switch
EER. Landis + Gyr flame control reset

3. Setup Methods—Fireye or Landis + Gyr Flame Control

Do Step 1 (see Section 4) before you perform one of the setup methods described in this section. Perform the appropriate setup method before you start Step 2. If your machine has a Fireye flame control, use the **Setup mode** (see Section 3.1). If your machine has a Landis + Gyr flame control, use the **Manual method** (see Section 3.2).

WARNING 1: Explosion hazard—Improper gas train maintenance procedures can cause the rapid release of gas.

- You must be an approved technician.
- Make sure you can quickly shut off gas at an external valve.

WARNING 2: Entangle and Crush Hazard —Moving components can entangle and crush body parts.

- Leave electrical power disconnected from the machine while you work on it, except where stated otherwise in this document.
- Use extreme caution when you work around moving components.

3.1. Setup Mode (Fireye flame control)

Display or Action	Explanation
WAITING FOR LOAD **********	The display after the power up sequence
MANUAL	Accesses ***manual mode*** menu (press CANCEL to return to automatic).
RETURN TO AUTOMATIC 00	Shows the display in **manual mode**
1 2	Selects the **setup procedure**
SETUP PROCEDURE 12	
ENTER	Accesses **setup mode A** (or the next mode in sequence)

Whenever the next setup mode is required, press ENTER and resulting display will be shown.

For a **quick return to run** mode from **setup procedure**

ENTER, ENTER, **etc.**	Advances through each of the six setup modes. Note, however, that the control requires waiting eight seconds in **mode C** and five seconds in **mode D.**
SETUP PROCEDURE 12	Resulting display
0, 0	Selects “RETURN TO AUTOMATIC”
ENTER	Returns to the run mode

3.2. Manual method (Landis + Gyr flame control)—If your machine has a Landis + Gyr flame control, run a dry code manually and set the damper position to 2, as explained below.

Display or Action	Explanation
`WAITING FOR LOAD` `**********`	The display after the power up sequence.
MANUAL	Accesses the **manual load** menu
`SELECT DRY CODE` `00 REDRY`	
ENTER	Accepts the default dry code 00 and prompts for load size
`ENTER LOAD SIZE` `0 FULL LOAD`	
ENTER	Accepts the default load size (full load).
`LOAD DRYER WITH` `REDRY`	Ignore this prompt.
ENTER	Starts the cycle.
`LOADING`	This display appears.
`00F TIC TOC 000 VP` `xx xxxAxxx xxx xxx`	This display appears. The VP value alternates with an air value.

Wait for the burner to ignite.

MANUAL	Stops the timer and accesses the manual control panel for temperature, damper and basket rotation.
`TICHTOC LDA MVP BSPD` `xxx+xxx x0x 0x xxxx`	
DAMPER + ↑	Sets the damper position. Hold the keys until the damper position (D) = 2.
`TICHTOC LDA MVP BSPD` `xxx+xxx x2x xxx 000`	
MOD VALVE POSITION + ↓	Closes the modulating gas valve (position). Hold the keys until MVP = 000.
`TICHTOC LDA MVP BSPD` `xxx+xxx x2x 000 xxxx`	

The burner will remain on at minimum fire (MVP=000) until commanded to return to automatic. Start Step 2 here. Upon completion of the steps,

CANCEL	Returns to automatic.

4. Adjustment Steps

Refer to Section 1 while you do these procedures. In these steps, mount the manometer vertically and use the high pressure scale, except where stated otherwise.

WARNING 3: Explosion hazard—Improper maintenance procedures can caue the rapid release of gas.

- You must be an approved technician.
- Make sure you can quickly shut off gas at the external valve.

WARNING 4: Crush and entangle hazard—Moving components can crush and entangle body parts.

- Work with electrical power removed from the machine, except where stated otherwise in this document.
- Use extreme caution when you work near moving components.

4.1. Step 1: Static (incoming) gas pressure

1. Remove electrical power and gas from the machine.
2. Look at Figure 1. Attach one side of the manometer to gauge point **GGS** (the higher pressure). Leave the other side open to the atmosphere.
3. Supply gas to the machine.
4. Adjust the incoming gas (upstream from dryer) as close as possible to the maximum static gas pressure listed in Section 1. This pressure is necessary for further adjustments. Pressures higher than specified can damage the regulator.

4.2. Step 2: Minimum differential combustion air pressure

Fireye—Start the Setup procedure and select SETUP MODE A (Section 3.1) . The combustion air motor runs. The main air pressure switch, modulating gas valve and the two main gas valves are disabled.

Landis + Gyr—Start the Manual method (Section 3.2). If the flame control trips during this procedure, press and to reset it.

In this step, you will measure a small differential pressure. It is necessary to mount the manometer near horizontal and use the low pressure scale.

1. Look at Figure 2. Turn the dial on **SPCA** counterclockwise to the lowest value.
2. Attach one end of the manometer to the gauge point **GAC** (the higher pressure). Attach the other side to the gauge point **GRC** (the lower pressure).
3. Adjust **VR** until the manometer displays the value shown in Section 1. If you cannot get the required value with **VR** wide open, slowly open **VC** until you get the required value.
4. Look at the burner box pressure light ( ) on the status light panel. Slowly turn the dial **SPCA** clockwise:

   Fireye—Stop when the light illuminates.

   Landis + Gyr—Stop when **SPCA** trips and the burner extinguishes. The light should illuminate momentarily, but this may be too quick to see. Press and to reset the flame control.
5. Close **VR** and **VC** fully.

4.3. Step 3: Minimum main air pressure

Fireye machines—Select SETUP MODE B (see Section 3.1). The damper will fully open.

Landis + Gyr machines—Set the damper fully open (D=0). See Section 3.2.

1. Look at Figure 1. Turn the dial on **SPMA** counterclockwise, to the lowest value.
2. Attach one side of the manometer to **GAM** (the lower pressure). Leave the other side open to the atmosphere (the higher pressure).
3. Adjust **VM** until the manometer displays the value shown in Section 1.
4. Look at the burner box pressure light ( ) on the status light panel. **Very slowly** turn the dial on **SPMA** clockwise:

   Fireye machines—Stop when the light illuminates.
   Landis + Gyr machines—Stop when **SPMA** trips and the burner extinguishes. The light should illuminate momentarily, but this may be too quick to see. Press and to reset the flame control.
5. Close **VM** fully.

4.4. Step 4A: Regulated pilot gas pressure

Fireye machines—Select SETUP MODE C (see Section 3.1). This turns on the **pilot gas valve**. After about eight seconds, the pilot flame should ignite.
Landis + Gyr machines—No action is necessary. The pilot flame should be lit.

WARNING 5: Explosion and Fire Hazard—Improper procedures can release gas.

- Follow instructions carefully.

1. Look at Figure 1. Attach one side of the manometer to **GGP** (the higher pressure). Leave the other side open to the atmosphere.
2. Remove the cover screw (2) from **VP**.
3. Turn the set screw (3) counterclockwise until the top of the screw is about 1/8 inch (3 mm) below the top of the valve handle. **Do not allow the set screw to come out of the valve. Gas will escape.**
4. Adjust **RGP** until the manometer displays the value specified Section 1.

4.5. Step 4B: Pilot flame gas pressure—If the flame control trips during this step, press , and to reset it.

1. Look at Figure 1. Leave the manometer connected to **GGP** and to the atmosphere.
2. Close **VGT**.
3. Turn the adjustment screw (3) on **VP** clockwise, until the manometer shows the value specified in Section 1.
4. Replace the cover screw (2) in **VP**.
5. Open **VGT**.

4.6. Step 5: Regulated main gas pressure—Make adjustment quickly. The machine will reach the maximum permitted temperature quickly and shut-off the burner. If a switch trips during this step, press and .

Fireye—Select SETUP MODE D (see Section 3.1). This turns on the **two main gas valves**. The **modulating gas valve** opens and modulates to position 100.
Landis + Gyr—Set the modulating gas valve to position 100 (MVP=100). See Section 3.2.

1. Make sure **VGT** is open fully.
2. Look at Figure 1 Attach one side of the manometer to **GGR** (the higher pressure). Leave the other side open to the atmosphere.

3. Turn the dial on **SPGL** counterclockwise to the lowest value. Turn the dial on **SPGH** clockwise to the highest value.
4. Adjust **RGM** until the manometer displays the value specified in Section 1.

If you are performing the entire adjustment procedure, you will set **SPGH** and **SPGL** in steps 7 and 8 respectively. If you performed this step as part of a component replacement, do steps 7 and 8 as well.

4.7. Step 6: Low fire temperature

Fireye machines—Select SETUP MODE E (see Section 3.1). This sets the modulating gas valve to 000 and displays the inlet temperature.

Landis + Gyr machines—Set the modulating gas valve to position 000 (MVP=000). See Section 3.2.

1. Look at Figure 1. Turn the adjustment screw on **VEMMG** (arrow points to this screw) fully counterclockwise.
2. **In small increments** turn the screw clockwise until the control panel display shows a temperature in the range specified in Section 1. It is necessary to wait for the display to settle after each adjustment. This task can take several minutes due to the lag time between when you make the adjustment and when the change in temperature appears on the display.

4.8. Step 7: Maximum main gas pressure

Fireye machines—Select SETUP MODE E (see Section 3.1). This sets the modulating gas valve to 000 and displays the inlet temperature.

Landis + Gyr machines—Set the modulating gas valve to position 000 (MVP=000). See Section 3.2.

1. Look at Figure 1. Turn the dial on **SPGH** clockwise to the highest value.
2. Attach one side of the manometer to **GGH** (the higher pressure). Leave the other side open to the atmosphere.
3. Start with **VGT** open. Slowly close **VGT** until the manometer displays the value specified in Section 1.
4. Look at the gas pressure high light ( ) on the status panel. Slowly turn the dial on **SPGH** counterclockwise (lower). Stop when the switch trips and the burner extinguishes.

   Fireye machines— The status light illuminates briefly, then blinks. Open the manual test valve again. The burner will ignite as soon as pressure is restored. Press and to extinguish the status light.

   Landis + Gyr machines—The status light should illuminate momentarily, but this may be too quick to see. The flame control automatically resets and attempts to ignite the burner.
5. Verify the proper adjustment: Open **VGT** fully. Watch the manometer. Slowly close VGT. **SPGH** should trip when the set value is reached.
6. Open **VGT** fully.

4.9. Step 8: Minimum main gas pressure

Fireye machines—Select SETUP MODE E (see Section 3.1). This sets the modulating gas valve to 000 and displays the inlet temperature.

Landis + Gyr machines—Set the modulating gas valve to position 000 (MVP=000). see Section 3.2.

1. Look at Figure 1. Turn the dial on **SPGL** counterclockwise to the lowest value.

2. Attach one side of the manometer to **GGL** (the higher pressure). Leave the other side open to the atmosphere.
3. Start with the **external gas shut-off valve** open. Slowly close this valve until the manometer displays the value specified in Section 1.
4. Look at the gas pressure low light ( ) on the status light panel. Slowly turn the dial on **SPGL** clockwise (higher). Stop when **SPGL** trips and the burner extinguishes.
5. Open **external gas shut-off valve** fully.

   Fireye machines— The status light illuminates briefly, then blinks. The burner should ignite as soon as pressure is restored. Press and to extinguish the status light.

   Landis + Gyr machines—The status light should illuminate momentarily, but this may be too quick to see. The flame control automatically resets and attempts to ignite the burner.

4.10. Step 9: Minimum burner box air pressure

Fireye machines—Select SETUP MODE E (see Section 3.1). This sets the modulating gas valve to 000 and displays the inlet temperature.

Landis + Gyr machines—Set the modulating gas valve to position 000 (MVP=000). see Section 3.2.

1. Look at Figure 2. Attach one side of the manometer to **GAB** (the lower pressure) and leave the other side open to the atmosphere.
2. Remove the cover from **SPBB**. Carefully turn the center adjustment screw (white potentiometer that the arrow points to) counterclockwise until the top of the screw is level with the collar. **Do not allow the adjustment screw to come out of the switch. The screw is spring loaded.**
3. Adjust **VB** until the manometer shows the value specified in Section 1.
4. Look at the burner box pressure light ( ) on the status light panel. Slowly turn the adjustment screw on **SPBB** clockwise until the status light illuminates and the burner extinguishes.
5. Close **VB** fully.

4.11. Step 10: Maximum back (air) pressure

—The dial on **SPHD** (see Figure 2) is set at the factory to the value specified in Section 1. If the maximum back pressure is exceeded, this switch trips. This causes the message "Back pressure high" or "Clean the lint screen" to appear on the controller display to indicate that a lint screen may be blocked. It does not stop dryer operation. It may be necessary to adjust this switch slightly once the machine is connected to the laundry ductwork. Air pressure in the plenum for this dryer may be affected by the ductwork configuration and by adjacent dryers.

It is difficult to adjust **SPHD** with a manometer. Initially, this switch was set with the dial alone (the marks on the dial show the specified value). If the message appears too frequently, turn the dial to a higher value. If the message does not appear when it should (when a lint screen is blocked) turn the dial to a lower value.

— End of BIPDJM02 —

BIPDUM01 (Published) Book specs- Dates: 20071029 / 20071029 / 20071029 Lang: ENG01 Applic: PDU

Fire Safety System Operation and Maintenance

Notice 1: If your sprinkler just actuated (water is pouring from rear of dryer)—go to Section 5 "What to Do If the Sprinkler Actuates".

This document replaces documents MSTS0105AE "Dryer Temperature Safety Limits" and MSSM0126AE "About the Automatic Water Sprinkler" for dryer models 50040xxx, 58040xxx, 6458xxxx and 7272xxxx.

The fire safety system includes the controls that handle various fire safety functions and the internal sprinkler that can suppress a fire in the basket. The controls automatically invoke actions intended to prevent or suppress fires. The sprinkler will actuate automatically as explained in Section 1 "Controller Fire Safety Functions". It can also be actuated manually, either by pulling the actuation handle on the sprinkler valve assembly or by actuating it from the control panel, as explained in Section 4 "How to Test the Sprinkler (monthly or every 200 hours)". Once actuated, the sprinkler will spray water onto the dryer basket and the water will enter the basket through the perforations. The sprinkler assembly must be routinely tested and properly maintained to ensure that it functions effectively, in case it is ever needed to suppress a basket fire.

1. Controller Fire Safety Functions

Fire safety functions and components for 6458xxxx and 7272xxxx dryer models are described in this section. Those for 50040xxx and 58040xxx dryer models vary somewhat, but use the same general concept of operation.

Table 1: Fire Safety Functions for 6458xxxx and 7272xxxx Dryer Models

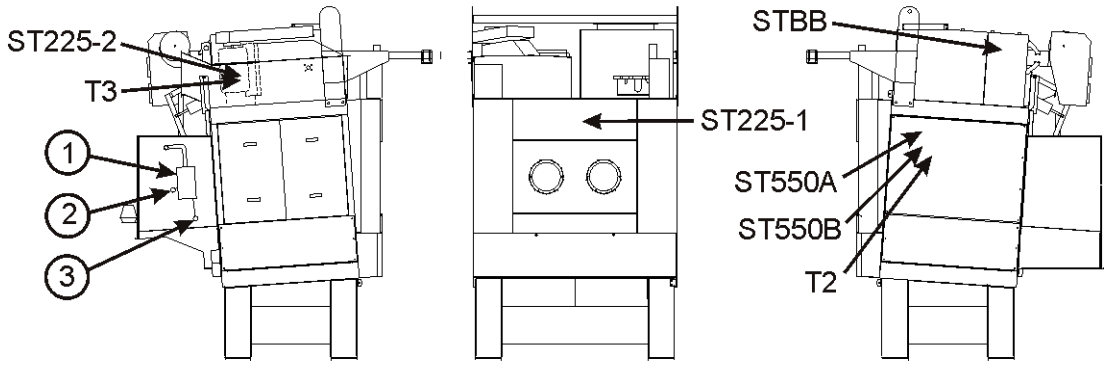
Sensor type	**Temperature switch (closes at preset temperature)**			**Thermocouple (provides continuous temperature data to controller)**		
Sensor name	ST225-1 & 2	ST550A & B	STBB	T3		
Location	Basket/outlet duct (Figures 1, 3, 4)	Inlet duct (Figures 1, 2)	At burner (Figures 1 and 5)	Outlet duct (Figure 3)		
Safety limit (temperature or condition that triggers action)	225° F (107° C)	550° F (288° C)	175° F (79° C)	**–Three safety limits in software–**		
				5° F rise for 15 seconds or 15° F rise for 5 seconds during min fire*	Exceeds 220° F (104° C) for 5 seconds**	240°F (116°C)
Consequence exceeding safety limit	Sprinkler actuates and all dryer functions stop.	Flame shuts off. If flame will not re-light, the error stated below occurs.		Each step prior to cooldown is successively canceled while the condition persists.		Sprinkler actuates and all dryer functions stop.
Indication safety limit was exceeded	THREE WIRE DISABLED error and operator alarm	Initially none. If flame will not re-light, the CHECK ERROR LIGHTS error and operator alarm occur.		"MINF" appears on operational display and data is saved to dry cycle details	">220" appears on operational display and data is saved to dry cycle details	OUTLET TEMP EXCEEDED 240 Df - POWER DOWN error and operator alarm
Corrective action	See Section 5 "What to Do If the Sprinkler Actuates"	Normally self-correcting. If above error occurs, refer to "Error Messages" elsewhere.		See Section 2 "About the "Min Fire" and "Outlet Temperature Exceeded 220°" Faults"		See Section 5 "What to Do If the Sprinkler Actuates"

*** Not applicable to steam dryers**

**** Not applicable to non-modulating steam dryers.**

Figure 1: Fire Safety System Component Locations

Dryer Left-, Front-, and Right-side Views (model 6458TG1L shown)



Legend

ST225-1. Basket temperature switch location (upstream of blower). Actuates at 225° F (107° C).
ST225-2. Outlet temperature switch location (downstream of blower). Actuates at 225°F(107°C).
ST550A. Inlet temperature switch location. Actuates at 550° F (288° C).
ST550B. Secondary inlet temperature switch location. Actuates at 550° F (288° C).
STBB. Burner housing temperature switch location. Actuates at 175° F (79° C).
T2. Inlet temperature thermocouple location. Not used in fire safety system.
T3. Outlet temperature thermocouple location. Provides temperature data to the controller.
1. Sprinkler valve assembly
2. Reset handle
3. Actuation handle

Figure 2: View of ST550A, ST550B and T2

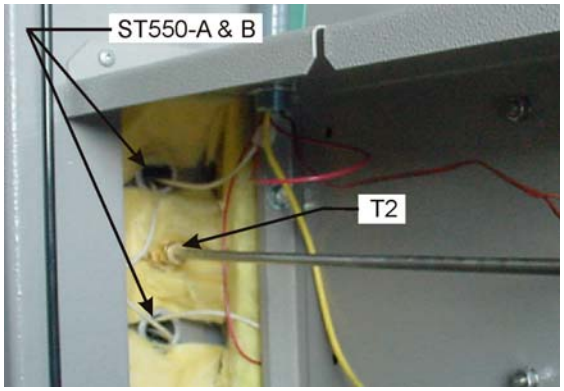


Figure 3: View of ST225-1

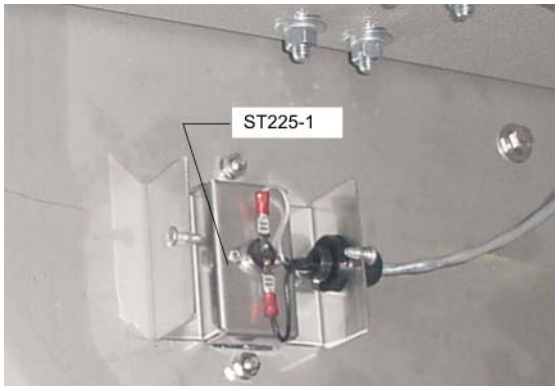


Figure 4: View of ST225-2 and T3

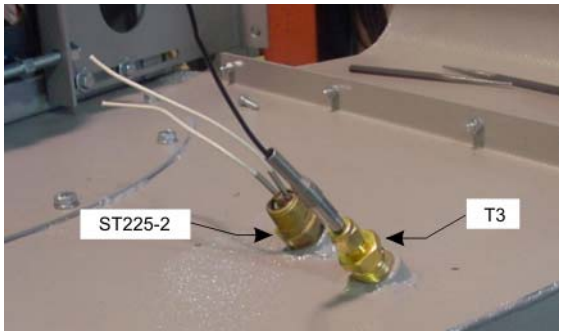
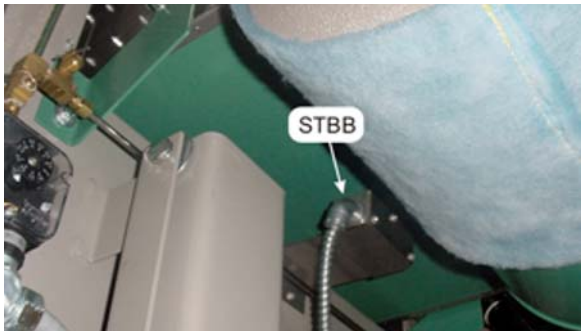


Figure 5: View of STBB



2. About the “Min Fire” and “Outlet Temperature Exceeded 220°” Faults

These faults, described below, are preemptive; neither results in an error that requires the operator to take immediate action. However, data about the fault is recorded in the dry cycle details memory (see "Drycode Reports" elsewhere). These faults interfere with the intended processing and often indicate that the goods are being overheated. Overheated goods discharged from the dryer may have a burned smell even though they did not catch fire. If you notice such a smell, review the dry cycle details for these loads. If the data indicates that the cycle ended with a min fire or outlet temperature exceeded 220° fault, investigate and correct the cause, as follows:

2.1. Min Fire (MINF)—This condition applies only to gas- and propane-fired dryers and refers to the valve position of the modulating gas valve when the controller commands it to go to position 000. When properly set, the gas valve remains open slightly at this commanded position. A min fire fault occurs when the controller detects that the outlet temperature continues to rise during min fire. This condition usually indicates that the goods overheated and are at risk of catching fire. As soon as the fault occurs, the controller immediately attempts to counteract it by advancing the drycode to the cooldown step. Some causes of min fire faults include:

plastering—If the basket speed called for by the drycode is too high, the goods can adhere to the basket (plaster), rather than tumble as they lose moisture and become lighter. Once this occurs, the goods will tend to overheat on the surface that is against the basket.

gas train malfunction—If, for example, a modulating gas valve is damaged such that it cannot throttle down completely, it may be unable to lower the flame to the min fire position.

min fire set too high—The min fire position is adjustable and must be set in accordance with the gas and air setting instructions in the service manual. This setting can also change as a result of damage to components.

2.2. Outlet Temperature Exceeded 220° (>220)—This fault applies to all except dryers with non-modulating steam valves. 220° F (104° C) is 5°F (3° C) below the set point of the outlet temperature switches (Fenwals) that actuate the sprinkler. It is intended to preempt sprinkler actuation, if possible, by successively canceling each remaining heating step in the drycode if outlet temperature remains above 220° F (104° C) for at least five seconds at the start of the step. As with a min fire fault, this condition may be the result of plastering or a gas train malfunction. If the goods are not yet on fire, this function can avoid an unnecessary sprinkler actuation. But if a fire has already started, the temperature switches should quickly actuate the sprinkler.

3. Resolving No-fire Sprinkler Actuations

If a dryer experiences sprinkler actuations when there is no fire, this typically indicates one of two problems:

- **A temperature switch is damaged.** This is the most likely cause. Typically, the ST225-2 temperature switch is at fault. The switch probe can bend if a piece of goods gets past the basket seals, through the blower, and into the outlet duct where it hits the probe. Replace a damaged switch and refer to “Felt Seal Inspection and Maintenance” in the service manual for information on avoiding this type of damage.
- **Drying temperatures are not within the normal range.** The causes described in Section 2.1, above, if severe enough, can result in sprinkler actuation.

Resolve no-fire sprinkler actuations by correcting the cause. **Never disable the sprinkler.** If a fire should occur, the sprinkler is your first line of defense, and your best defense against a potentially uncontrollable situation.

4. How to Test the Sprinkler (monthly or every 200 hours)

Disable loading

Set the *Load Allowed/Not Allowed* (/) switch to *Not Allowed* () to disable automatic loading.

A1: Permit dryer to empty

Allow dryer to complete any drycode in progress and discharge load.

A2: Shut off sprinkler water

Close the manual water valve to prevent flooding. This hand-operated valve is located on the sprinkler assembly which is normally mounted to the side of the dryer discharge shroud.

A3: Perform the *Sprinkler Test* (tests *automatic* operation)

If the dryer has a dedicated controller, see “Manual Mode Menu Functions” in the reference manual. Otherwise, at the Dryer/Shuttle controller:

1. Select *Admin Logon* and log in.
2. Click once on the device display for the dryer you want to test.
3. Click *Manual* mode.
4. Go to “Sprinkler functions” on right side of screen and click *Sprinkler [Off]* to release the sprinkler valve.

A4: Inspect automatic sprinkler valve

CAUTION 2: Risk of sprinkler failure—Sprinkler water flow may not suppress fire if sprinkler assembly components have dirt, lint, or corrosion buildup.

- **Clean or repair mechanism as needed to ensure that all parts move freely.**

A5: Briefly test sprinkler water flow

Open the manual water valve on the sprinkler assembly briefly and make sure water flows out the rear of the dryer. Close the valve for the next part of the test.

A6: Reset the sprinkler

Pull the sprinkler reset handle down fully, so that it latches.

A7: Start a drycode manually (tests *manual* operation)

The manual water valve must be closed to prevent flooding during this test.

A8: Trip the sprinkler manually

When the dryer begins heating, pull down the sprinkler actuation handle (see Figure 1).

A9: Verify shutdown

1. The sprinkler automatic valve releases (the reset handle pops up).
2. The three wire circuit opens (THREE WIRE DISABLED).
3. The operator alarm sounds.
4. All dryer functions cease.

A10: Terminate the drycode

A11: Reset the sprinkler

Pull the sprinkler reset handle down fully, so that it latches.

A12: Open the manual valve

CAUTION 3: Risk of sprinkler failure—The sprinkler manual water valve must be open for the sprinkler to function.

Return the dryer to service

5. What to Do If the Sprinkler Actuates

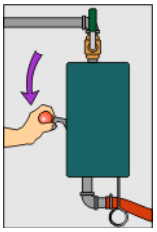
Sprinkler actuated

The sprinkler can actuate as a result of a fire in the basket or for other reasons. Temperature switches (Fenwals) in the outlet duct actuate the sprinkler at a temperature of 225° F (107° C). If, for any reason, this system fails, the dryer software turns on the sprinkler at an outlet temperature of 240° F (116° C).

A1: Assess the situation

If there is a fire, the sprinkler should remain on until the fire is extinguished. Closer inspection, such as looking through the door glass, may be needed to determine if the basket contents are on fire. Proceed cautiously.

A2: Reset the sprinkler as soon as its safe



This is important, both to minimize water damage and to restore the manual controls, which may be needed for further assessment and cleanup. Turn off the sprinkler as follows:

1. Turn the Master switch off ( ), then back on( ). If the sprinkler was triggered by software, this is the only way to de-actuate the "Desires Sprinkler" output relay.
2. Pull the sprinkler reset handle down fully, as shown at left, so that it latches.

A3: Did a fire occur?

NO → **Return the dryer to service**

YES ↓

A4: Test basket rotation

1. Set the *Load Allowed/Not Allowed* switch to *Not Allowed* ( ) to disable automatic loading.
2. Press *Start* ( ). The operator signal ceases and "WAITING FOR LOAD. LOADING NOT ALLOWED" appears on the display.
3. Set the *Automatic/Manual Rotation* switch to *Manual Rotation* ( ).
4. Hold the Jog Direction switch (/) in either direction **no longer than necessary to verify the basket rotates.**

A5: Did the basket rotate?

NO → **STOP and repair by a qualified technician**

YES ↓

A6: Carefully remove goods

WARNING 4: Fire Hazard—Overheated goods can catch fire spontaneously in the machine or after discharge.

- **Stand clear and be prepared with suitable fire equipment.**

Use the manual controls, as above, to discharge the goods.

A7: Lockout/tagout power and inspect for damage

Lockout/tagout power and inspect the entire machine for damage, especially the T-seal, support rollers, main blower, and electric cables on top of the machine. Also check for wet or damp electrical components.

A8: Restore power and test dryer functions

Use manual mode to operate all controls (modulating gas valve, lint stripper, etc.). See "Viewing Inputs and Outputs During Operation" in the reference manual for more information.

A9: Damage?

YES → **STOP and repair by a qualified technician**

NO ↓

RETURN the dryer to service

Remember to return all manual controls to the automatic operation position ( ).

— End of BIPDUM01 —

BIPD6M03 (Published) Book specs- Dates: 20100326 / 20100326 / 20100326 Lang: ENG01 Applic: PD6 PDJ PDP

Felt Seal Inspection and Maintenance

Milnor® 5040xxxx, 6458xxxx, and 7272xxxx dryers in current production use two felt seals and a Nomex® flap seal where the rotating basket front ring meets the stationary shell front. These seals help to retain heat and prevent goods from squeezing between the basket and the shell front.

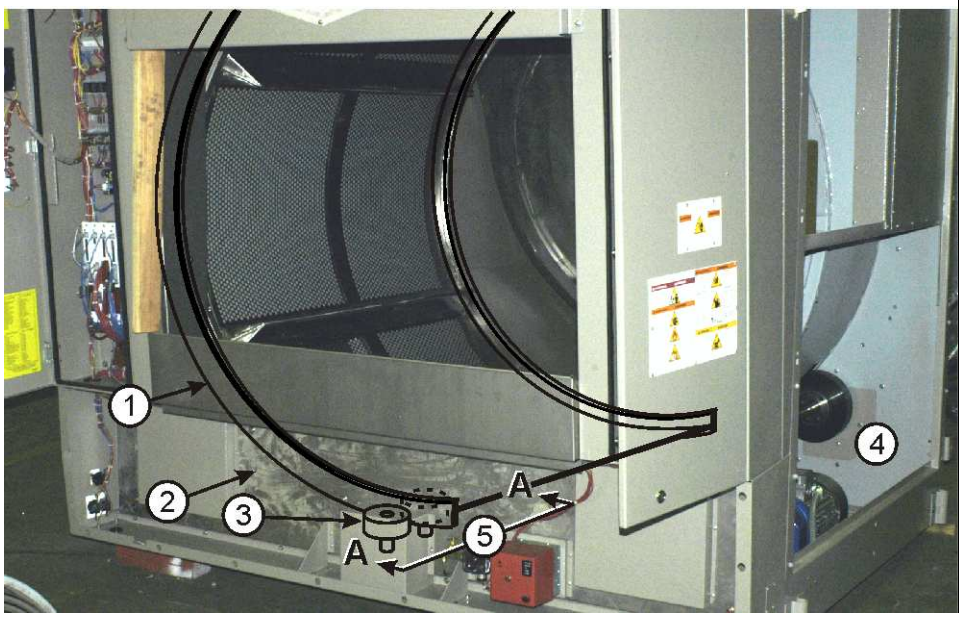
WARNING 1: Explosion hazard—If the basket seals deteriorate or spread apart, goods can become caught between the basket and shell front or get sucked into the blower wheel causing blower to fail and expel metal fragments at high speed. Bystanders can be struck.

- Ensure seals are functioning properly through regular inspection and maintenance.
- Do not indiscriminently change the basket tracking adjustment.

Various drawings showing the seals and how to work with them are provided. These drawings are longitudinal sections through the bottom of the basket, at the location indicated in Figure 1.

Figure 1: Dryer Components Pertinent To This Work

Dryer—Access Panels Removed, Load/discharge Doors Blocked Open



Legend

1. Basket front ring
2. Shell front
3. Guide rollers (control basket front-to-rear position)
4. Basket drive components
5. Where section views in this document occur.

1. Inspecting the Seals and Selecting Replacement Seals

WARNING 2: Burn and Crush hazards—Hot goods and machine surfaces within a recently operated dryer can cause serious burns on contact. The turning basket or shifting goods can crush body parts. The machine can start unexpectedly if not externally disconnected from power. The weight of goods or a person can cause the basket to turn.

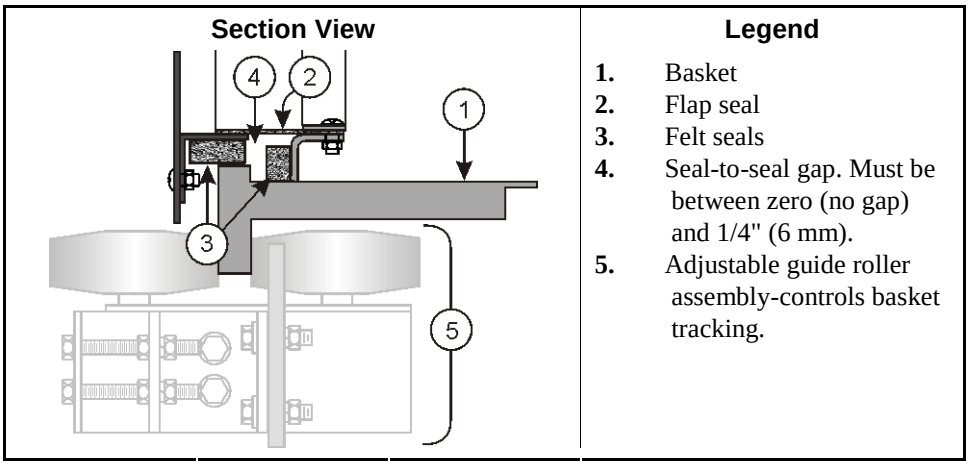
- Do not service machine unless qualified and authorized.
- Unload goods, lockout/tagout power at the external disconnect switch, block the doors open, mechanically restrain the drive chain to prevent basket rotation, ventilate and illuminate the dryer interior before entering the basket.
- Lockout/tagout power at the external disconnect before accessing guide rollers.
- Never place fingers in the basket-to-shell front gap. Use only tools.

1. With the dryer empty of goods, prepare for safe entry as follows:

a. Use Manual mode to open both doors then use wood blocking to block the doors open.
b. Lockout/tagout power at the external disconnect switch.
c. Mechanically restrain the drive chain (as with wood blocking and c-clamps).
d. Ventilate and illuminate the basket interior as needed.

2. Once all appropriate precautions are observed (see warning statement **2**), enter the basket.
3. Referring to Figure 2, lift the flap seal and inspect the felt seals.
   - If the seals are deteriorated, replace them as explained in Section 2 "Seal Replacement".
   - If the the seals are in good condition, but the seal-to-seal gap exceeds 1/4" (25 mm), add felt, as explained in Section 3 "How To Close a Front Seal Gap".
   - Otherwise, return the dryer to service.

Figure 2: Inspecting Seals



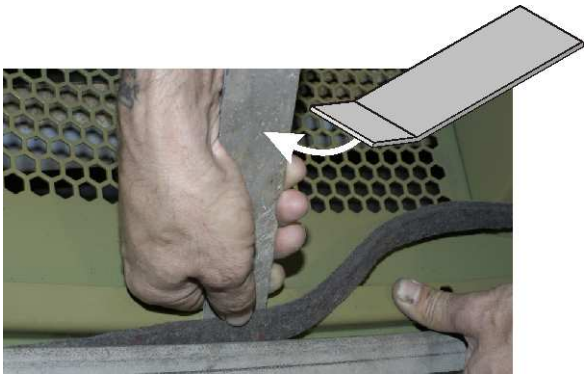
2. Seal Replacement

Refer to your "Cylinder Installation" parts document for seal and related component part identification. If you order the silicone rubber flap seal used on older models, you will receive the newer Nomex® seal, which should be used instead. 3M Rubber and Gasket Adhesive #1300, used to glue the felt seals in place is available from Milnor in one pint cans (Milnor P/N 20C044).

1. If replacing the front-most seal, fabricate the tools shown in Figure 3 and Figure 4.

Figure 3: Adhesive applicator—1" paint brush, bristles held at an angle with tape

Figure 4: Seal installation tool—2" x 8" (5 x 20 cm) x 12 gauge steel plate, bent up on one end



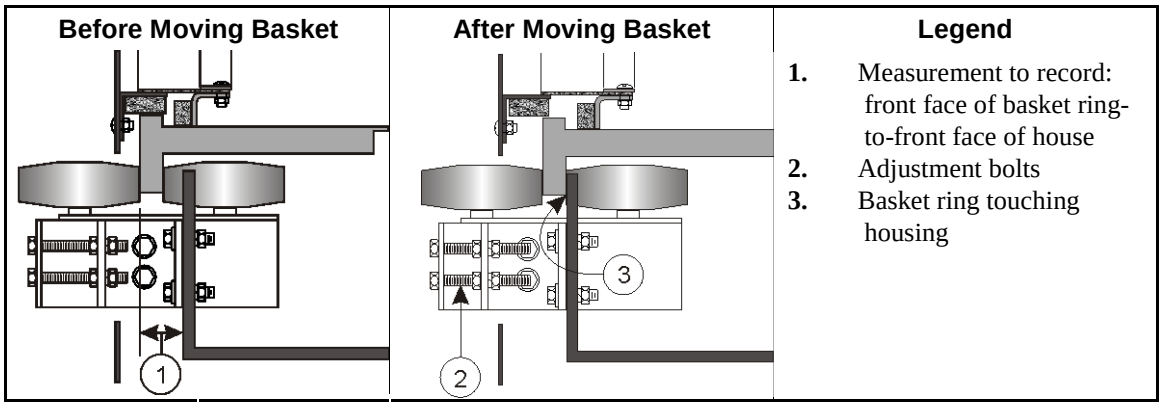
2. To provide more working room, widen the gap between the basket and shell front as follows:

a. Remove covers as needed to gain access to the guide roller assembly (see Figure 1).

b. Measure and record the face of house-to-face of basket dimension (Figure 5, item 1). **When returning the dryer to operable condition, restore this dimension.**

c. Use the guide roller adjustment bolts (Figure 5, item 2) to move the basket rearward until it is **lightly** touching the house (see Figure 5, item 3).

Figure 5: Recording and Adjusting Basket Position (Section Views)



3. Prepare the dryer for safe entry, including lockout/tagout.
4. Once all appropriate precautions are observed, enter the basket.
5. Unbolt and remove the flap seal holder and the flap seal (see Figure 2).
6. Using blades that you can work into the recesses, scrape out one, or both felt seals, as needed. Clean out any remaining felt seal material and adhesive with solvent.
7. Cut length(s) of felt material long enough to fit around the circumference of the basket.
8. Apply 3M Rubber & Gasket Adhesive 1300 or similar to one side of felt and let dry.
9. Apply a coat of adhesive to a small section of mating surface on the machine. For the front-most seal, use the previously prepared brush as shown in Figure 3 and Figure 6.
10. Hold the seal in contact with the adhesive for about 30 seconds. For the front-most seal, use the installation tool as shown in Figure 4 and Figure 7.

Figure 6: Section View: Applying Adhesive

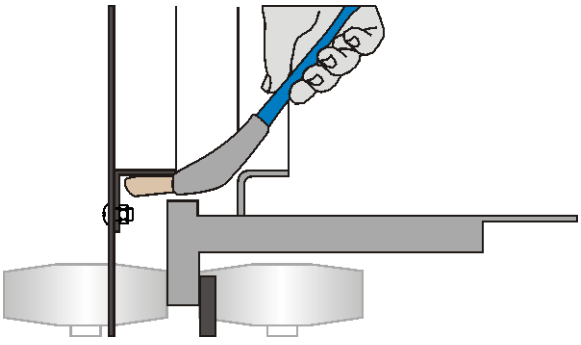
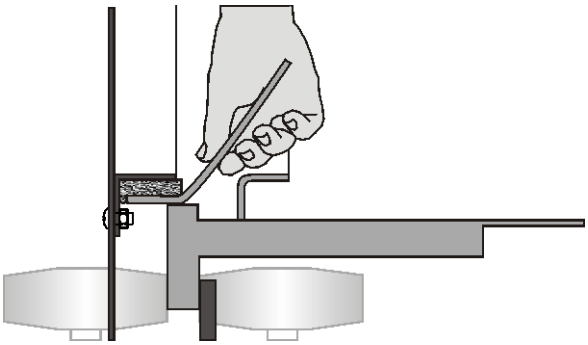


Figure 7: Section View: Setting Felt Seal



11. Continue this process in small sections, until the seal is completely installed. Cut off excess material and butt the felt seal ends together.
12. When seal installation is complete, return the dryer to operable condition by reversing the actions taken in steps 5, 3, and 2. **Before re-installing the flap seal, make sure there are no sharp edges (glue or sharp metal) that could cut the flap seal as it rides against the ring. Use a sander to smooth these down as needed.**

3. How To Close a Front Seal Gap [Document BIPD6M04]

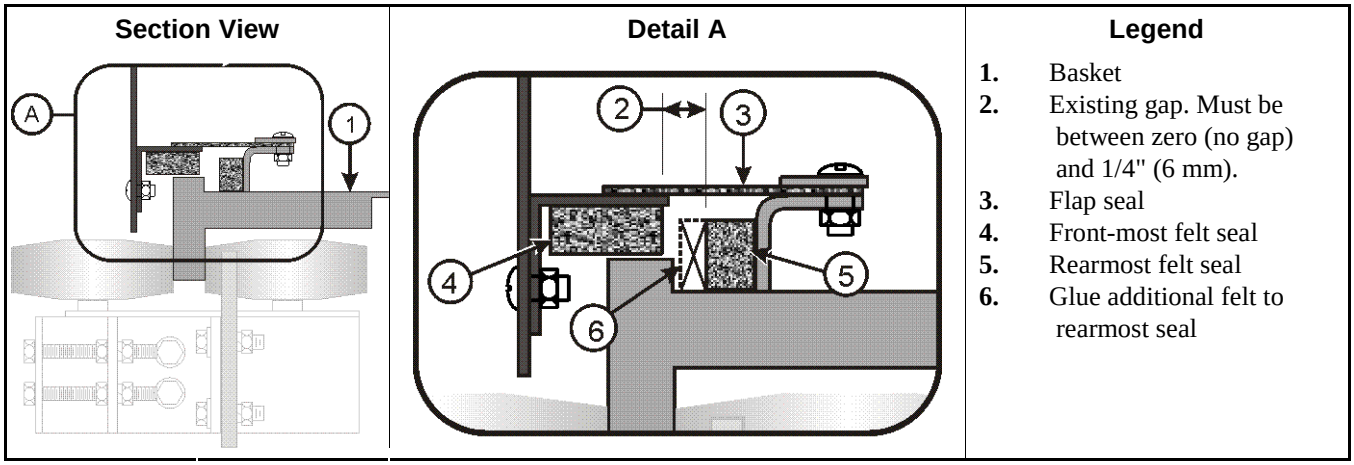
This instruction applies to Milnor dryer models 5040xxxx, 6458xxxx and 7272xxxx.

The gap between the two felt seals at the front of the basket must not exceed 1/4" (6 mm). These seals help to retain heat and prevent goods from squeezing between the basket and shell front. If this gap widens (due to wear or a change in basket position), it can be closed by gluing additional felt to the rearmost felt seal, as shown in Figure 8. It is not necessary to replace the existing seals unless they are deteriorated (see document BIPD6M03 “Felt Seal Inspection and Maintenance”).

Table 1: Materials Available from Milnor for Closing Seal Gap

P/N	Description -- sizes in inch" and (mm)	Purpose
20C044	3M Rubber and Gasket Adhesive #1300 - pint	Glue seals
27A688	Felt, 1/8" (3) thick x 3/4" (19) *	Add to rearmost seal, if needed
27A689	Felt, 1/4" (6) thick x 3/4" (19) *	Add to rearmost seal, if needed
27A687	Felt, 1/2" (13) s 1 1/2" (38) *	Longer front-most seal, if needed
* Sold by the foot. Felt must fit around basket circumference. 50040 models = 14' (427 cm); 6458 models = 18' (549 cm); 7272 models = 20' (610 cm).		

Figure 8: Adding Felt to Existing Seal



1. Prepare the dryer for safe entry including lockout/tagout.
2. Once all appropriate precautions are observed, enter the basket.
3. Lift the flap seal and measure the felt seal gap. If the gap is greater than 1/4" (6 mm), add thickness (see Table 1) to the rearmost felt seal as follows:
   a. Cut length to fit around the circumference of the basket.
   b. Apply adhesive (see Table 1) to one side and edge of felt and let dry.
   c. Apply adhesive to a small section of the mating surfaces on the dryer.
   d. Press the new material against the existing seal and basket. Hold for about 30 seconds.
   e. Continue in small sections until the seal material is completely installed. Cut off excess material and butt the ends together.

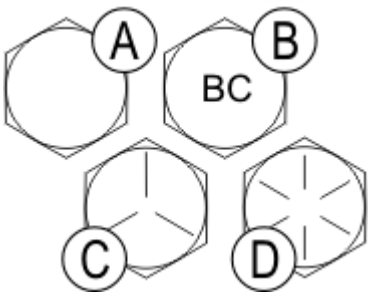
— End of BIPD6M03 —

BIUUUM04 (Published) Book specs- Dates: 20080506 / 20080506 / 20080506 Lang: ENG01 Applic: UUU

Fastener Torque Requirements

Torque requirements for other fasteners are specified in the specific document which describes the assembly. **If fastener torque specifications or threadlocking compound requirements in an assembly document vary from the specifications in this document, use the assembly document.**

Figure 1: Common Bolts Used in Milnor Equipment

Bolt Head Identifying Marks	Legend
	**A.** SAE Grades 1 and 2, ASTM A307, and stainless steel **B.** ASTM A354 Grade BC **C.** SAE Grade 5, ASTM A449 **D.** SAE Grade 8 and ASTM A354 BD

1. Torque Values

The tables below list the standard size, grade, threadlocking compound, and torque requirements for fasteners commonly used on Milnor® equipment.

Note 1: Data derived from Pellerin Milnor® Corporation "Bolt Torque Specification" (bolt_torque_milnor.xls/2002096).

1.1. Carbon Steel Fasteners

1.1.1. Without Threadlocking Compound

Table 1: Torque Values for Dry Fasteners 5/16-inch and Smaller

	Bolt Grade							
	Grade 2		Grade 5		Grade 8		Grade BC	
Bolt Size	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m
1/4 x 20	66	7	101	11	143	16	126	14
1/4 x 28	76	9	116	13	163	18	--	--
5/16 x 18	136	15	209	24	295	33	258	29
5/16 x 24	150	17	232	26	325	37	--	--

Table 2: Torque Values for Dry Fasteners Larger Than 5/16-inch

	Bolt Grade							
	Grade 2		Grade 5		Grade 8		Grade BC	
Bolt Size	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
3/8 x 16	20	27	31	42	44	59	38	52
3/8 x 24	23	31	35	47	50	68	--	--
7/16 x 14	32	43	49	66	70	95	61	83
7/16 x 20	36	49	55	75	78	105	--	--
1/2 x 13	49	66	75	102	107	145	93	126
1/2 x 20	55	75	85	115	120	163	--	--
9/16 x 12	70	95	109	148	154	209	134	182
9/16 x 18	78	106	121	164	171	232	--	--
5/8 x 11	97	131	150	203	212	287	186	252
5/8 x 18	110	149	170	231	240	325	--	--
3/4 x 10	172	233	266	361	376	510	329	446
3/14 x 16	192	261	297	403	420	569	--	--
7/8 x 9	167	226	429	582	606	821	531	719
7/8 x 14	184	249	473	641	668	906	--	--
1 x 8	250	339	644	873	909	1232	796	1079
1 x 12	274	371	704	954	994	1348	--	--
1 x 14	281	381	723	980	1020	1383	--	--
1 1/8 x 7	354	480	794	1077	1287	1745	1126	1527
1 1/8 x 12	397	538	891	1208	1444	1958	--	--
1 1/4 x 7	500	678	1120	1519	1817	2464	1590	2155
1 1/4 x 12	553	750	1241	1682	2012	2728	--	--
1 3/8 x 6	655	888	1469	1992	2382	3230	2085	2827
1 3/8 x 12	746	1011	1672	2267	2712	3677	--	--
1 1/2 x 6	869	1178	1949	2642	3161	4286	2767	3751
1 1/2 x 12	979	1327	2194	2974	3557	4822	--	--

Table 3: Torque Values for Plated Fasteners 5/16-inch and Smaller

	Bolt Grade							
	Grade 2		Grade 5		Grade 8		Grade BC	
Bolt Size	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m
1/4 x 20	49	6	76	9	107	12	95	11
1/4 x 28	56	6	88	10	122	14	--	--
5/16 x 18	102	12	156	18	222	25	193	22
5/16 x 24	113	13	174	20	245	28	--	--

Table 4: Torque Values for Plated Fasteners Larger Than 5/16-inch

	Bolt Grade							
	Grade 2		Grade 5		Grade 8		Grade BC	
Bolt Size	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
3/8 x 16	15	20	23	31	33	44	29	38
3/8 x 24	17	23	26	35	37	49	--	--
7/16 x 14	24	32	37	50	52	71	46	61
7/16 x 20	27	36	41	55	58	78	--	--
1/2 x 13	37	49	56	76	80	106	70	93
1/2 x 20	41	55	64	85	90	120	--	--
9/16 x 12	53	70	81	110	115	153	101	134
9/16 x 18	59	79	91	122	128	174	--	--
5/8 x 11	73	97	113	150	159	212	139	186
5/8 x 18	83	110	127	172	180	240	--	--
3/4 x 10	129	173	200	266	282	376	246	329
3/14 x 16	144	192	223	297	315	420	--	--
7/8 x 9	125	166	322	430	455	606	398	531
7/8 x 14	138	184	355	474	501	668	--	--
1 x 8	188	250	483	644	682	909	597	796
1 x 12	205	274	528	716	746	995	--	--
1 x 14	210	280	542	735	765	1037	--	--
1 1/8 x 7	266	354	595	807	966	1288	845	1126
1 1/8 x 12	298	404	668	890	1083	1444	--	--
1 1/4 x 7	375	500	840	1120	1363	1817	1192	1590
1 1/4 x 12	415	553	930	1261	1509	2013	--	--
1 3/8 x 6	491	655	1102	1470	1787	2382	1564	2085
1 3/8 x 12	559	758	1254	1672	2034	2712	--	--
1 1/2 x 6	652	870	1462	1982	2371	3161	2075	2767
1 1/2 x 12	733	994	1645	2194	2668	3557	--	--

1.1.2. With Threadlocking Compound

Table 5: Threadlocking Compound Selection by Bolt Size

	Bolt Size			
LocTite Product	1/4"	1/4" – 5/8"	5/8" – 7/8"	1" +
LocTite 222	OK			
LocTite 242		OK		
LocTite 262			OK	
LocTite 272			High temperature	
LocTite 277				OK

Table 6: Torque Values for Applications of LocTite 222

	Bolt Grade							
	Grade 2		Grade 5		Grade 8		Grade BC	
Bolt Size	Pound-inches	N-m	Pound-inches	N-m	Pound-inches	N-m	Pound-inches	N-m
1/4 x 20	60	7	96	11	132	15	108	12
1/4 x 28	72	8	108	12	144	16	--	--

Table 7: Torque Values for Applications of LocTite 242

	Bolt Grade							
	Grade 2		Grade 5		Grade 8		Grade BC	
Bolt Size	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
5/16 x 18	11	15	17	23	25	34	22	30
5/16 x 24	13	18	19	26	27	37	27	37
3/8 x 16	20	27	31	42	44	60	38	52
3/8 x 24	23	31	35	47	50	68	--	--
7/16 x 14	32	43	49	66	70	95	61	83
7/16 x 20	36	49	55	75	78	106	--	--
1/2 x 13	49	66	75	102	107	145	93	126
1/2 x 20	55	75	85	115	120	163	--	--
9/16 x 12	70	95	109	148	154	209	134	182
9/16 x 18	78	106	121	164	171	232	--	--
5/8 x 11	97	132	150	203	212	287	186	252
5/8 x 18	110	149	170	230	240	325	--	--

Table 8: Torque Values for Applications of LocTite 262

	Bolt Grade							
	Grade 2		Grade 5		Grade 8		Grade BC	
Bolt Size	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
3/4 x 10	155	210	240	325	338	458	296	401
3/4 x 16	173	235	267	362	378	512	--	--
7/8 x 9	150	203	386	523	546	740	477	647
7/8 x 14	165	224	426	578	601	815	--	--

Table 9: Torque Values for Applications of LocTite 272 (High Temperature)

	Bolt Grade							
	Grade 2		Grade 5		Grade 8		Grade BC	
Bolt Size	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
1 x 8	350	475	901	1222	1272	1725	1114	1510
1 x 12	383	519	986	1337	1392	1887	--	--
1 x 14	393	533	1012	1372	1428	1936	--	--
1-1/8 x 7	496	672	1111	1506	1802	2443	1577	2138
1-1/8 x 12	556	754	1247	1691	2022	2741	--	--
1-1/4 x 7	700	949	1568	2126	2544	3449	2226	3018
1-1/4 x 12	774	1049	1737	2355	2816	3818	--	--
1-3/8 x 6	917	1243	2056	2788	3335	4522	2919	3958
1-3/8 x 12	1044	1415	2341	3174	3797	5148	--	--
1-1/2 x 6	1217	1650	2729	3700	4426	6001	3873	5251
1-1/2 x 12	1369	1856	3071	4164	4980	6752	--	--

Table 10: Torque Values for Applications of LocTite 277

	Bolt Grade							
	Grade 2		Grade 5		Grade 8		Grade BC	
Bolt Size	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
1 x 8	325	441	837	1135	1181	1601	1034	1402
1 x 12	356	483	916	1242	1293	1753	--	--
1 x 14	365	495	939	1273	1326	1798	--	--
1-1/8 x 7	461	625	1032	1399	1674	2270	1464	1985
1-1/8 x 12	516	700	1158	1570	1877	2545	--	--
1-1/4 x 7	650	881	1456	1974	2362	3202	2067	2802
1-1/4 x 12	719	975	1613	2187	2615	3545	--	--
1-3/8 x 6	851	1154	1909	2588	3097	4199	2710	3674
1-3/8 x 12	970	1315	2174	2948	3526	4781	--	--
1-1/2 x 6	1130	1532	2534	3436	4110	5572	3597	4877
1-1/2 x 12	1271	1723	2852	3867	4624	6269	--	--

1.2. Stainless Steel Fasteners

Table 11: Torque Values for Stainless Steel Fasteners 5/16-inch and Smaller

	316 Stainless		18-8 Stainless		18-8 Stainless with Loctite 767	
Nominal Bolt Size	Pound-Inches	N-m	Pound-Inches	N-m	Pound-Inches	N-m
1/4 x 20	79	9	76	9	45	5
1/4 x 28	100	11	94	11	56	6
5/16 x 18	138	16	132	15	79	9
5/16 x 24	148	17	142	16	85	10

Table 12: Torque Values for Stainless Steel Fasteners Larger Than 5/16-inch

Bolt Size	316 Stainless		18-8 Stainless		18-8 Stainless with Loctite 767	
	Pound-feet	N-m	Pound-feet	N-m	Pound-feet	N-m
3/8 x 16	21	28	20	27	12	16
3/8 x 24	23	31	22	29	13	18
7/16 x 14	33	44	31	42	19	25
7/16 x 20	35	47	33	45	20	27
1/2 x 13	45	61	43	58	26	35
1/2 x 20	47	64	45	61	27	37
9/16 x 12	59	81	57	77	34	46
9/16 x 18	66	89	63	85	38	51
5/8 x 11	97	131	93	125	56	75
5/8 x 18	108	150	104	141	62	84
3/4 x 10	132	179	128	173	77	104
3/4 x 16	130	176	124	168	75	101
7/8 x 9	203	275	194	263	116	158
7/8 x 14	202	273	193	262	116	157
1 x 8	300	406	287	389	172	233
1 x 14	271	367	259	351	156	211
1-1/8 x 7	432	586	413	560	248	336
1-1/8 x 12	408	553	390	529	234	317
1-1/4 x 7	546	740	523	709	314	425
1-1/4 x 12	504	683	480	651	288	390
1-1/2 x 6	930	1261	888	1204	533	722
1-1/2 x 12	732	992	703	953	422	572

2. Preparation

WARNING 1: Fire Hazard—Some solvents and primer products are flammable.

- Use in a well ventilated area.
- Do not use flammable products near ignition sources.

1. Clean all threads with a wire brush, a tap, or a die.
2. Degrease the fasteners and the mating threads with a cleaning solvent. Wipe the parts dry.

   Note 2: LocTite 7649 Primer N™ will remove grease from parts, but it costs more than a standard organic or petroleum solvent.

3. Prime the fasteners and the mating threads with LocTite 7649 Primer N™ or equal. Allow the primer to dry for at least one minute.

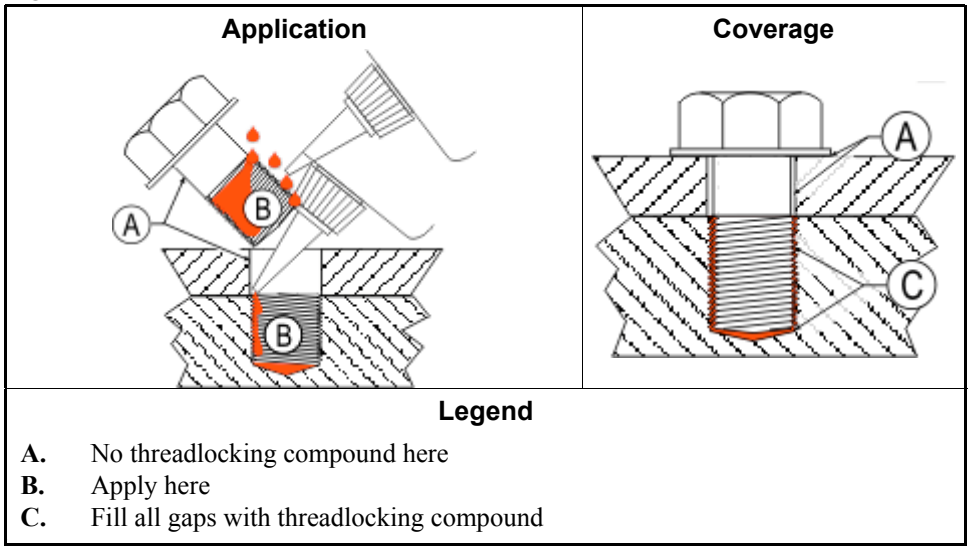
3. Application of Threadlocking Compound

CAUTION 2: Malfunction Hazard—Improper application of threadlocking compounds may result in fasteners becoming loose from impact, heat, or vibration. Loose fasteners can cause the equipment to malfunction.

- Read and follow the threadlocking compound manufacturer's instructions and warnings.

Apply threadlocking compound to the thread engagement areas of fasteners and mating threads only.

Figure 2: Blind Hole



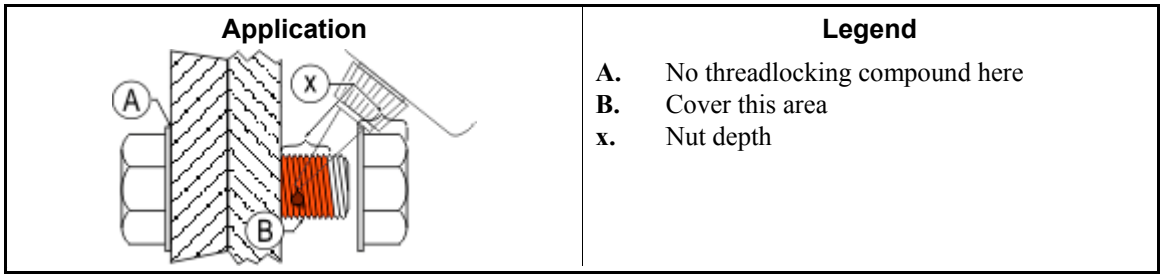
3.1. Blind Holes

1. Apply several drops of threadlocking compound down the female threads to the bottom of the hole.
2. Apply several drops of threadlocking compound to the bolt.
3. Tighten bolt to value shown in the appropriate table (Table 5 through Table 11).

3.2. Through Holes

1. Insert bolt through assembly.
2. Apply several drops of threadlocking compound to the bolt thread area that will engage the nut.
3. Tighten bolt to value shown in the appropriate table (Table 5 through Table 11).

Figure 3: Through Hole

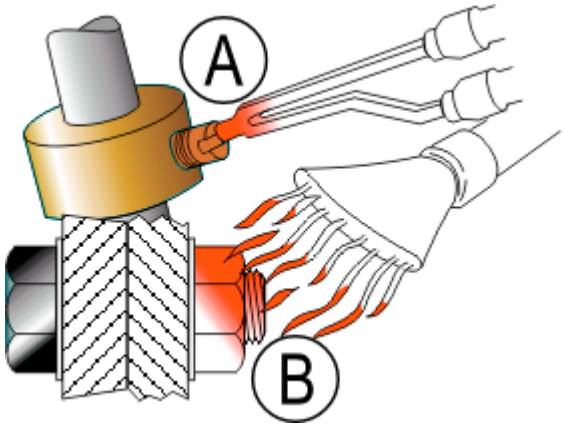


3.3. Disassembly—For low-strength and medium-strength products, disassemble with hand tools.

For high-strength products, apply localized heat for five minutes. Disassemble with hand tools while the parts are still hot.

Figure 4: Disassembly

Use Localized Heat



Legend

A. Soldering gun heating small fastener
B. Torch heating large fastener

— End of BIUUUM04 —

Drive Assemblies 4

Drive Chart

6458TG1R/L,TS1L/R 6464TG1R/L,TS1L/R

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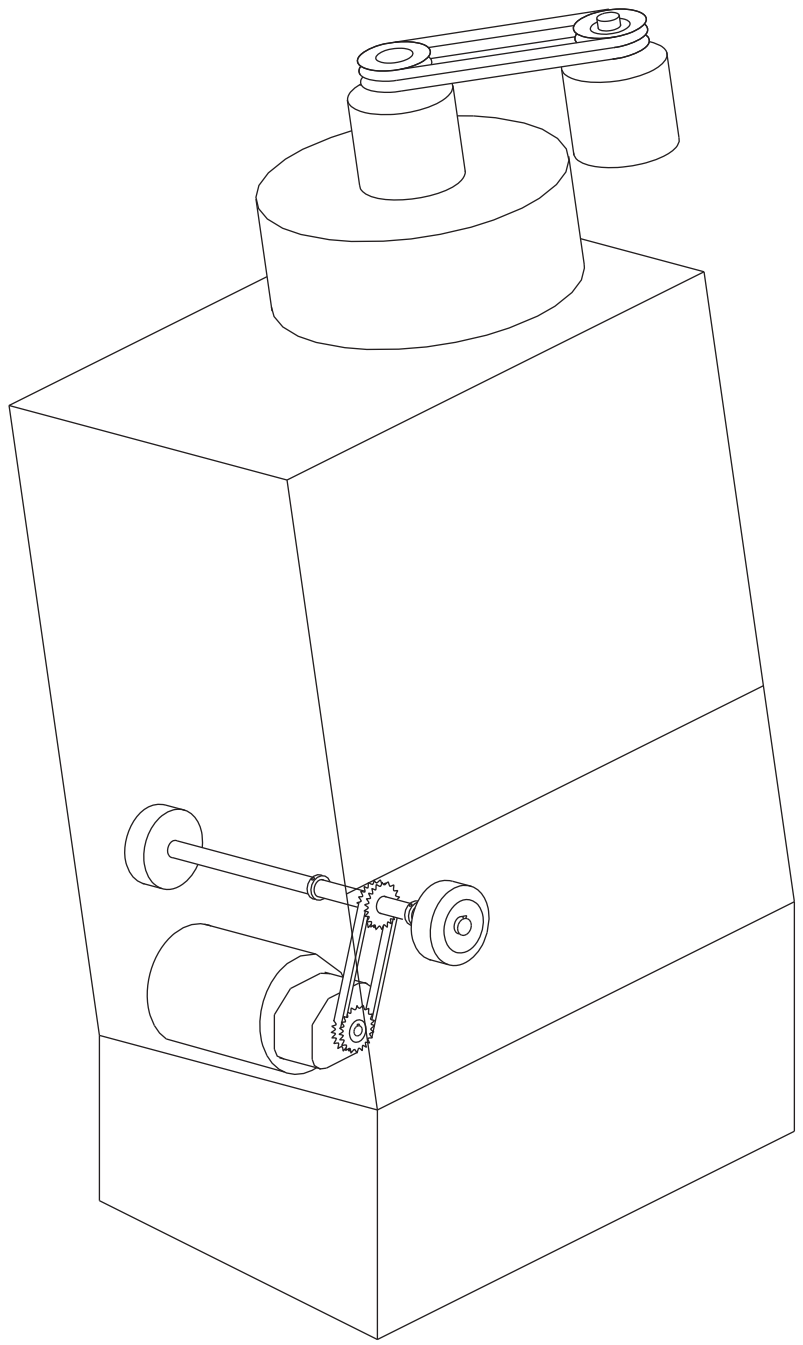
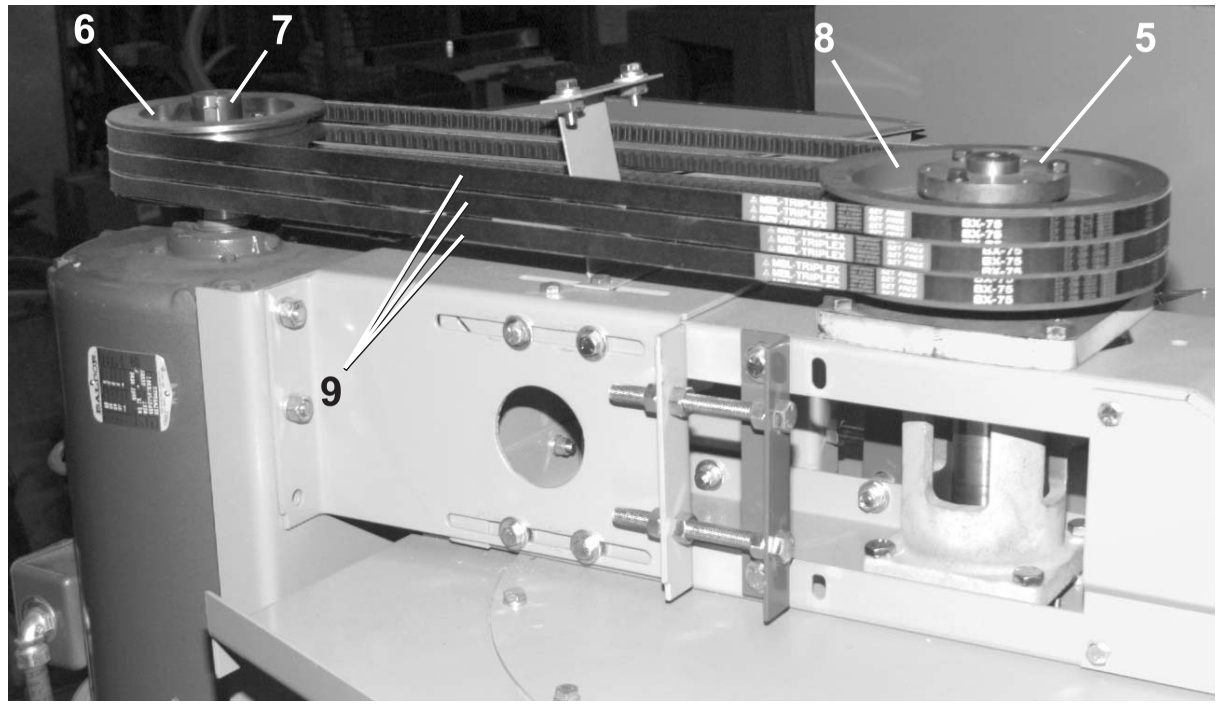
Litho in U.S.A.



100

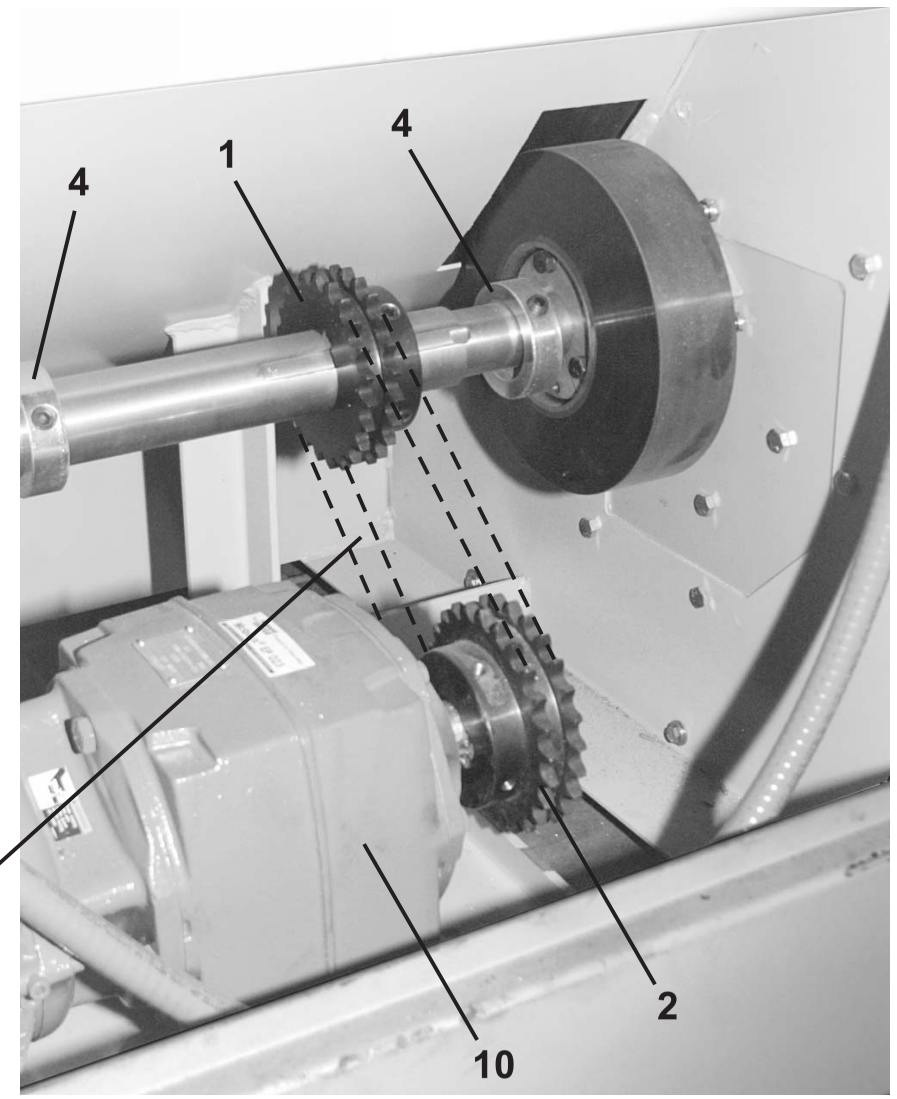


BLOWER DRIVE

NOTE:
Effective 1/10/08 the cylinder drive gear reducer and sprocket were changed on all 6458 Dryers as reflected on this drawing's parts list. The new gear reducer (item 10) is usable to repair all 6458 Dryers.

For Dryers produced before 1/10/08, the new 1-3/8" bore drive sprocket (item 2) must also be ordered.

CYLINDER DRIVE



CHAIN
(NOT SHOWN)

Drive Chart

6458TG1R/L,TS1L/R 6464TG1R/L,TS1L/R

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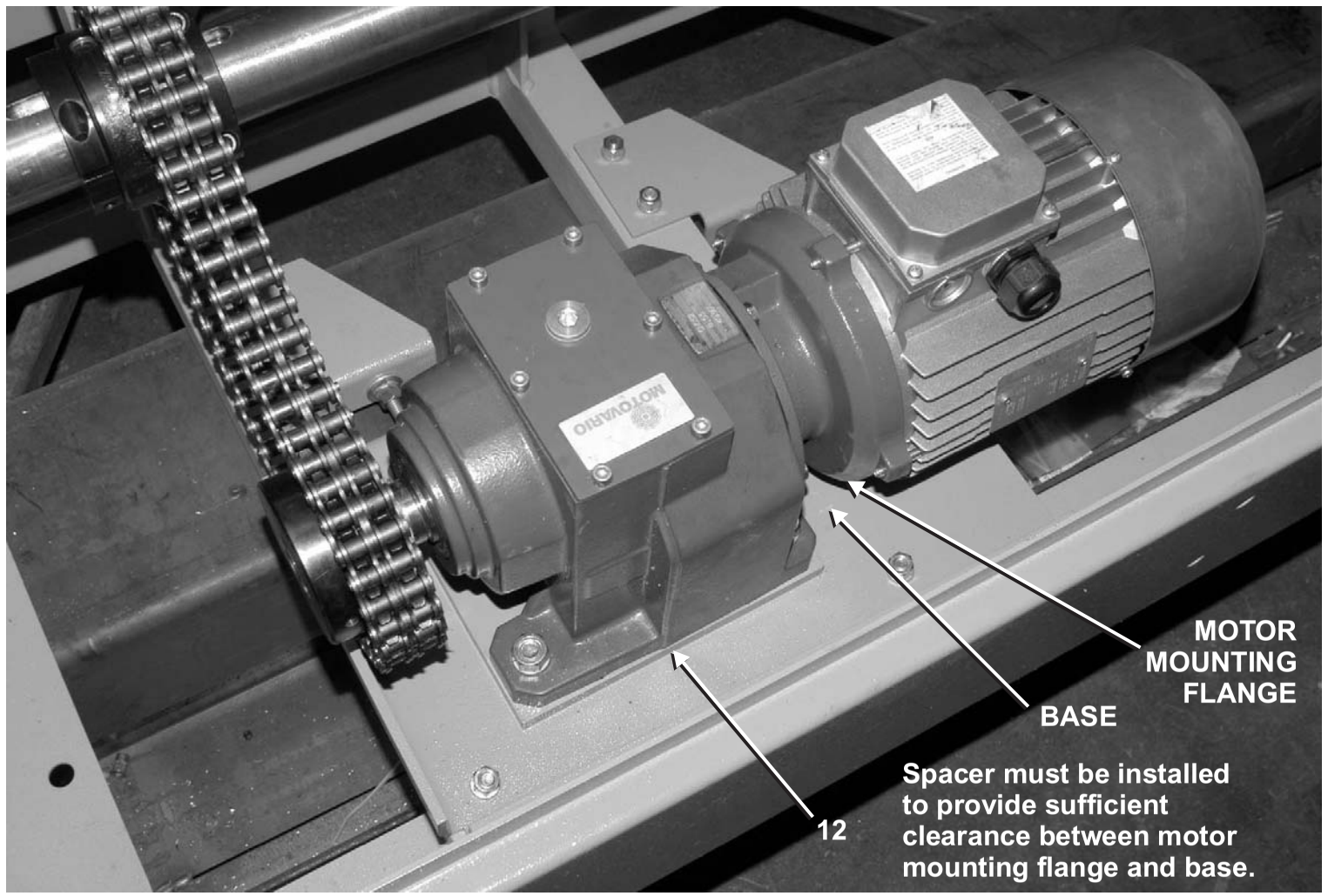
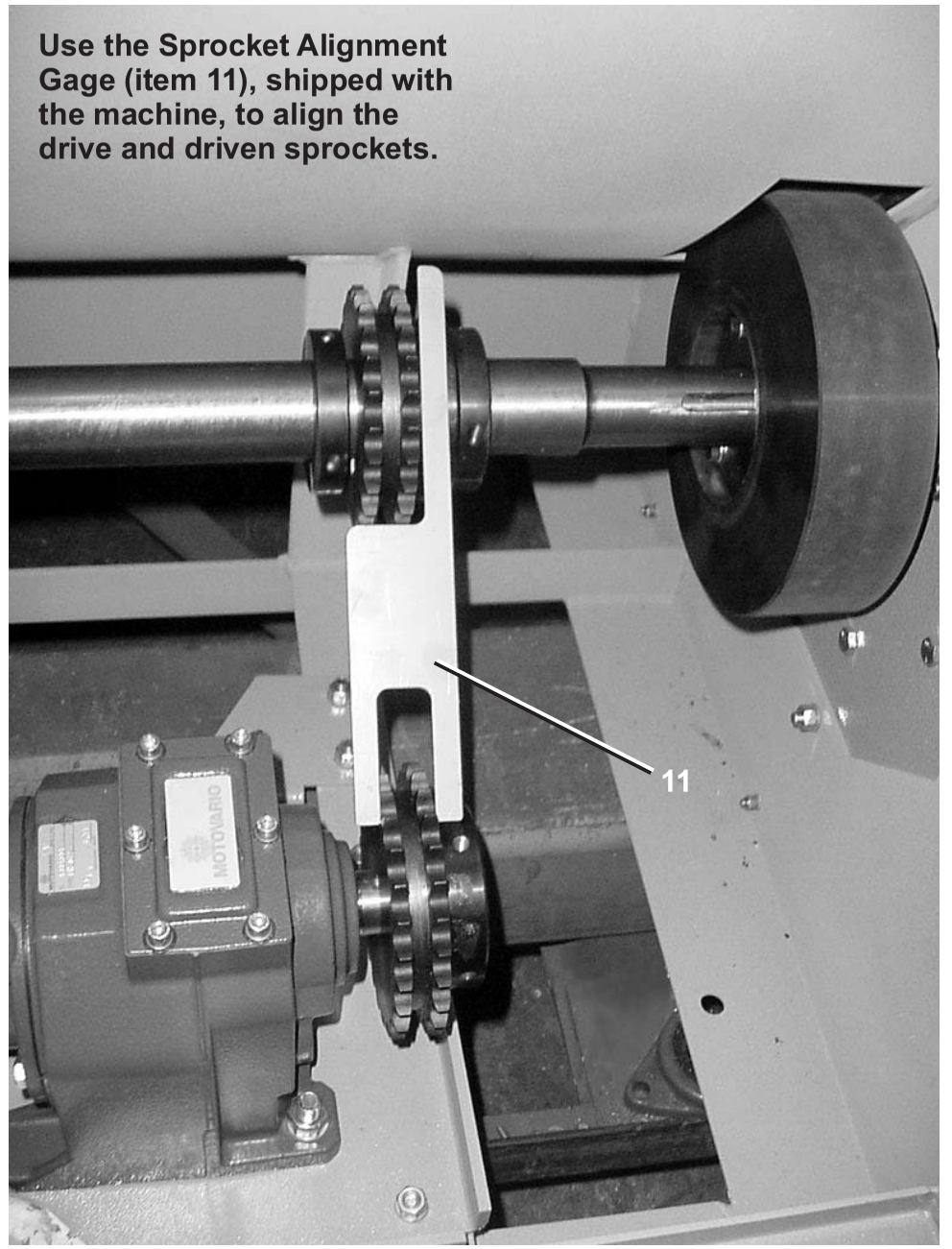
101



Use the Sprocket Alignment Gage (item 11), shipped with the machine, to align the drive and driven sprockets.



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Parts List—Drive Chart

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	D77 00250	DRIVE CHART 6458DRYER 50 CYC	50 CYCLE
	B	D77 00260	DRIVE CHART 6458DRYER 60 CYC	60 CYCLE
			----------COMPONENTS----------	
all	1	54N050B23D	SPRKT D50B23H 2" BORE DRVN	
all	2	54N050B25D	SPRKT D50B25H 1+1/4" BORE DRVR	
all	3	54G036SP	SOLID BUSH CHN 50-2 DBL 36.25"	
all	4	54JH22000C	SHFTCOLL 2"ID DBLSPLT CARSTL	
all	5	56Q1GSK	1+3/8" BUSH VPUL QD TYPE SK	
A	6	56Q1MSK	1+5/8" BUSH VPUL QD TYPE SK	
B	6	56Q1MSD	1+5/8" BUSH VPUL QD TYPE SD	
A	7	56080B3SK	VPUL 3B8.0/A7.6 (SK) TYPE QD	
B	7	56066B3SD	VPUL 3B6.6/A6.2 (SD) TYPE QD	
all	8	56086B3SK	VPUL 3B8.6/A8.2 (SK) TYPE QD	
A	9	56VB078X	VBELT BX78 RAWEDGE COG	
B	9	56VB075XM3	VBELT BX75 MATCHSET3 EA=1BELT	
all	10	39F1923BN	3HP GEARMTR 230+3P60 CH052	ITEM 2 ALSO REQUIRED FOR ALL MACHINES PRODUCED BEFORE 1/10/08.
all	11	07 71752	SPROCKET ALIGNMENT GAGE-6458	
all	12	07 71464	6458 GEAR REDUCER SPACER	

Drive Chart

7272TG1R, 7272TG1L

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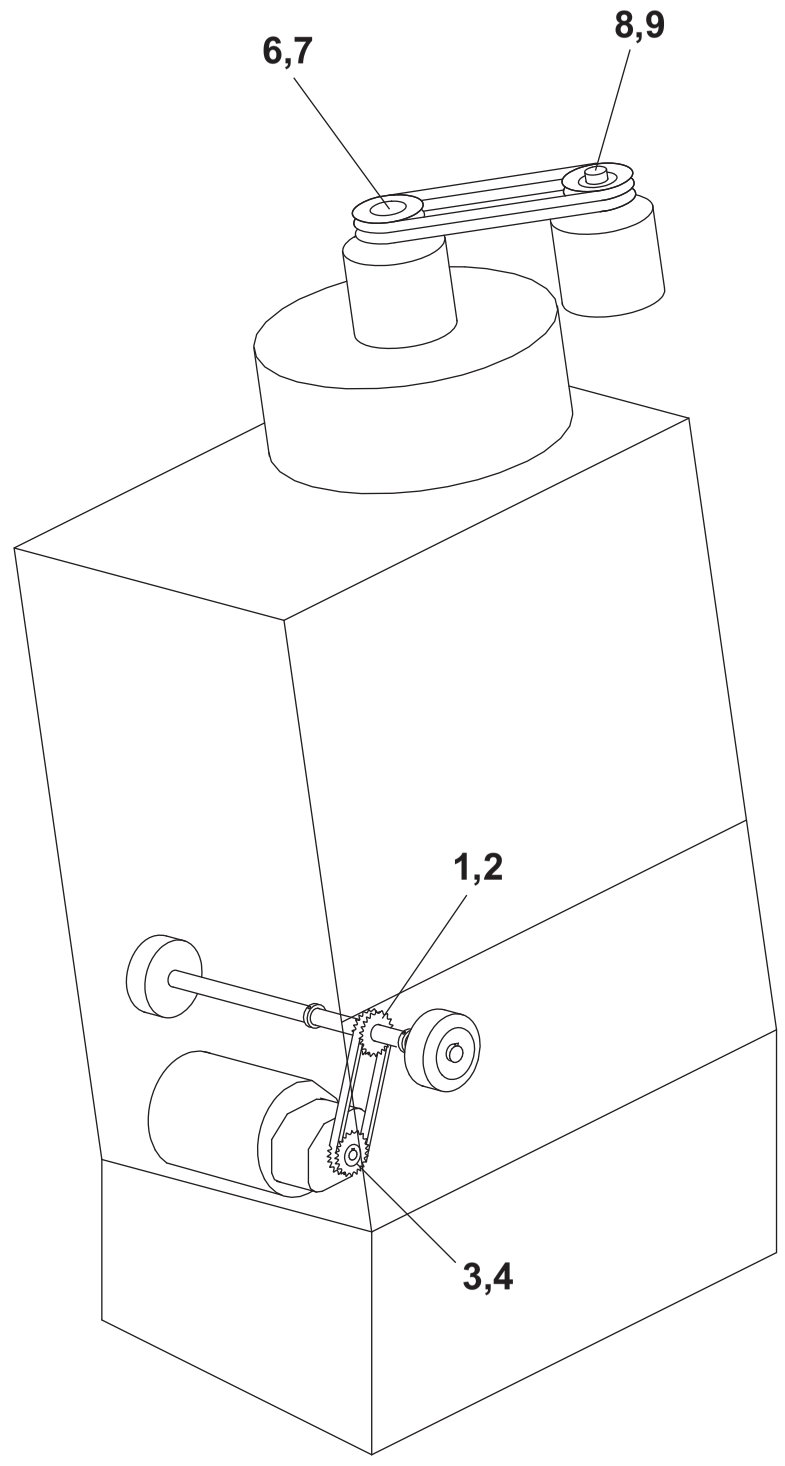
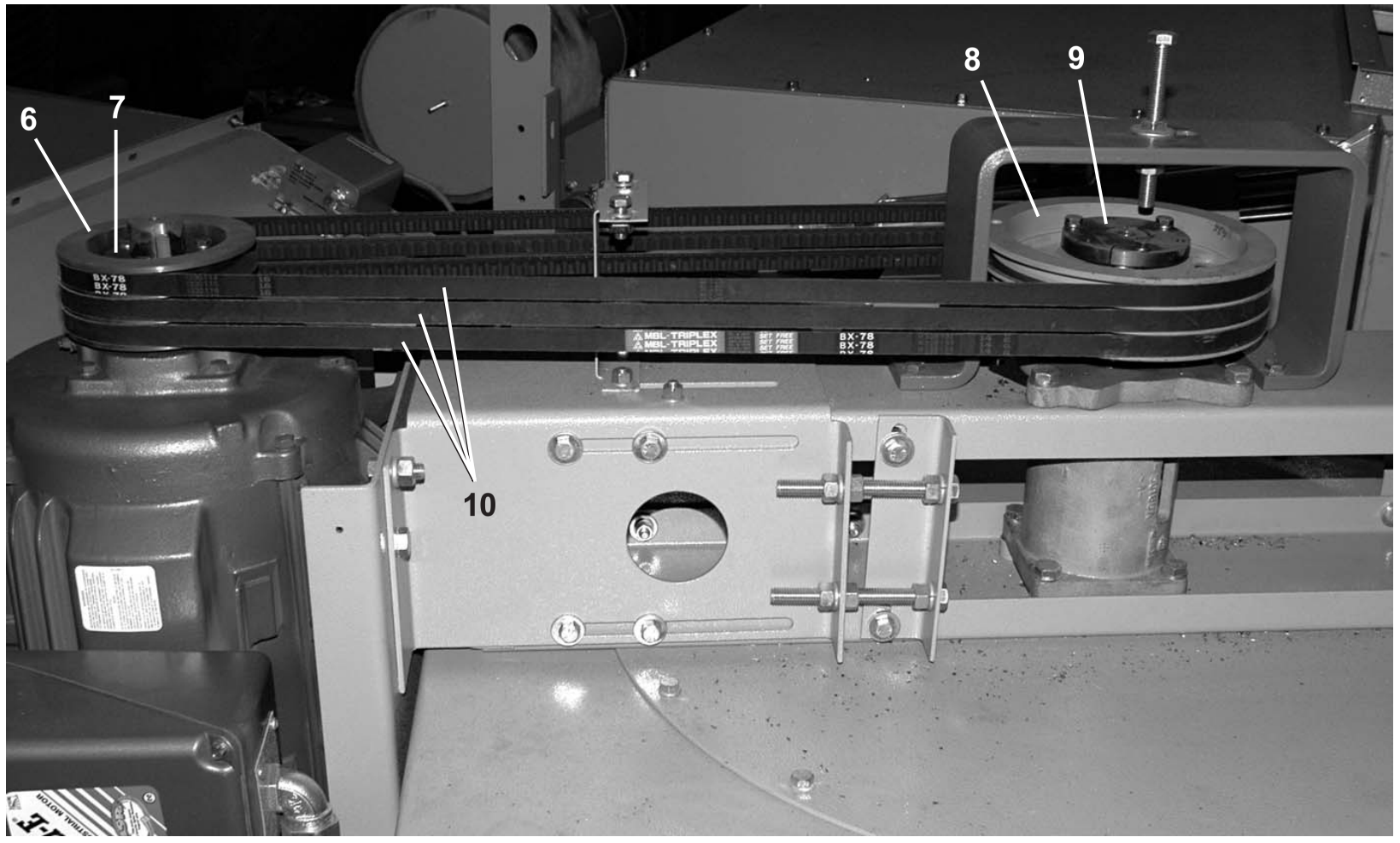


Blower Drive



Drive Chart

7272TG1R, 7272TG1L

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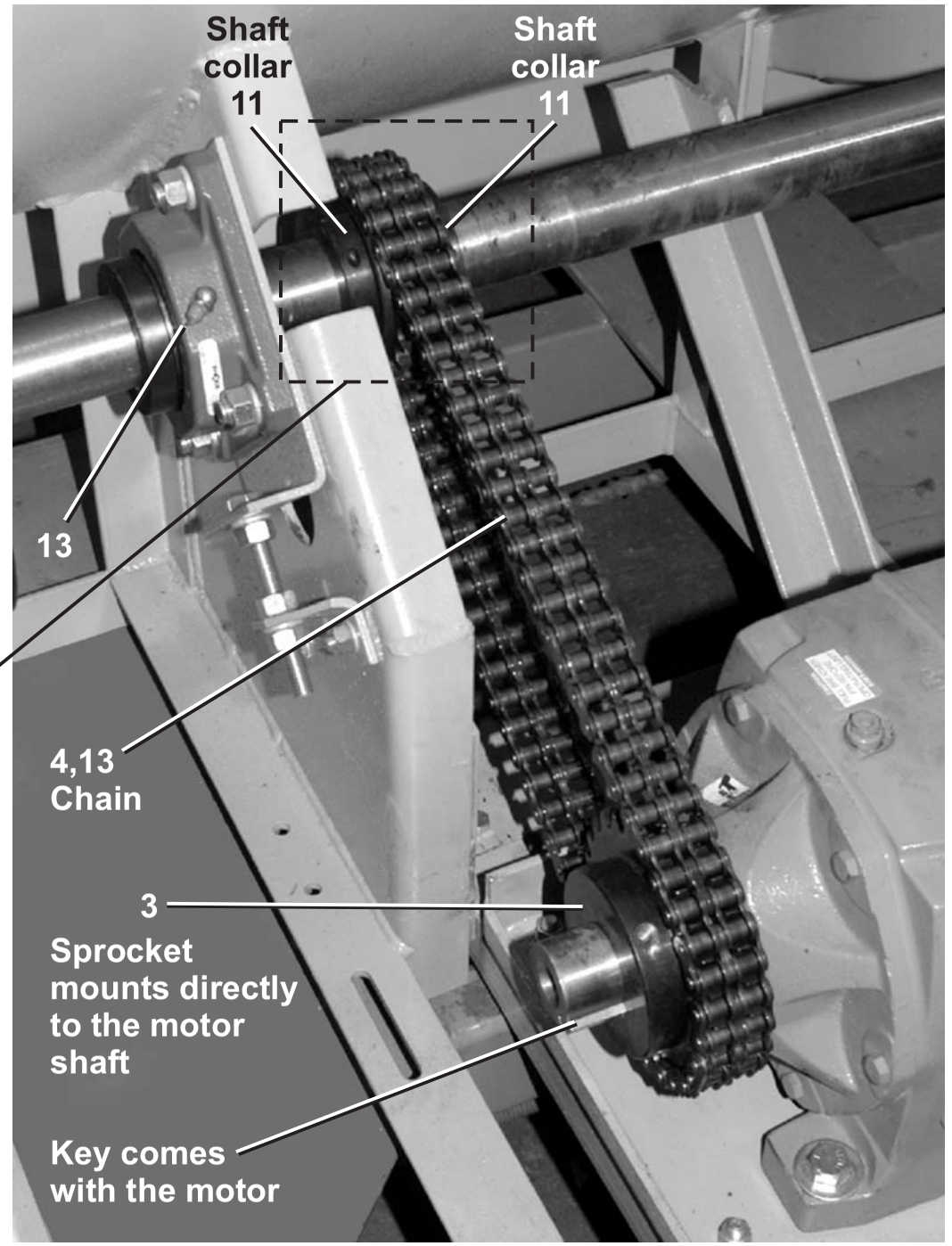
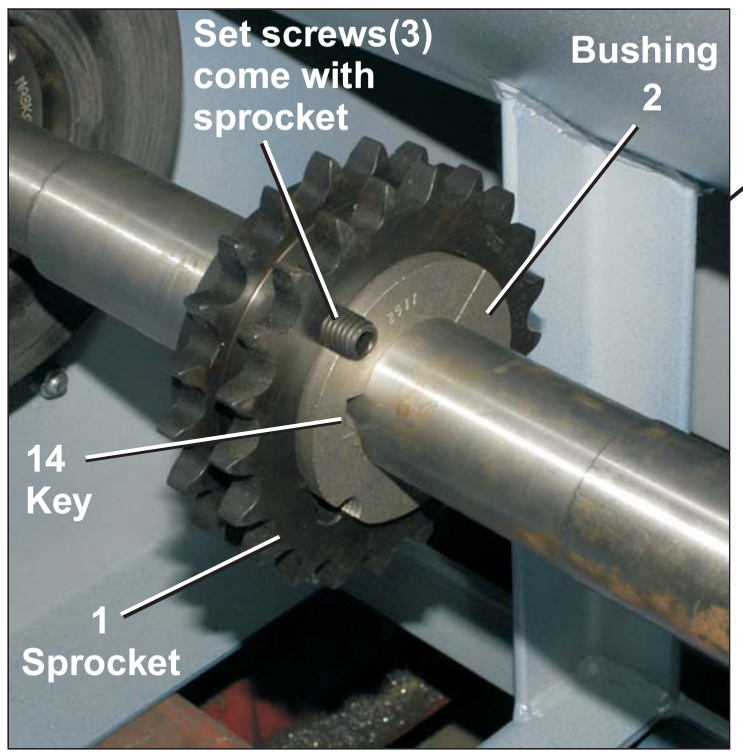
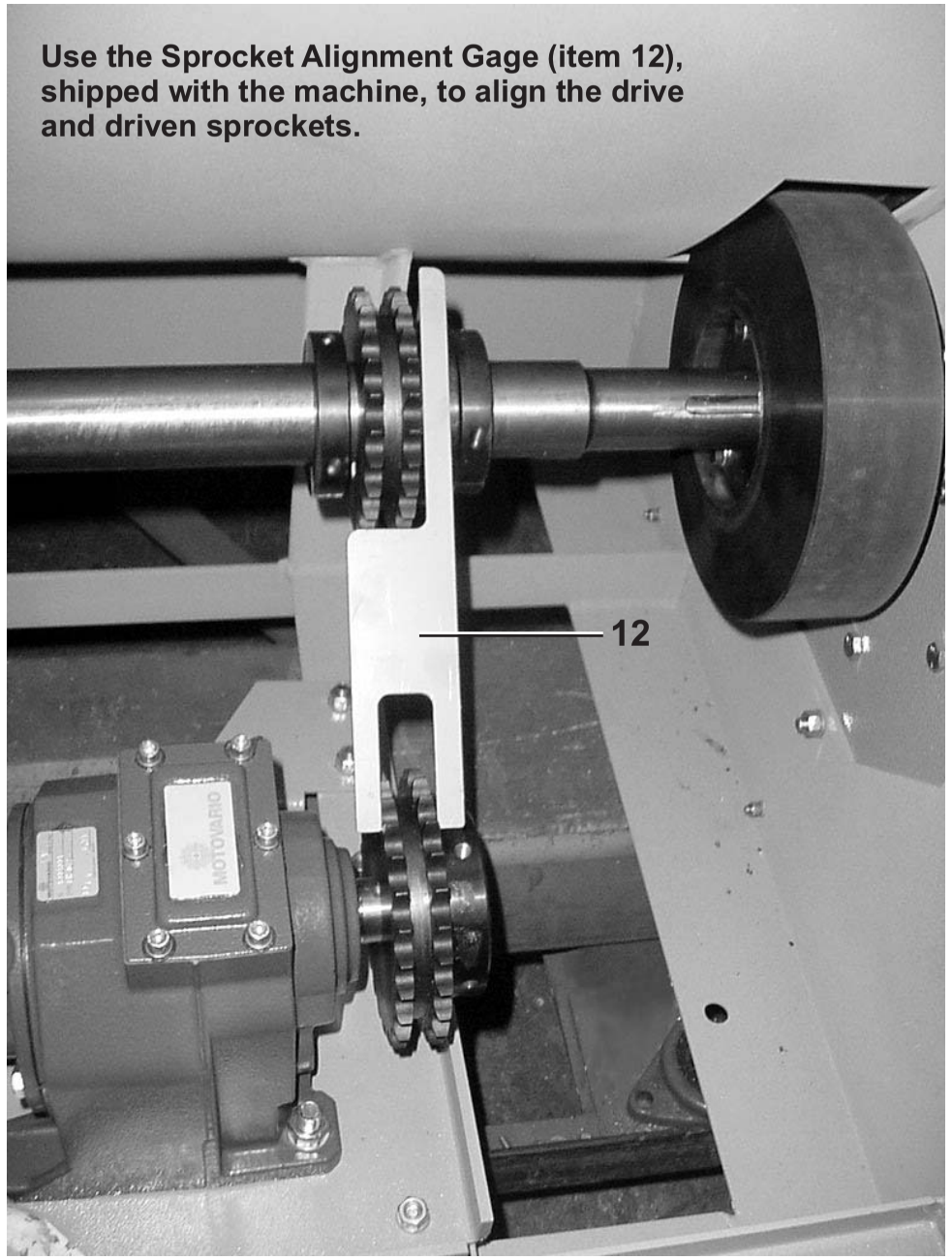
Cylinder Drive





Typical Driven Sprocket

Use the Sprocket Alignment Gage (item 12), shipped with the machine, to align the drive and driven sprockets.



Alignment Gage

Drive Chart
7272TG1R, 7272TG1L

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Litho in U.S.A.

Parts List—Drive Chart

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	D79 00150	DRIVE CHART 7272DRYER 50 CYC	7272TG1L/R 50 CYCLE
	B	D79 00160	DRIVE CHART 7272DRYER 60 CYC	7272TG1L/R 60 CYCLE
			----------COMPONENTS----------	
all	1	54N060B21A	SPRKT D60BTB21H 1+15/16TPRBORE	
all	2	56Q1TB1	1 15/16 BUSH,MART#2517 1 15/16	
all	3	54N060B26	SPRKT D60B26 1-5/8 BORE	
all	4	54G060SP	SOLID BUSH CHN 60-2DBL 4.50FT	
all	5	54JH22000C	SHFTCOLL 2"ID DBLSPLT CARSTL	
A	6	56070B3SK	VPUL 3B7.0/A6.6 (SK) TYPE OD	
B	6	56058B3SD	VPUL 3B5.8/A5.4 (SD) TYPE QD	
A	7	56Q1RSK	1+7/8" BUSH VPUL QD TYPE SK	
B	7	56Q1RSD	1+7/8" BUSH VPUL QD TYPE SD	
all	8	56086B3SK	VPUL 3B8.6/A8.2 (SK) TYPE QD	
all	9	56Q1GSK	1+3/8" BUSH VPUL QD TYPE SK	
A	10	56VB085X	VBELT BX85 RAWEDGE COG	
B	10	56VB083X	VBELT BX83 RAWEDGE COG	
all	11	54JH21937C	SHFTCOLL 1.937ID DBLSPLTCARSTL	
all	12	07 71753	SPROCKET ALIGNMENT GAGE-7272	
all	13	20H011CG	ALVANIA CG1 GREASE EA=1 TUBE	
All	14	15E236A	15E236 KEY CHAMFER ALL 4 SIDES	

Used In	Item	Part Number	Description	Comments

Cylinder Installation

6458TG1R/L,TS1R/L 6464TG1R/L,TS1R/L 7272TG1R/TG1L

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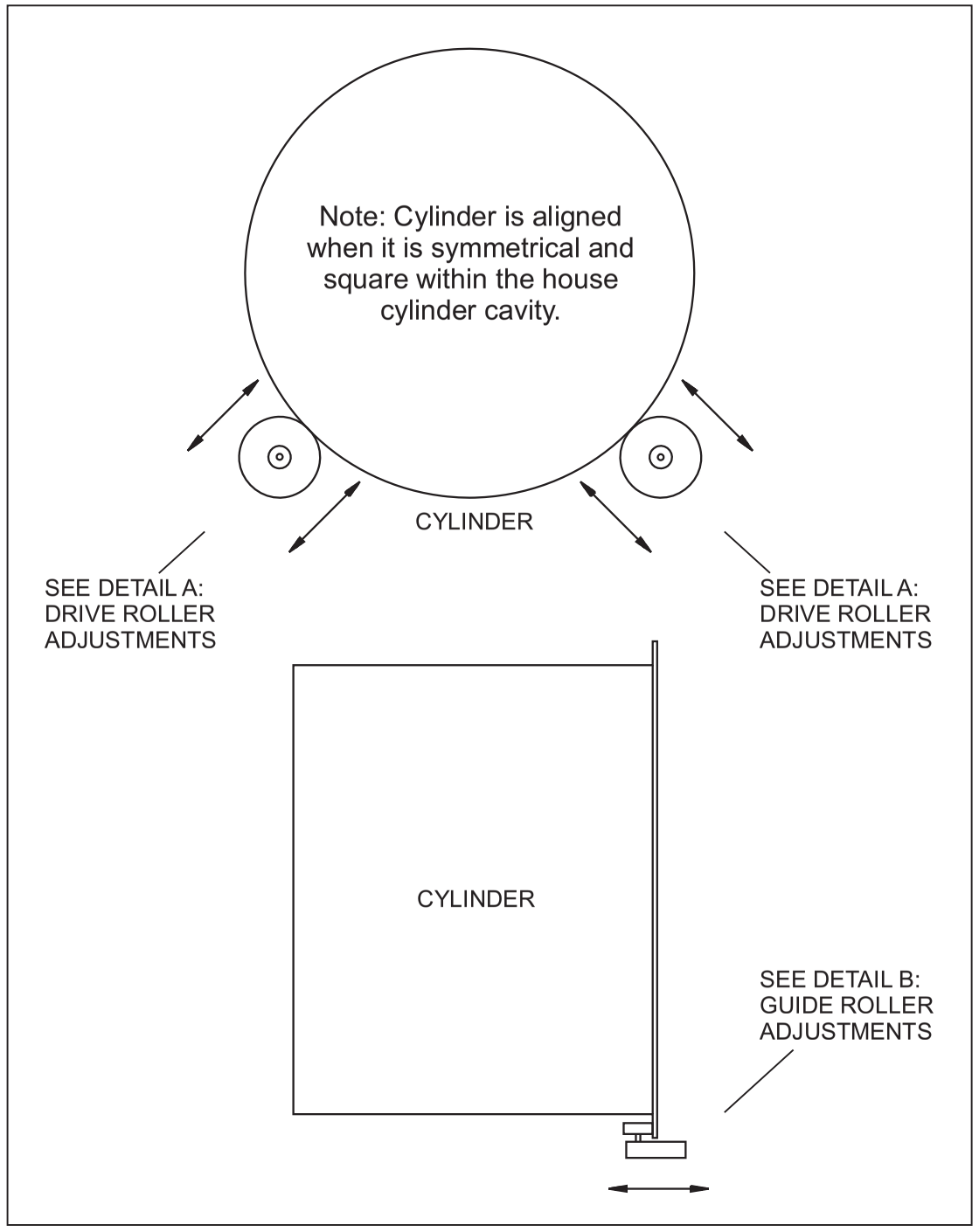
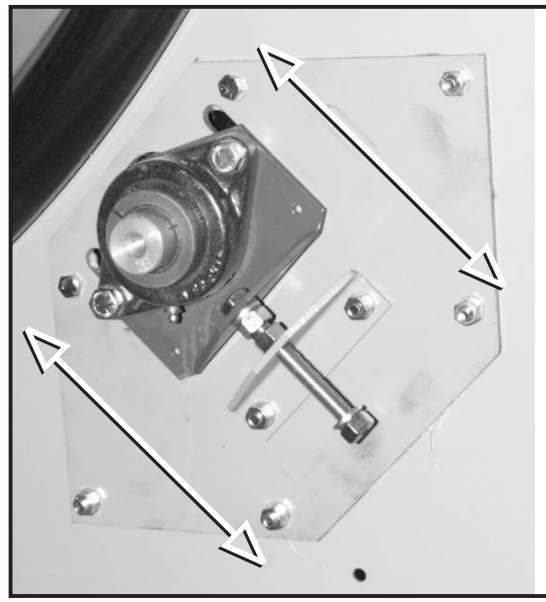
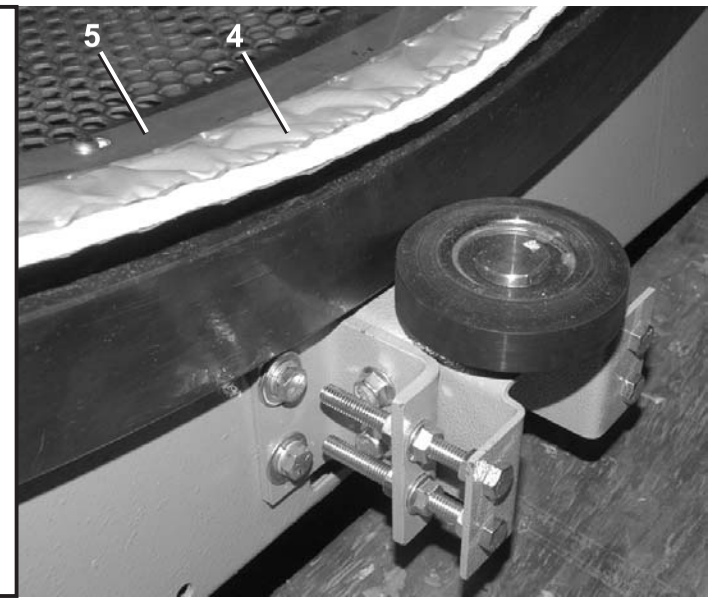


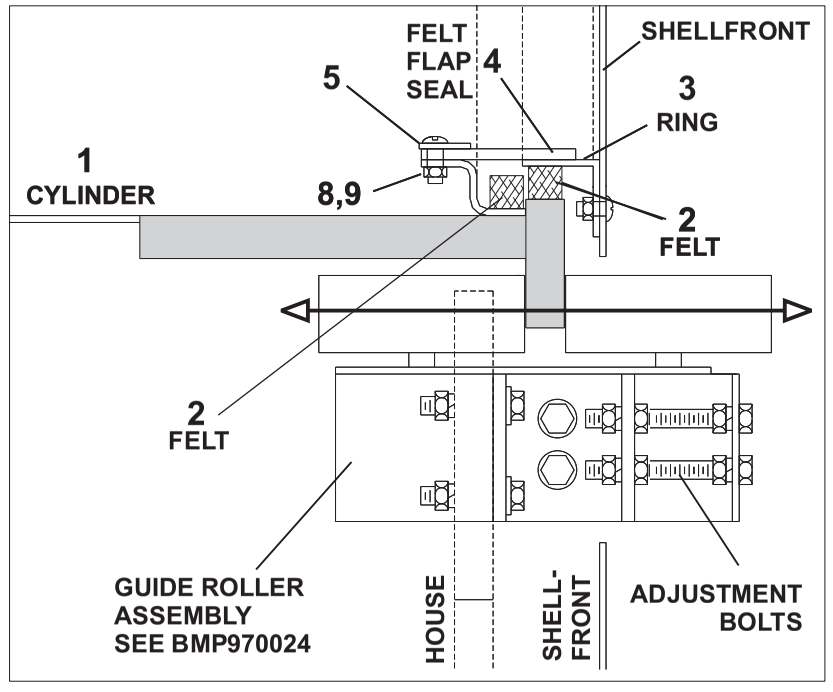
CYLINDER ALIGNMENT ADJUSTMENTS



DETAIL A: DRIVE & SUPPORT ROLLER ADJUSTMENTS

Use the adjustable bolts on the bearing mounting plates to adjust the position of the drive rollers.





DETAIL B: GUIDE ROLLER ADJUSTMENTS

(ADJUSTS FRONT/REAR POSITION OF CYLINDER)

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Parts List—Cylinder Installation

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A77LD004B	6458 WIDE LOAD DOOR COSM ASSY	6458, 6464 DRYERS
	B	A79LD001	7272 LOAD DOOR COSM ASSY	7272 DRYERS
	C	A77FS001	6458 FRONT FLAP SEAL ASSY	6458, 6464 DRYERS
	D	A79FS001	7272 FRONT FLAP SEAL ASSY	7272 DRYERS
			----------COMPONENTS----------	
	1	A77CA011	6458 BASKET STANDARD	
	1	A77CA012	6458 DRYER BASKET TEFLON COAT	
	1	A77CA014	6458 HITEMCO COATED BASKET	
	1	A77CA021	6464 DRYER BASKET STANDARD	
	1	A77CA022	6464 DRYER BASKET TEFLON COAT	
	1	A77CA023	6464 DRYER BASKET HITEMP COATING	
	1	A79CA002	7272TG1L+R=BASKET FINAL MACH	
	1	A79CA003	7272 DRYER BASKET TEFLON COAT	
all	2	27A686	FELT 3/4"THKX1/2"W F7=0.67	
A	3	07 71212	FRONT SEAL COSMETIC RING	
B	3	07 81212	7272 FRONT SEAL COSM RING	
C	4	07 71226A	6458 FRONT SEAL/FELT/NOMEX	
D	4	07 81226A	7272 FRONT SEAL/FELT/NOMEX	
C	5	07 71117	6458 CYL SEAL RETAINER STRIP	
D	5	07 81117	7272 CYL SEAL RETAINER STRIP	
CD	8	15K033	BUTSOKCAPSCR 1/4-20X5/8 SS18-8	
CD	9	15G164NE	HEXLOKNUT NYL 1/4-20 UNC2A SS.	

T-Seal Assembly

6458TG1R/L,TS1L/R 6464TG1R/L,TS1L/R 7272TG1R/L

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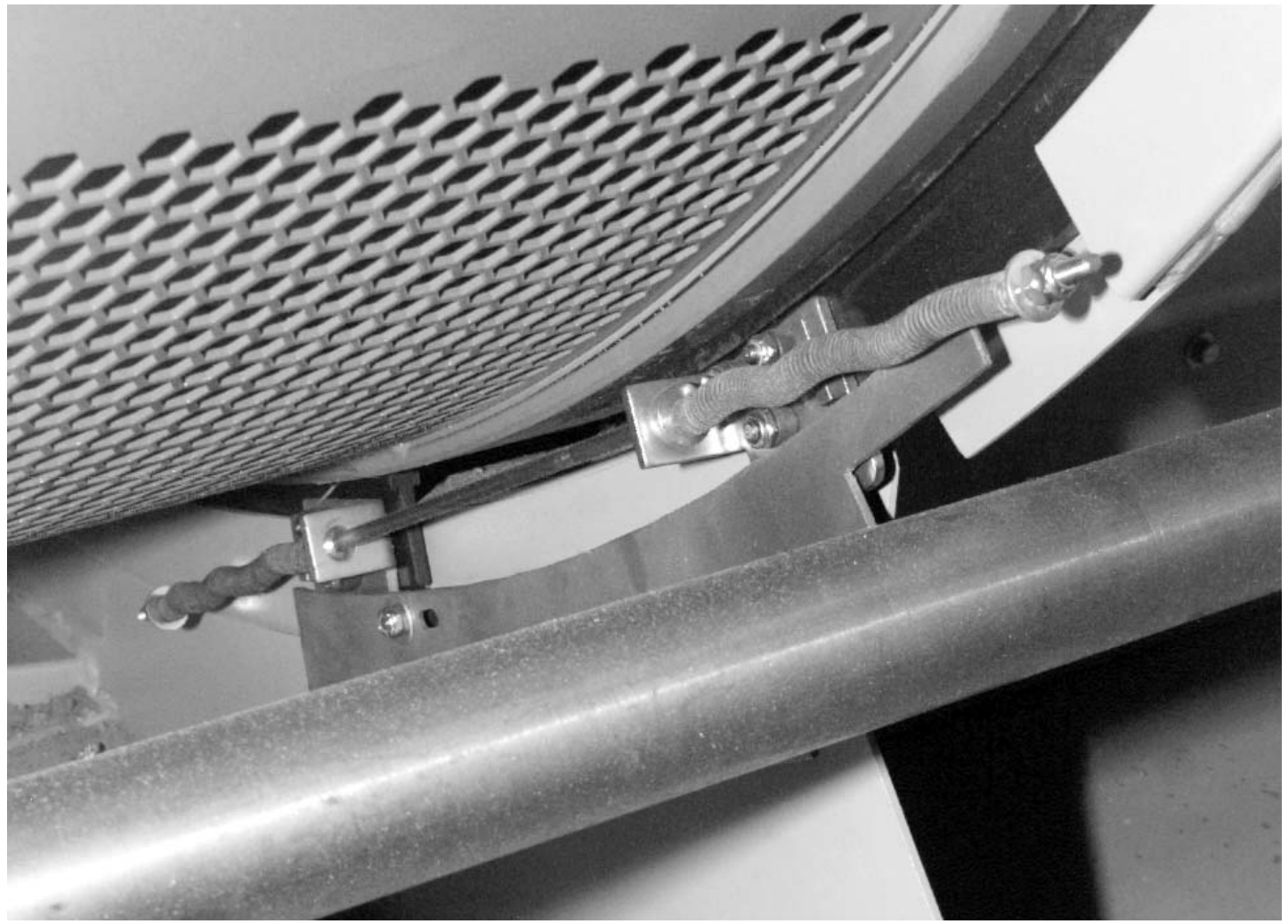

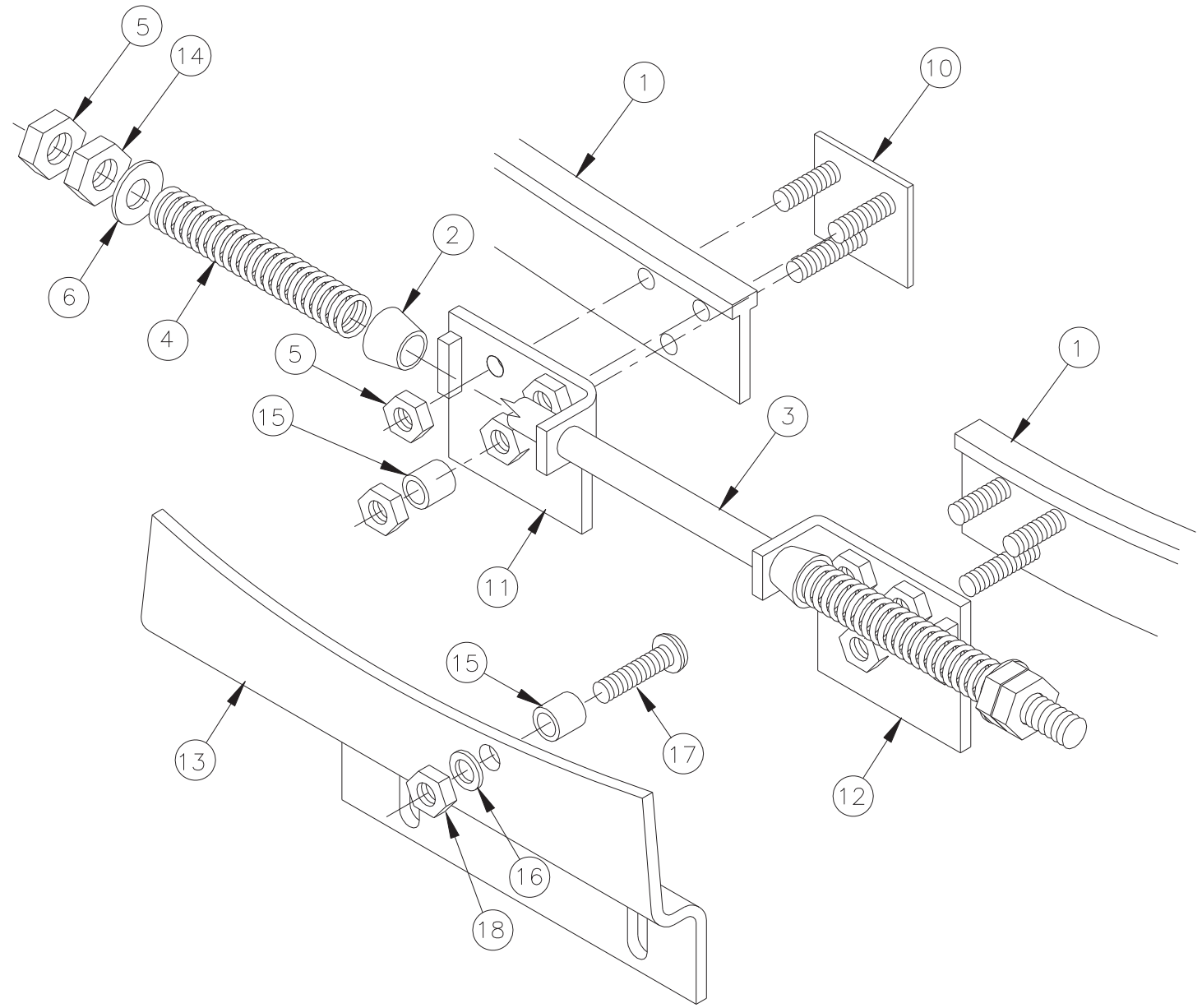

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Parts List—T-Seal Assembly

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	G77TS001	6458 "T"-SEAL INSTALL LINT L	6458,6464 DRYERS
	B	G79TS001A	7272A "T" SEAL INSTALL BLW RT	7272 DRYERS
			----------COMPONENTS----------	
A	1	X7 71124	6458 T-SEAL NOTCH & DRILL	
B	1	X7 80202	T-SEAL NOTCH+DRILL- 72"	
all	2	07 50469	YOKE=T-SEAL ROD ADJUSTMENT	
all	3	07 50471	ROD=SPRING TENSION T-SEAL	
all	4	07 50472	SPRING=DRYER T-SEAL TENSION	
all	5	15G164	HX THIN LOCKNUT NYL1/4-20 SS	
all	6	15U188	FLTWASH 1/4 STD COMM SS18-8	
all	10	07 50498	RIBPLATE=STUD HOLDER T-SEAL	
all	11	W7 50466A	*WLMT=SEAL/YOKE LF SIDE 3BOLT	
all	12	W7 50467A	*WLMT=SEAL/YOKE RT SIDE 3BOLT	
A	13	07 50465	BRKT=T-SEAL RETAINER DRYER	
B	13	07 71509A	6458A "T" SEAL RETAINER BKT	
all	14	15G170	HEXNUT 1/4-20UNC2 SS18-8	
all	15	54J004H	COLLAR=HEAT TREAT 45-55 RC	
all	16	15U200	FLATWASHER(USS STD) 5/16"ZNC P	
all	17	15N176A	TRUSSCR 1/4-2OUNCX3/4 SS18-8	
all	18	15G166A	HXLOKNUT NYL1/4-20 UNC2A STL/Z	

Drive & Support Roller Installation

6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R

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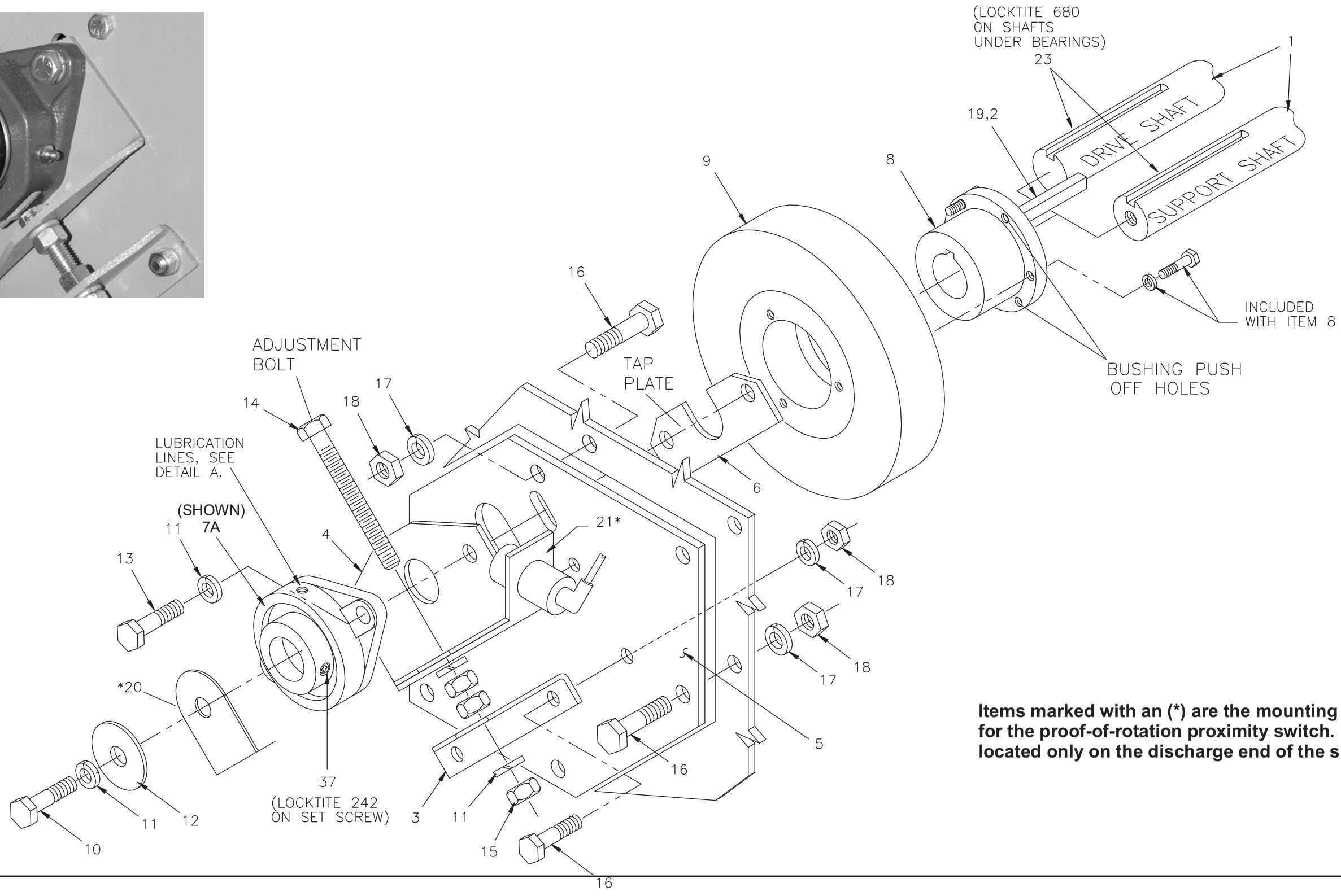
Litho in U.S.A.



Items marked with an (*) are the mounting bracket and target for the proof-of-rotation proximity switch. These parts are located only on the discharge end of the support roller.

Drive & Support Roller Installation

64058TG1

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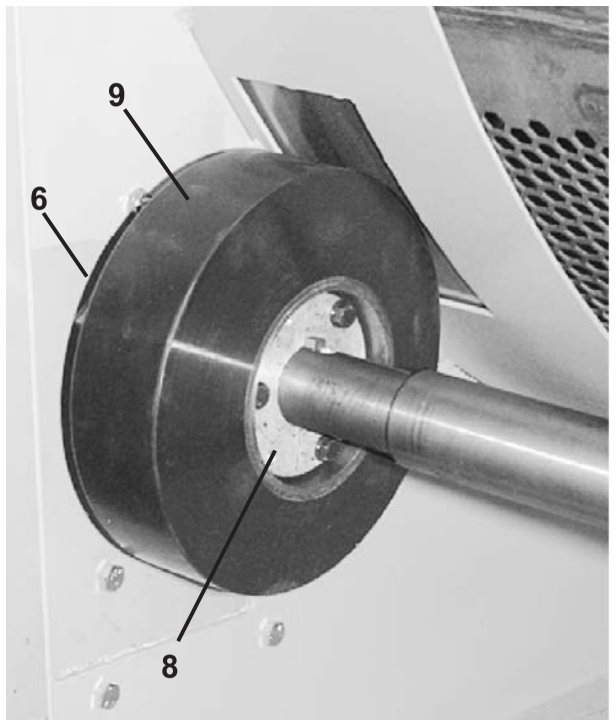
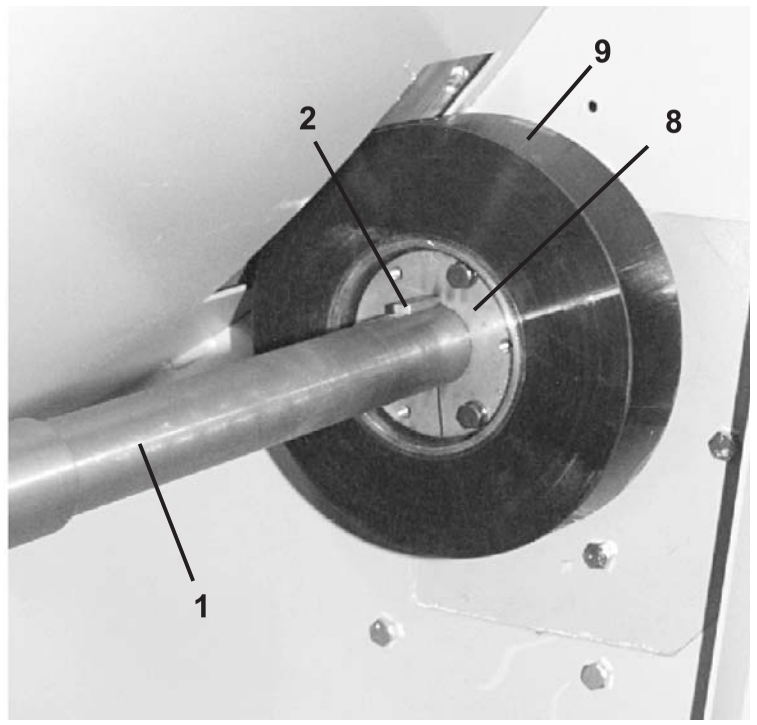
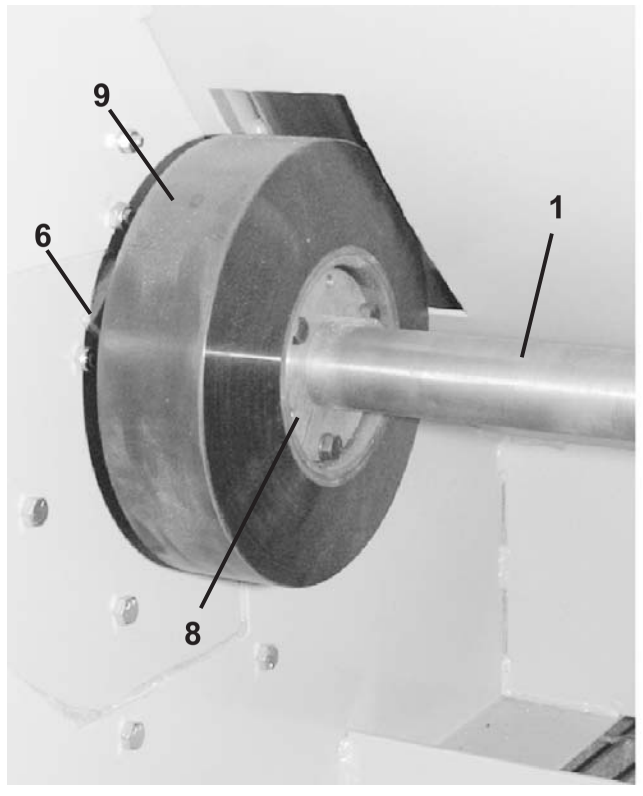
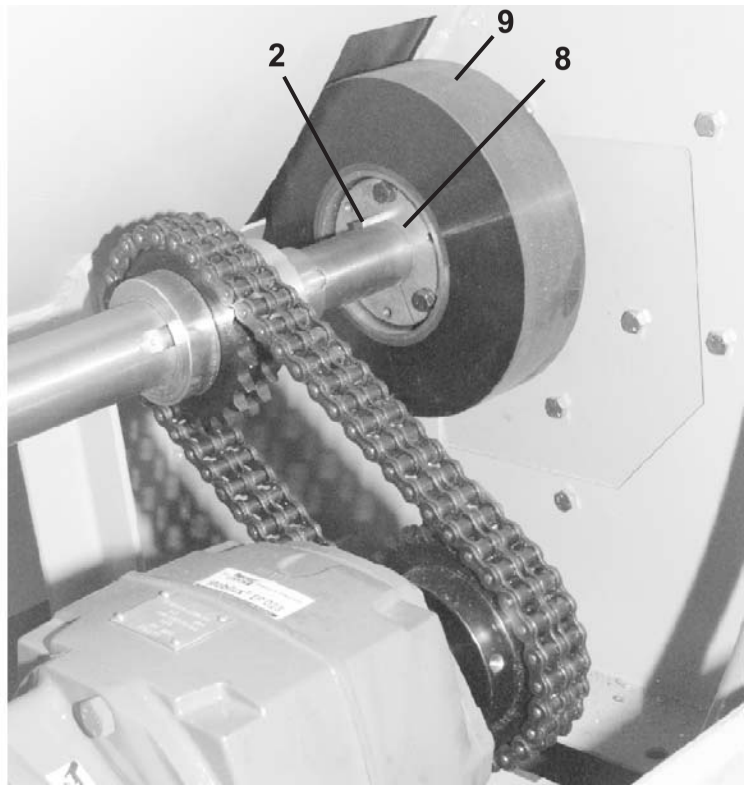
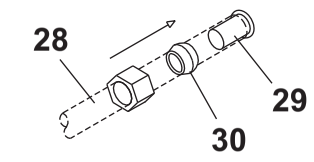


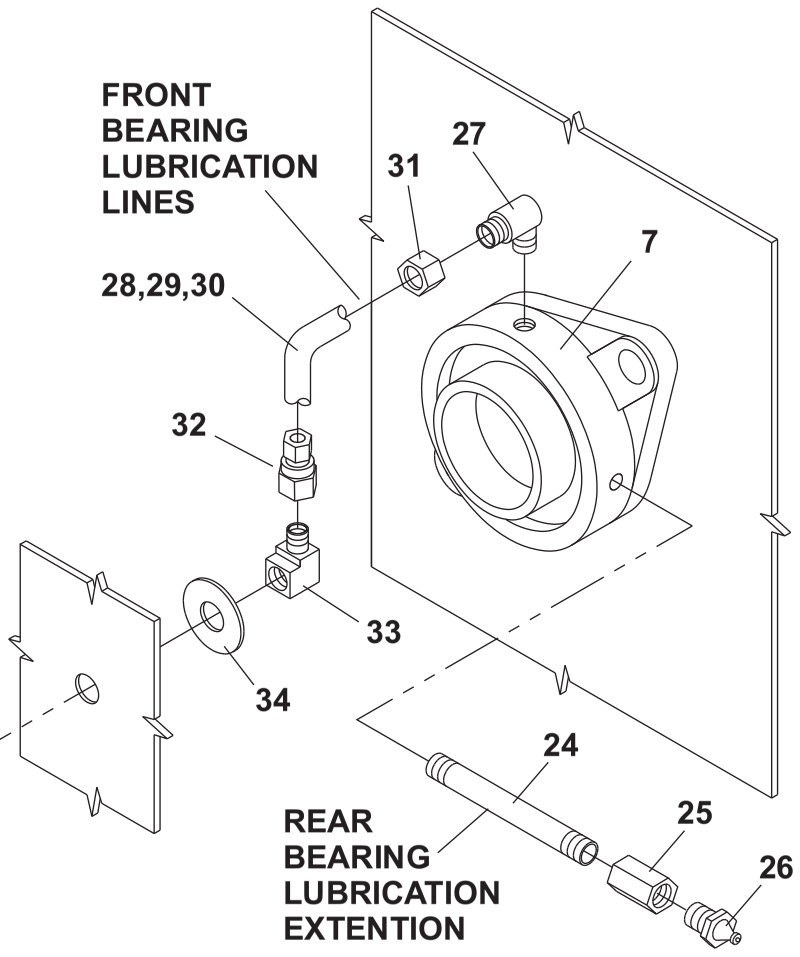








TYPICAL FITTINGS
TUBING ENDS



DETAIL A:
LUBRICATION LINES

111

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Litho in U.S.A.

Parts List—Drive & Support Roller Installation

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A77DB010	6458 CYLINDER DRIVE ASSY LF	FOR MODELS PRODUCED BEFORE 5/14/08
	B	A77DB012	6458 CYLINDER SUPP ASSY	FOR MODELS 6458TG1L/R.AAX AND LATER PRODUCED AFTER 5/14/08
	C	A77DB020	6464 CYLINDER SUPP ASSY	6464 DRYERS
			----------COMPONENTS----------	
A	1	X7 71168	6458 CYLINDER SHAFTS	
B	1	X7 71169	6458 CYLINDER SHAFT LG BEARING	
C	1	X7 72040	6464 CYLINDER SHAFTS	
all	2	07 50031A	DRYER SHAFT KEY=WHEEL	
all	3	07 50127	BRKT=BEARING AJUST	
A	4	07 50128	BRKT=BEARING MOUNTING	
BC	4	07 81228	7272 BRKT=SUPPORT BEARING MNT	
A	5	07 71280	6458 SUPP/DRIVE BEAR MTG PLT	
BC	5	07 81280	7272 SUPPORT BEAR MTG PLT	
A	6	07 70049A	BEAR ADJUST TAP PLATE	
BC	6	07 81229	7272 BEARING ADJUST PLATE	
A	7	56F1H2CSWC	FLG BRG=1.438 B.D.+COLLAR	
BC	7	56F1H2CSA	FLANGE BRG 1+7/16 ROCK#128837	
all	8	56Q1NSK	1+11/16" BUSH VPUL QD TYPE SK	
all	9	60C509UT	WHEEL SINGLE 9"OD URETHANE	
all	10	15K147	HXCAPSCR 1/2-13UNC2X1 GR5 ZINC	
all	11	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	12	15U286	FLATWASHER 2"0DX17/32"IDX1/4"	
all	13	15K162	HXCAPSCR 1/2-13UNC2AX1.5 GR5 P	
all	14	15D119	HXTAPSCR 1/2-13X4 GR5 ZNC FULL	
all	15	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	16	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	17	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	18	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	19	15N082	FILMACSCR 8-32UNC2X3/8SS18-8	
all	20	03 BL1X1A	TARGET FOR PHOTOEYE 6458 DRYER	
all	21	03 BL1X1B	PHOTOEYE BRACKET 6458 DRYER	DRIVE LEFT
all	21	03 BL1X1C	PHOTOEYE RT SIDE BRKT 6458 DRY	DRIVE RIGHT
All	22	20C008C	THDLKSEAL LCT24241 RMUBL250CC	
all	23	20C012DA	RETAINCMPD ADH LCT#68060 250ML	
All	24	5N0C03AG42	NPT NIP 1/8X3 TBE GALSTL Sk40	
all	25	5SCC0CBE	NPT COUP 1/8 BRASS 125# 103A-A	
all	26	54M015	GREASEFIT 60X36/60X44 1610BL	
all	27	53A031B	BODY-EL90MALE.25X1/8 #269C-42B	
all	28	60E004TC	TUBING NYL(NAT)1/4"ODX.17ID	
all	29	53A501	TUBE INSERT .163"OD #63PT-4-40	
all	30	53A500	SLEEVE DELRIN 1/4"OD#60PT-4	
all	31	53A059A	NUT 1/4"BR.HOLYOKE AND #61A-4	
all	32	53A007B	BODYFEMCON.25X.25COMP#B66A-4B	
all	33	5SL0EBEC	NPTELB 90DEG STRT 1/4 BRASS125	
all	34	15U280	FL+WASHER(USS STD)1/2 ZNC PL+D	
all	35	5SB0E0CBEO	NPTHEXBUSH 1/4X1/8 BRASS 125#	
all	36	54M005	GRSFITADPSTR#5405-01-02 1/4-28	

Drive & Support Roller Installation

7272TG1R, TG1L

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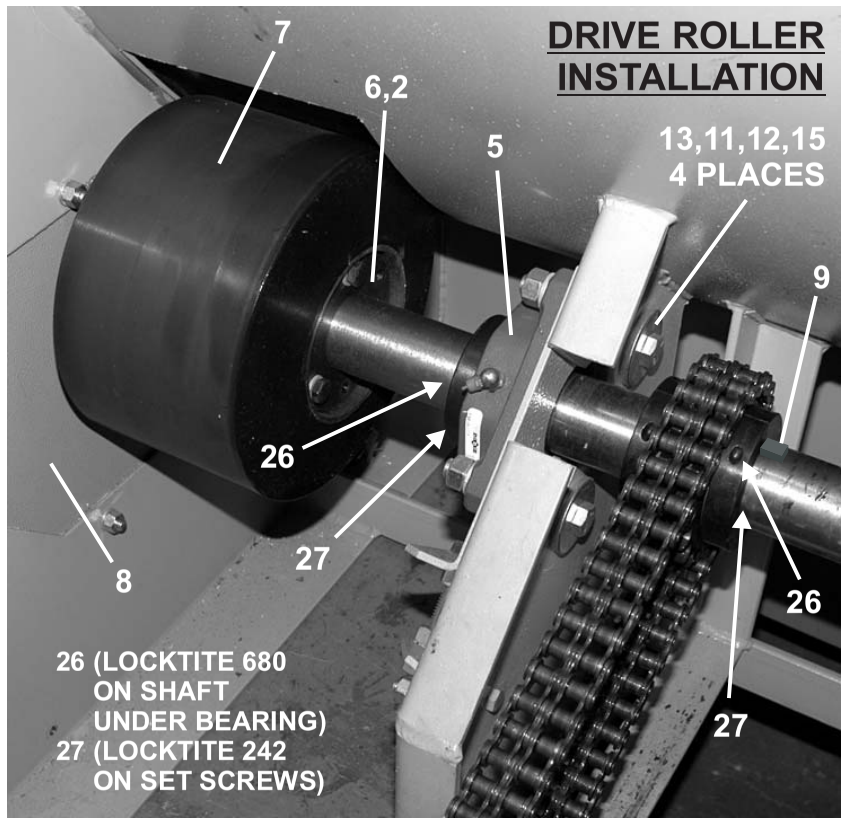
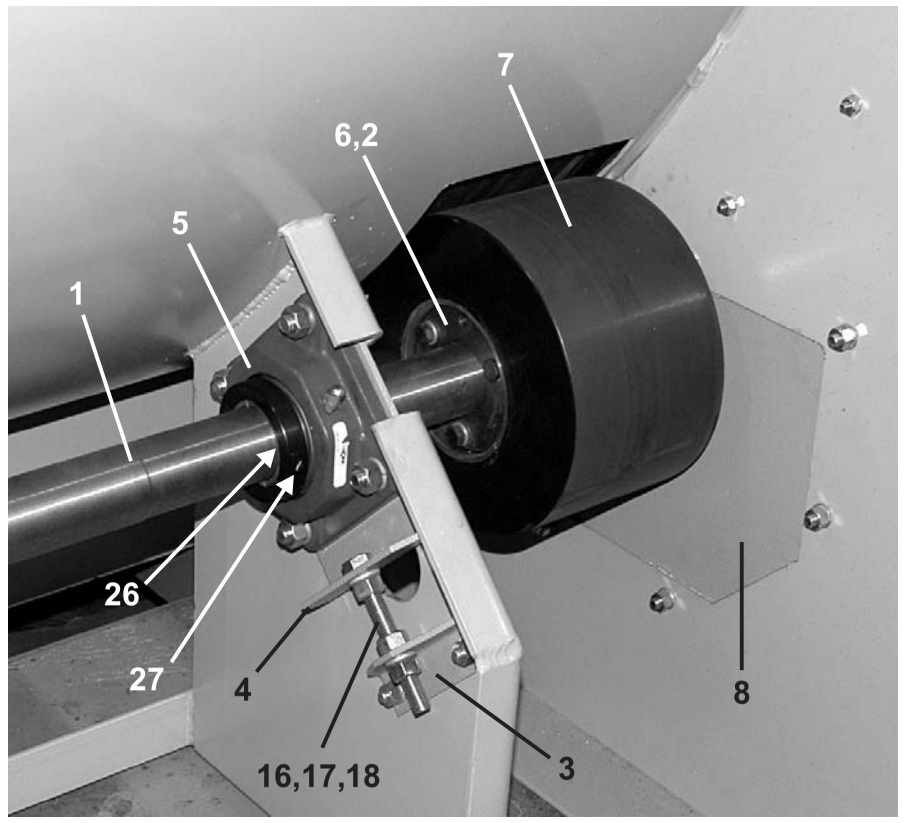
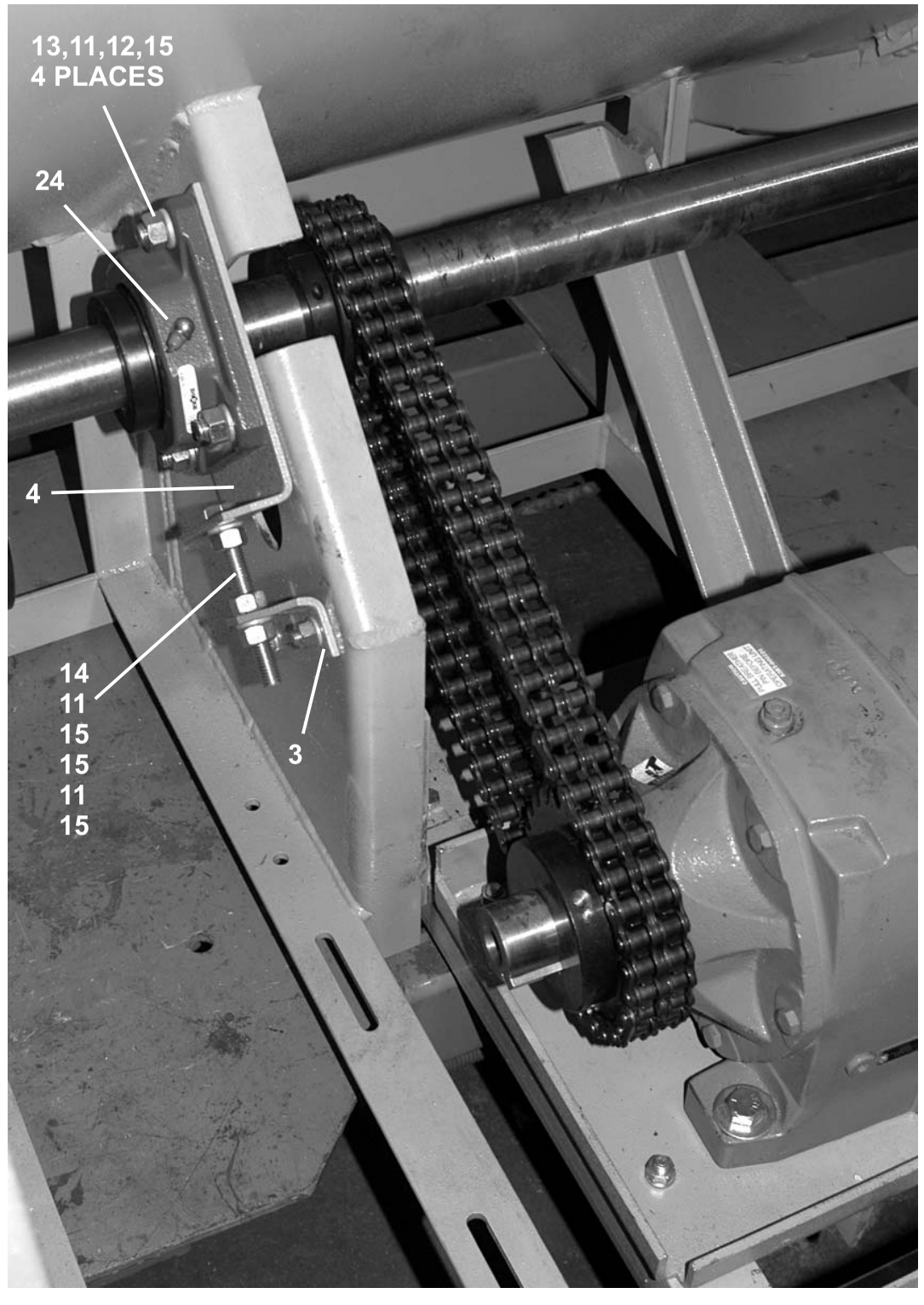
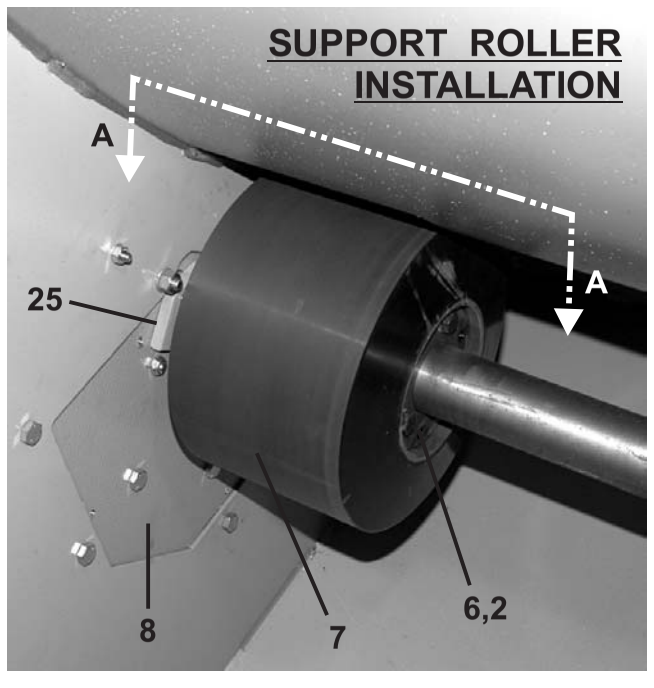
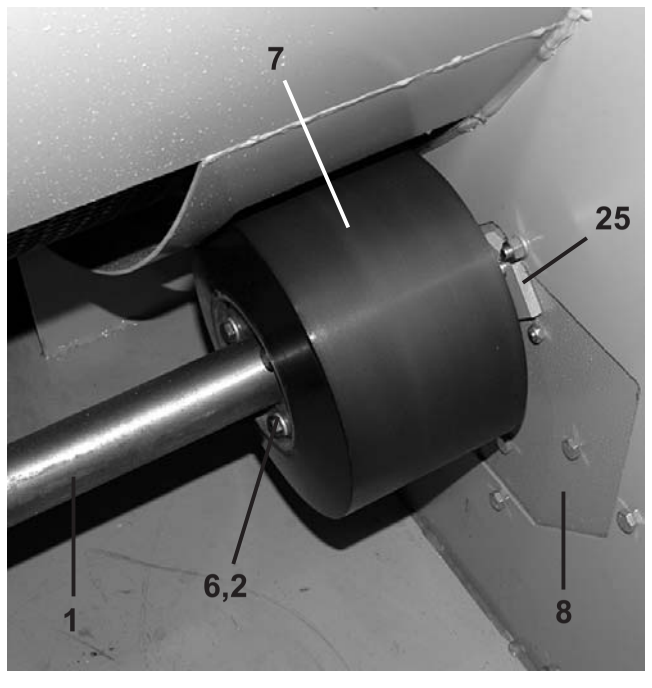
Litho in U.S.A.











Drive & Support Roller Installation

7272TG1R, TG1L

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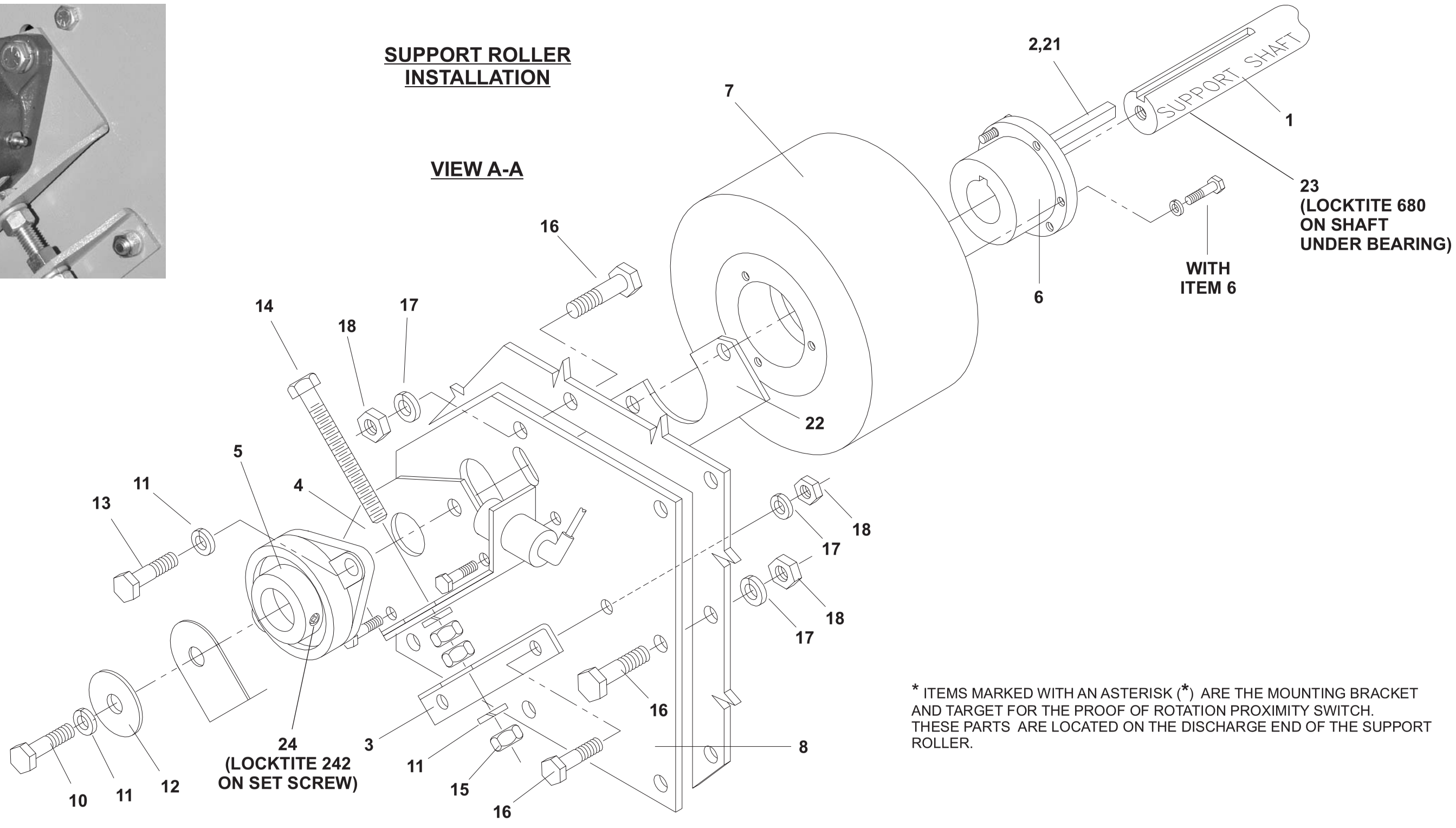
Litho in U.S.A.



* ITEMS MARKED WITH AN ASTERISK (*) ARE THE MOUNTING BRACKET AND TARGET FOR THE PROOF OF ROTATION PROXIMITY SWITCH. THESE PARTS ARE LOCATED ON THE DISCHARGE END OF THE SUPPORT ROLLER.

Drive & Support Roller Installation

7272TG1R, TG1L

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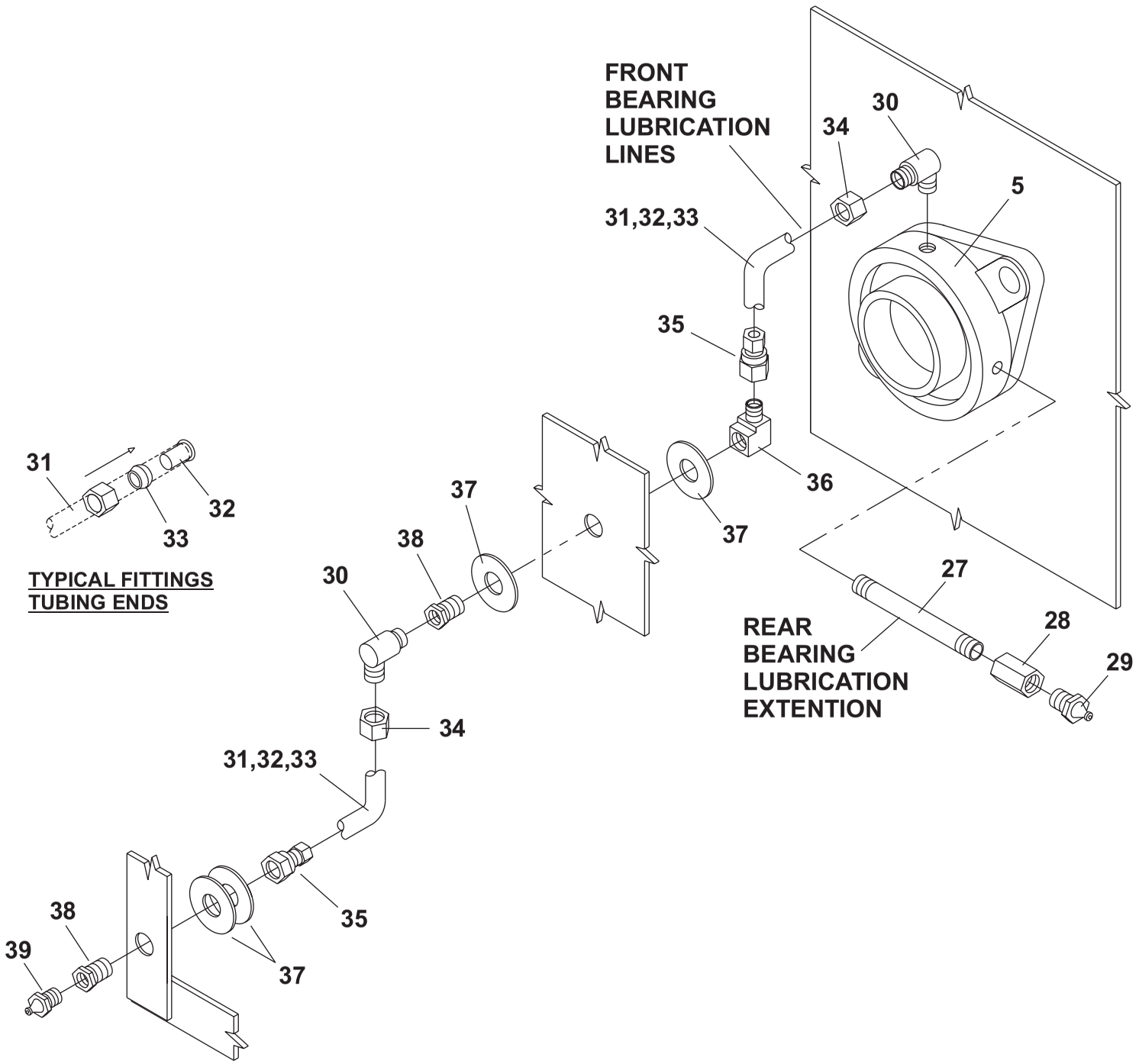

TYPICAL FITTINGS
TUBING ENDS

DETAIL A:
LUBRICATION LINES

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Parts List—Drive & Support Roller Installation

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
----------	----------	----------	----------ASSEMBLIES----------	----------
	A	A79DB001	7272 DRIVE SHAFT=BASKET ASSY	
	B	A79DB002	7272 SUPPT SHAFT=BASKET ASSY	
----------	----------	----------	----------COMPONENTS----------	----------
A	1	07 81050	7272 CYLINDER SHAFT-DRIVE	
B	1	07 81285	7272 CYLINDER SUPPORT SHAFT	
all	2	07 70029	5880 DRYER SHAFT KEY=WHEEL	
A	3	07 81365	7272 DRIVE-BEARING ADJ PLATE	
B	3	07 50127	BRKT=BEARING AJUST	
A	4	07 81366	7272 DRIVE-BEARING MNT PLT	
B	4	07 81228	7272 BRKT=SUPPORT BEARING MNT	
A	5	54AF1937	FLBRG 1+15/16" B#VF4B-231	
B	5	56F1H2CSA	FLANGE BRG 1+7/16 ROCK#128837	
all	6	56Q1TQ3S	1+15/16" SPLIT BUSHING B#Q3	
all	7	60C510UT	WHEL DOUBLE 9"OD URETHANE	
A	8	07 71280A	7272 DRIVE BEARING COVER	
B	8	07 71280	6458 SUPP/DRIVE BEAR MTG PLT	
all	9	15E235A	SQMACHKEY 1/2X1/2X1.75"	
all	10	15K147	HXCAPSCR 1/2-13UNC2X1 GR5 ZINC	
all	11	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	12	15U286	FLATWASHER 2"0DX17/32"IDX1/4"	
all	13	15K162	HXCAPSCR 1/2-13UNC2AX1.5 GR5 P	
all	14	15D119	HXTAPSCR 1/2-13X4 GR5 ZNC FTL	
all	15	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	16	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	17	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	18	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	19	15K060	HXCAPSCR 5/16-18UNCAX3/4 GR5 Z	
all	20	15G193	HEXLOKNUT 5/16-18UNC2A NYL STL	
all	21	15N082	FILMACSCR 8-32UNC2X3/8SS18-8	
all	23	20C012DA	RETAINCMPD ADH LCT#68060 250ML	
all	24	20C008C	THDLKSEAL LCT24241 RMUBL250CC	
all	25	03 BL1X1A	TARGET FOR PHOTOEYE 6458 DRYER	
all	26	03 BL1X1B	PHOTOEYE BRACKET 6458 DRYER	DRIVE LEFT
all	26	03 BL1X1C	PHOTOEYE RT SIDE BRKT 6458 DRY	DRIVE RIGHT
all	27	5N0C03AG42	NPT NIP 1/8X3 TBE GALSTL SK40	
all	28	5SCC0CBE	NPT COUP 1/8 BRASS 125# 103A-A	
all	29	54M015	GREASEFIT 60X36/60X44 1610BL	
all	30	53A031B	BODY-EL90MALE.25X1/8 #269C-42B	
all	31	60E004TC	TUBING NYL(NAT)1/4"ODX.17ID	
all	32	53A501	TUBE INSERT .163"OD #63PT-4-40	
all	33	53A500	SLEEVE DELRIN 1/4"OD#60PT-4	
all	34	53A059A	NUT 1/4"BR.HOLYOKE AND #61A-4	
all	35	53A007B	BODYFEMCON.25X.25COMP#B66A-4B	
all	36	5SL0EBEC	NPTELB 90DEG STRT 1/4 BRASS125	
all	37	15U280	FL+WASHER(USS STD)1/2 ZNC PL+D	
all	38	5SB0E0CBEO	NPTHEXBUSH 1/4X1/8 BRASS 125#	
all	39	54M005	GRSFITADPSTR#5405-01-02 1/4-28	

Guide Roller Assembly

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R 6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R 7272TG1L/R

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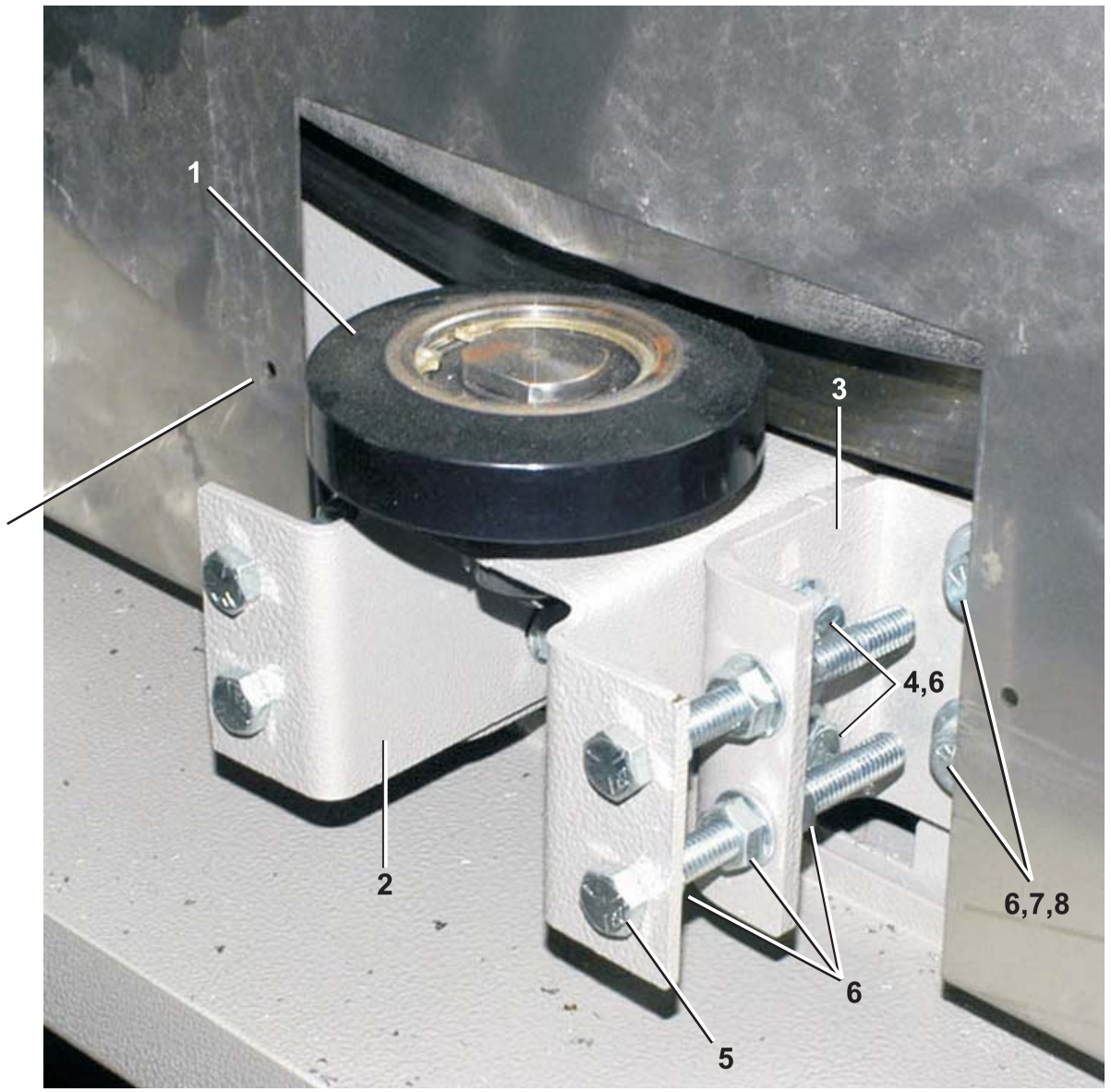

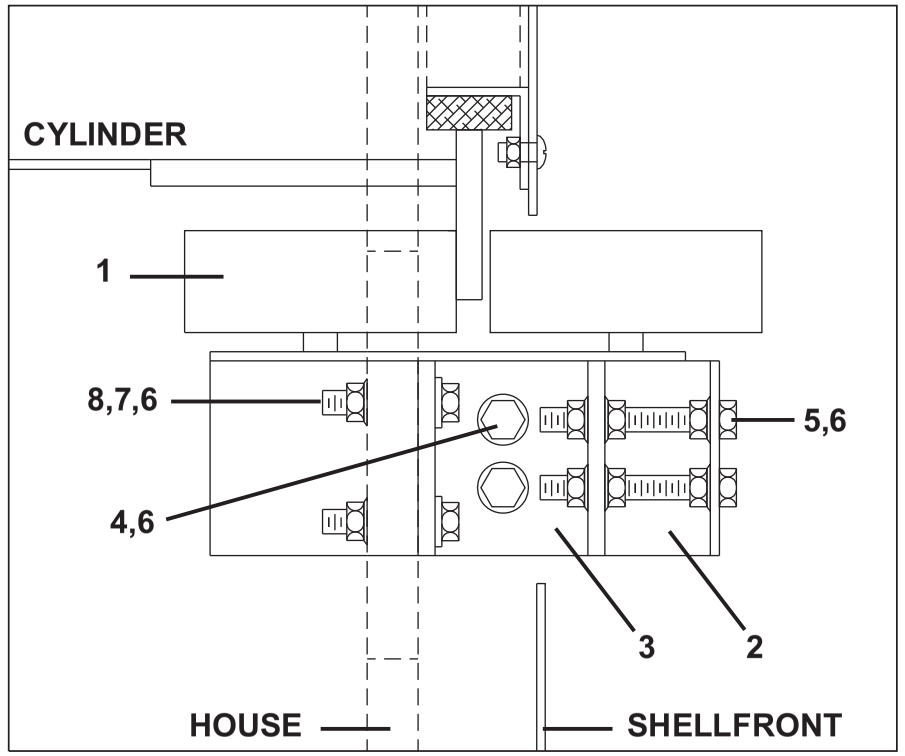

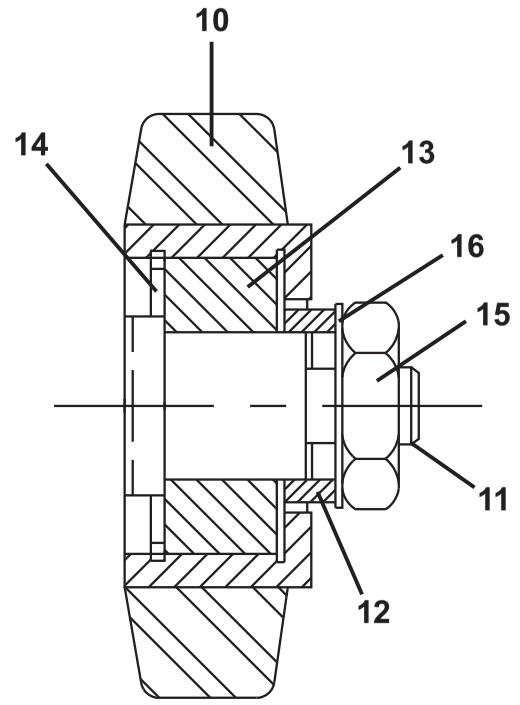

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Parts List—Guide Roller Assembly

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A77GB010	6458 GUIDE ROLLER ASSY=DRYER	5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R 6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R
	B	A78GB001	72" GUIDE ROLLER ASSY	7272TG1LR
			----------COMPONENTS----------	
A	1	A75GB003B	*4" GUIDE ROLLER WHEEL ASSY	
B	1	A77GB003	5880 GUIDE ROLLER WHEEL ASSY	
A	2	07 50219	BRKT GUIDE ROLLER MOUNT	
B	2	07 80150	7272 GUIDE ROLLER MOUNT	
A	3	07 50218	BRKT SMALL GUIDE ROLLER	
B	3	07 80100	72" GUIDE ROLLER BRKT	
all	4	15K092Z	HEXFLGSCR 3/8-16X1 GR5 ZINC	
all	5	15B107	HEXTAPBOLT 3/8-16UNC2X3+1/2 ZN	
all	6	15G198	HXFLGNUT 3/8-16 ZINC	
all	7	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	8	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
A	10	60C502A	4" GUIDE ROLLER 1.50 BORE	
B	10	60C503A	5" GUIDE ROLLER 1.38 BORE	
all	11	07 50053	SHAFT=GUIDE ROLLER DRYER	PART OF 10
all	12	07 50054	BUSHING=GUIDE ROLLER DRYER	PART OF 10
all	13	54A075	BALBRG NTN#63205LLBC3/C5 1/BX	PART OF 10
all	14	17B017B	INTRETRING IND#3000X206-ST-ZD	PART OF 10
all	15	15G245	HXFINJAMNUT 3/4-10UNC2 SS18-8	PART OF 10
all	16	06 20070	LOCKING WASHER ROLLER SHAFT	PART OF 10
All	17	W7 50129	COVER GUIDE ROLLER WELDED	

BIPD6M06 (Published) Book specs- Dates: 20100326 / 20100326 / 20100326 Lang: ENG01 Applic: PD6 PDJ PDP

Main Air Blower Wheel Replacement

NOTICE P1: "Remove electrical power from the machine" means use the necessary safety procedure for your location. In the USA, this is the OSHA lockout/tagout (LOTO) procedure. More local requirements can also apply.

The two methods to replace the blower wheel are: 1) from below, through the dryer housing or 2) from above. Replacement from below is simpler and the method explained in this document.

1. Resources Needed

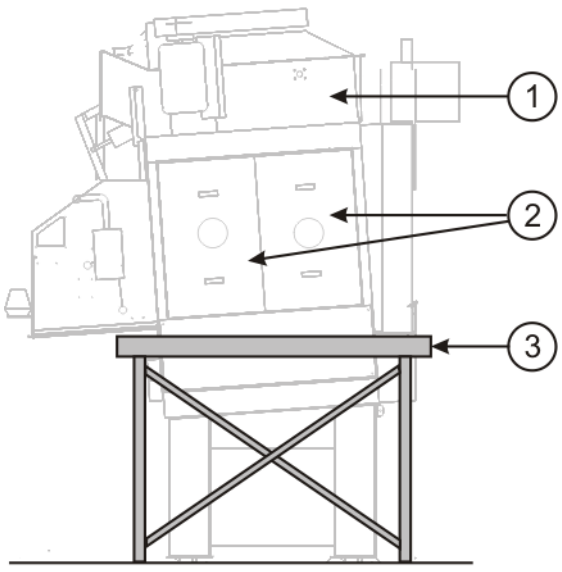
- Two maintenance personnel to handle the blower wheel overhead. Blower wheels range in weight from about 50 to 90 pounds (23 to 41 Kg).
- A sturdy scaffold or platform to work at the level of the dryer housing (see Figure 1)
- Dryer service manual (see the Blower Installation..." document)
- Replacement blower wheel from Milnor
- Tools such as a cold chisel and hammer to loosen/tighten the bearing lock nut
- Tools to remove, install, and torque 3/8" hex head bolts
- Two 3/8" x 16 x 3.5", full thread, high strength, hex head bolts to use as jack bolts
- A 2x4 wood stud to use for blocking

2. Preparations

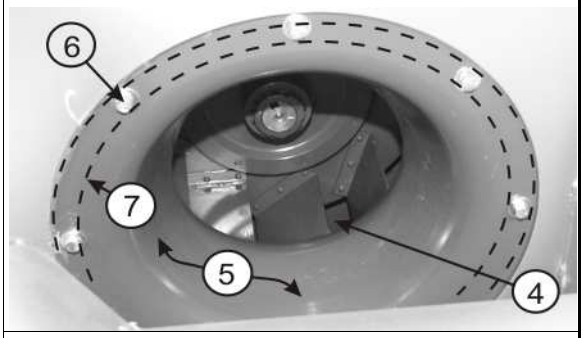
1. Familiarize yourself with the blower assembly (see the service manual).
2. Set up the scaffold or platform against the blower side of the dryer as shown in Figure 1.
3. **Remove electrical power from the machine (see Notice P1).** Allow the machine to cool.
4. Remove the two access panels on the blower side of the dryer housing.

Figure 1: Preparing for the Work

Blower-side View (may be opposite hand)



View of Cone and Blower from below



Legend

1. Blower housing
2. Side panels to remove
3. Scaffold or platform to work on.
4. Blower wheel
5. Cone
6. 3/8" hex bolt, flat washer, lock washer (8)
7. Steel spacer

3. Remove the old blower wheel.

1. Refer to Figure 1. From inside the dryer housing, remove the cone (item 5) and spacer (item 7) by removing the eight bolts, flat washers, and lock washers (item 6). **Retain the bolts and washers.** With these components removed, the blower can be removed through the air passage in the dryer housing.
2. Find a location inside the dryer housing to place the 2x4 blocking. The blocking will help with installation of the new blower wheel. You will use the 2x4 as a post to hold the new blower wheel in place temporarily. Measure the needed length and cut the 2x4.

CAUTION 1: Crush hazards—In the following steps, you will handle the blower wheel overhead, inside the dryer housing. Blower wheels range in weight from about 50 to 90 pounds (23 to 41 Kg). The blower wheel may fall as soon as the bearing lock nut is removed.

- Plan your work.
- Use two personnel who are physically suited to the task.

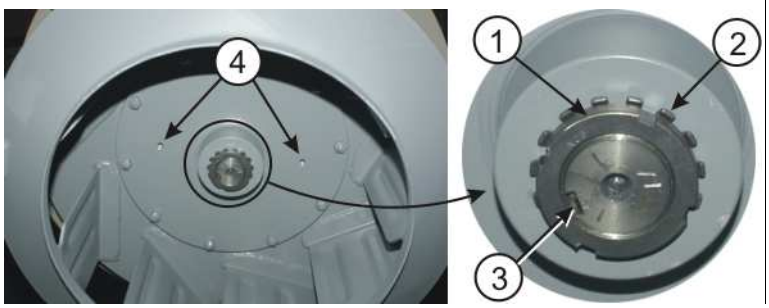
3. Refer to Figure 2. The blower wheel is held on the shaft by a bearing lock nut (item 1), a bearing lock washer (item 2), a shaft key (item 3), and a tight fit on the shaft taper. Bend the tab on the lock washer away from the groove in the lock nut. Loosen, **but do not remove** the lock nut. Tap a groove on the lock nut with a hammer and cold chisel to loosen it.
4. Refer to Figure 2. Two threaded holes on the blower wheel hub (item 4) will accept the 3/8" jack bolts. Insert both bolts until they stop against the top of the blower housing. With the bearing lock nut still attached, alternately tighten the jack bolts to push the wheel off of the shaft taper.

Tip: The blower wheel may be very tight on the taper, especially after lengthy use. Too much torque on the jack bolts can break the bolts or damage the blower housing. If you cannot coax the blower wheel loose with reasonable force, use shorter jack bolts and filler material between the end of each bolt and the top of blower housing to reduce the distance the bolts must span. For the filler material use steel plate over wood blocking.

5. When the blower wheel is held on the shaft by the lock nut alone, support the weight of the blower wheel. While supporting the blower wheel, remove the lock nut and lock washer. Carefully manauver the old blower wheel off of the shaft and out of the dryer housing. The shaft key may fall out when the blower wheel is removed. **Retain all attachment hardware.**

Figure 2: Blower Wheel Attachment to Shaft

View of the Blower Wheel and the End of the Shaft



Legend

1. Bearing lock nut
2. Bearing lock washer
3. Shaft key
4. Threaded holes for jack bolts

4. Install the new blower wheel.

1. If the shaft key came off of the shaft, replace it. It should fit tightly in the groove on the shaft.

2. Put the 2x4 blocking within reach. Carefully manauver the new blower wheel into position and onto the shaft. While supporting the weight of the blower wheel, wedge the 2x4 blocking under the blower wheel to hold it in place temporarily.
3. Replace the bearing lock washer and lock nut on the shaft. When the lock nut is reliably on the shaft, remove the 2x4 blocking.
4. Tighten the lock nut to tighten the blower wheel on the shaft taper. Use a hammer and cold chisel to tighten the lock nut. When the face of the lock nut is flush with the end of the shaft, the blower wheel is sufficiently tight.
5. Bend a tab on the lock washer into a groove on the lock nut to lock it in place.
6. Place the cone and spacer in position on the air opening below the blower wheel. The top of the cone fits into the bottom opening in the blower wheel with **very little play**. Move the cone around until it seats into the blower wheel. While holding the fully seated cone in place, loosely install the attachment bolts, flat washers, and lock washers.
7. The bolt holes in the cone permit some sideways movement of the cone. Move the cone around to feel the fit inside the blower wheel. By feel, try to center the cone in the blower wheel. Tighten the bolts to 31 foot-pounds (42 Nm) in an alternating pattern.
8. Apply machine power. With the dryer side panels still removed, stand clear of the machine and use the manual controls to run the main blower. Check for abnormal vibration or noise.

Tip: If the blower wheel rubs against the cone, you will probably hear a metalic rubbing sound. This is normally not serious and the noise should dissipate after the machine is in operation for a while and the cone wears down. If the noise is objectionable, remove electrical power from the machine (see Notice P1) and adjust the cone position as explained above.

9. If any unusual noise or vibration persists, consult Milnor Technical Support.
10. Replace the side panels and return the dryer to operation.

— End of BIPD6M06 —

Blower Installation & Exhaust Duct to Rear

6458TG1L,TG1R, TS1L,TS1R 6464TG1L,TG1R, TS1L,TS1R

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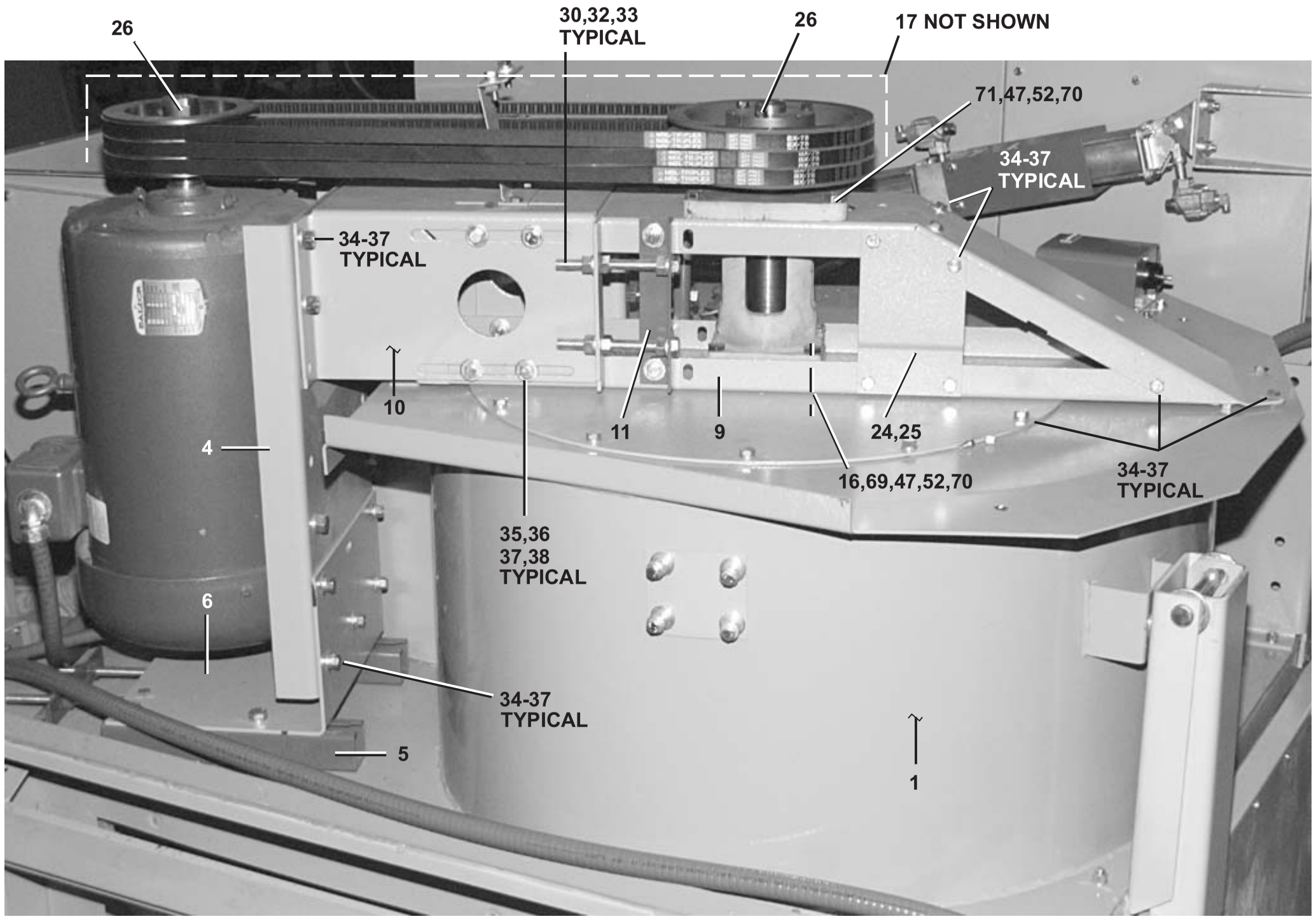

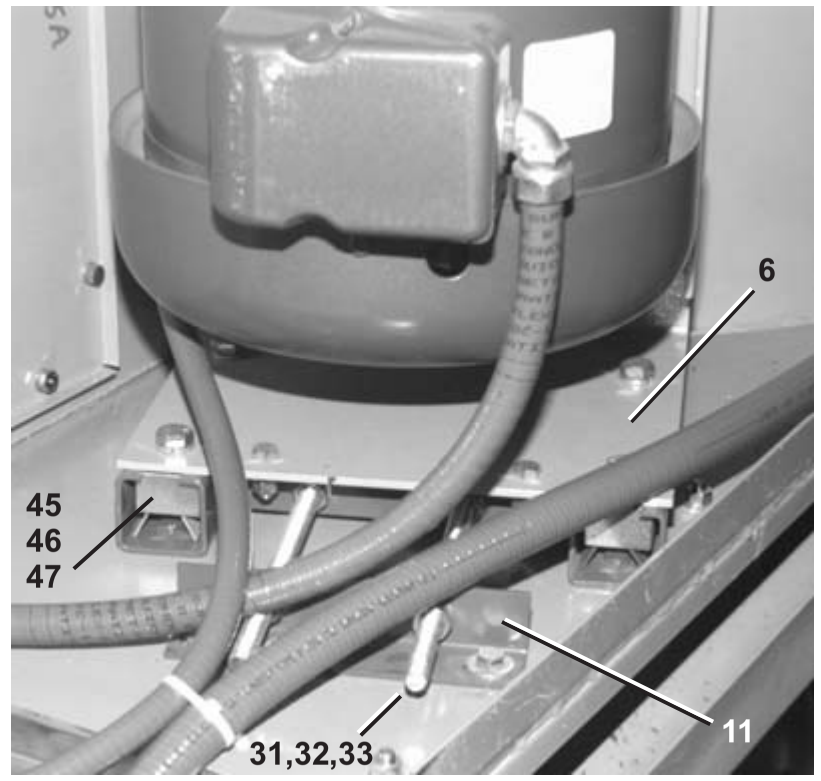

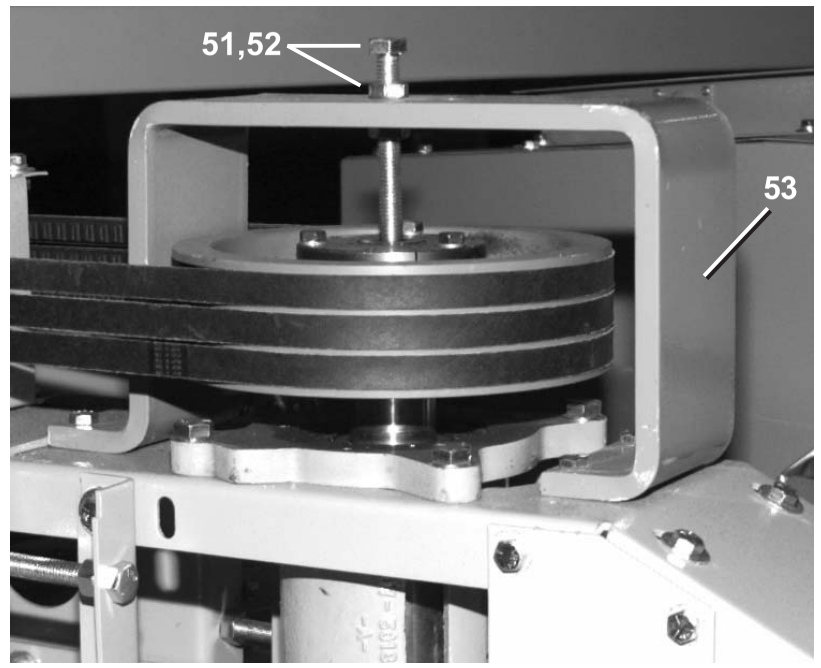

BEARING SHIPPING BRACKET

Blower Installation & Exhaust Duct to Rear

6458TG1L,TG1R, TS1L,TS1R 6464TG1L,TG1R, TS1L,TS1R

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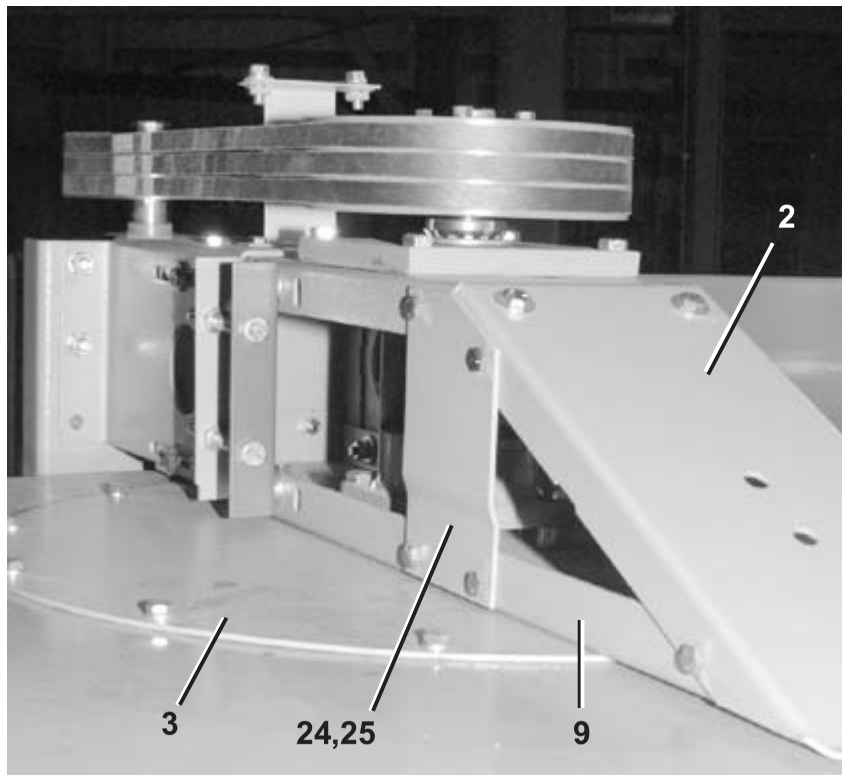
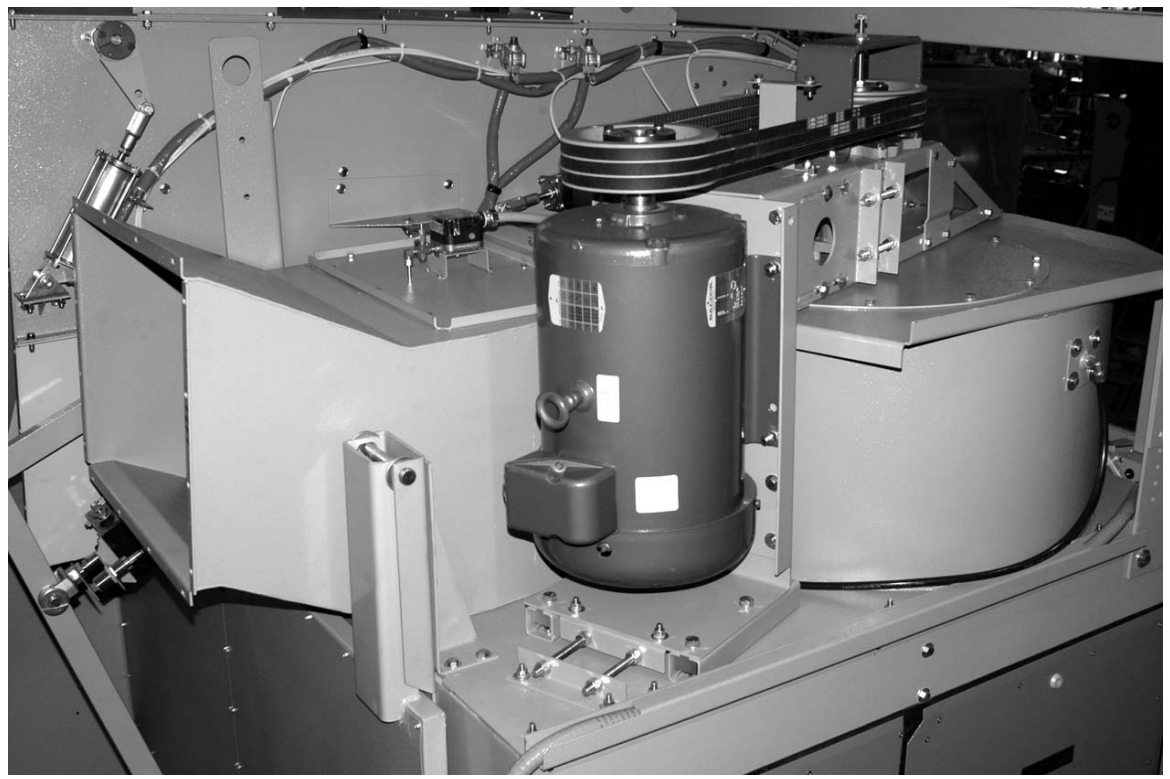
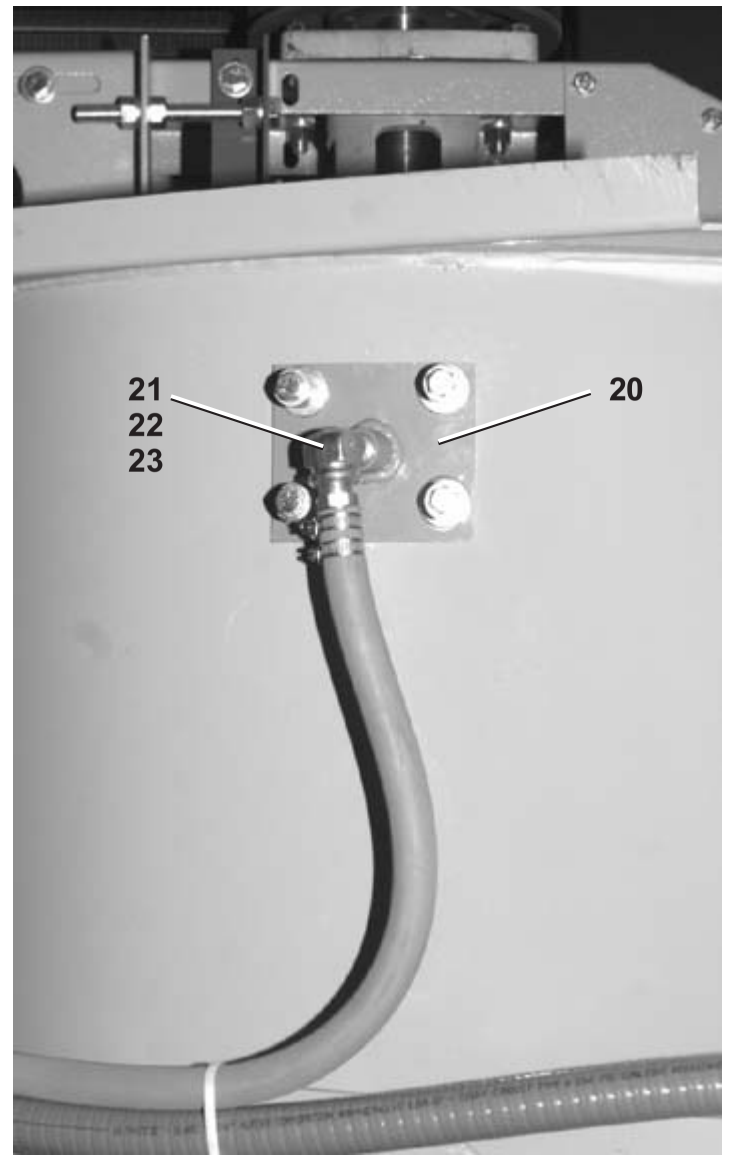
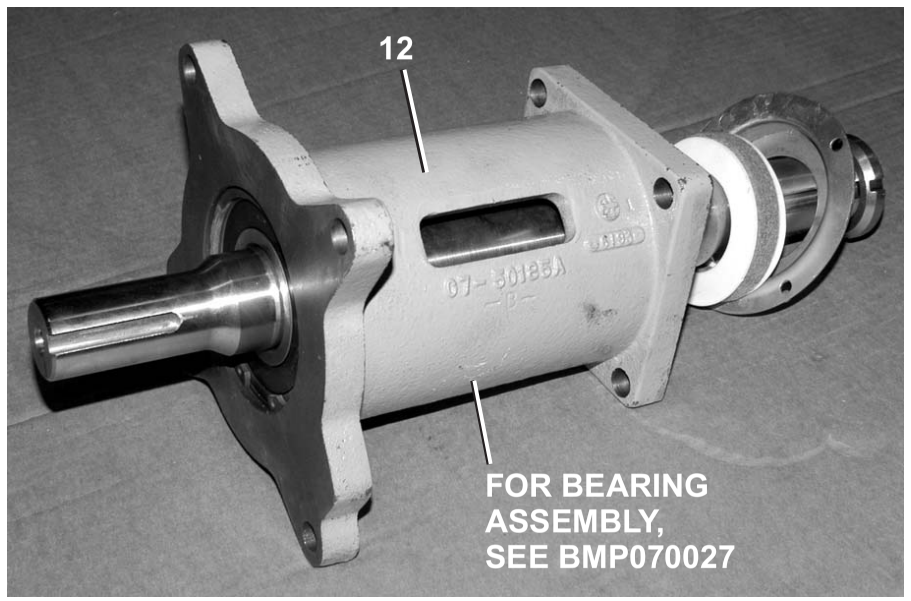
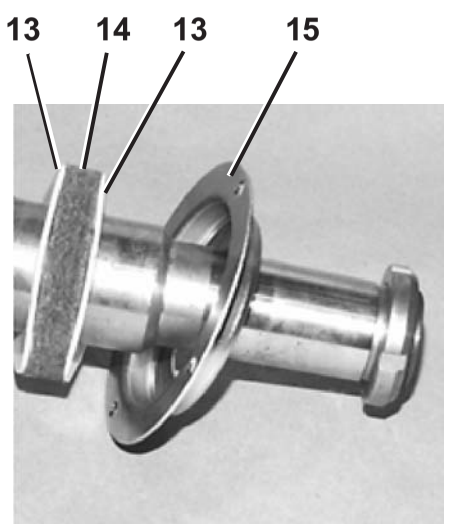


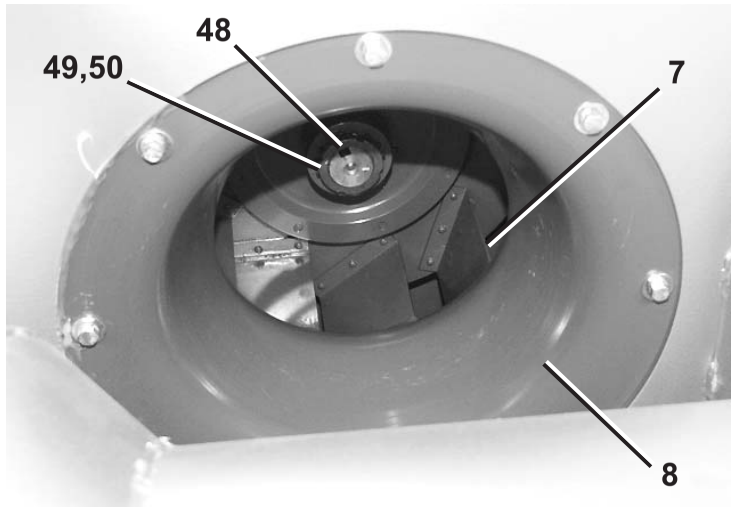




BLOWER BLOW DOWN







UNDERSIDE OF BLOWER

Blower Installation & Exhaust Duct to Rear

6458TG1L,TG1R, TS1L,TS1R 6464TG1L,TG1R, TS1L,TS1R

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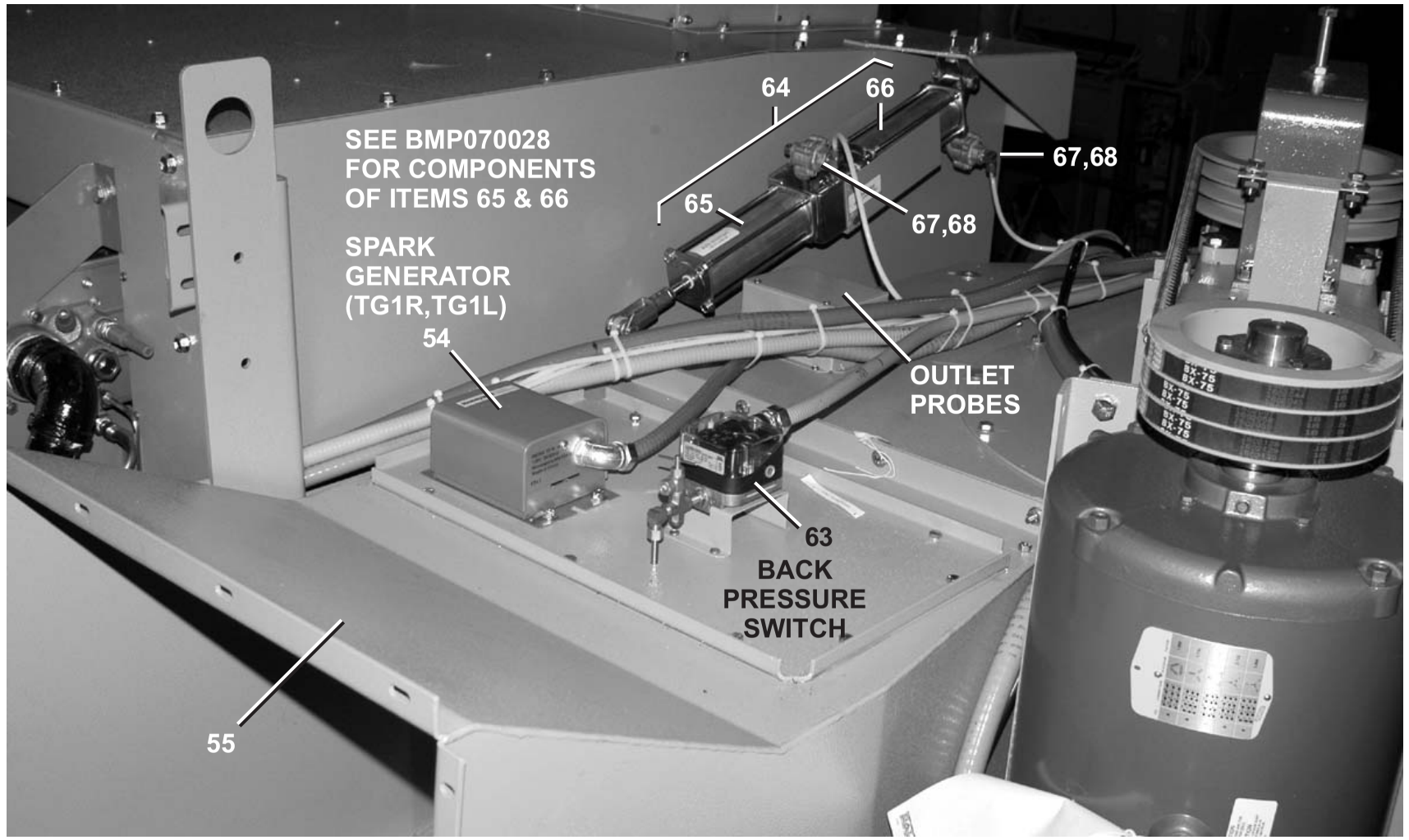
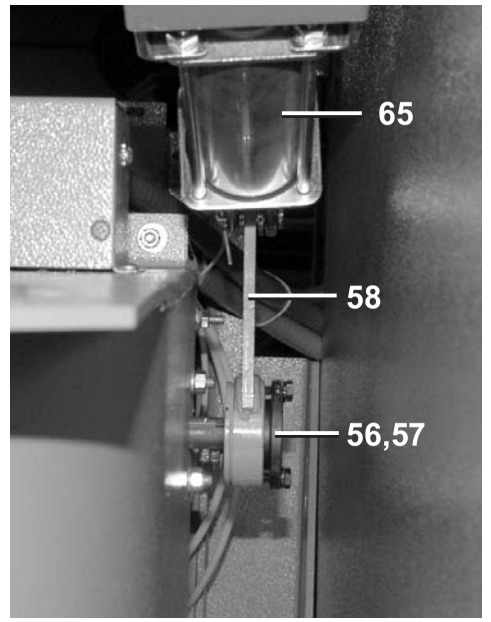
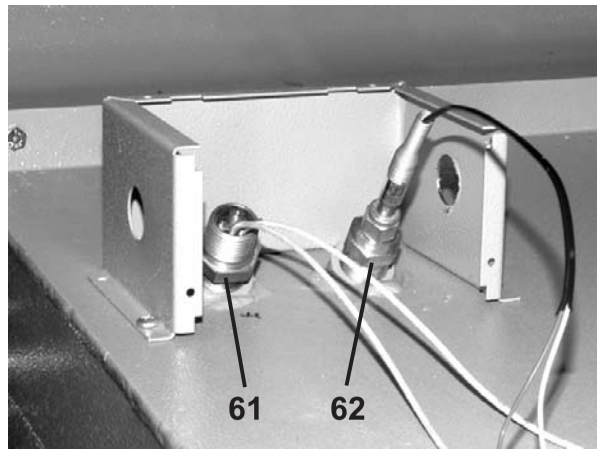
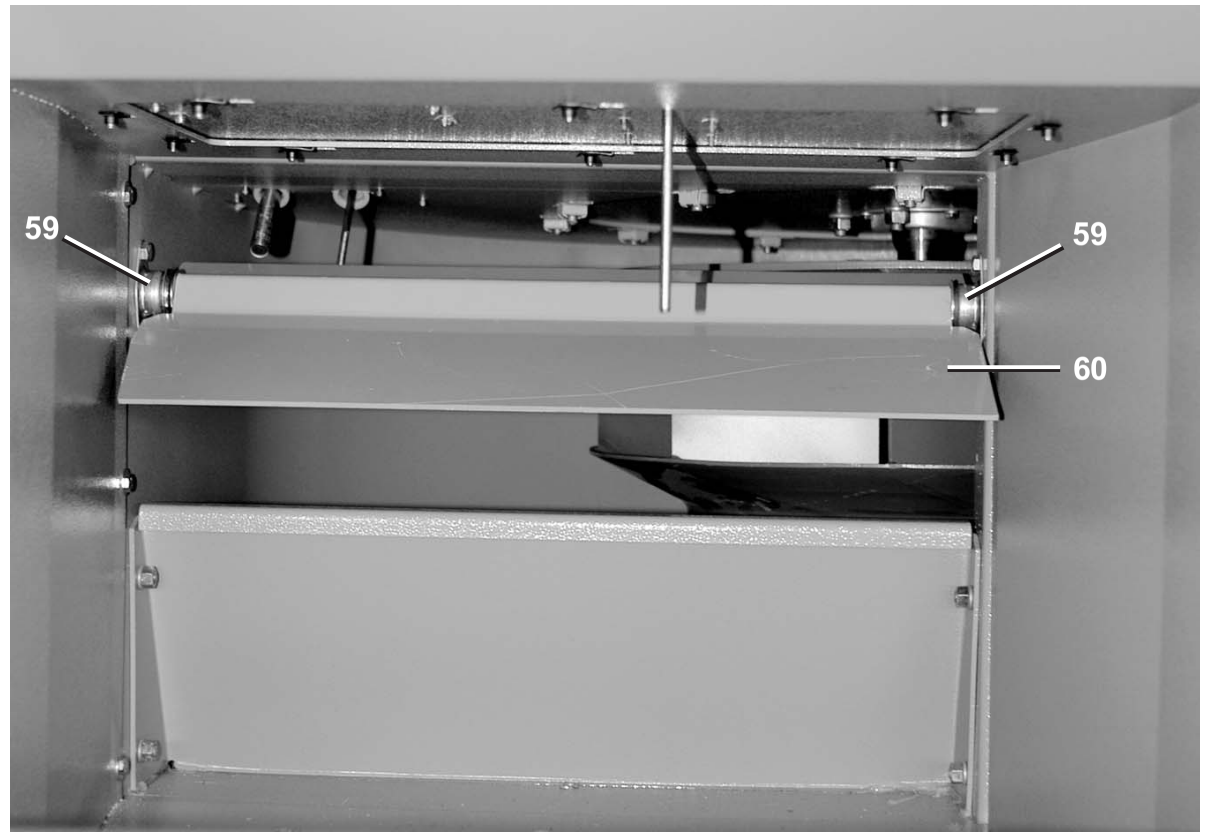






OUTLET PROBES

BLOWER EXHAUST DUCT



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Parts List—Blower Installation

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
----------	----------	----------	----------ASSEMBLIES----------	----------
	A	A77BA006	6458 BLW ASSY LEFT=HORZ EXST	
----------	----------	----------	----------COMPONENTS----------	----------
all	1	W7 71075	6458 - 22.25" BLOWER WELDMENT	
all	2	07 50254	CHANNEL=BRG MT UPPER BLOWER	
all	3	07 71089	6458 BLOWER TOP PLATE	
all	4	07 71092	6458 BLOWER MTR UPPER BKT	
all	5	07 70140	+5880 BLOWER MOTOR RAIL	
all	6	07 71094	6458 BLOWER MTR LOWER BKT	
all	7	13E222CW	BLOWER WHL 22+1/4"CL-3(CW)	
all	8	13E222CONE	FUNNEL/INLET CONE #222 WHL.	
all	9	07 50255	CHANN BRG MT LOWER BLOWER	
all	10	07 70137	+5880 MAIN BLOWER MTR SPT BKT	
all	11	07 50252	ANGLE=BELT ADJ BLOWER MOTOR	
all	12	A75BG004	BLW BRG HSE ASSY=2001354	
all	13	07 50288	BLOWER SHAFT TEFLON SEAL	
all	14	07 50287	BLOWER SHAFT FELT SEAL	
all	15	07 50286	BLOWER SHAFT SEAL CAP	
all	16	07 50184	BLWR BRG HSE SPACE SH=00143	
all	17	A77BA002	*5880 BLOWER BELT GUARD ASSY	
all	18	07 50267	BRACKET=MAIN BLW BELT GUARD	
all	19	07 50262	BRACKET=MAIN BLW BELT GUARD	
all	20	W7 60265	*LINT NOZZLE PLATE WLMT	
all	21	51E505	HOSESTEM BRASS 3/8H XMPT	
all	22	12P014SZ	TUBE CLAMP 1/2"ST/Z TIN#4886S	
all	23	90A025	COPPERTUBE 1/2"X.032X50' EA=1	
all	24	07 50257	20" BLOWER BKT SUPPORT LEFT	
all	25	07 50257A	20" BLOWER BKT SUPPORT RT	
all	26	15E195	SQMACHKEY 3/16X1+1/2 NOTAPER&H	
all	30	15K202	HEXCAPSCR 1/2-13UNC2AX5 GR5 ZI	
all	31	15D122C	HEXTAPSCR 1/2-13UNCK 8.5 FLTHD	
all	32	15G230	HXNUT 1/2-13UNC2B SAE ZINC Gr2	
all	33	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	34	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	35	15G205	HXNUT 3/8-16UNC2B ZINC GR2	

Parts List, cont.—Blower Installation Con't.

Used In	Item	Part Number	Description	Comments
all	36	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	37	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	38	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	39	15N140	RDMACSCR 10-24UNC2AX3/4 ZINC G	
all	40	15G125	HXMACHSCRNUT 10-24UNC2B ZINC G	
all	41	15U150	LOCKWASHER MEDIUM #10 ZINCPL	
all	42	15K039	HXCAPSCR 1/4-20UNC2AX3/4 GR5 Z	
all	43	15U180	LOCKWASHER MEDIUM 1/4 ZINCPL	
all	44	15G165	HXNUT 1/4-20UNC2BSAE ZC GR2	
all	45	02 19283	NUT=1/2-13UNCX1+1/2SQ SPEC	
all	46	15K151	HXCAPSCR ½-13UNC24X1.25 Gr5	
all	47	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	48	15E225	SQMACHKEY 3/8X1+1/2 NOTAPER-NO	
all	49	56AHN08	N08 BEARING LOCKNUT	
all	50	56AHW108	TW108 BEARING LOCKWASHER	
all	51	15D119	HXTAPSCR 1/2-13X4 GR5 ZNC FTL	
all	52	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	53	07 50187	BLOWER BEARING HOLDER	
A	54A	09X175	IGNITION TRANSFRMER Q624A1014B	U.S.
B	54B	09X175A	IGNITION TRANSFRMER CE ECLIPSE 10012234	CE (EUROPE)
B	54BB	09X175AB	MOUNTING KIT FOR 09X175A - ECLIPSE	CE (EUROPE)
all	55	W7 71137	6458 BLW EXHST WELD=LF=HORZ	
all	55	W7 71137A	6458A BLW EXHST WELD=RT=HORZ	
all	56	15E195	SQMACHKEY 3/16X1+1/2 NOTAPER&H	
all	57	56Q0PH	3/4" BUSH VPUL TYPE H,D, OR QT	
all	58	W7 71098B	6458 BLWR DAMP ARM WELD HORZ	
all	59	54E015	FLGMTBRG 3/4 BORE BRZ #FLB12	
all	60	W7 71097	6458 BLWR DAMP WELD HORZ LF	
all	61	30R0225P	THERMOSW.FENWAL CLOSE @ 225F	
all	62	30R0055PP	* DRYER OUTLET T/C PROBE ASSY	
all	63	A77BP001	6458 BACK PRESSURE SWIT ASSY	
all	64	A77AC003	6458 MAIN DAMP CYL ASSY	
all	65	A75 01300A	6458 AIR CYL. DAMP=2"STROKE	
all	66	A75 01200A	6458 AIR CYL. DAMP=3" STROKE	
all	67	96M055	DELTROL QUICK EXHAUST VLV.1/4"	
all	68	5SP0GFFSSV	NPT PLUG 3/8 SQSOLIDVENTBLKSTL	
all	69	15K191	HXCAPSCR 1/2-13UNC2AX2.5 GR5 Z	
all	70	15U243	FLTWASHER 7/8ODX33/64IDX16GA Z	

Blower & Exhaust Duct Installation

7272TG1R,TG1L

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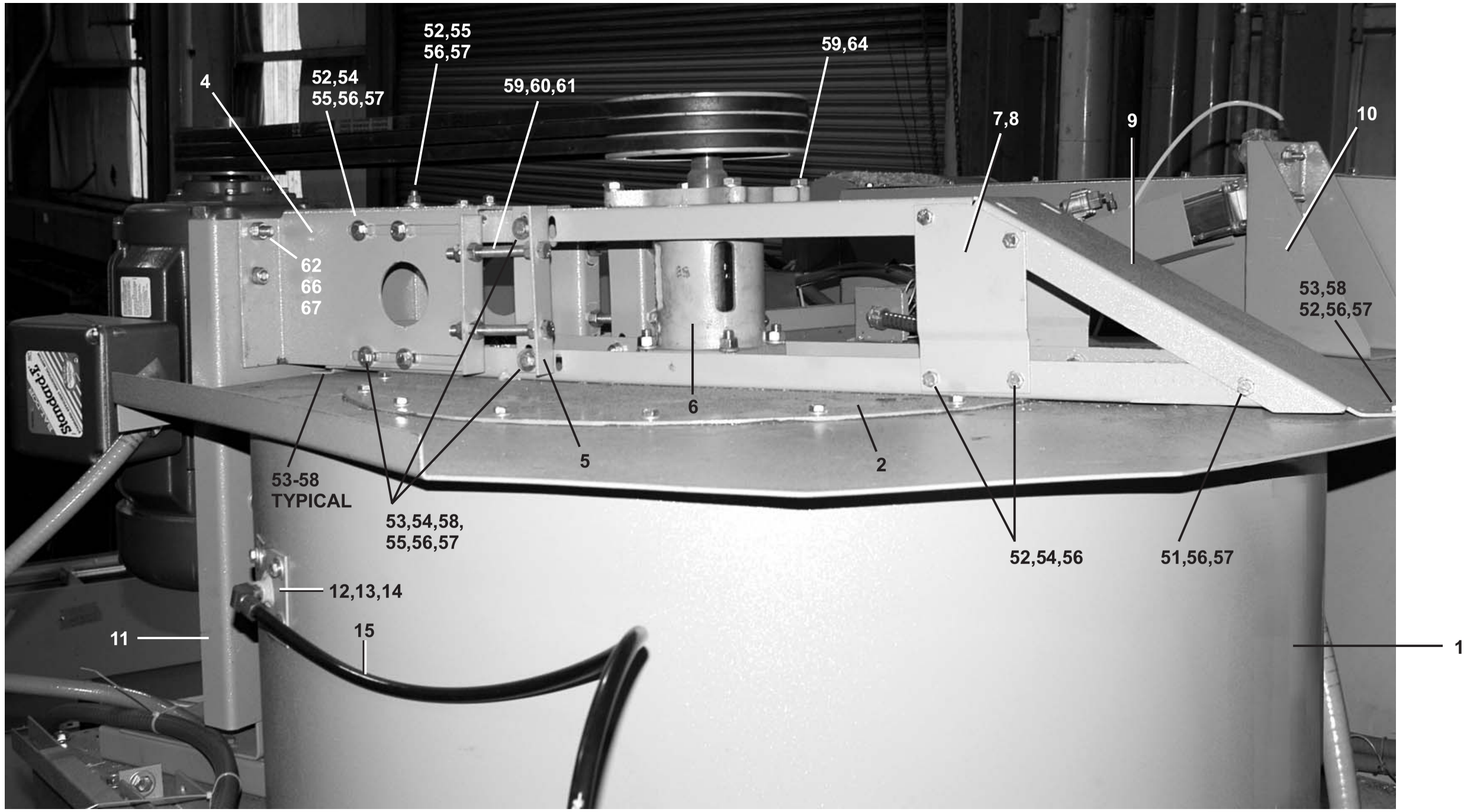
Litho in U.S.A.



Blower & Exhaust Duct Installation

7272TG1R,TG1L

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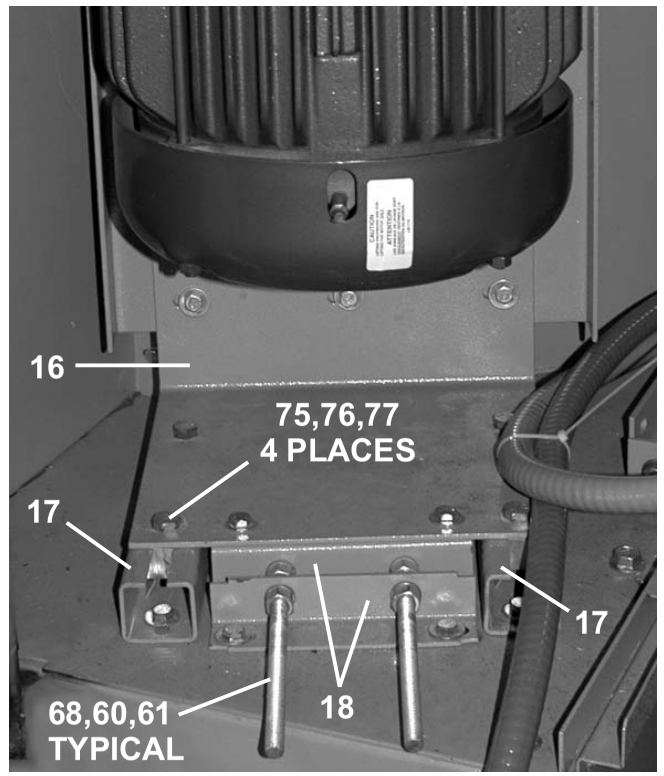
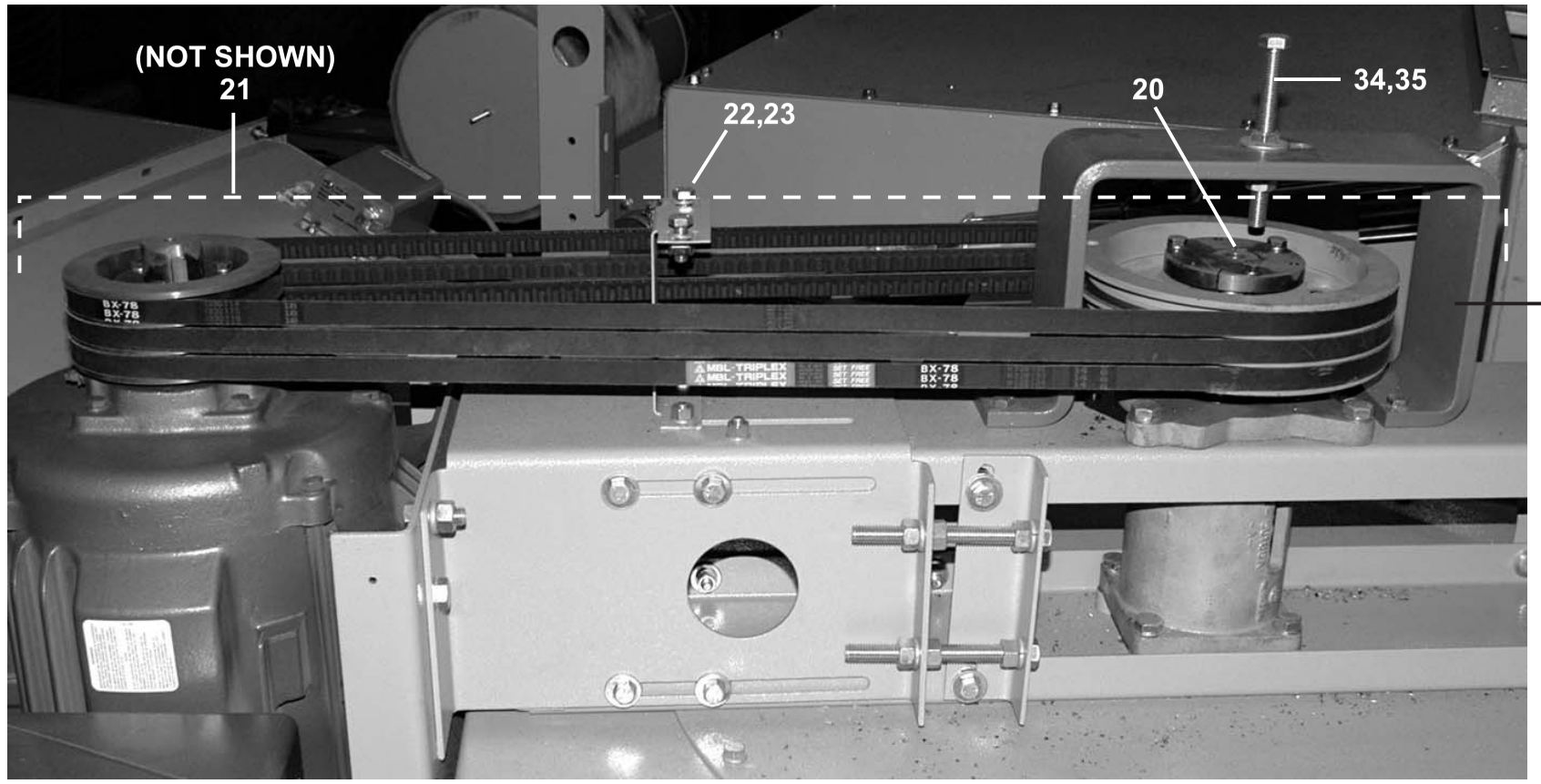
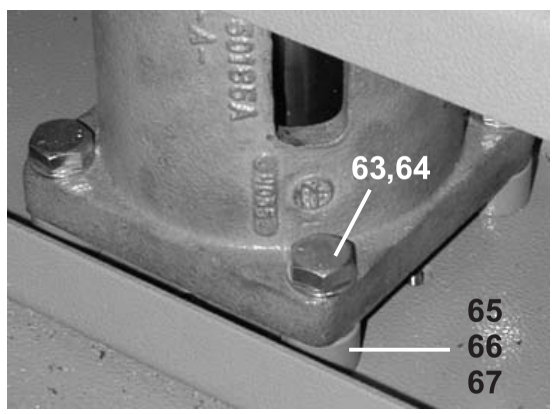
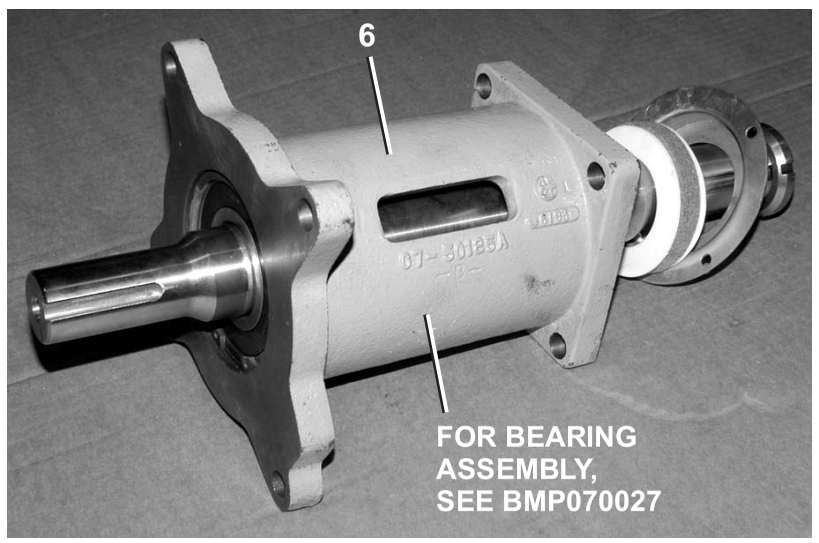
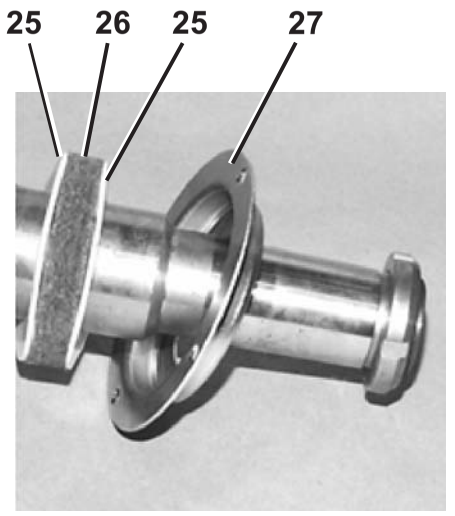
Litho in U.S.A.



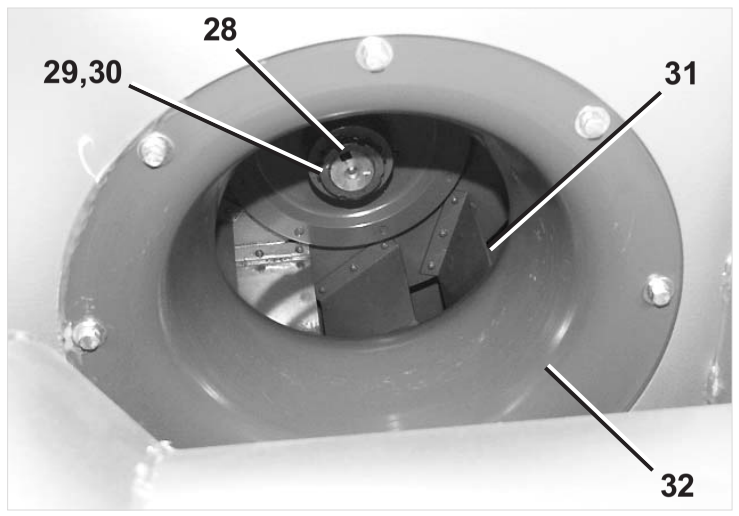








UNDERSIDE OF BLOWER



Blower & Exhaust Duct Installation

7272TG1R,TG1L

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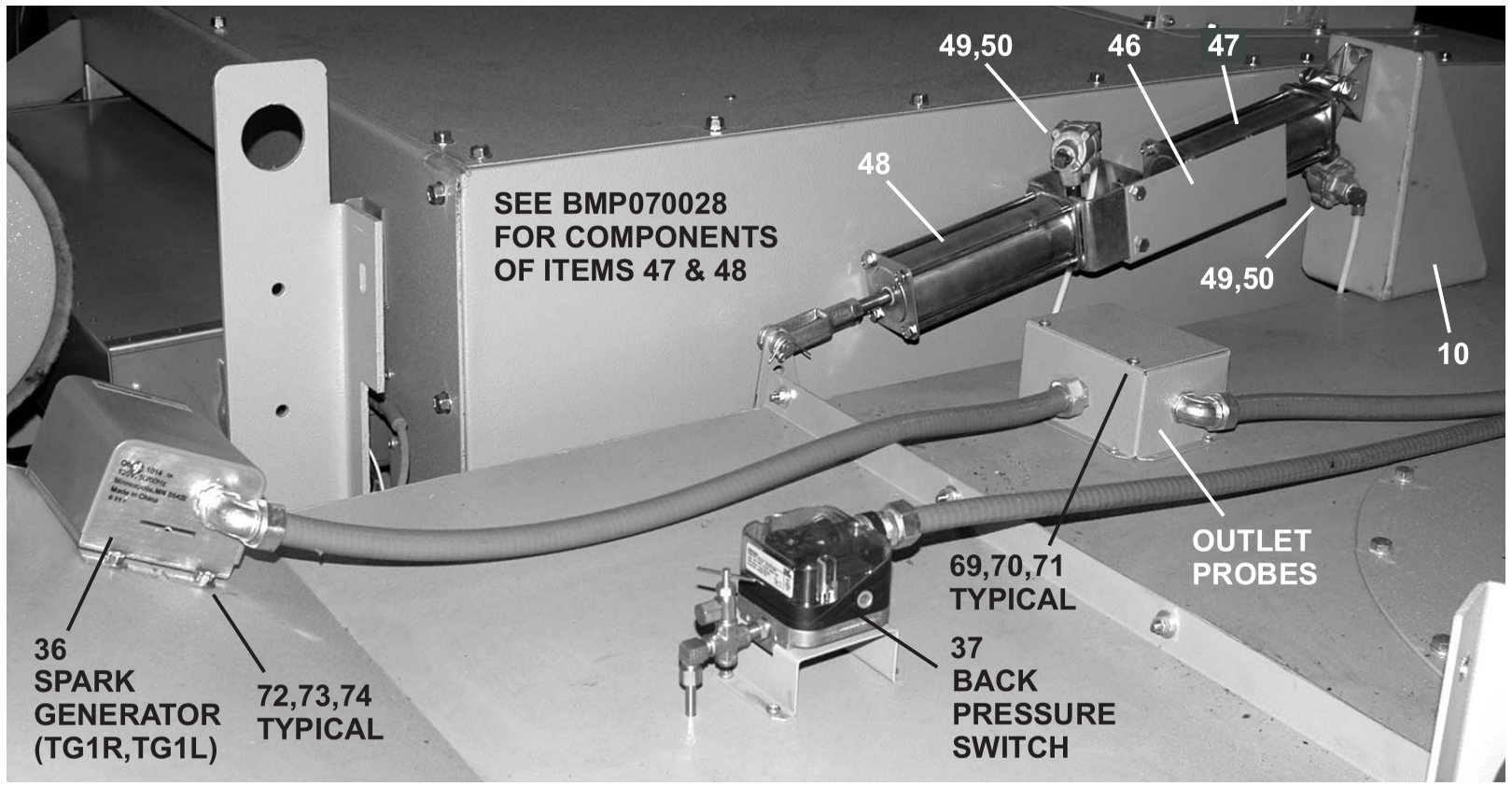
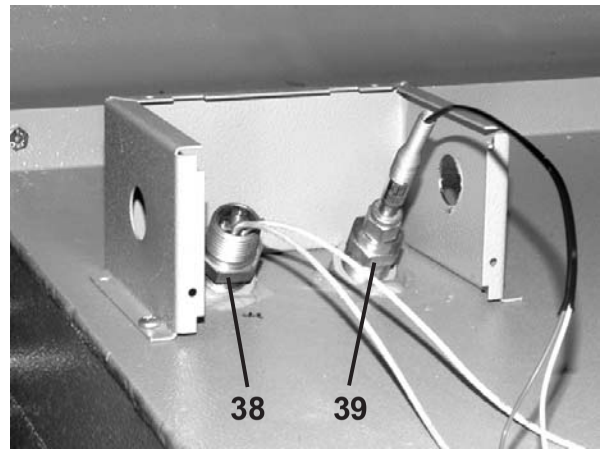
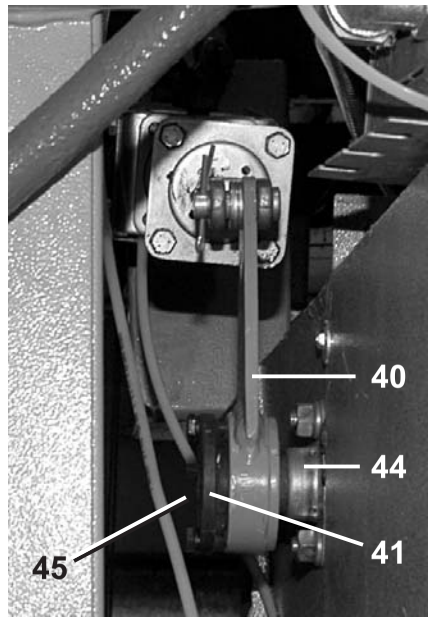
Litho in U.S.A.

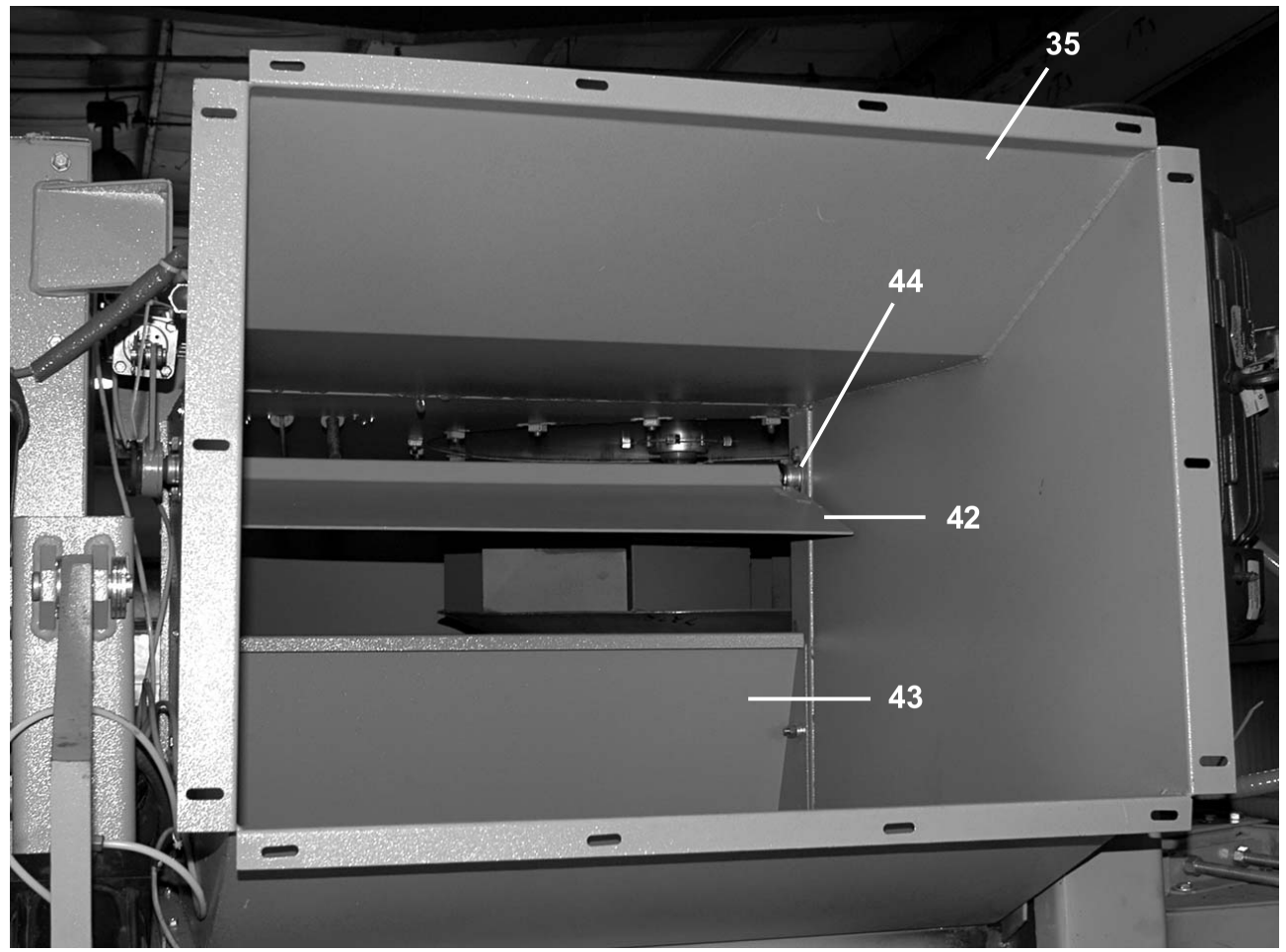




OUTLET PROBES



BLOWER EXHAUST DUCT



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Parts List—Blower & Exhaust Duct Installation

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A79BA006	7272 BLW ASSY LEFT=HORZ	
	B	A79BA006A	7272 BLW ASSY RIGHT=HORZ	
			----------COMPONENTS----------	
A	1	W7 81075	7272=27" BLOWER WELDMENT	
B	1	W7 81075A	7272A=27" BLOWER WELDMENT	
all	2	07 81073	7272 BLOWER TOP PLATE	
all	3	07 81122	7272 CHANN=BRG MT LOWER BLWR	
all	4	07 81119	7272 MAIN BLOWER MTR SPT BKT	
all	5	07 81120	7272 BELT ADJUSTMENT BLOWER	
all	6	A75BG004	BLW BRG HSE ASSY=2001354	
all	7	07 50257	20"BLOWER BKT.SUPPORT L.	
all	8	07 50257A	20"BLOWER BKT.SUPPORT R.	
all	9	07 81121	7272 BRG MT UPPER BLOWER	
A	10	07 81143	7272 REAR EXH MAIN CLY SUPP	
B	10	07 81143A	7272A REAR EXH MAIN CLY SUPP	
all	11	07 81092	7272 BLOWER MTR UPPER BKT	
all	12	W7 60265	*LINT NOZZLE PLATE WLMT	
all	13	51E507A	HOSESTEM BRASS 3/8MPX1/2HOSEID	
all	14	53A045	EL90 COMP 1/2X3/8 #69A-8C	
all	15	60E005F	TUBING NYL.BLK.1/2"ODX.375ID	
all	16	07 71094	6458 BLOWER MTR LOWER BKT	
all	17	07 70140	+5880 BLOWER MOTOR RAIL	
all	18	07 50252	ANGLE=BELT ADJ BLOWER MOTOR	
all	20	15E212	STDSQMACHKEY 5/16X2+1/2 C1018	
all	21	A79BA002	7272 BLOWER BELT GUARD ASSY	
all	22	17N070P	RETAIN NUT 3/8-16 #S10100-27	
all	23	07 50262	BRACKET=MAIN BLW BELT GUARD	
all	24	07 50187	BLOWER BEARING HOLDER	
all	25	07 50288	BLOWER SHAFT TEFLON SEAL	
all	26	07 50287	BLOWER SHAFT FELT SEAL	
all	27	07 50286	BLOWER SHAFT SEAL CAP	
all	28	15E225	SQMACHKEY 3/8X1+1/2 NOTAPER-NO	
all	29	56AHN08	N08 BEARING LOCKNUT	
all	30	56AHW108	TW108 BEARING LOCKWASHER	
all	31	13E270CCW	BLOWER WHL. 27" CL-3 (CCW)	
all	32	13E270CONE	FUNNEL/INLET CONE #222 WHL.	
all	33	15D119	HXTAPSCR 1/2-13X4 GR5 ZNC FTL	
all	34	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
A	35	W7 81137	7272 BLW EXHST WELD=LF=HORZ	
B	35	W7 81137A	7272A BLW EXHST WELD=LF=HORZ	
	36A	09X175	IGNITION TRANSFRMER Q624A1014B	U.S.
	36B	09X175A	IGNITION TRANSFRMER CE ECLIPSE	CE (EUROPE)
	36AB	09X175AB	MOUNTING KIT FOR 09X175A - ECLIPSE	CE (EUROPE)
all	37	A77BP001	6458 BACK PRESSURE SWIT ASSY	
all	38	30R0225P	THERMOSW.FENWAL CLOSE @ 225F	
all	39	30R0055PP	* DRYER OUTLET T/C PROBE ASSY	
A	40	W7 81098	7272 BLOWER DAMPER ARM WELD	
B	40	W7 81098A	7272A BLOWER DAMPER ARM WELD	
all	41	56Q0PH	3/4" BUSH VPUL TYPE H,D, OR QT	
A	42	W7 81096	7272 BLOWER AIR DAMPER WELD	
B	42	W7 81096A	7272A BLOWER AIR DAMPER WELD	
all	43	07 81090	7272 BLOWER CUTOFF PLATE	
all	44	54E015	FLGMTBRG 3/4 BORE BRZ #FLB12	
all	45	15E195	SQMACHKEY 3/16X1+1/2 NOTAPER&H	
all	46	A75AC002A	AIR CYL MAIN DAMPER BLOWER	
all	47	A75 01200	AIR CYL. DAMPER = 3"STROKE	
all	48	A75 01300	AIR CYL. DAMPER = 2"STROKE	
all	49	96M055	DELTROL QUICK EXHAUST VLV.1/4"	
all	50	5SP0GFFSSV	NPT PLUG 3/8 SQSOLIDVENTBLKSTL	
all	51	15K085	HEXCAPSCR 3/8-16UNC2AX3/4 GR5	
all	52	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	53	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	54	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	55	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	56	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	57	15G205	HXNUT 3/8-16UNC2B ZINC GR2	

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Parts List—Bloer & Exhaust Duct Installation

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Used In	Item	Part Number	Description	Comments
all	58	15U343	FLATWASH 1X25/64X1/8 ZINC	
all	59	15K202	HXCAPSCR 1/2-13UNC2AX5 GR5 ZIN	
all	60	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	61	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	62	15K173A	HXCAPSCR 1/2-13UNC2AX1.75 GR5	
all	63	15K191	HXCAPSCR 1/2-13UNC2AX2.5 GR5 Z	
all	64	15U243	FLAWASHER 7/8ODX33/64IDX16GA Z	
all	65	07 50184	BLWR BRG HSE SPACE SH=00143	
all	66	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	67	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	68	15D122C	HEXTAPSCR 1/2-13UNCK 8.5 FLTHD	
all	69	15N140	RDMACSCR 10-24UNC2AX3/4 ZINC G	
all	70	15G125	HXMACHSCRNUT 10-24UNC2B ZINC G	
all	71	15U150	LOCKWASHER MEDIUM #10 ZINCPL	
all	72	15K039	HXCAPSCR 1/4-20UNC2AX3/4 GR5 Z	
all	73	15U180	LOCKWASHER MEDIUM 1/4 ZINCPL	
all	74	15G165	HXNUT 1/4-20UNC2BSAE ZC GR2	
all	75	02 19283	NUT=1/2-13UNCX1+1/2SQ SPEC	
all	76	15K151	HXCAPSCR 1/2-13UNC24X1.25 GR5	
all	77	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
.				

Blower Bearing Assembly

5040, 5050, 580040, 58058, 6458, 6464, 7272 Dryers, Dryvac01/02

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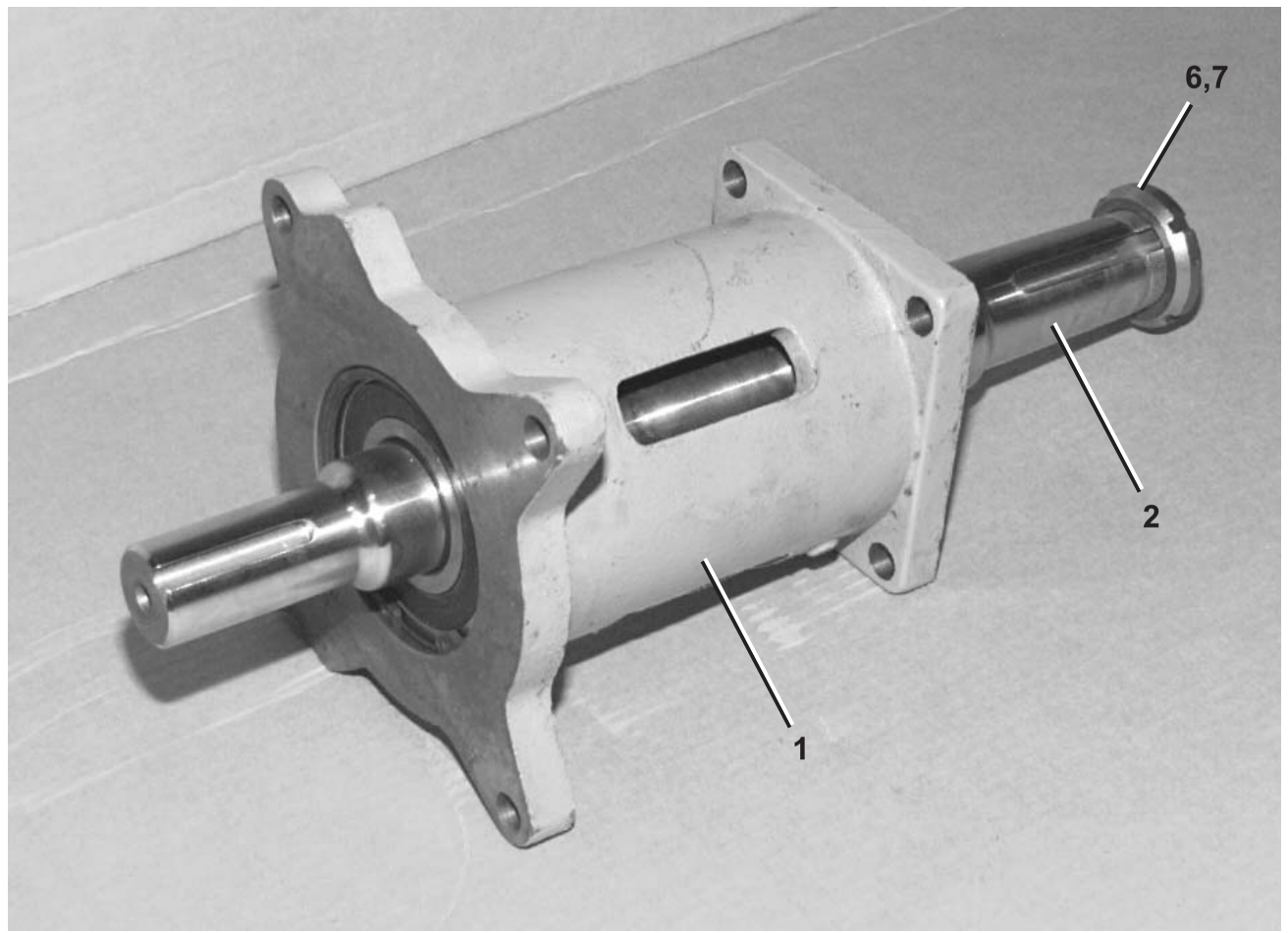

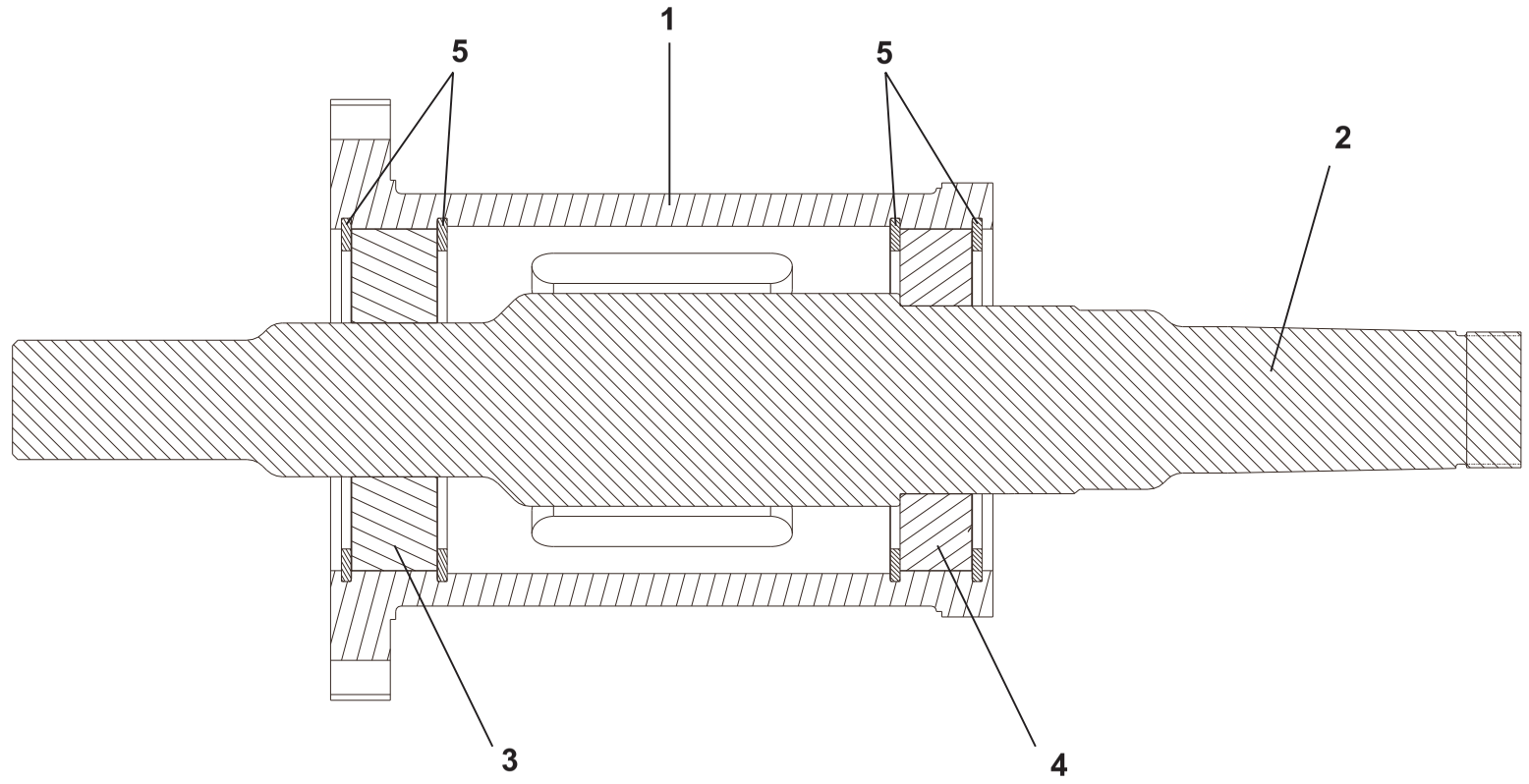

1. Pressing against the inner race, press bearing (item 4) on the shaft.

2. Install one (item 5) into the inner groove at each end of item 1.

3. Pressing against the outer race, press bearing (item 4) with its shaft in housing (item 1) with guide at bearing location (item 3) to keep shaft and housing concentric.

4. Pressing bearing (item 3) against both its inner and outer race, press bearing (item 3) into housing and onto shaft, backing up bearing (item 4) at both its inner and outer race.

5. Install retaining rings (item 5) into outer grooves.

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Parts List—Blower Bearing Assembly

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Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A75BG004	BLW BRG HSE ASSY=2001354	
			----------COMPONENTS----------	
all	1	X7 50185	BLOWR BRG HSE MACH=SNAP RING	
all	2	07 50186	BLOWER SHAFT=SNAP RING	
all	3	54A073	BALBRG NTN#6309LLBC3/5C 1/BX	
all	4	54A072	BALLBEAR NTN #6211BC3/5C	
all	5	17B014A	INTER RETRING 3000-393	
All	6	56AHN08	N08 BEARING LOCKNUT	
All	7	56AHW108	TW108 BEARING LOCKWASHER	

Gas Assemblies 5

Natural Gas Schematic, CSA

5040TG2L,TG2R 5050TG1L,TG1R 6458TG1L,TG1R 6464TG1L,TG1R 7272TG1L,TG1R

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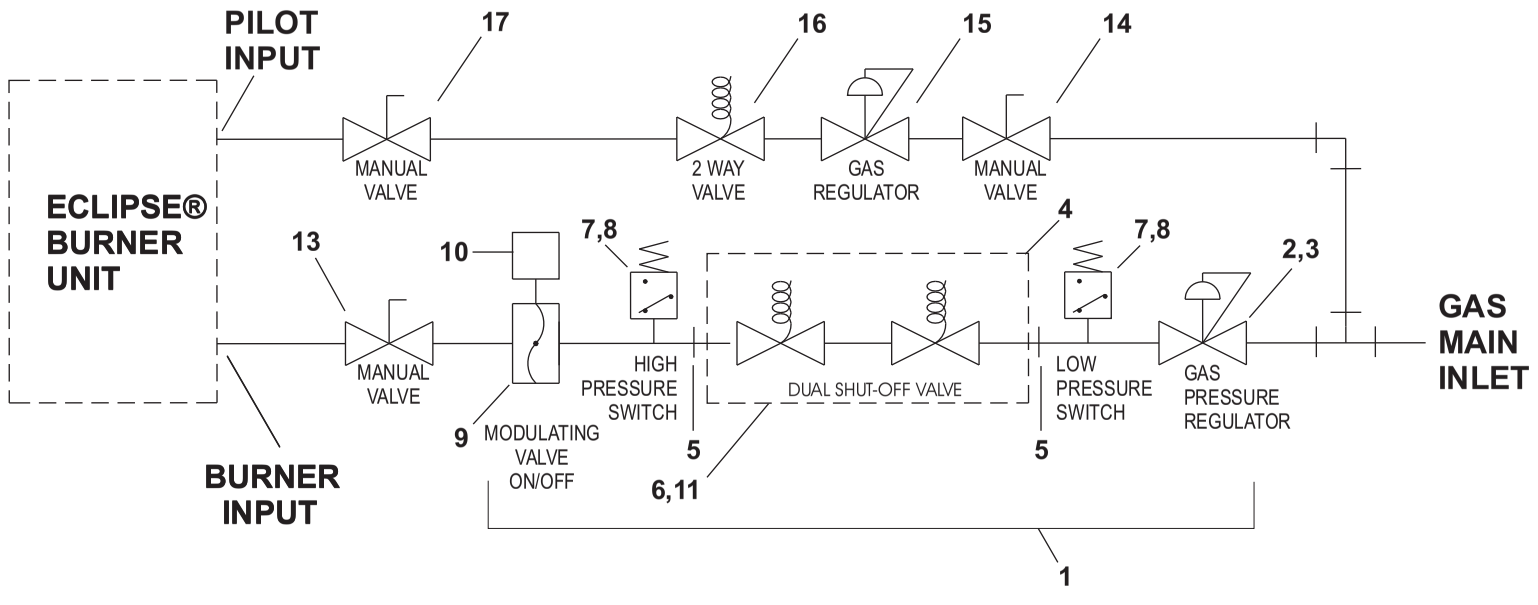
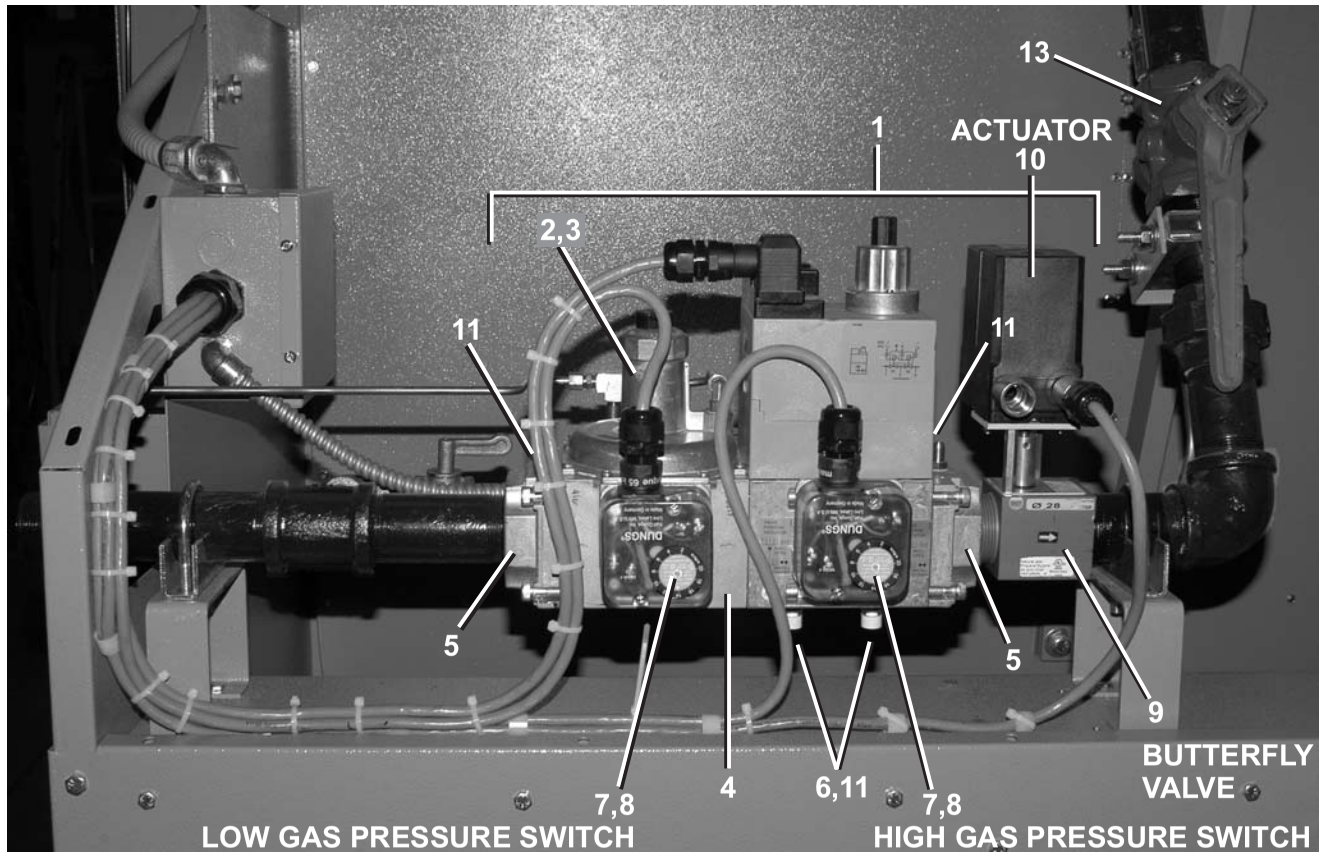
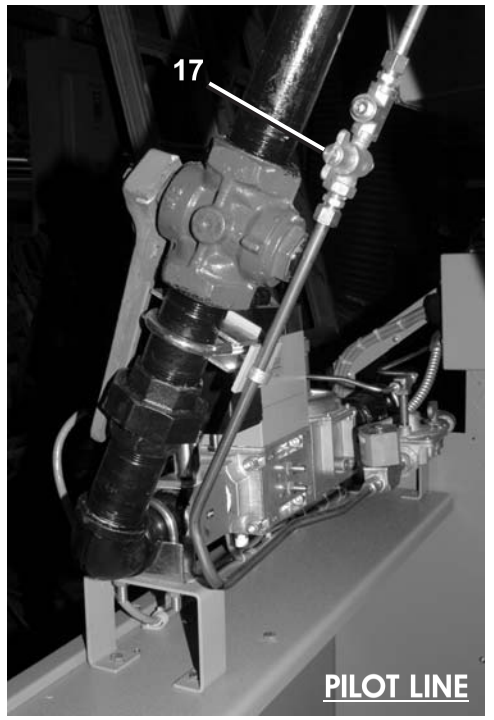
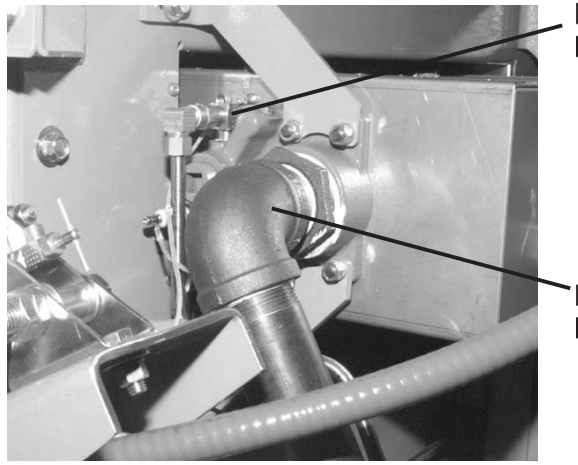


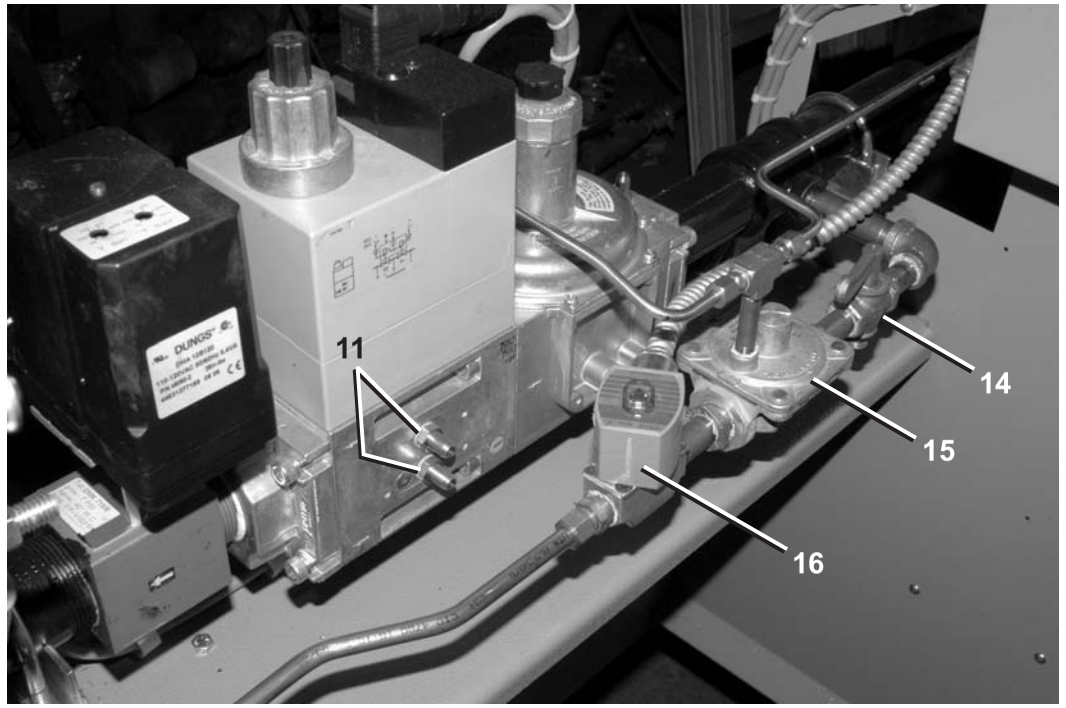


MAIN GAS INLET



PILOT LINE





PILOT LINE

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Litho in U.S.A.

Parts List—Natural Gas Schematic CSA

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
----------ASSEMBLIES----------				
	A	A74VG052	5040 NAT 2V-NOVENT=CSA RT	5040TG2R,505TG1R
	B	A74VG052A	5040 NAT 2V-NOVENT=CSA LEFT	5040TG2L,5050TG1L
	C	A77VG052	6458 NAT 2V-NOVENT=CSA LF	6458TG1L,6464TG1L
	D	A77VG052A	6458 NAT 2V-NOVENT=CSA RT	6458TG1R,6464TG1R
	E	A79VG052	7272 NAT 2V-NOVENT=CSA LF	7272TG1L
	F	A79VG052A	7272 NAT 2V-NOVENT=CSA RT	7272TG1R
----------COMPONENTS----------				
A	1	A74VG009	1.0 VALTRAIN 1MILBTU RT TO LF	CONTAINS ITEMS 2-11
B	1	A74VG009A	1.0 VALTRAIN 1MILBTU LF TO RT	CONTAINS ITEMS 2-11
C	1	A77VG020	1.5"VALTRAIN 2MILBTU LF TO RT	CONTAINS ITEMS 2-11
D	1	A77VG020A	1.5"VALTRAIN 2MILBTU RT TO LFT	CONTAINS ITEMS 2-11
E	1	A79VG020	2.0"VALTRAIN 3MILBTU LF TO RT	CONTAINS ITEMS 2-11
F	1	A79VG020A	2.0"VALTRAIN 3MILBTU RT TO LFT	CONTAINS ITEMS 2-11
ABCD	2	96SD010	FRI712 GAS PRESS/REG #D230475	
EF	2	96SD032	2"NPT FRS 720/6 GAS REGULATOR	
ABCD	3	96SD011	FRI MOUNTING KIT #D219968	
AB	4	96SD020	DMV-DLE 702/6 DUAL VALVE	
CD	4	96SD012	DMV-DLE 703 DUAL SHUTOFF VALVE	
EF	4	96SD028	DMV-DLE 525/11 DUAL SHUTOFFVAL	
AB	5	96SD003	1"NPT FLANGE ONLY #D222369	
CD	5	96SD013	1-1/2" FLNG ONLY #D222003	
EF	5	96SD029	2"FLANGE ONLY #D232407	
all	6	96SD014	VISUALVAL POSINDIC #217-665	
all	7	96SD015	GAO-A2-4-5 HI&LO GASPRESSWITCH	
ABCD	8	96SD016	MTGKIT FOR HI GAS PRESS SWITCH	
AB	9	96SD005A	DMK 710-/6 1"NPT BUTTERFLY 21M	
CD	9	96SD017	DMK715/6 1-1/2"NPT BUTRFLY 28M	
EF	9	96SD030	DMK 720/6 2"NPT BUTTERFLY VAL	
all	10	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
AB	11	96SD008	G 1/8"TEST NIPPLE #D219008	
CD	11	96SD019	G 1/8" TEST NIPPLES(PRESSTEST)	
EF	11	96SD008	G 1/8"TEST NIPPLE #D219008	
AB	13	96G100C	1"GAS STOP VAL W/RELUB	
CD	13	96G150C	1.5"GAS STOP VAL W/ RELUB	
EF	13	96G200	2" GAS STOP VAL W/ RELUB	
all	14	96G030	3/8GAS STOP VAL W/CKLEVER HDL	
all	15	96J507	1/2"INLET GASREG 7"W.C-MAXITRL	
all	16	96TCC2BA37	3/8" N/C 2WAY 120V50/60C VALVE	
all	17	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL	
.				

Natural Gas Schematic, Europe and Australia

64058TG1L,TG1R 6464TG1L,TG1R

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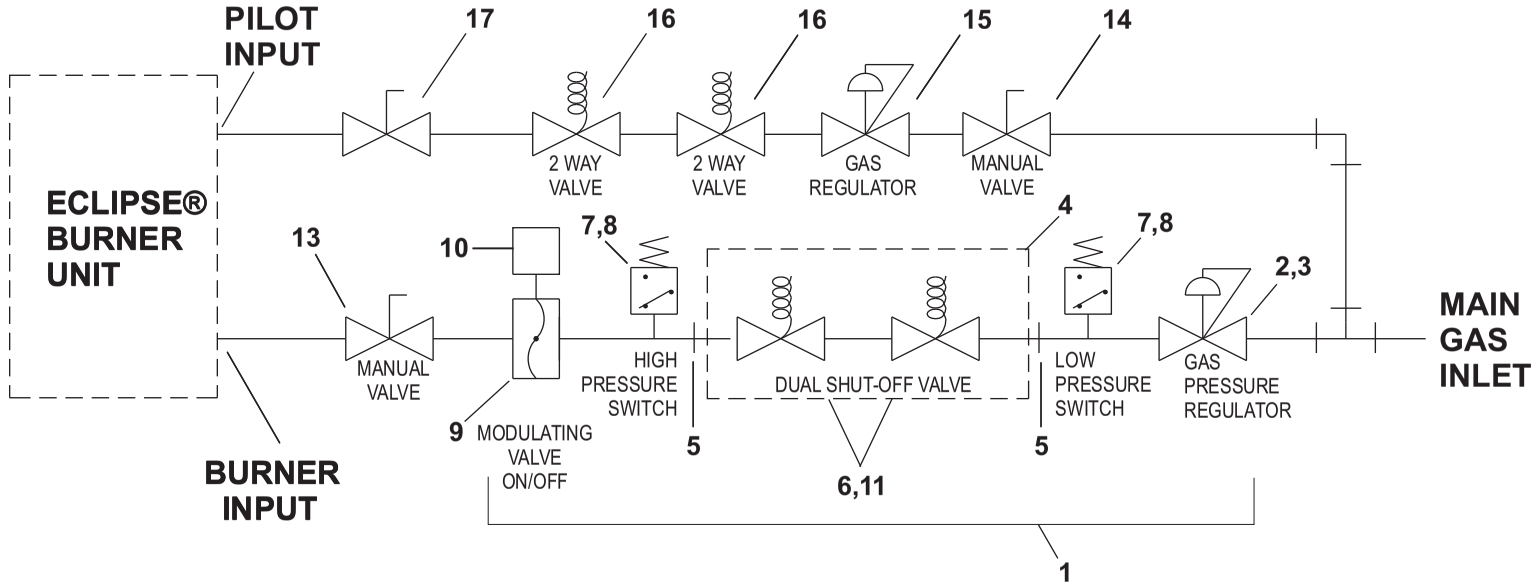
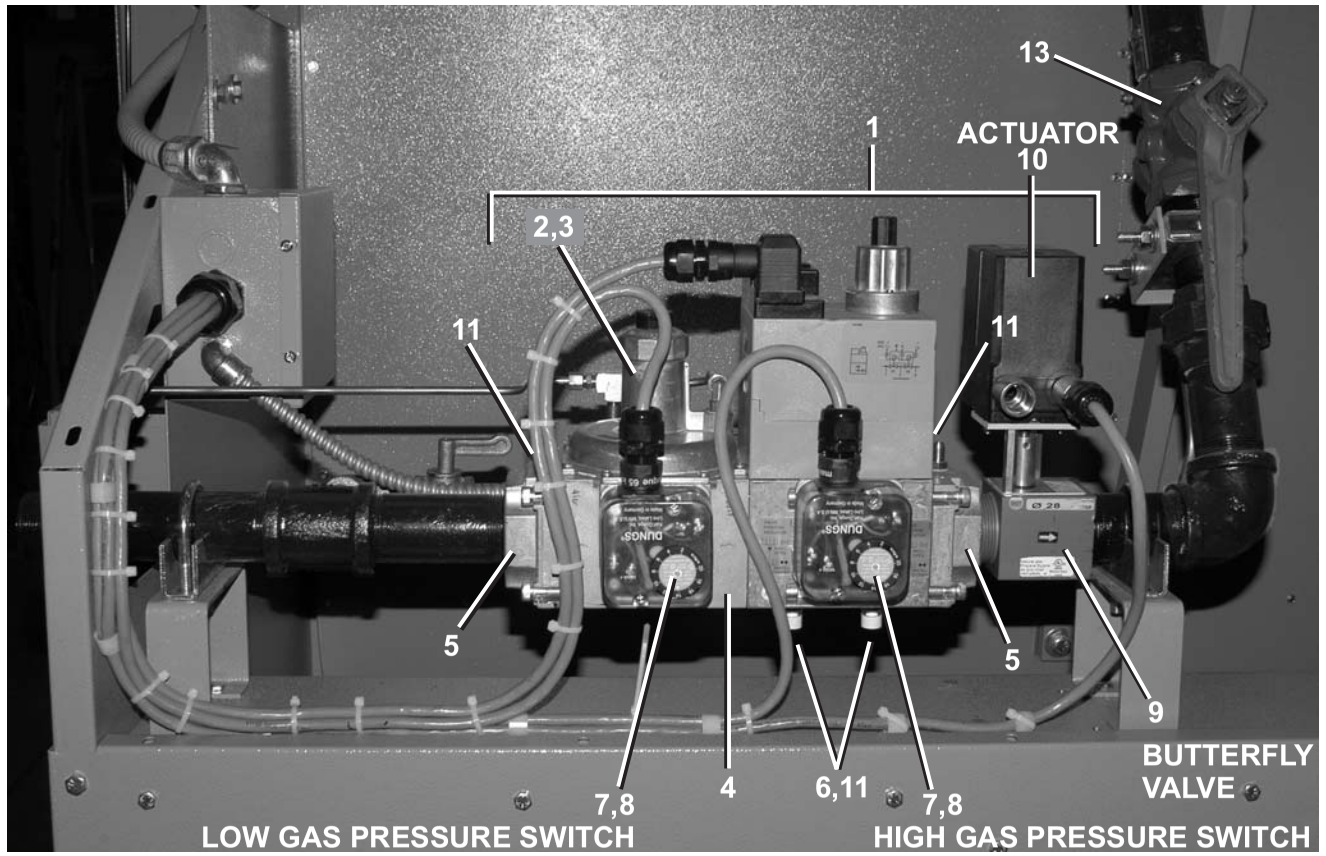
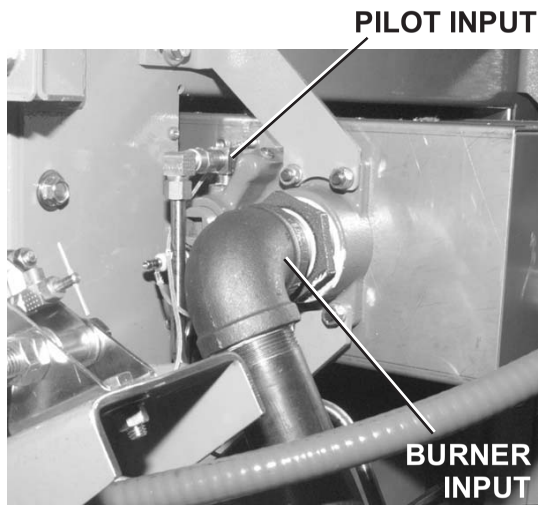
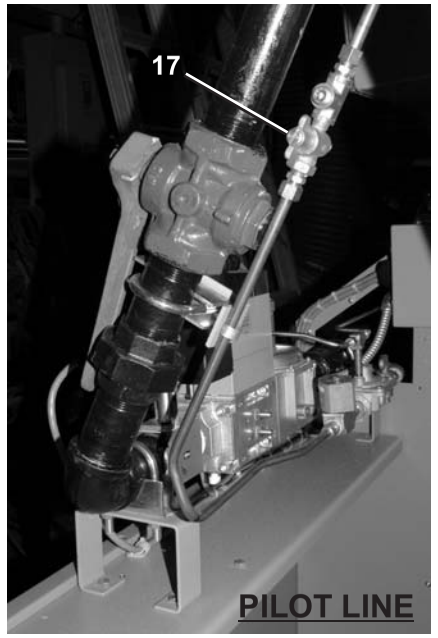
Litho in U.S.A.

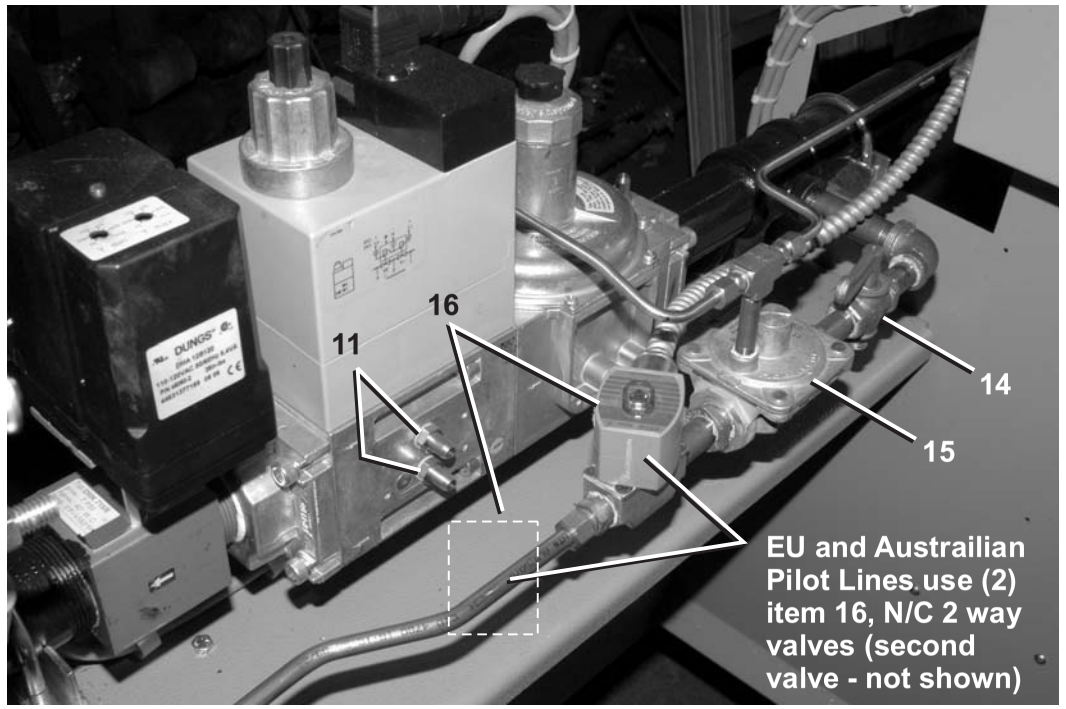




MAIN GAS INLET







PILOT LINE

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400
Litho in U.S.A.

Parts List—Natural Gas Schematic Europe & Australia

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
.				
			----------ASSEMBLIES----------	
	A	A77VG054	NATGAS 2V AUST LF	6458TG1L AUSTRALIA 6464TG1L AUSTRALIA
	B	A77VG054A	NATGAS 2V AUST RT	6458TG1R AUSTRALIA 6465TG1R AUSTRALIA
	C	A77VG057	6458 NAT 2V/NOVNT 10S=EU LF	6458TG1L EUROPE 6464TG1L EUROPE
	D	A77VG057A	6458A NAT 2V/NOVNT 10S=EU RT	6458TG1R EUROPE 6464TG1R EUROPE
			----------COMPONENTS----------	
A	1	A77VG021	1.5"VALTRN 2MLBTU L-R AUST	CONTAINS ITEMS 2-11
B	1	A77VG021A	1.5"VALTRN 2MLBTU R-L AUST	CONTAINS ITEMS 2-11
C	1	A77VG023	6458 NAT 2V/NOVNT 10S=EU LF	CONTAINS ITEMS 2-11
D	1	A77VG023A	6458A NAT 2V/NOVNT 10S=EU RT	CONTAINS ITEMS 2-11
all	2	96SD010	FRI712 GAS PRESS/REG #D230475	
all	3	96SD011	FRI MOUNTING KIT #D219968	
AB	4	96SD024	DMV-DLE512 DUAL SHUT-OFF VALVE	
CD	4	96SD035	DUAL SHUTOFF VAL 110V 50HERTZ	
AB	5	96SD025	1-1/2 RP FLANGE ONLY #D221884	
CD	5	96SD013	1-1/2" FLNG ONLY #D222003	
all	6	96SD014	VISUALVAL POSINDIC #217-665	
all	7	96SD026	GW50A5W/2.5-50MBAR GASPRESWITC	
all	8	96SD016	MTGKIT FOR HI GAS PRESS SWITCH	
AB	9	96SD027	DMK715/6RP 1-1/2 BUTRFLY 28MM	
CD	9	96SD017	DMK715/6 1-1/2"NPT BUTRFLY 28M	
all	10	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
all	11	96SD010	FRI712 GAS PRESS/REG #D230475	
AB	13	96G152AUST	1.5" BSP-T GAS BALL VALVE	
CD	13	96G151A	1.5" GAS STOP VAL - NON-LUBE - CE	CE (EUROPE)
all	14	96G038AUST	3/8" BSP-T GAS BALL VALVE	
all	15	96J507	1/2"INLET GASREG LEVER ACTING 7"W.C-MAXITRL	
all	16	96R3025A37	1/4"BSPP PILOT 2WN/C110V50/60	
all	17	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL # 55-302-01	

Natural Gas Schematic, Europe

7272TG1L,TG1R

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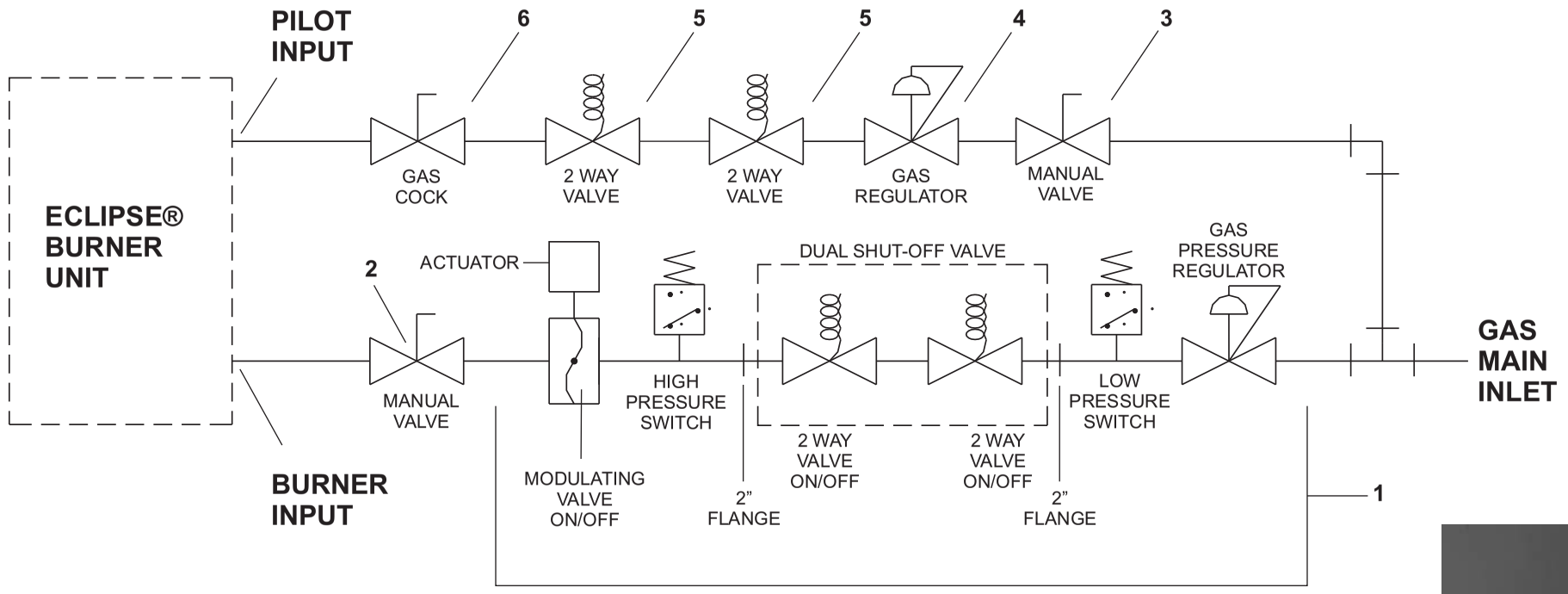
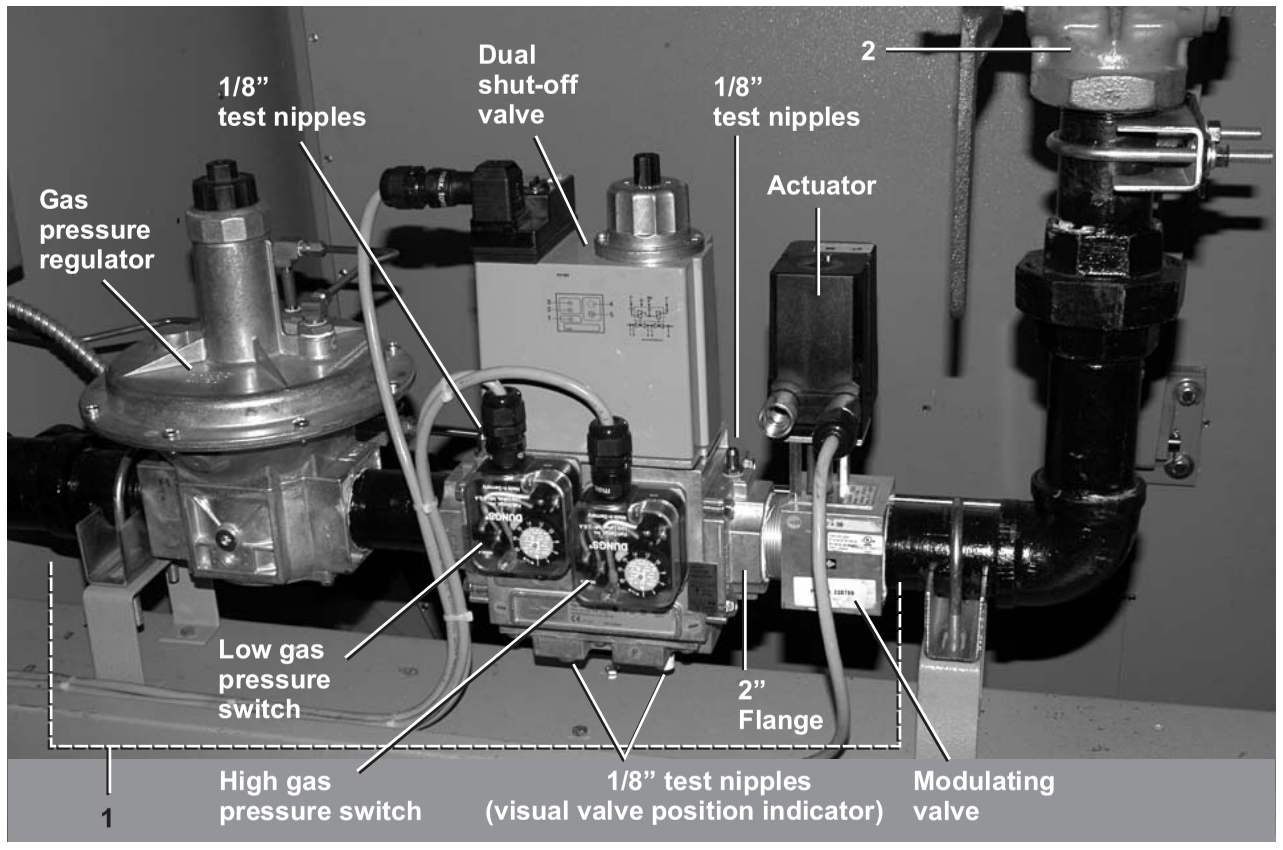
Litho in U.S.A.





Natural Gas Schematic, Europe

7272TG1L,TG1R

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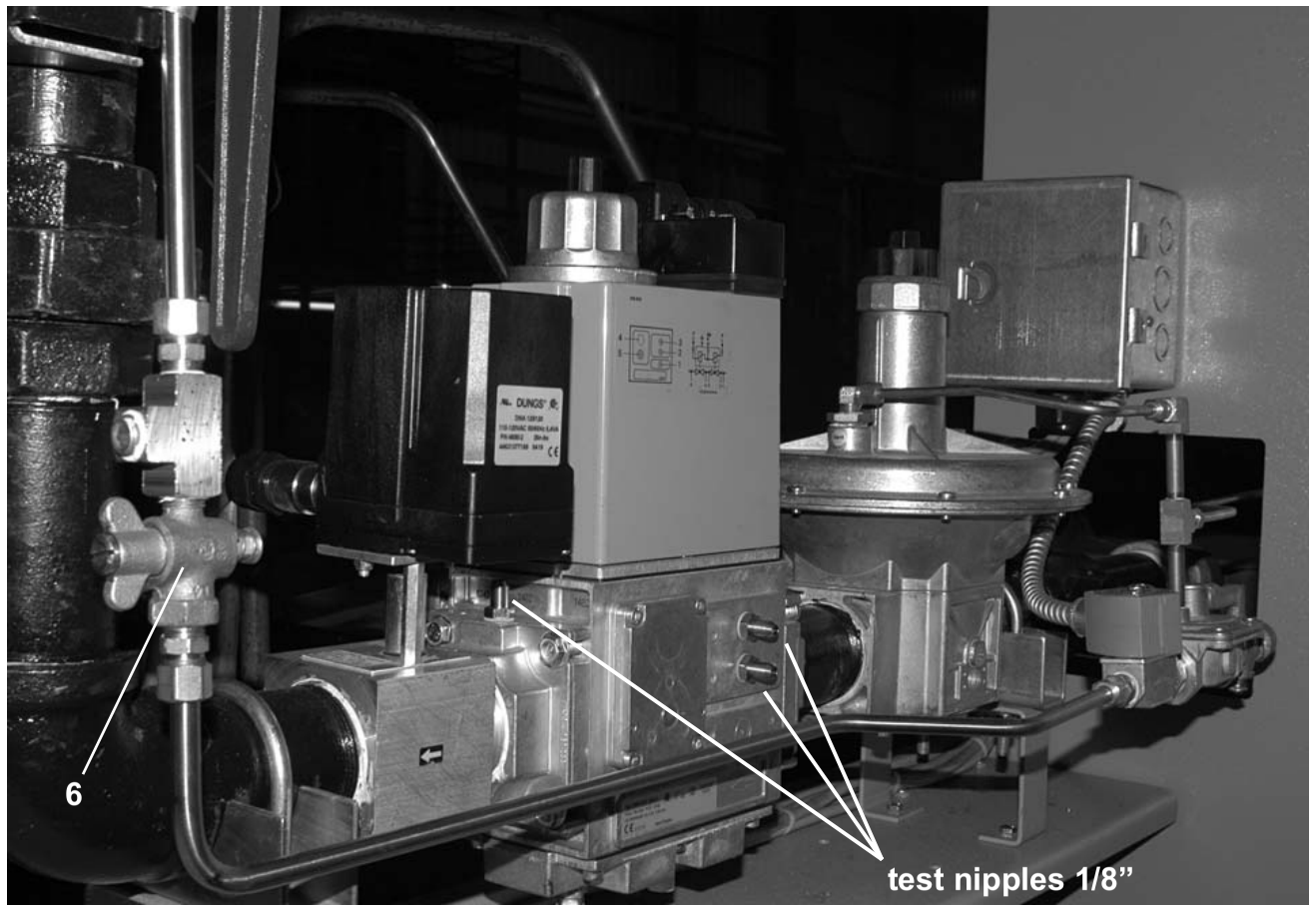
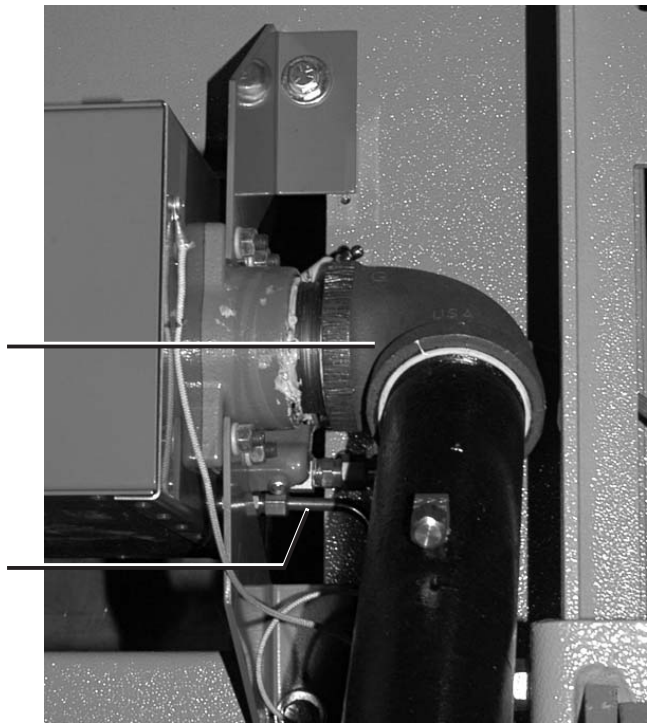
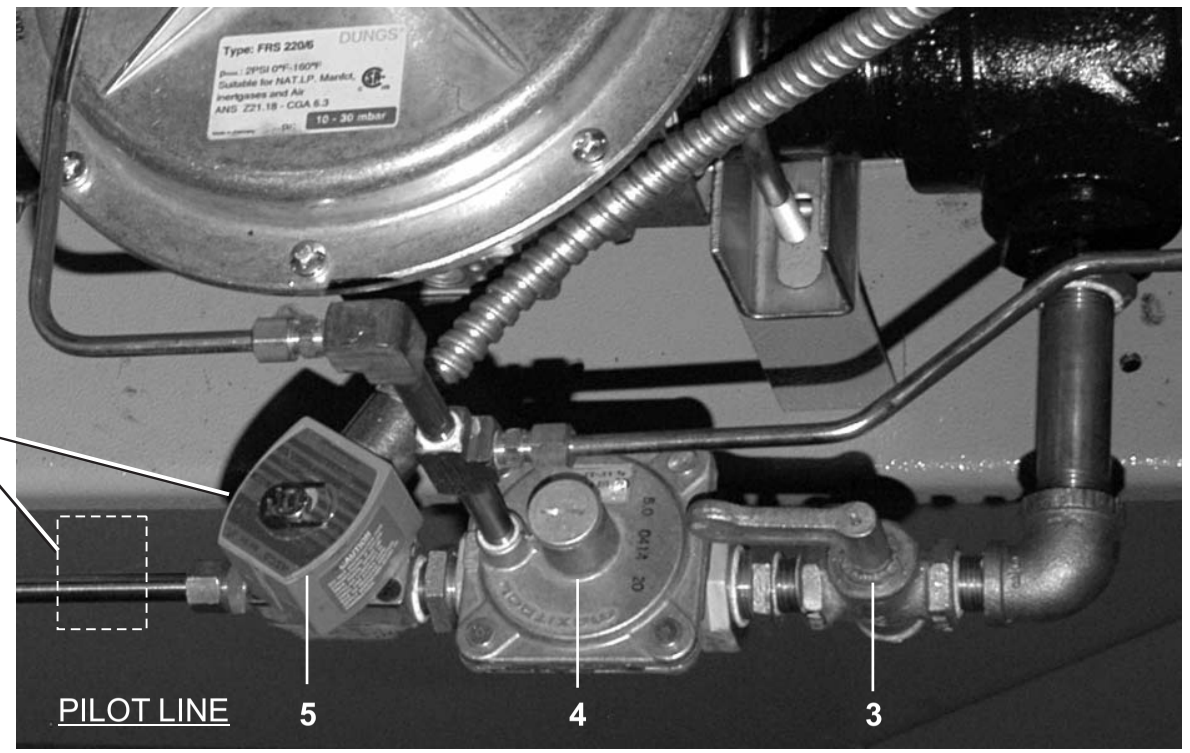
Litho in U.S.A.



PILOT LINE



EU and Austrailian Pilot Lines use (2) item 5, N/C 2 way valves (second valve - not shown)



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Parts List—Gas Schematic, Europe

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Used In	Item	Part Number	Description	Comments
:----------ASSEMBLIES----------				
	A	A79VG053	7272 NAT 2V-NOVENT=EU LF	LEFT
	B	A79VG053A	7272 NAT 2V-NOVENT=EU RT	RIGHT
----------COMPONENTS----------				
A	1	A79VG021	2.0" VALTRAIN 3MILBTU LF TO RT 10S EU EN746-2	
B	1	A79VG021A	2.0" VALTRAIN 3MILBTU RT TO LF 10S EU EN746-2	
all	2	96G200A	2" GAS STOP VAL - NON-LUBE - CE	
all	3	96G030	3/8GAS STOP VAL W/CKLEVER HDL-CONBRACO # 51-107-01	
all	4	96J507	1/2"INLET GASREG LEVER ACTING 7"W.C-MAXITRL	
all	5	96R3025A37	1/4"BSPP PILOT 2WN/C110V50/60	
all	6	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL # 55-302-01	

Natural Gas Schematic, IRI

6458TG1L,TG1R 6464TG1L,TG1R

BMP080029/2012085B
(Sheet 1 of 2)

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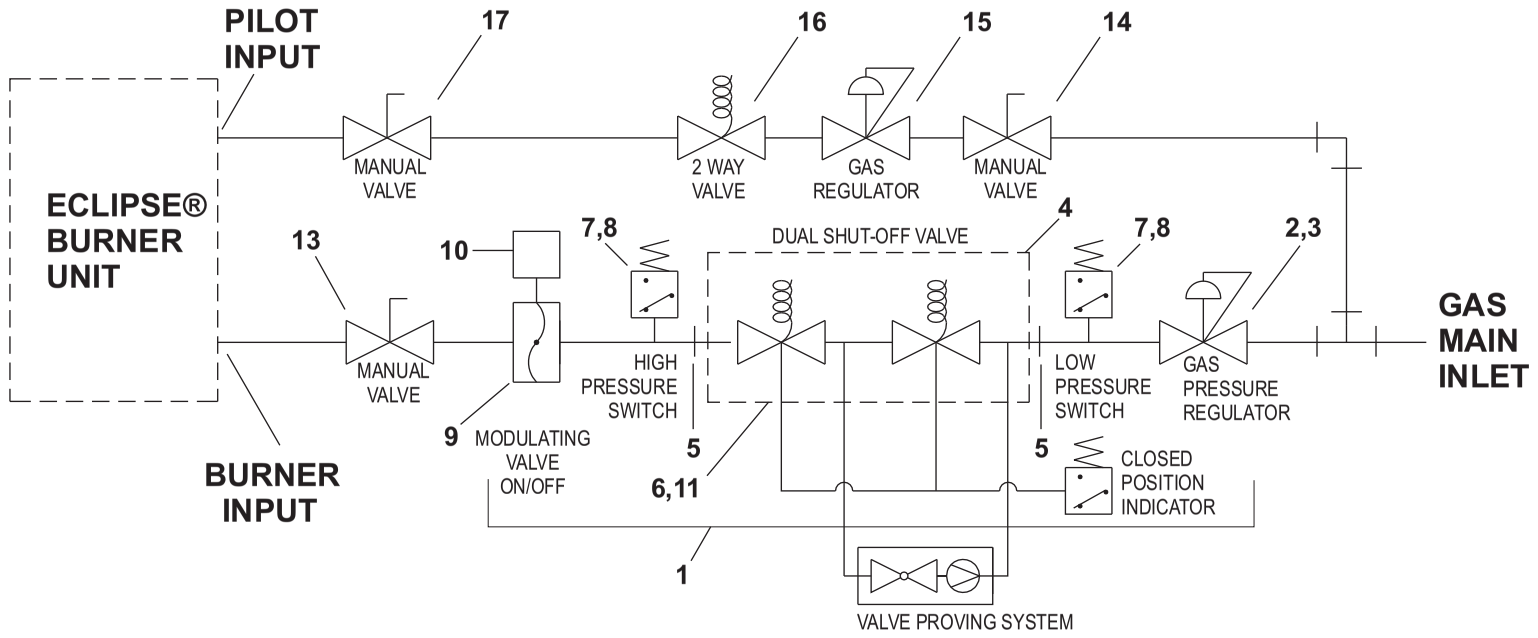
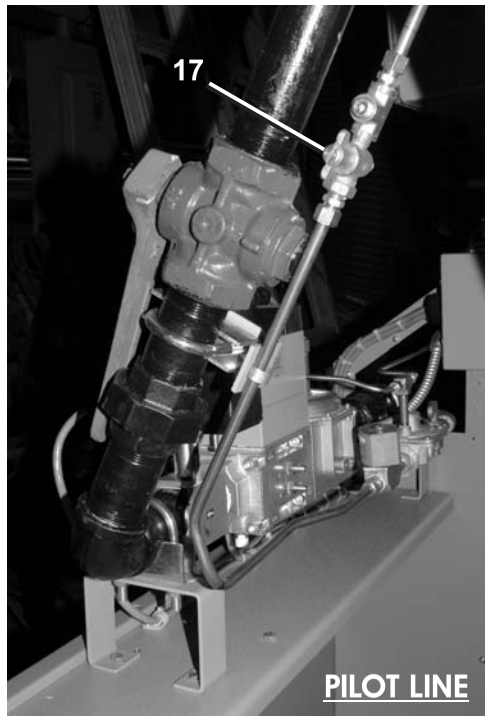
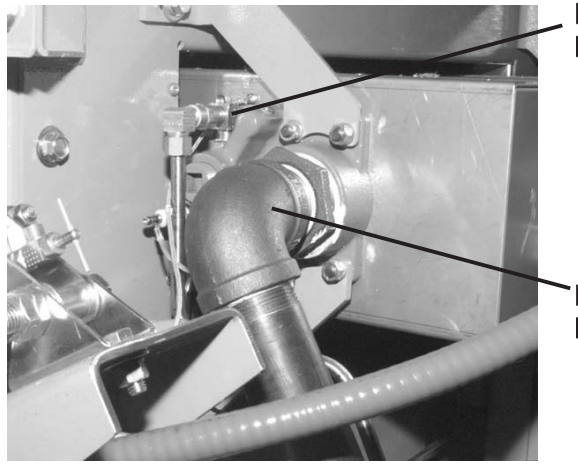
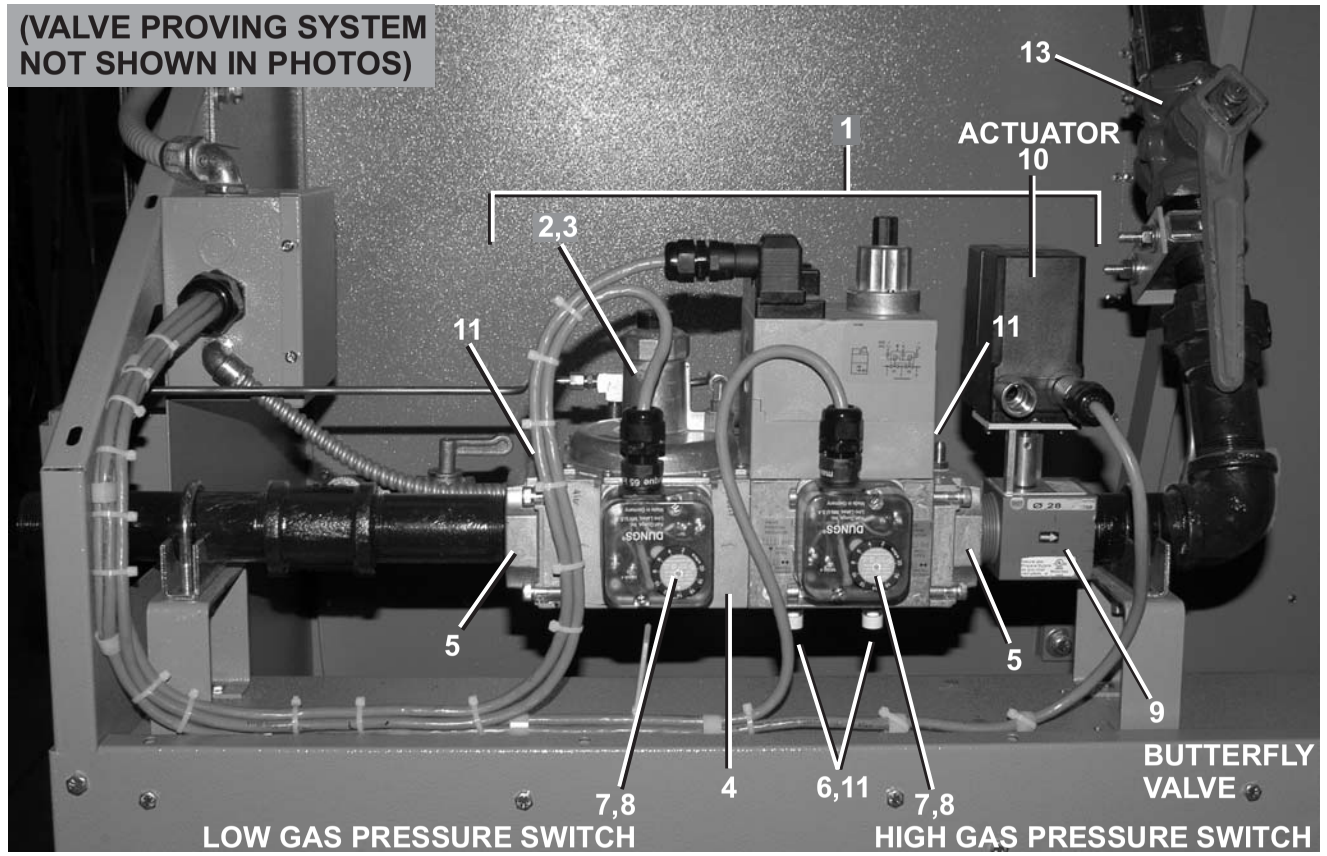
Litho in U.S.A.

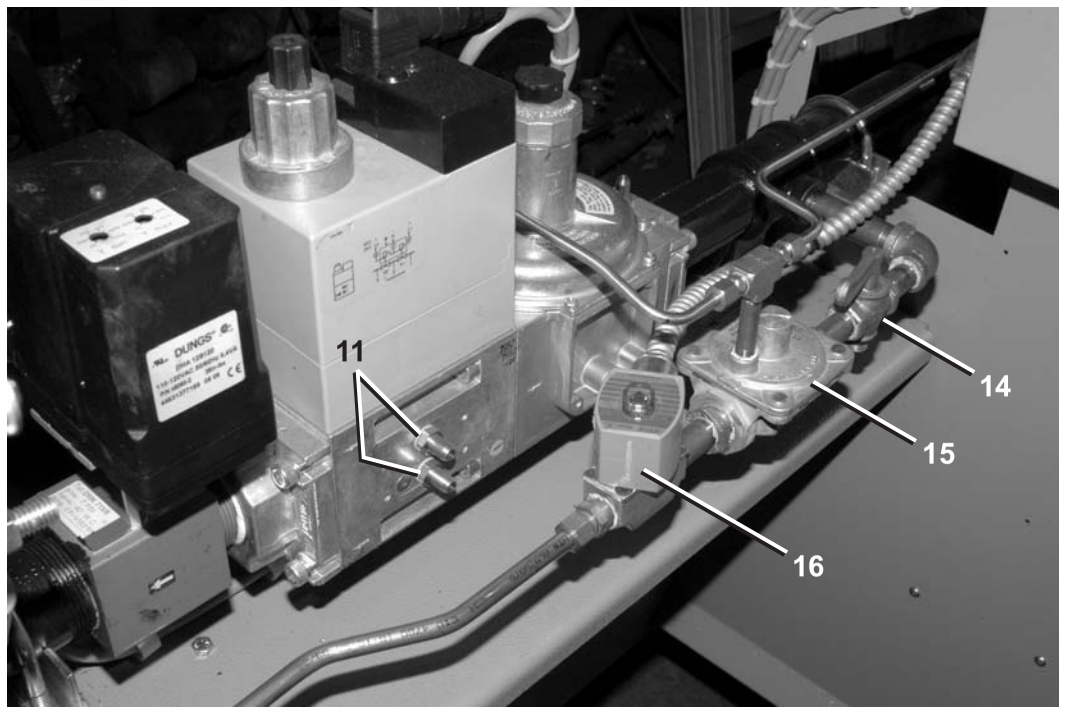








MAIN GAS INLET



PILOT LINE

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Litho in U.S.A.

Parts List—Natural Gas Schematic IRI

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Used In	Item	Part Number	Description	Comments
.				
			----------ASSEMBLIES----------	
	A	A77VG056	6458 NAT 2V+VPS=IRI LF	6458TG1L IRI,6464TG1L IRI
	B	A77VG056A	6458A NAT 2V+VPS=IRI RT	6458TG1R IRI,6464TG1R IRI
			----------COMPONENTS----------	
A	1	A77VG022	1.5" VALTRN 2MLBTU L-R IRI	CONTAINS ITEMS 2-12
B	1	A77VG022A	1.5"VALTRN 2MLBTU R-L IRI	CONTAINS ITEMS 2-12
all	2	96SD010	FRI712 GAS PRESS/REG #D230475	
all	3	96SD011	FRI MOUNTING KIT #D219968	
all	4	96SD012	DMV-DLE 703 DUAL SHUTOFF VALVE	
all	5	96SD013	1-1/2" FLNG ONLY #D222003	
all	6	96SD014	VISUALVAL POSINDIC #217-665	
all	7	96SD015	GAO-A2-4-5 HI&LO GASPRESSWITCH	
all	8	96SD016	MTGKIT FOR HI GAS PRESS SWITCH	
all	9	96SD017	DMK715/6 1-1/2"NPT BUTRFLY 28M	
all	10	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
all	11	96SD019	G 1/8" TEST NIPPLES(PRESSTEST)	
all	12	96SD022	VALVE PROVING SYS #D221073	
all	13	96G151	1-1/2"NPTGASBALVAL W/UL,AGA&FM	
all	14	96G030	3/8GAS STOP VAL W/CKLEVER HDL	
all	15	96J507	1/2"INLET GASREG LEVER ACTING 7"W.C-MAXITRL	
all	16	96TCC2BA37	3/8" N/C 2WAY 120V50/60C VALVE	
all	17	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL	

Propane Schematic, CSA

6458TG1L,TG1R 6464TG1L,TG1R

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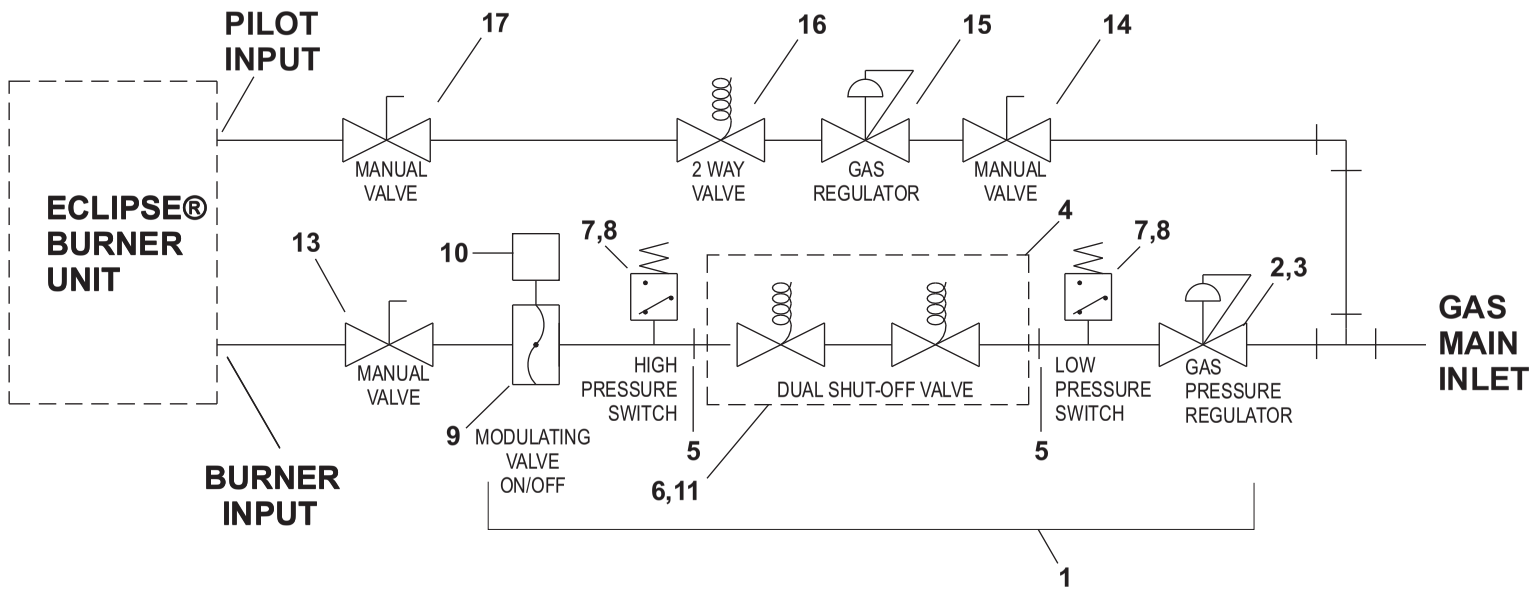
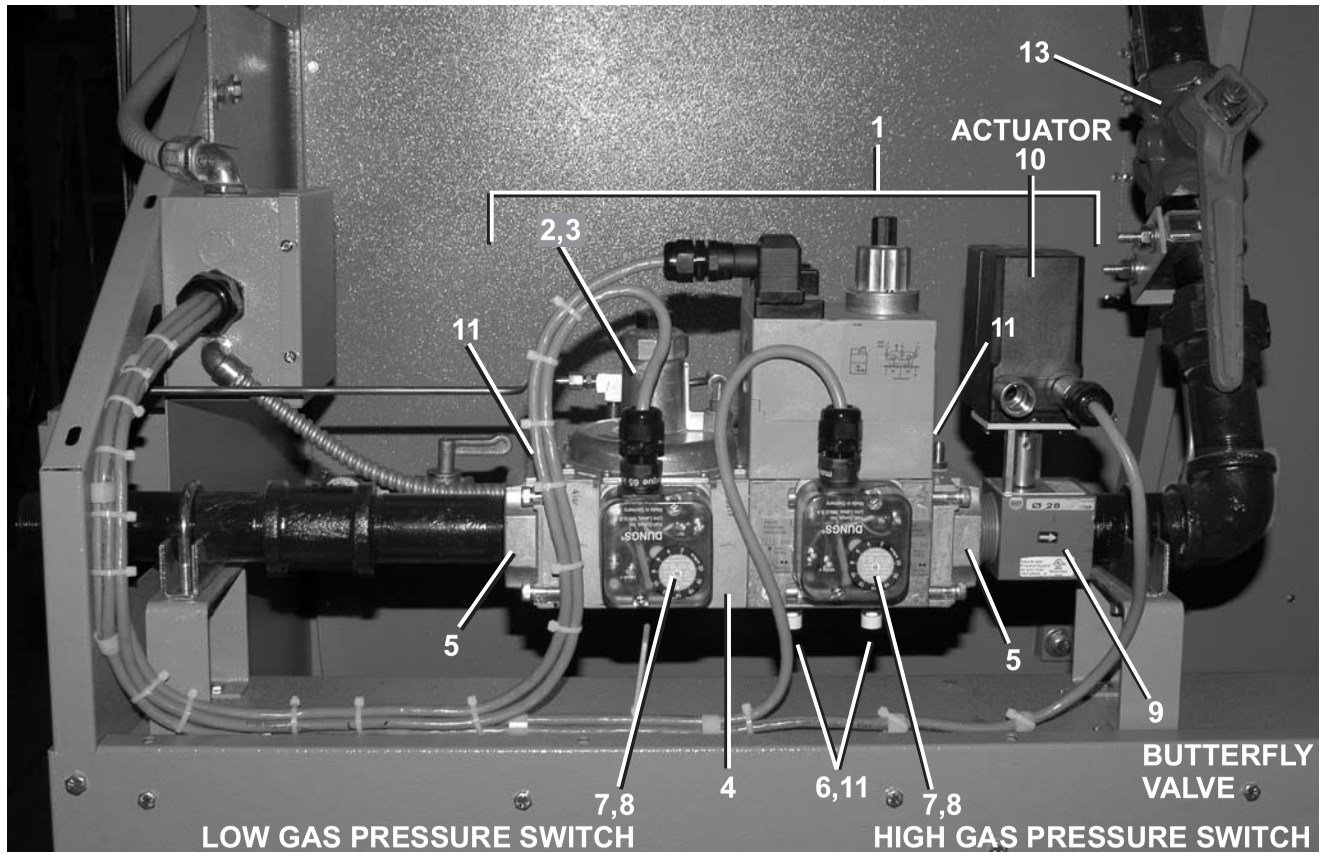
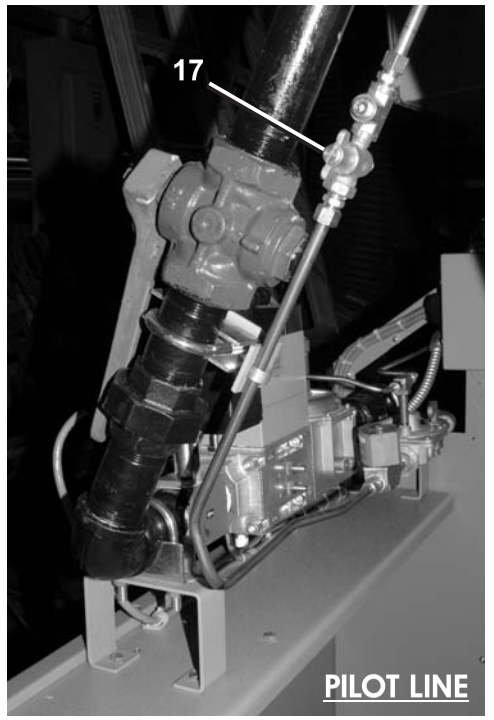
Litho in U.S.A.

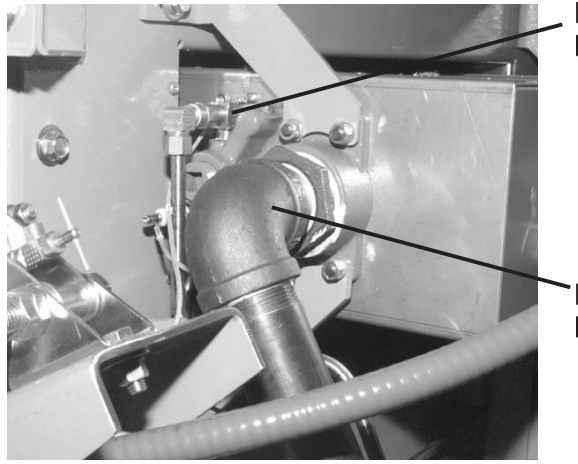


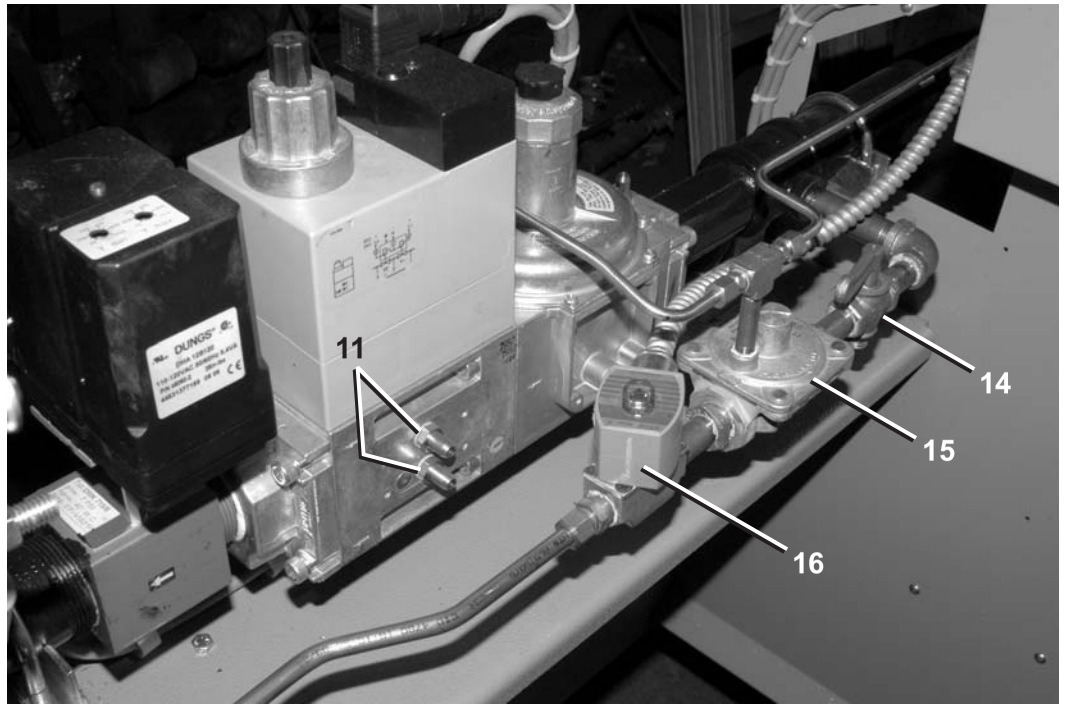


MAIN GAS INLET



PILOT LINE





PILOT LINE

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Litho in U.S.A.

Parts List—Propane Schematic CSA

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
----------ASSEMBLIES----------				
	A	A77VG053	6458 PROP 2V-NOVENT=CSA LF	6458TG1L PROPANE CSA 6464TG1L PROPANE CSA
	B	A77VG053A	6458 PROP 2V-NOVENT=CSA RT	6458TG1R PROPANE CSA 6464TG1R PROPANE CSA
----------COMPONENTS----------				
A	1	A77VG020	1.5"VALTRAIN 2MILBTU LF TO RT	
B	1	A77VG020A	1.5"VALTRAIN 2MILBTU RT TO LFT	
all	2	96SD010	FRI712 GAS PRESS/REG #D230475	
all	3	96SD011	FRI MOUNTING KIT #D219968	
all	4	96SD012	DMV-DLE 703 DUAL SHUTOFF VALVE	
all	5	96SD013	1-1/2" FLNG ONLY #D222003	
all	6	96SD014	VISUALVAL POSINDIC #217-665	
all	7	96SD015	GAO-A2-4-5 HI&LO GASPRESSWITCH	
all	8	96SD016	MTGKIT FOR HI GAS PRESS SWITCH	
all	9	96SD017	DMK715/6 1-1/2"NPT BUTRFLY 28M	
all	10	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
all	11	96SD019	G 1/8" TEST NIPPLES(PRESSTEST)	
all	13	96G150C	1.5"GAS STOP VAL W/ RELUB	
all	14	96G030	3/8GAS STOP VAL W/CKLEVER HDL	
all	15	96J507	1/2"INLET GASREG LEVER ACTING 7"W.C-MAXITRL	
all	16	96TCC2BA37	3/8" N/C 2WAY 120V50/60C VALVE	
all	17	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL	
.				

Used In	Item	Part Number	Description	Comments

Propane Schematic, Europe

6458TG1L,TG1R 6464TG1L,TG1R

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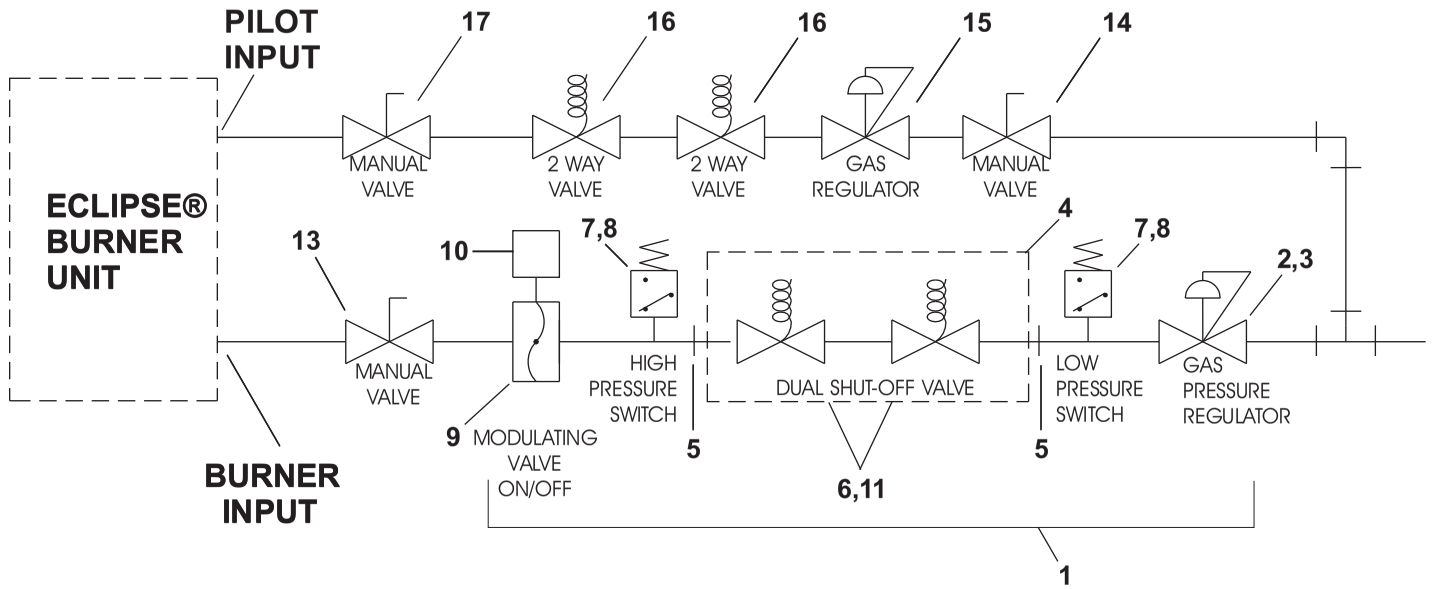
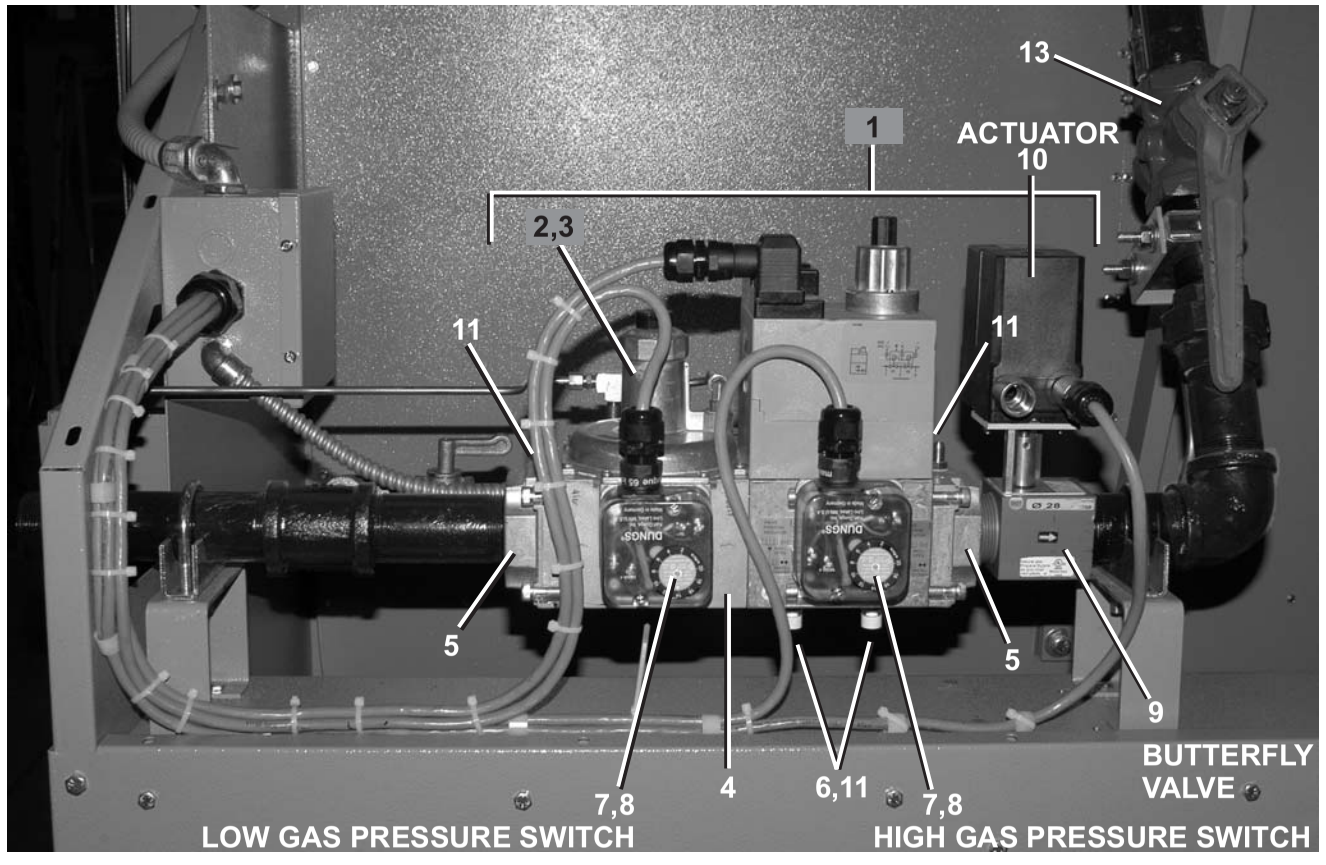
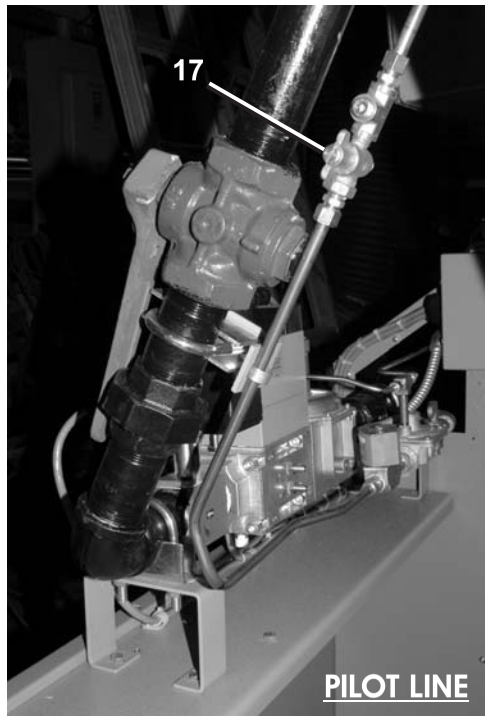
Litho in U.S.A.

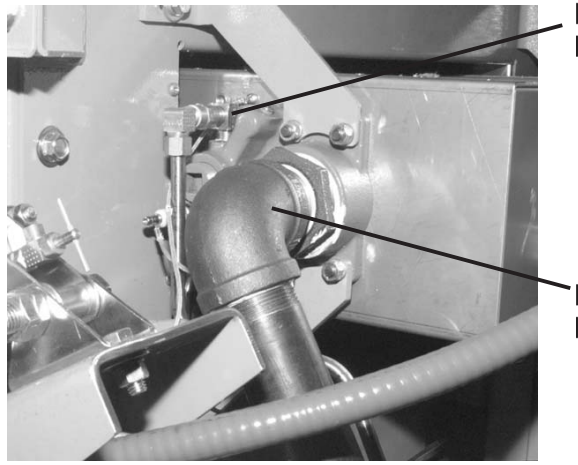


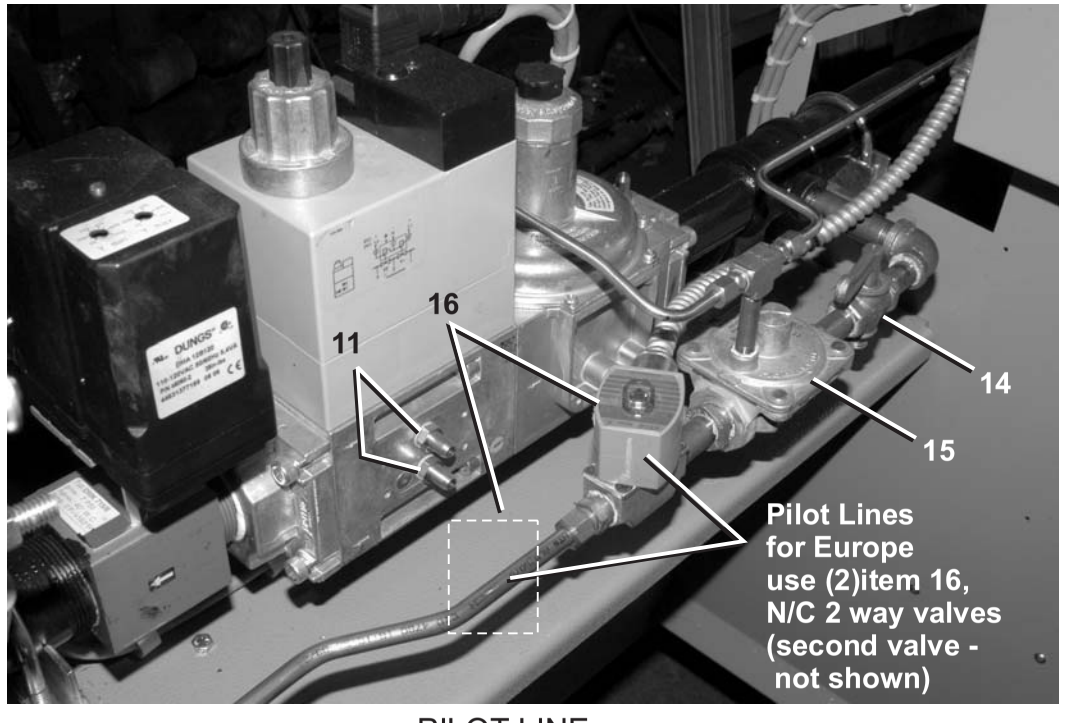


MAIN GAS INLET



PILOT LINE





PILOT LINE

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P. O. Box 400, Kenner, LA 70063-0400
Litho in U.S.A.

Parts List—Propane Schematic Europe

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

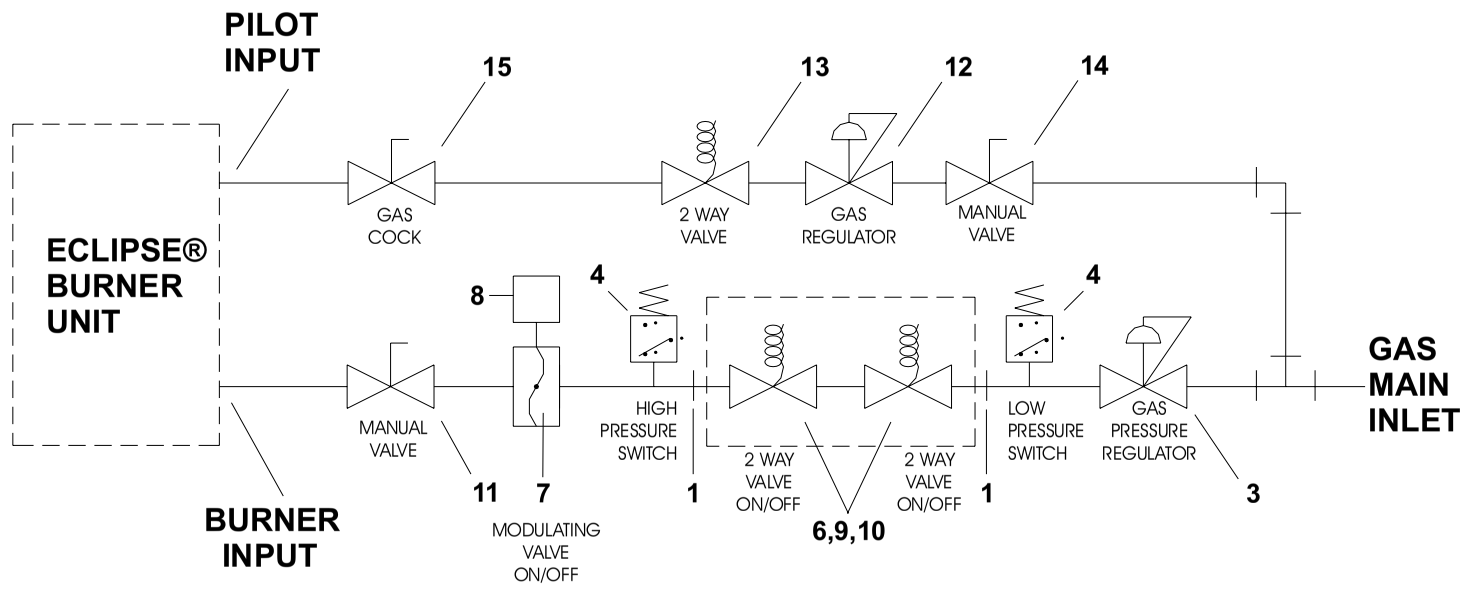
Used In	Item	Part Number	Description	Comments
.				
			----------ASSEMBLIES----------	
	A	A77VG057	6458 NAT 2V/NOVNT 10S=EU LF	6458TG1L,6464TG1L PROPANE, EUROPE
	B	A77VG057A	6458A NAT 2V/NOVNT 10S=EU RT	6458TG1R,6464TG1R PROPANE, EUROPE
			----------COMPONENTS----------	
A	1	A77VG023	6458 NAT 2V/NOVNT 10S=EU LF	
B	1	A77VG023A	6458A NAT 2V/NOVNT 10S=EU RT	
all	2	96SD010	FRI712 GAS PRESS/REG #D230475	
all	3	96SD011	FRI MOUNTING KIT #D219968	
all	4	96SD035	DUAL SHUTOFF VAL 110V 50HERTZ	
all	5	96SD013	1-1/2" FLNG ONLY #D222003	
all	6	96SD014	VISUALVAL POSINDIC #217-665	
all	7	96SD026	GW50A5W/2.5-50MBAR GASPRESWITC	
all	8	96SD016	MTGKIT FOR HI GAS PRESS SWITCH	
all	9	96SD017	DMK715/6 1-1/2"NPT BUTRFLY 28M	
all	10	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
all	11	96SD019	G 1/8" TEST NIPPLES(PRESSTEST)	
all	13	96G151A	1.5" GAS STOP VAL - NON-LUBE - CE	
all	14	96G030	3/8GAS STOP VAL W/CKLEVER HDL-CONBRACO	
all	15	96J507	1/2"INLET GASREG LEVER ACTING 7"W.C-MAXITRL	
all	16	96R3025A37	1/4"BSPP PILOT 2WN/C110V50/60	
all	17	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL # 55-302-01	

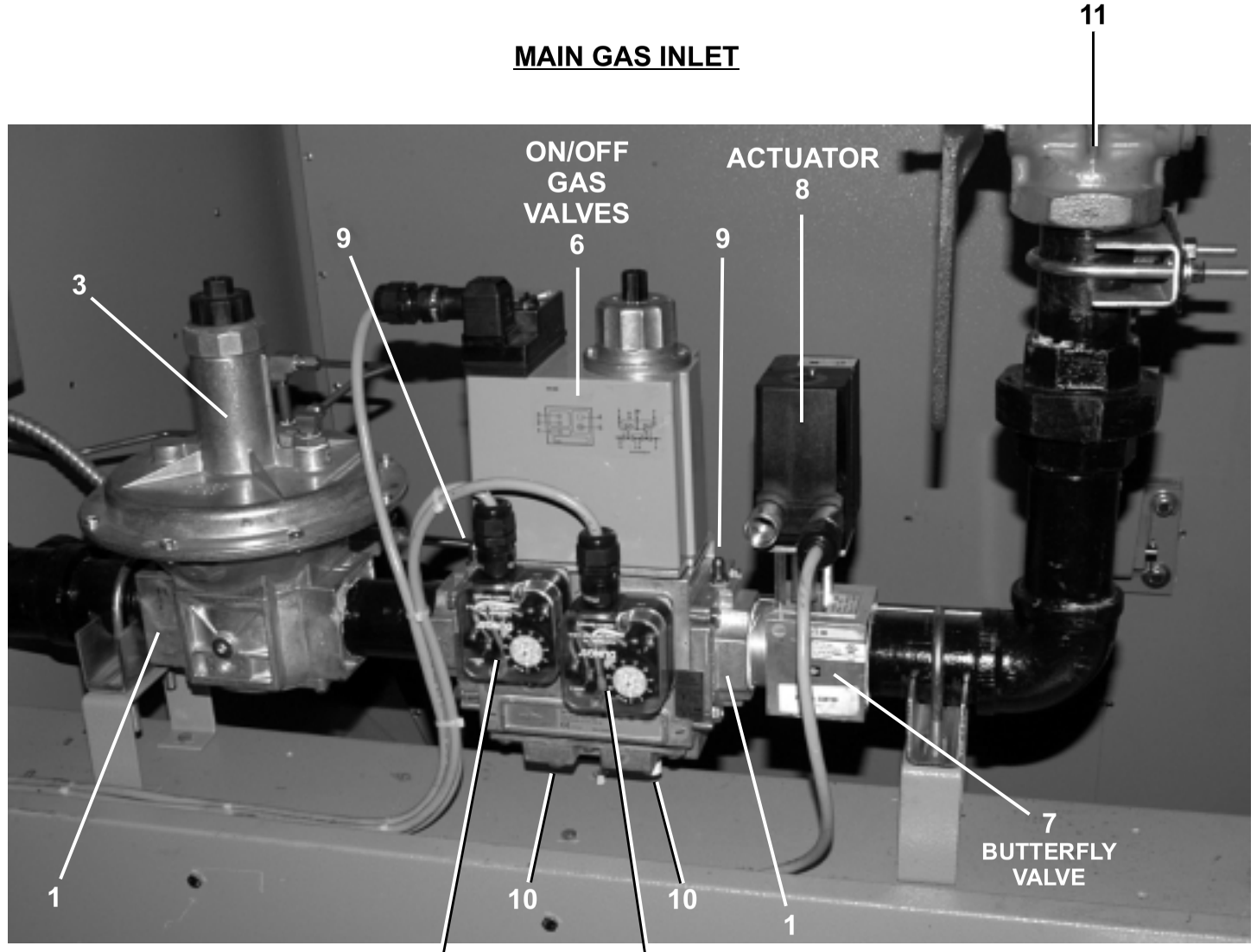
Gas Schematic and Burner Installation

7272TG1L,TG1R

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





HOW THE GAS DRYER HEATING SYSTEM WORKS

The 7272TG1L,TG1R gas dryer's process air stream is heated by an Eclipse air heat burner unit. This is a pre-packaged burner system consisting of a burner manifold, pilot assembly, combustion air blower and motor, and combustion air filter. The burner unit is mounted through the wall of the intake air duct and directly heats air as it flows into the duct. Heated air is drawn flows through the goods and the lint filter and is exhaust through the blower exhaust duct. Gas is furnished to the burner unit through a series of regulators and valves that control pressure and flow. The gas valve train includes provisions for shutting off gas flow manually and automatically to the main burner and the pilot.

Gas Schematic and Burner Installation

7272TG1L,TG1R

Pellerin Milnor Corporation
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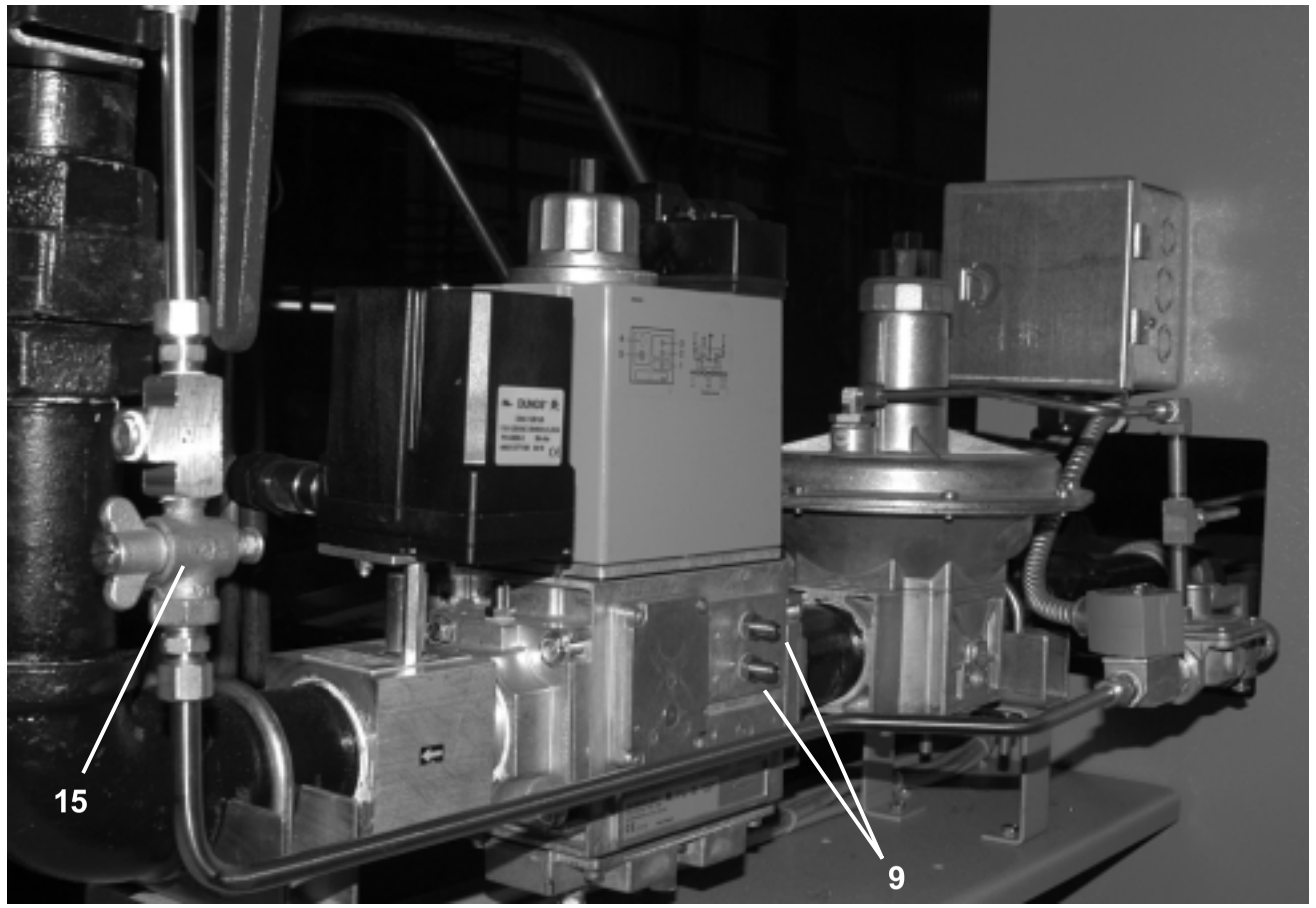

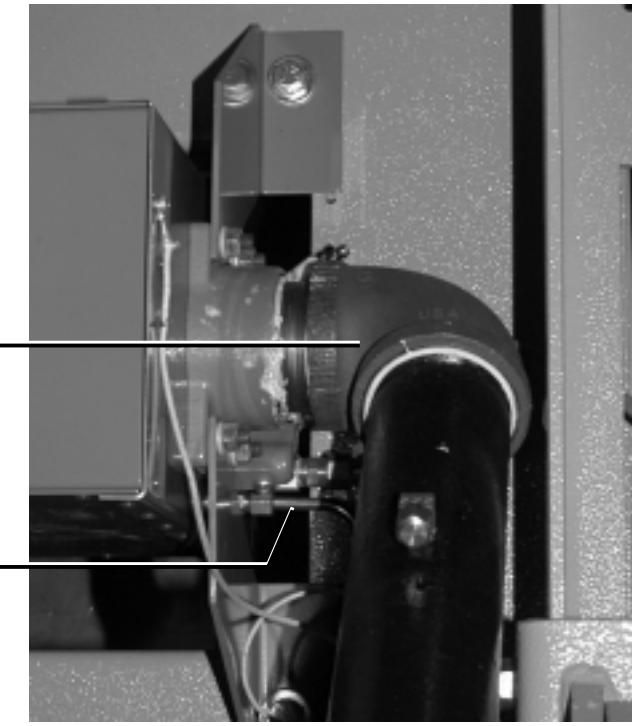

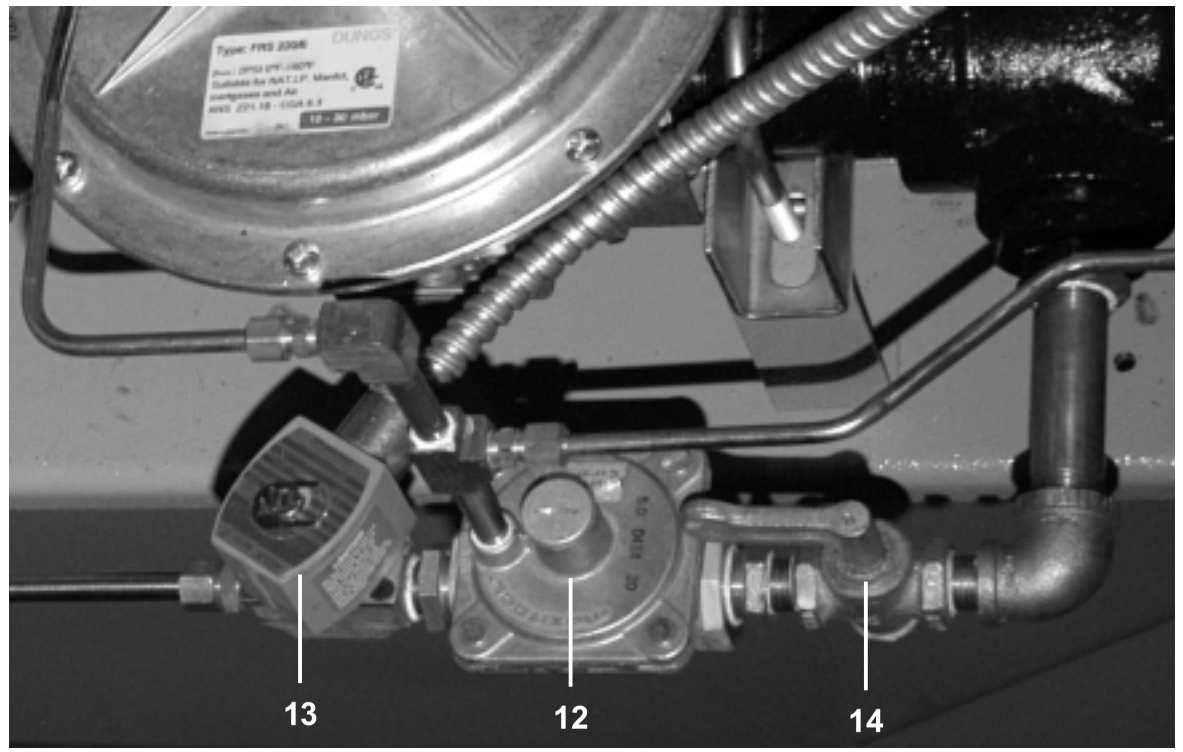

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Parts List—Gas Schematic & Burner Installation

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
.				
			----------ASSEMBLIES----------	
	A	A79VG020	2.0"VALTRAIN 3MILBTU LF TO RT	7272TG1R
	B	A79VG020A	2.0"VALTRAIN 3MILBTU RT TO LFT	7272TG1L
			----------COMPONENTS----------	
all	1	96SD029	2"FLG WITH O-RING #D232407	
all	3	96SD032	2"NPT FRS 220/6 GAS REGULATOR	
all	4	96SD015	GAO-A2-4-5 HI&LO GASPRESSWITCH	
all	6	96SD028	DMV-DLE 525/11 DUAL SHUTOFFVAL	
all	7	96SD030	DMK 720/6 2"NPT BUTTERFLY VAL	
all	8	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
all	9	96SD008	G 1/8"TEST NIPPLE #D219008	
all	10	96SD014	VISUAL VAL POSITION INDIC (V1)	
all	11	96G200	2" GAS STOP VAL W/CK & RELUB	
all	12	96J506	1/2" GAS REG 5"WC MAXTRL RV48	
all	13	96TCC2BA37	3/8" N/C 2WAY 120V50/60C VALVE	
all	14	96G030	3/8GAS STOP VAL W/CKLEVER HDL	
all	15	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL	

CSA Gas Piping

6458TG1L,TG1R 6464TG1L,TG1R 7272TG1L,TG1R

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

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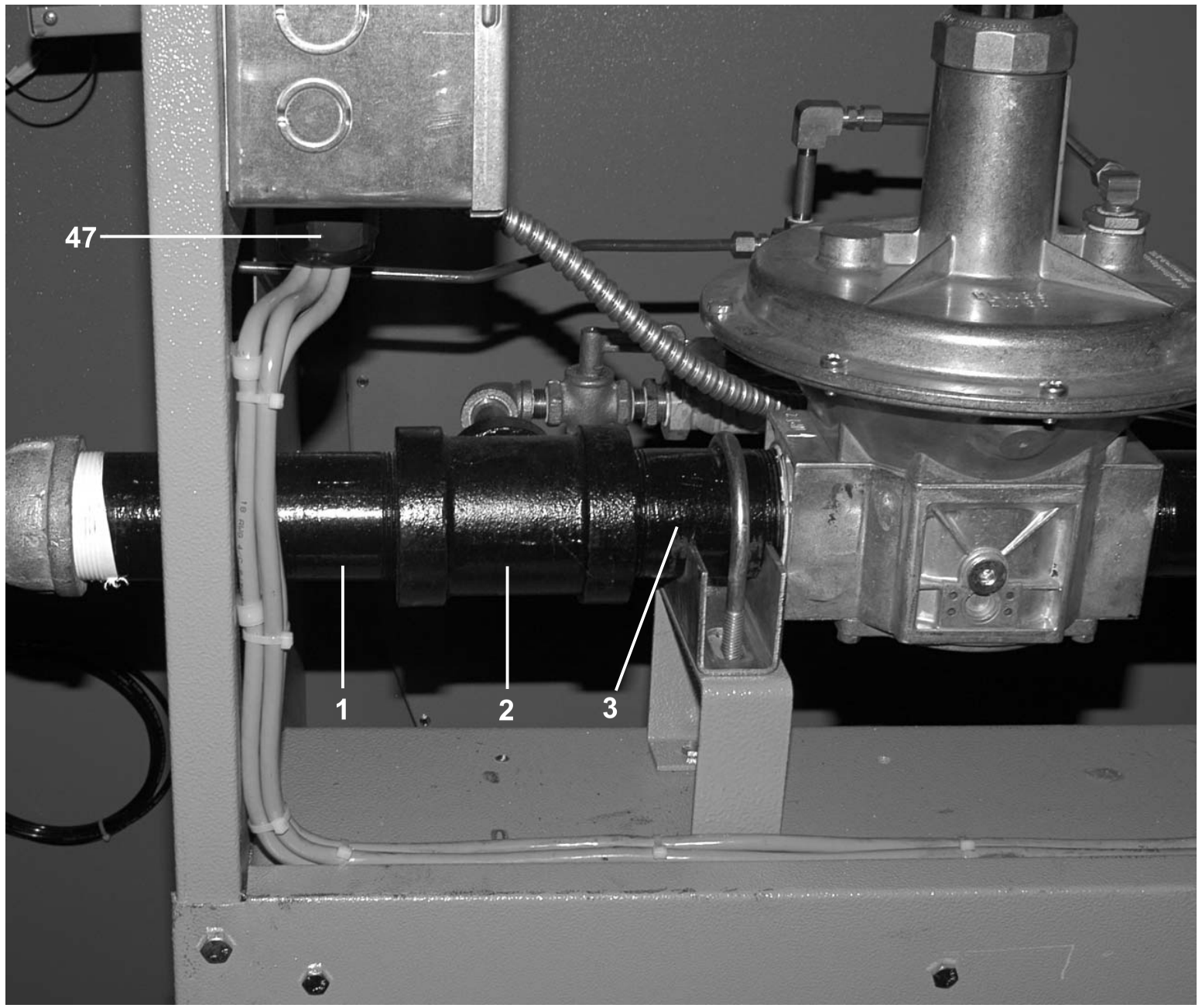

Gas Train Entry

CSA Gas Piping

6458TG1L,TG1R 6464TG1L,TG1R 7272TG1L,TG1R

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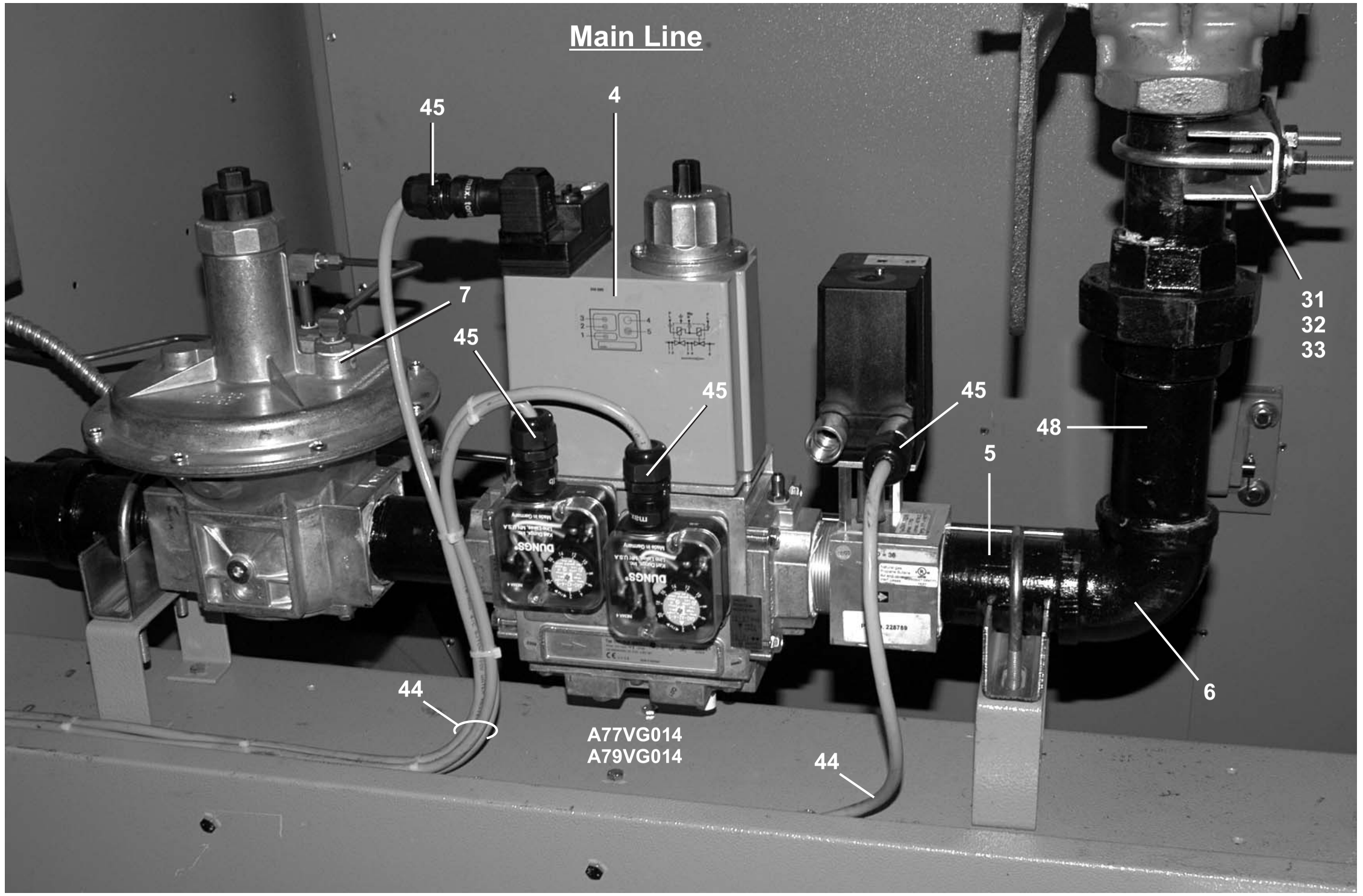

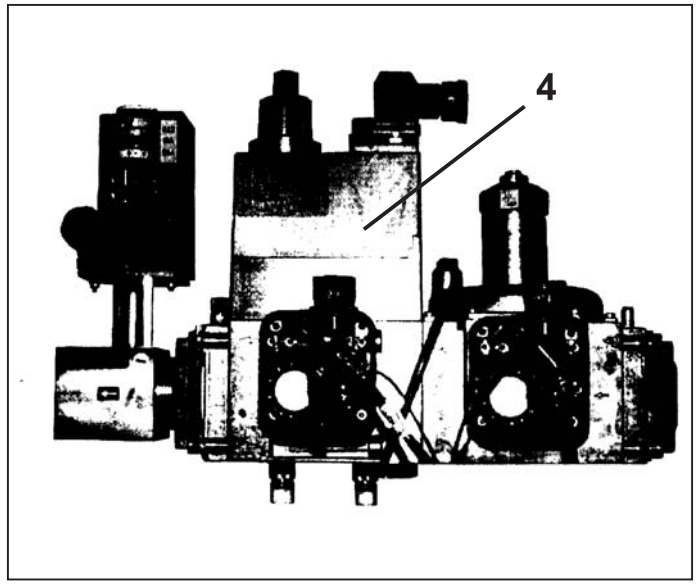

A77VG014A
A79VG014A

CSA Gas Piping

6458TG1L,TG1R 6464TG1L,TG1R 7272TG1L,TG1R

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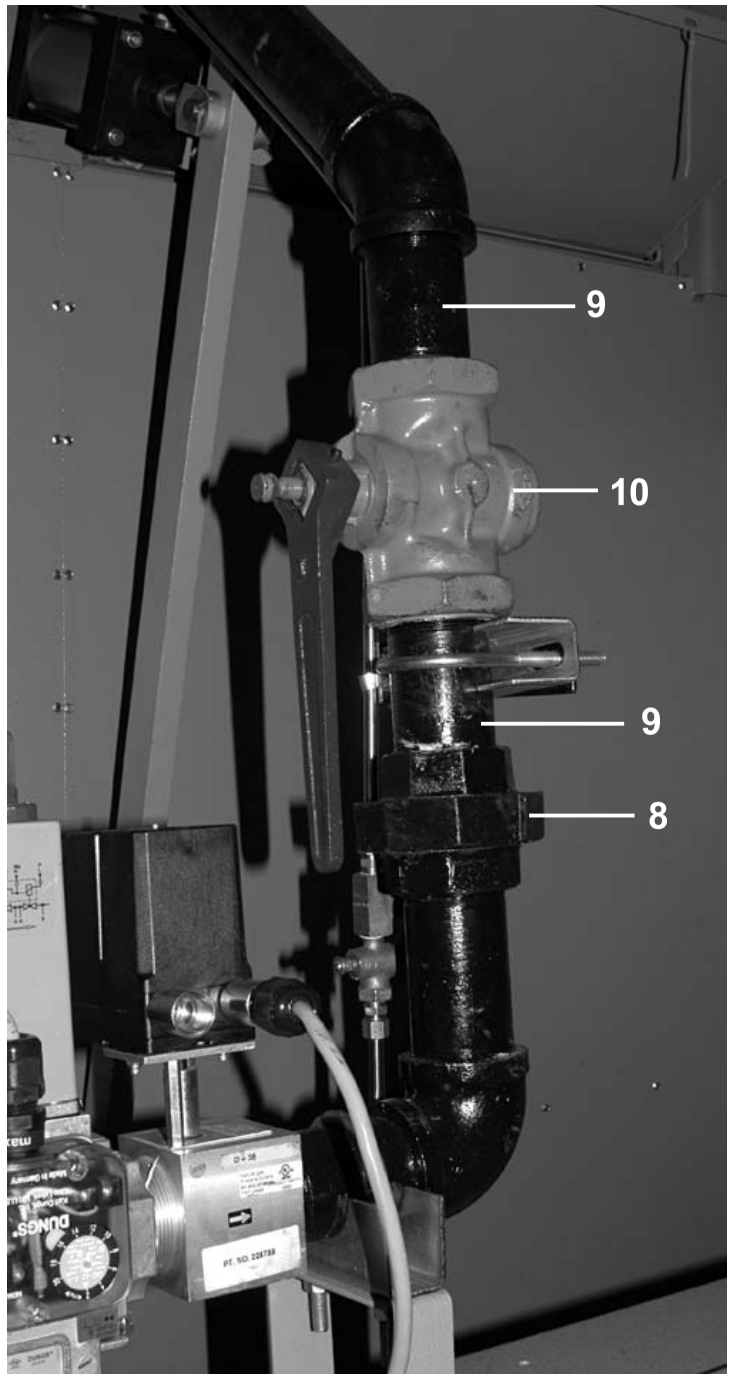
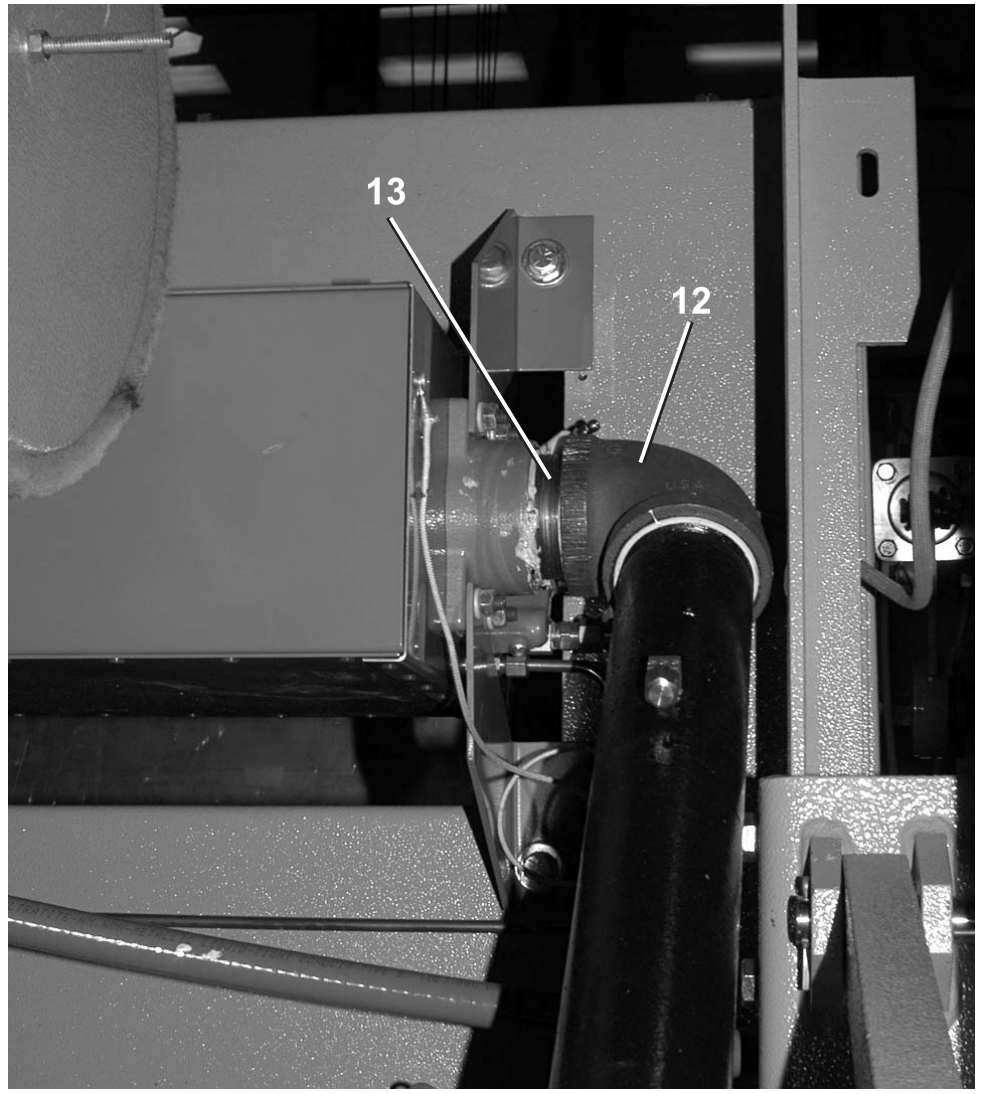
Gas Train Vertical





CSA Gas Piping

6458TG1L,TG1R 6464TG1L,TG1R 7272TG1L,TG1R

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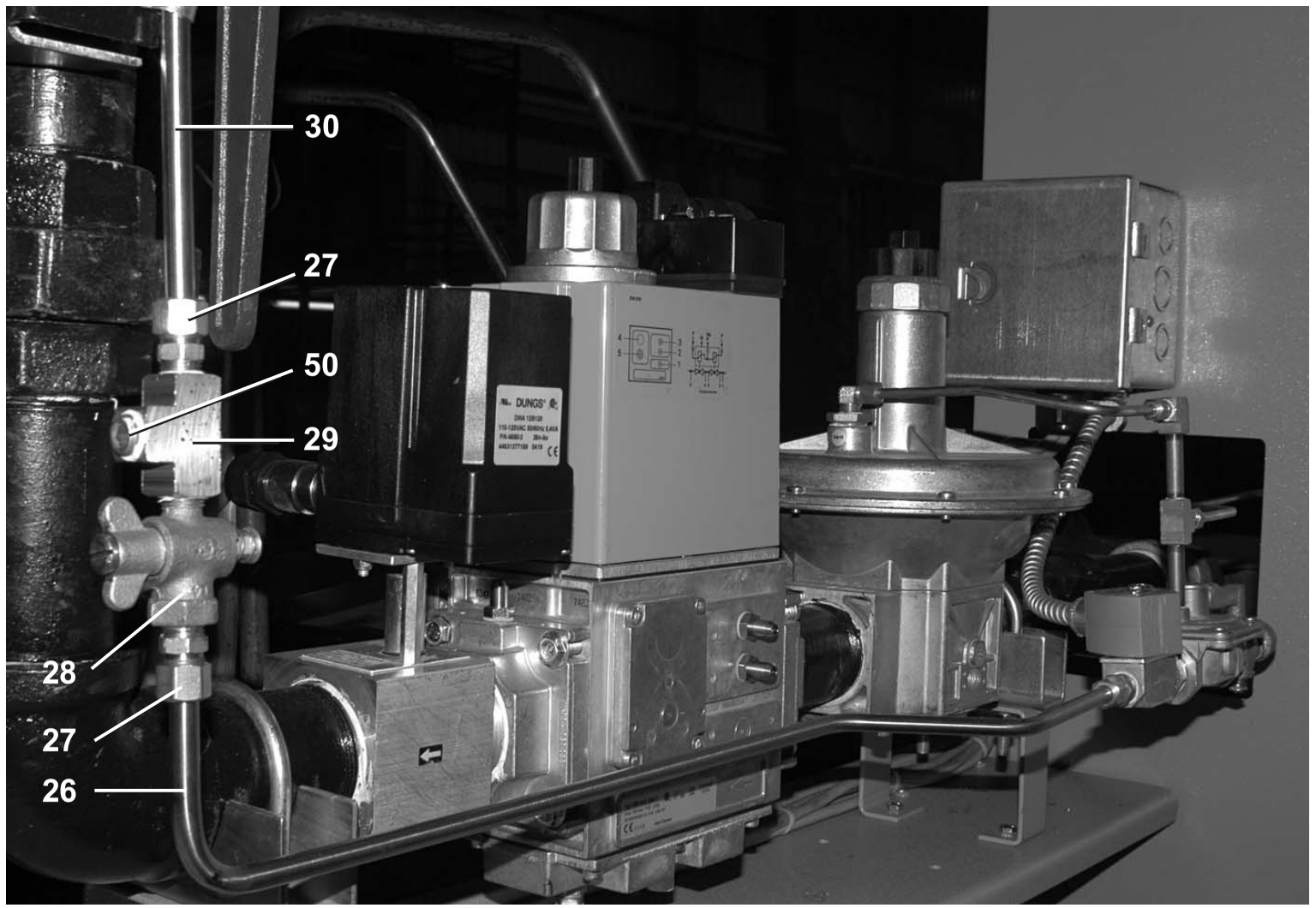
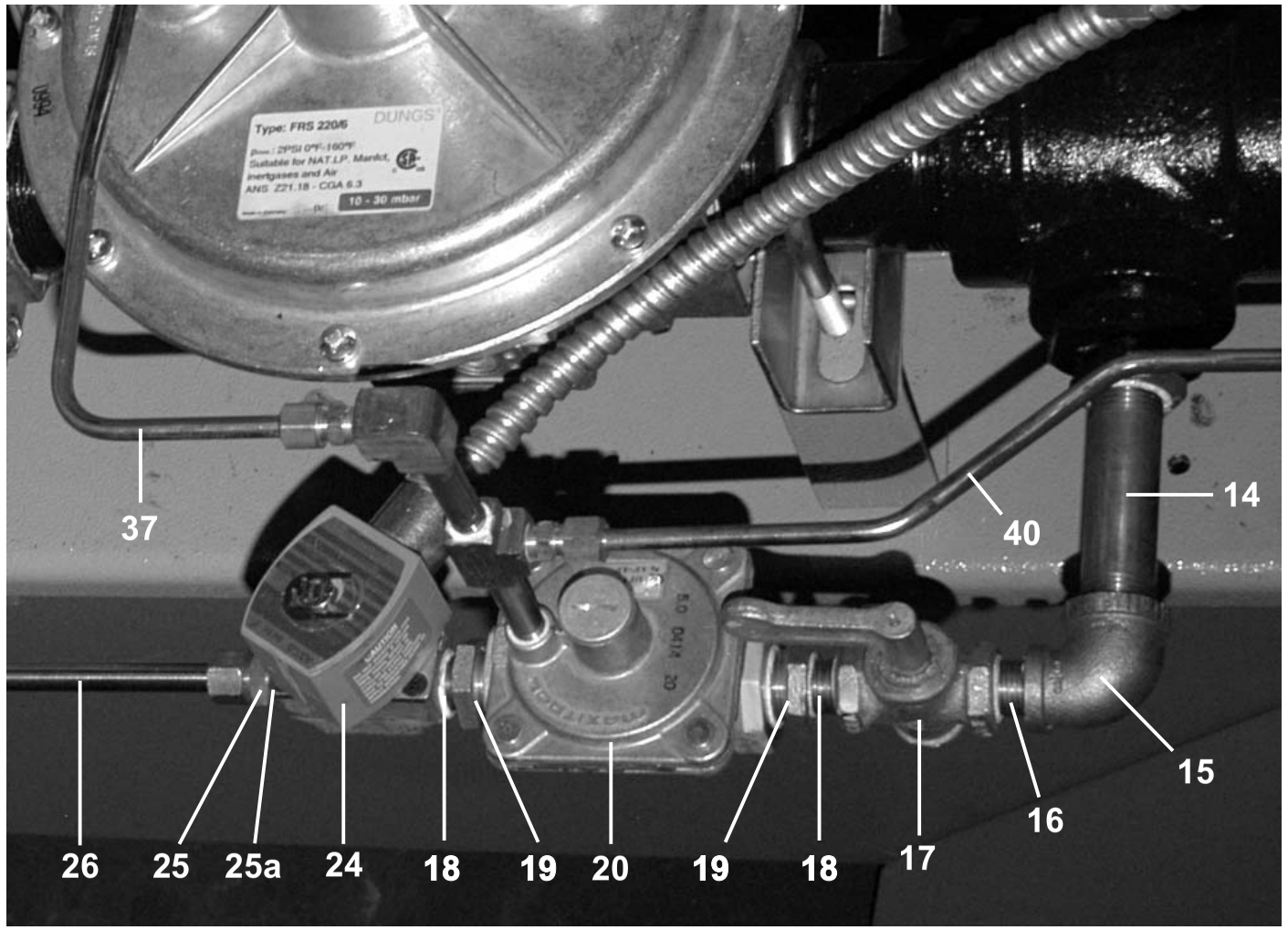


Pilot Line



Pilot Line

CSA Gas Piping

6458TG1L,TG1R 6464TG1L,TG1R 7272TG1L,TG1R

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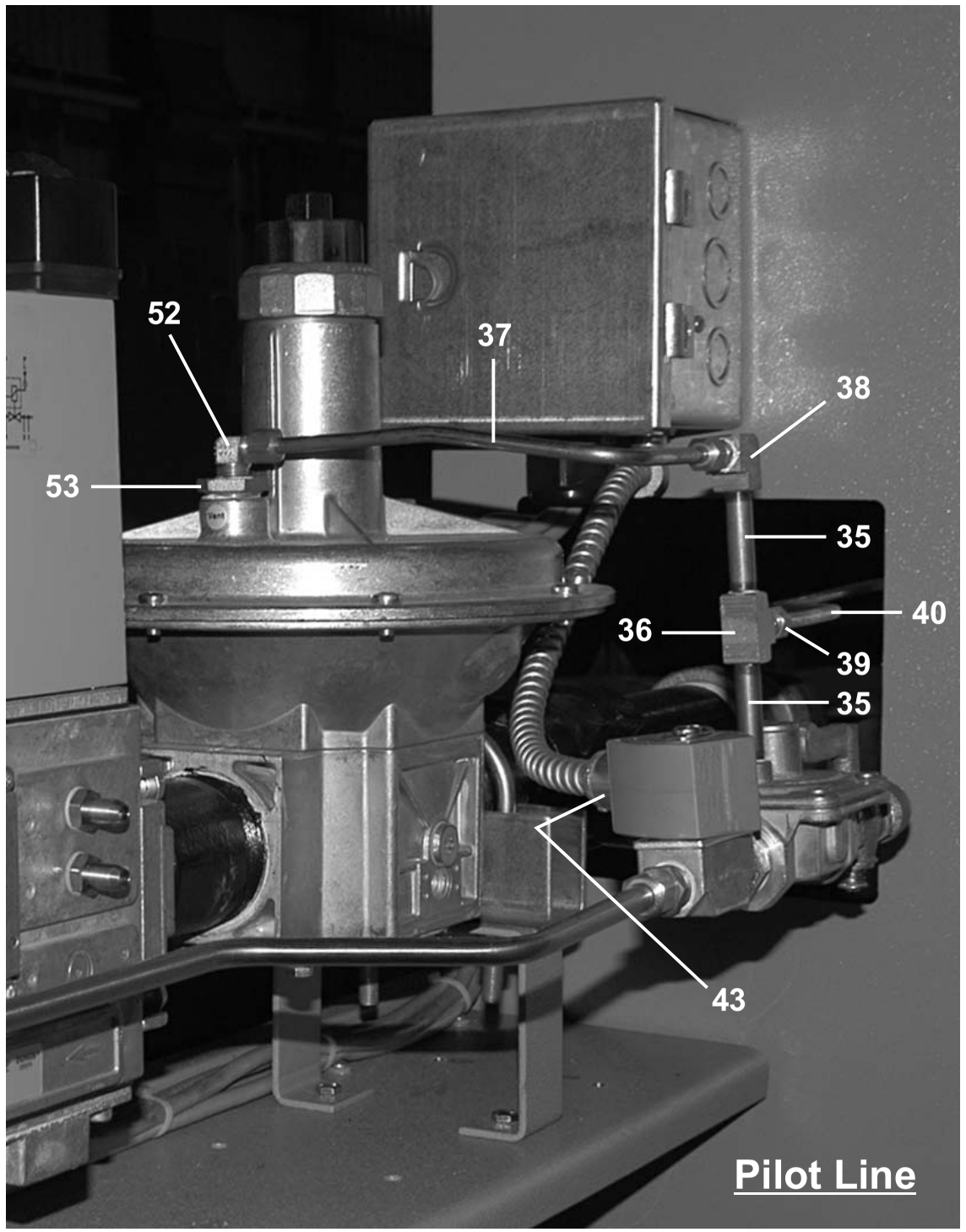

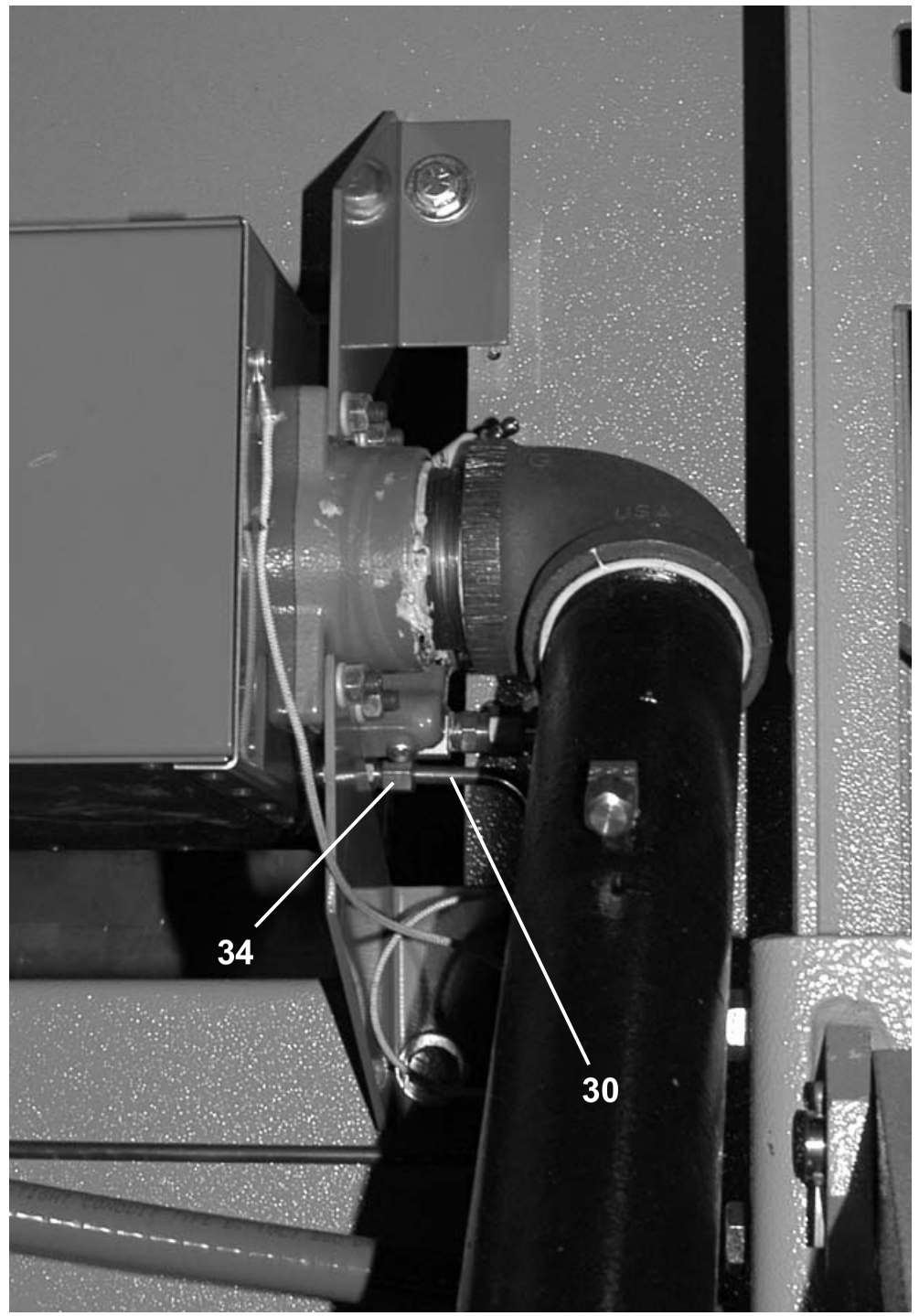

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Parts List—CSA Gas Piping

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A77VG011	6458 GAS TRAIN ENTRY SECTION	6458,6464
	B	A79VG011	7272 GAS TRAIN ENTRY SECTION	7272
	C	A77VG014	6458 2V NOVENT-CSA BLW LEFT	6458TG1L,6464TG1L
	D	A77VG014A	6458 2V NOVENT-CSA BLW RITE	6458TG1R,6464TG1R
	E	A79VG014	7272 2V NOVENT-CSA BLW LEFT	7272TG1L
	F	A79VG014A	7272 2V NOVENT-CSA BLW RITE	7272TG1R
	G	A77VG015	6458 GAS TRN VERT SECT=CSA	6458,6464
	H	A79VG015	7272 GAS TRN VERT SECT=CSA	7272
	J	A77VG013	6458 PILOT GAS PIPE	6458,6464
	K	A79VG013	7272 PILOT GAS PIPE	7272
			----------COMPONENTS----------	
A	1	5N1K07KF42	NPT NIP 1.5X7.5 TBEBLKSTL Sk40	
B	1	5N2A07AB42	NPT NIP 2X7 TBE BLKSTL Sk40	
A	2	5S1KMFA0K	NPT TEE 1.5X1.5X1/2 BLKMAL150#	
B	2	5S2AMFA0K	NPT TEE 2X2X1/2 BLKMAL 150#	
A	3	5N1K05AF42	NPT NIP 1.5X5 TBE BLKSTL Sk40	
B	3	5N2A04AB42	NPT NIP 2X4 TBE BLKSTL SK40	
C	4	A77VG020	1.5"VALTRAIN 2MILBTU LF TO RT	
D	4	A77VG020A	1.5"VALTRAIN 2MILBTU RT TO LFT	
E	4	A79VG020	2.0"VALTRAIN 3MILBTU LF TO RT	
F	4	A79VG020A	2.0"VALTRAIN 3MILBTU RT TO LFT	
C,D	5	5N1K04AF42	NPT NIP 1.5X4 TBE BLKSTL Sk40	
E,F	5	5N2A04KB42	NPT NIP 2X4.5 TBE BLKSTL SK40	
C,D	6	5SL1KMFA	NPT ELB 90DEG 1.5 BLKMAL 150#	
E,F	6	5SL2AMFA	NPT ELB 90DEG 2" BLKMAL 150#	
C,D,E,F	7	51T311	FLAMEARREST VNTSCREEN.375BRASS	
G	8	5SU1KMF	NPT UNION 1.5" BLKMAL 150#	
H	8	5SU2AMF	NPT UNION 2" BLKMAL 150#	
G	9	5N1K03KF42	NPT NIP 1.5X3.5 TBE BLKSTL S40	
H	9	5N2A04KB42	NPT NIP 2X4.5 TBE BLKSTL SK40	
G	10	96G150C	1.5"GAS STOP VAL W/CK & RELUB	
H	10	96G200	2" GAS STOP VAL W/CK & RELUB	
G	11	5N1K38KF42	NPT NIP 1+1/2"X38+1/2"TBEBLK40	
H	11	5N2A42PF42	NPT NIP 2X42.75 TBE BLKSTL SK4	
G	12	5SL2AMFA1K	NPT ELB 90DEG 2X1.5 BLKMAL150#	
H	12	5SL2AMFA	NPT ELB 90DEG 2" BLKMAL 150#	
all	13	5N2A02KB42	NPT NIP 2X2.5 TBE BLKSTL Sk40	
J,K	14	5N0K03ABE2	NPT NIP 1/2X3 TBE BRASS STD	
J,K	15	5SL0KBEA0G	NPTELB 90DEG 1/2X3/8 BRASS 125	

Parts List, cont.—Document Name

Used In	Item	Part Number	Description	Comments
J,K	16	5N0G02ABE2	NPT NIP 3/8X2 TBE BRASS STD	
J,K	17	96G030	3/8GAS STOP VAL W/CKLEVER HDL	
J,K	18	5N0G02ABE2	NPT NIP 3/8X2 TBE BRASS STD	
J,K	19	5SR0K0GBE	NPT RED 1/2X3/8 BRASS 125#	
J,K	20	96J507	1/2"INLET GASREG LEVER ACTING 7"W.C-MAXITRL	
J,K	24	96TCC2BA37	3/8" N/C 2WAY 120V50/60C VALVE	
J,K	25	53A026	BODYMALECON3/8X3/8 #68C-6-6B	
J,K	26	87Z010	TUBE 3/8"ODX.035" SS304 *20RM	
J,K	27	53A023	MALECON3/8X.25COMP ANCHR#68-64	
J,K	28	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL	
J,K	29	51V015	TEE 1/4 FGDBRASS 101T7-444	
J,K	30	87Z010	TUBE 3/8"ODX.035" SS304 *20RM	
J	31	27A032	UBOLT 1.5"PIPE 3/8-16X3-3/4LEG	
K	31	27A032N	UBOLT 2"PIPE 3/8-16 ZNC4.87"LG	
J	32	02 16306	CLAMP 1+1/2 PIPE	
K	32	02 18995	CLAMP=2"PIPE	
J	33	07 71318	6458 PILOT LINE SUPPORT	
K	33	07 81318	7272 PILOT LINE SUPPORT	
J,K	34	53A026	BODYMALECON3/8X3/8 #68C-6-6B	
J,K	35	5N0C02ABE2	NPT NIP 1/8X2 TBE BRASS STD	
J,K	36	51V010A	TEE 1/8"BRSEXTR BLOCTYP#2203P2	
J,K	37	87Z00EX035	TUBE=1/4"ODX.035WL 316LSS*20RM	
J,K	38	53A031B	BODY-EL90MALE.25X1/8 #269C-42B	
J,K	39	53A005B	BODYMALCON1/4X1/8COMP #B68A-4A	
J,K	40	87Z00EX035	TUBE=1/4"ODX.035WL 316LSS*20RM	
J,K	42	12F011	3/8" UL FLEX STEEL CONDUIT	
J,K	43	12M035	3/8" SCREW-IN CONNECTOR	
C,D,E,F	44	09V290A	CABLE #18/4 SJTO 7/16"OD 250'	
C,D,E,F	45	12M043F050	LIQTITE 1/2" STR. FITTING	
C,D,E,F	47	12M043F100	LIQTITE 1" STR. FITTING	
C,D,E,F	48	5N2A05KB42	NPT NIP 2X5.5 TBE BLKSTL Sk40	
H ONLY	49	5SL2AKFA	NPT ELBO 45DEG 2" BLK 150#	
J,K	50	51P013	PLUG HXCNTRSUNK 1/4"BRASS	
J,K	51	5SB0G0EBEO	NPTHEXBUSH 3/8X1/4 BRASS 125#	
J	52	53A008B	BODYMALECON.25X.25COMP#B68A-4B	
K	52	53A043G	EL90 3/8X1/4COMP.AND#69A-6B	
K	53	5SB0K0GBEO	NPTHEXBUSH 1/2X3/8 BRASS 125#	

Firebox, Burner & Combustion Air

6458TG1R, TG1L 6464TG1R,TG1L 7272TG1R, TG1L

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

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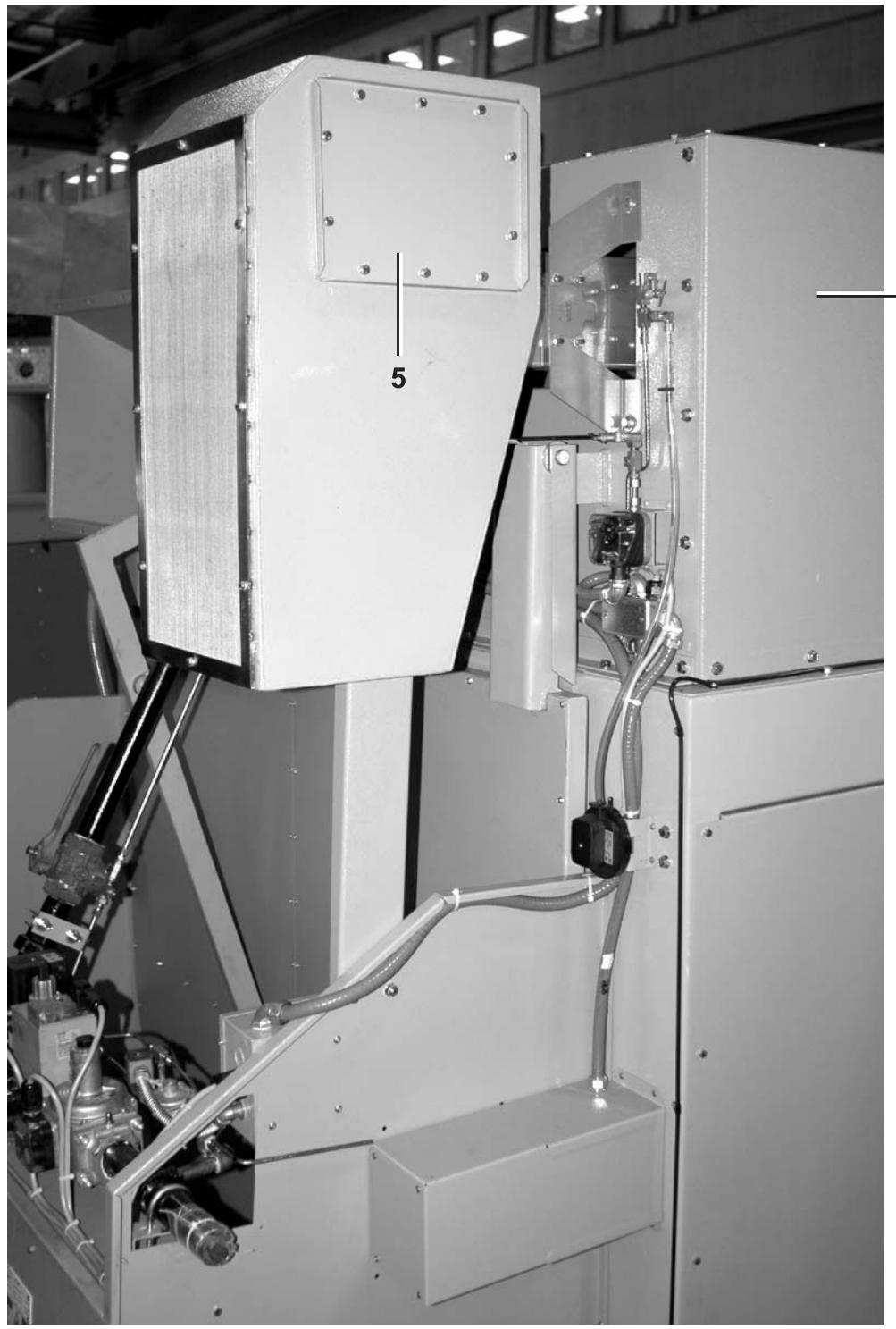
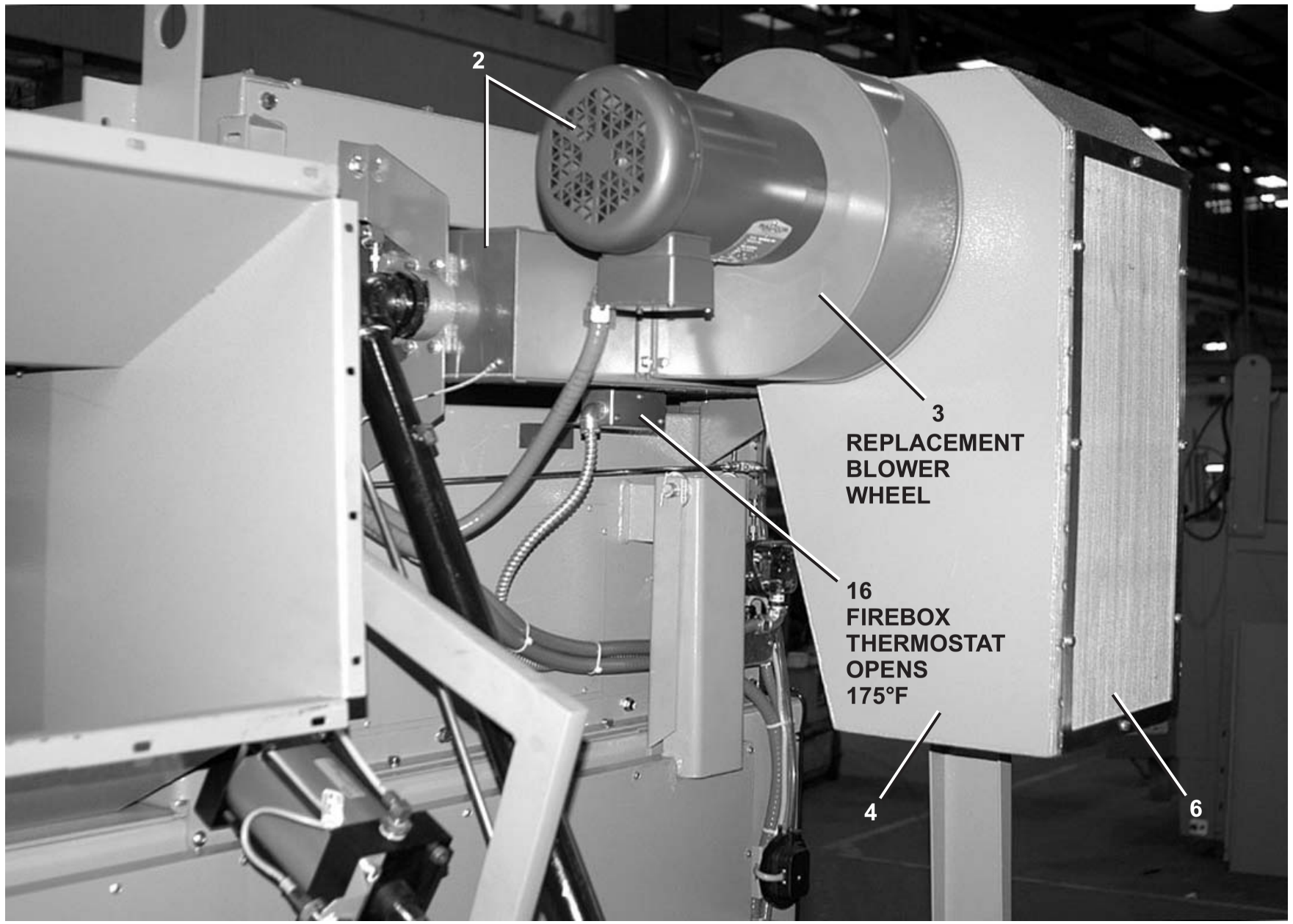


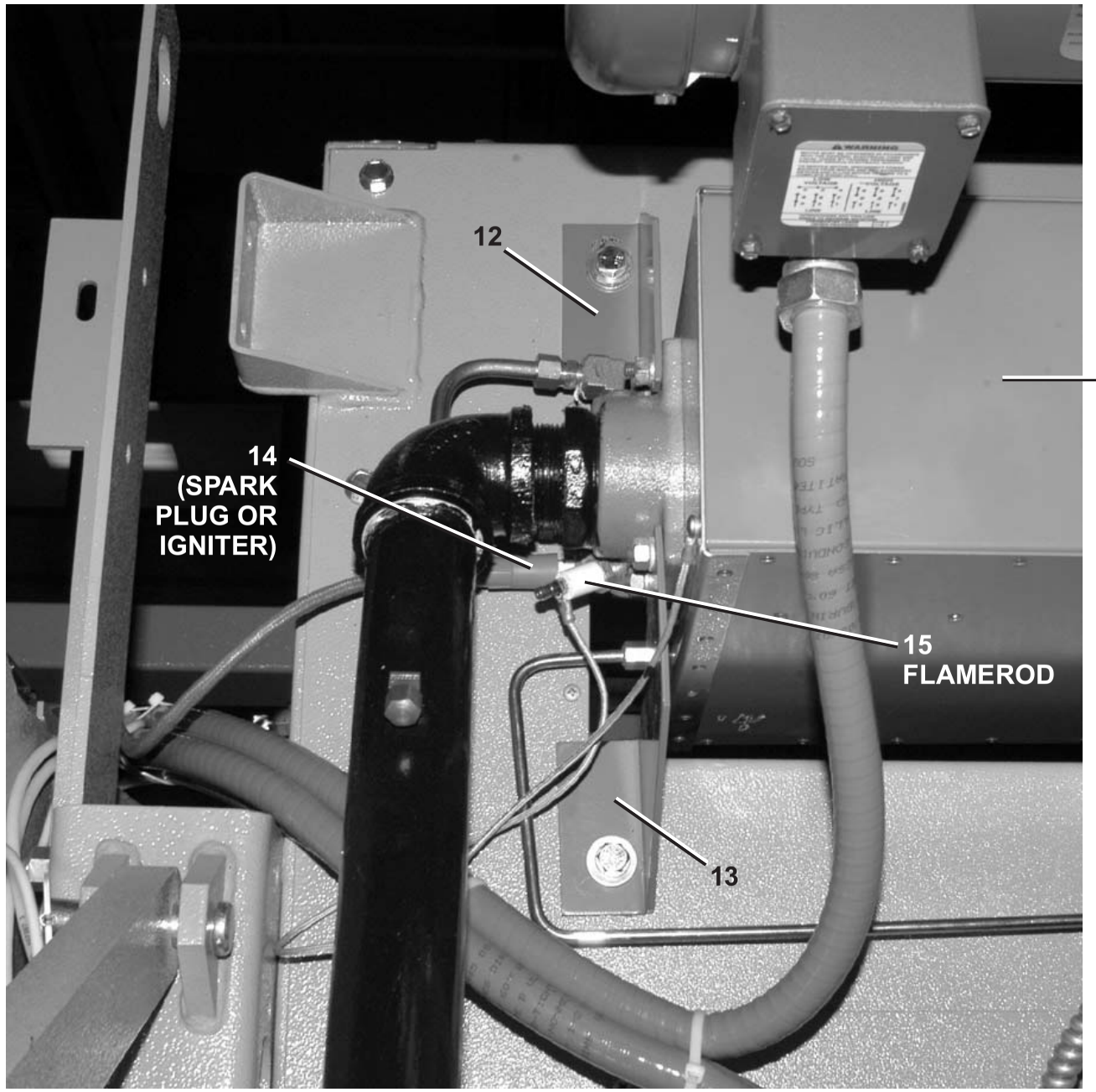


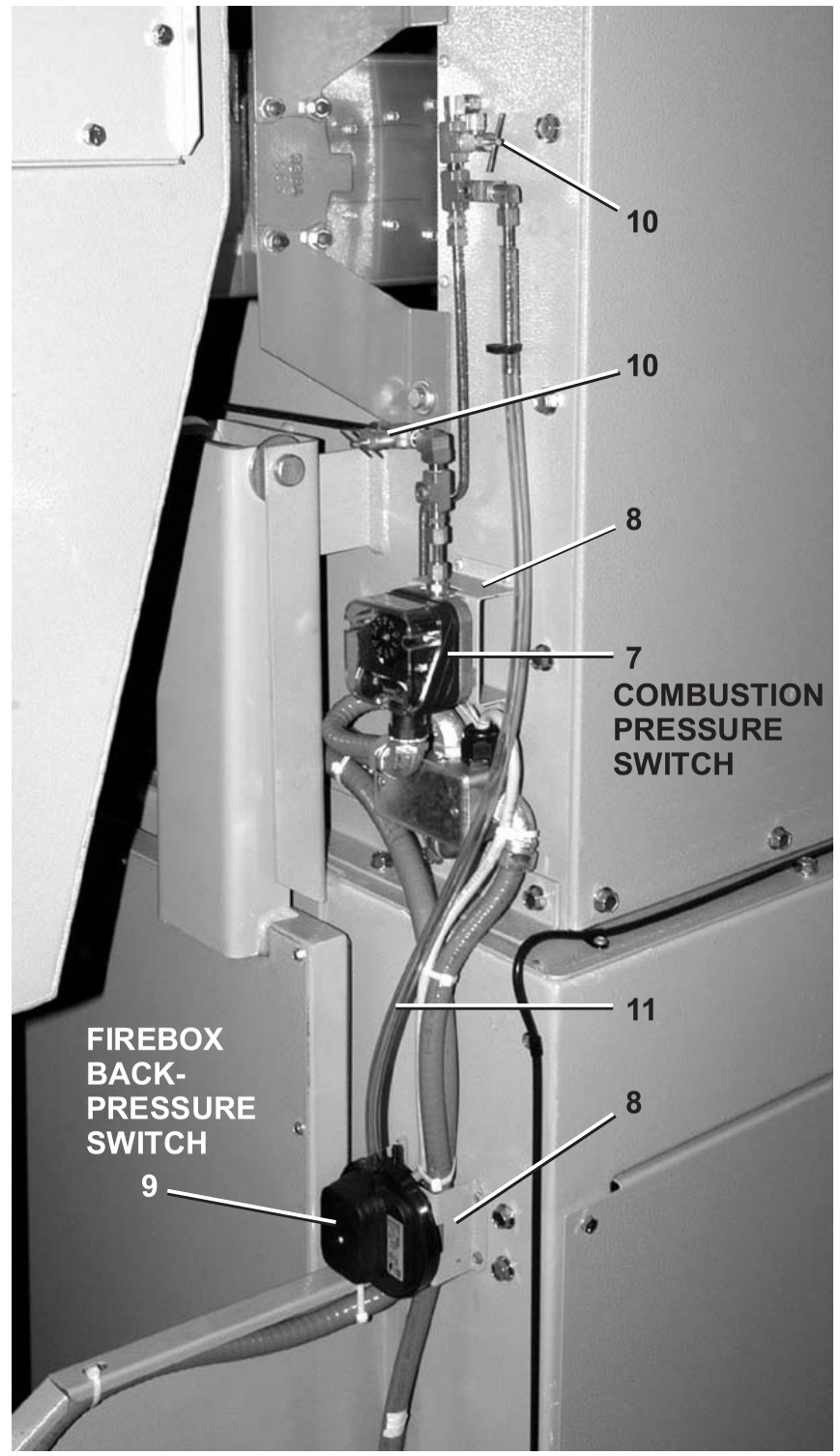
Firebox, Burner & Combustion Air

6458TG1R, TG1L 6464TG1R,TG1L 7272TG1R, TG1L

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





Pellerin Milnor Corporation
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Litho in U.S.A.

Parts List—Firebox, Burner, Combustion Air

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A77FB003A	6458 BURNER ASSEMBLY	6458, 6464 LEFT
	B	A77FB003B	6458A BURNER ASSEMBLY	6458,6464 RIGHT
	C	A79FB003	7272 BURNER ASSEMBLY	7272 LEFT
	D	A79FB003A	7272A BURNER ASSEMBLY	7272 RIGHT
	E	A77CP001	6458 COMB. PRES. SW. ASSY	
	F	G77FB001B	6458 FIREBOX INSTALL	LEFT
	G	G77FB001C	6458A FIREBOX INSTALL	RIGHT
	H	G77FT001	6458 FIREBOX THERMOSTAT	
	J	A77FP001	6458 FIREBOX PRESSURE SW ASSY	
	K	EC61DGFB37	M5 6458 GAS FIRE EYE ASSY	U.S.
	L	EC61DGFC37	M5 6458 GAS L&G FIRE CNT ASSY	CE (EUROPE)
			----------COMPONENTS----------	
A	1	A77FB001B	6458 FIREBOX ASSEMBLY	
B	1	A77FB001C	6458A FIREBOX ASSEMBLY	
C	1	A79FB001	7272 FIREBOX ASSEMBLY	
D	1	A79FB001A	7272A FIREBOX ASSEMBLY	
AB	2	25AB242	BURNR/BLWWHEL 160AH 2MLW/201AH	
CD	2	25AB243	BURNER/BLOWRWHEL #240AH W201AH	
all	3	25AB242BW	BLOWERWHEL FOR 160AH 240AH BNR	
A	4	W7 71010	WLMT=COMB AIR 6458	
B	4	W7 71010A	WLMT=COMB AIR 6458A	
C	4	W7 81010	WLMT=COMB AIR 7272	
D	4	W7 81010A	WLMT=COMB AIR 7272A	
all	5	07 71014	COVER=CLEAN OUT 6458COMB AIR	
AB	6	W7 71035	WLMT=6458 COMB AIR SCREEN	
CD	6	W7 81035	WLMT=7272 COMB AIR SCREEN	
K	7	09N19106B	GAS PRESS SW RANGE .2-2.4"WC	U.S.
L	7	09N19106C	GAS PRESS SW RANGE .2-2.4"WC=CE	CE (EUROPE)
all	8	03 BL3X4	PRESSURE SWITCH BRACKET 6458	
K	9	09N19111	AIR PRESSW RANGE .08-.4	U.S.
L	9	09N19111A	AIR PRESSW RANGE .08-.4 CE	CE (EUROPE)
all	10	96H018	ANGLE NEEDLE VLV 1/4"T X 1/8MP	
all	11	60E005D	TUBING 1/4"IDX7/16"OD EXCELLON	
all	12	07 71067	6458 BURNER SUPP BKT TOP LF	
all	13	07 71067A	6458 BURNER SUPP BKT TOP LF	
all	14	25AS002	SPARK PLUG W/GROUND #I-3	
all	15	25AR001A	BURN FLAME ROD #FRS-4-6 UNCUT	
all	16	30RA175T	THERMOSTAT OPENS AT 175F	

Parts List, cont.—Firebox, Burner, Combustion Air

Used In	Item	Part Number	Description	Comments

Gas Fire Eye Assembly

6458TG1L/R 6464TG1L/R 7272TG1L/R

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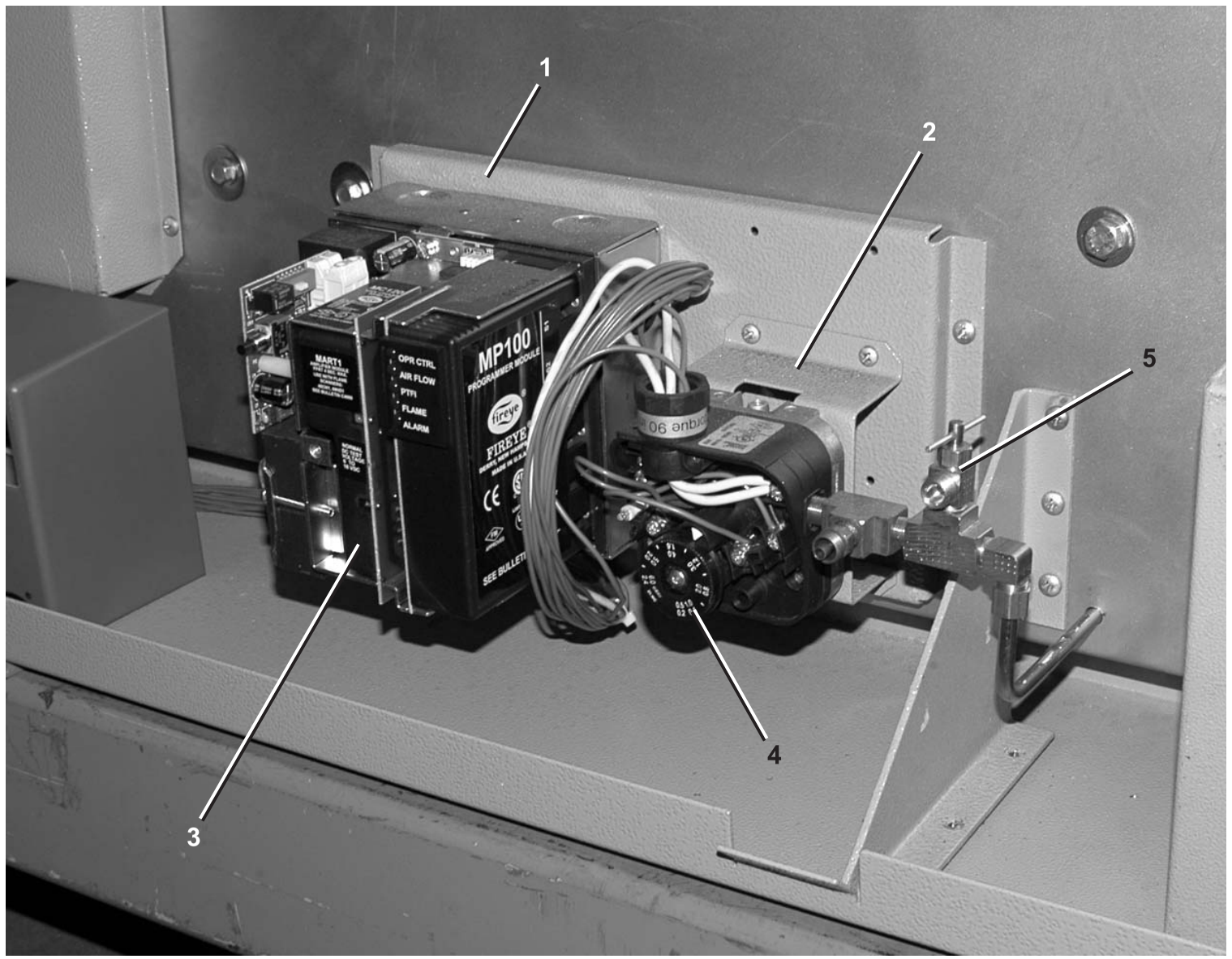
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



Parts List—Gas Fire Eye Assembly

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

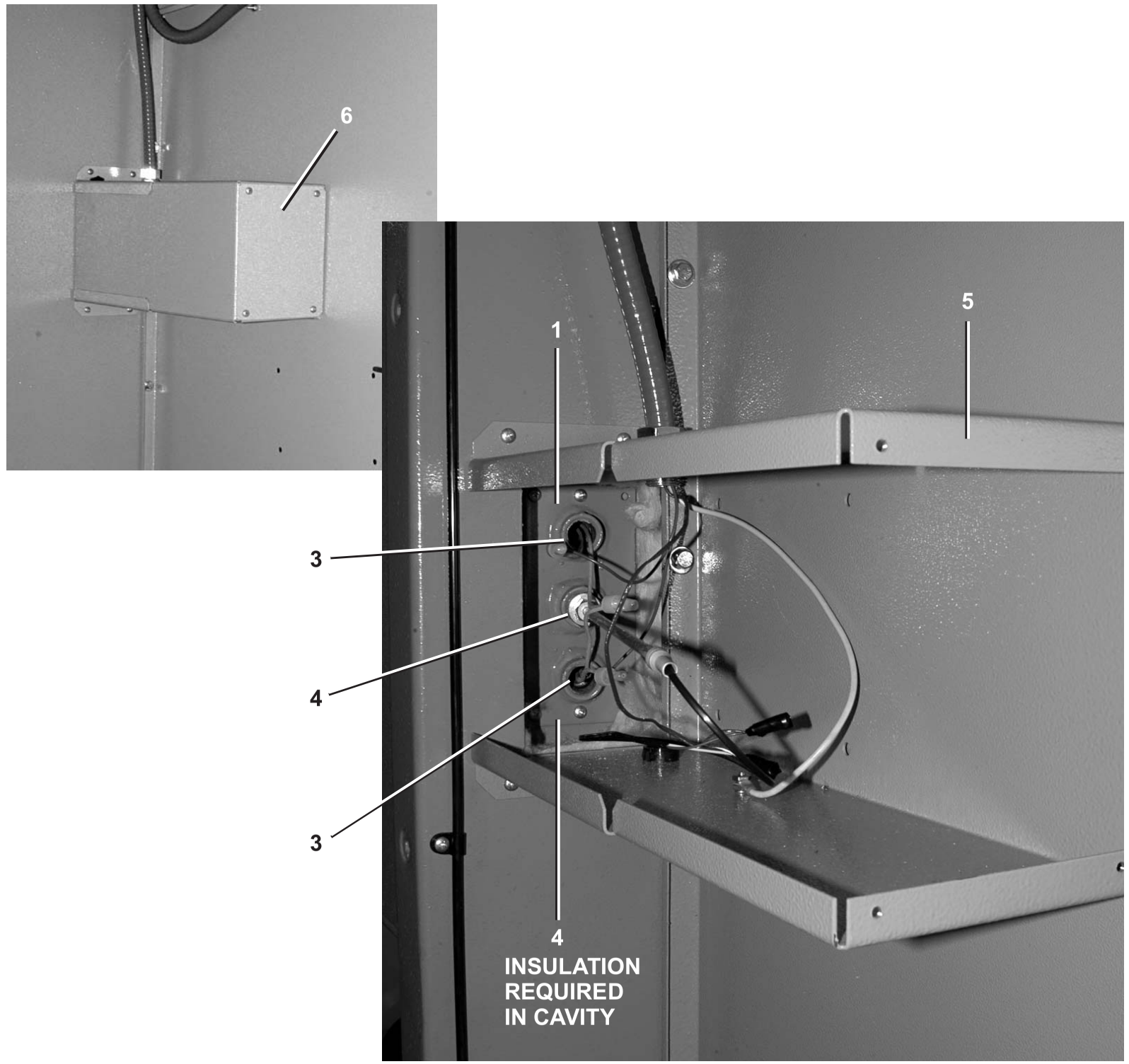
Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	EC61DGFB37	M5 6458 GAS FIRE EYE ASSY	
			----------COMPONENTS----------	
all	1	07 71207	6458 FIREEYE MOUNT BKT	
all	2	03 BL3X4	PRESSURE SWITCH BRACKET 6458	
all	3	09N19106B	GAS PRESS SW RANGE .2-2.4"WC	
all	4	10Y6DR6FE	MK V 64 DRYER FIRE EYE	
All	5	96H018	ANGLE NEEDLE VLV 1/4"T X 1/8MP	

Inlet Probe Assembly

6458TG1L/R 6464TG1L/R 7272TG1L/R

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



Parts List—Inlet Probe Assembly

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A77TP001	6458 INLET PROBE ASSEMBLY	
			----------COMPONENTS----------	
all	1	W3 BF3X5C	6458 INLET TEMP PROBE HOLDER	
all	2	30R0045PP	DRYER T/C 24" PROBE ASSY	
all	3	30R0550P	THERMOSW.FENWAL CLOSE @ 550F	
all	4	98P030	INSUL.FIBRGLS.24X48X1+1/2E=1SH	
all	5	07 71306	6458 TEMP PROBE BOX	
all	6	07 71307	6458 TEMP PROBE BOX COVER	

Steam Assemblies 6

Steam Components

6458TS1R/L 6464TS1R/L 7272TS1R/L

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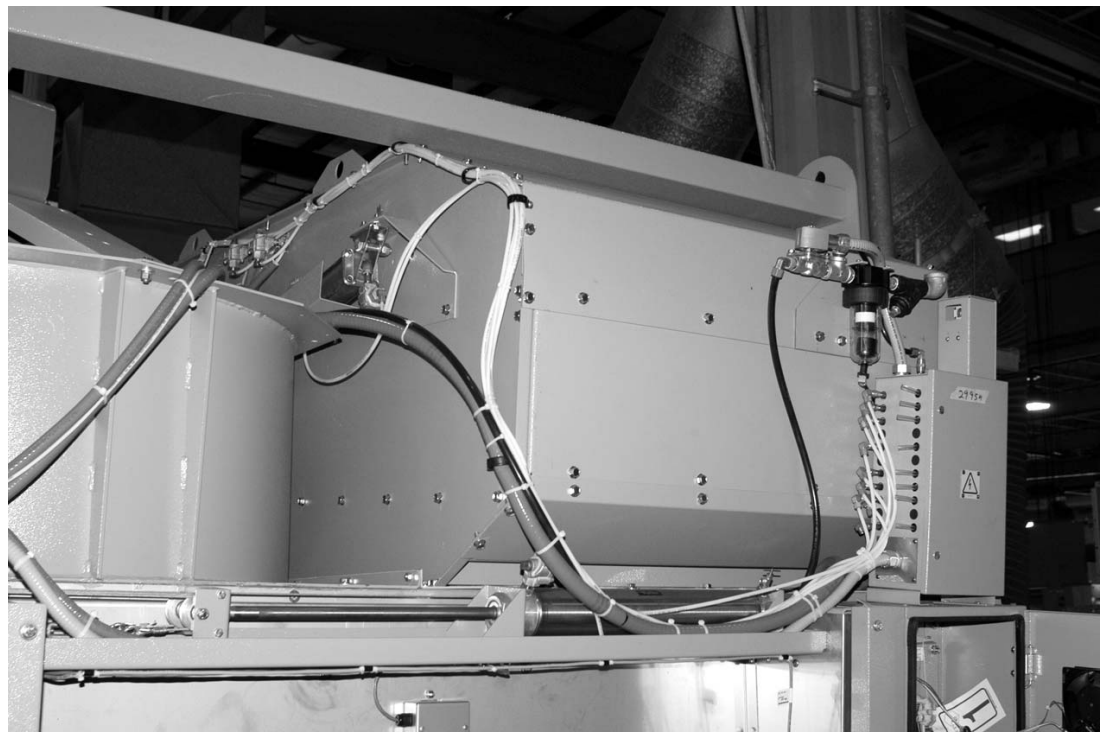
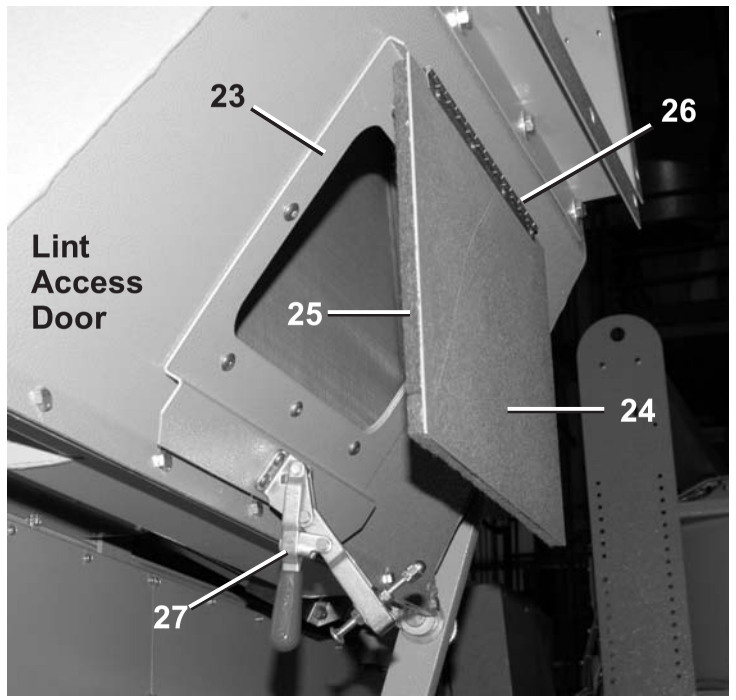
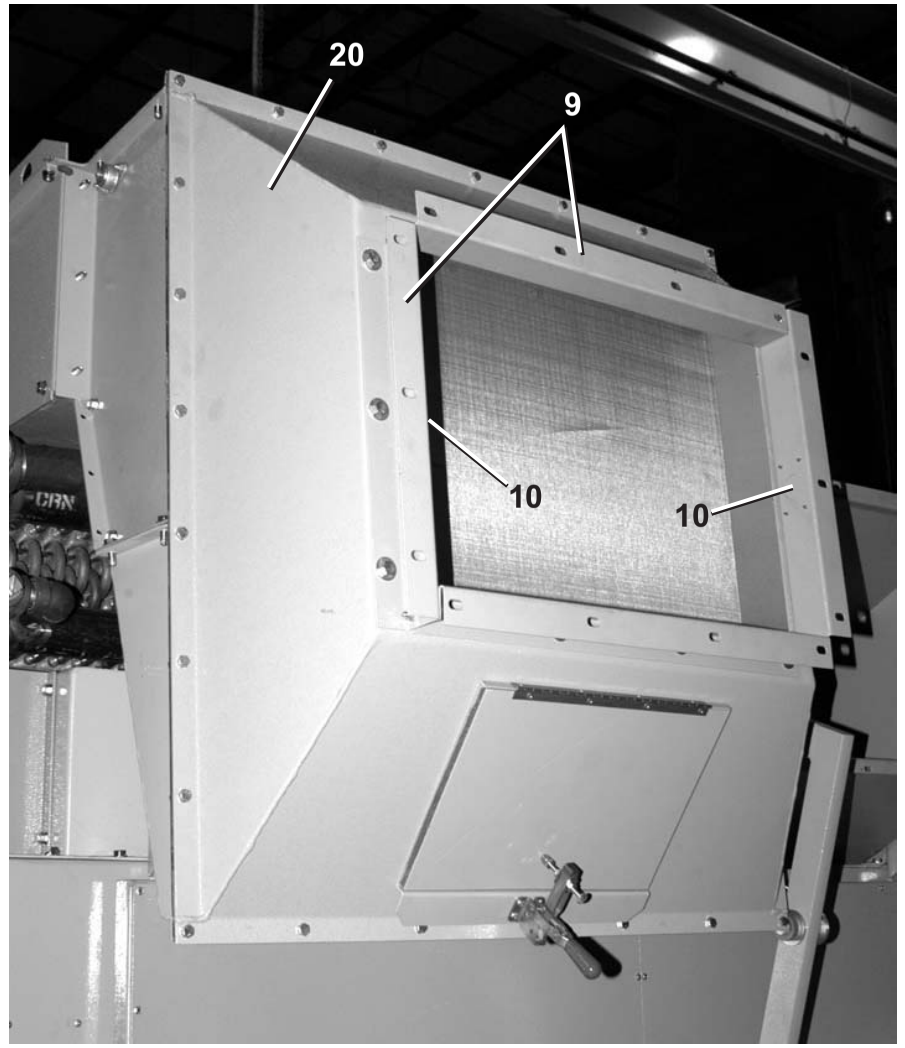
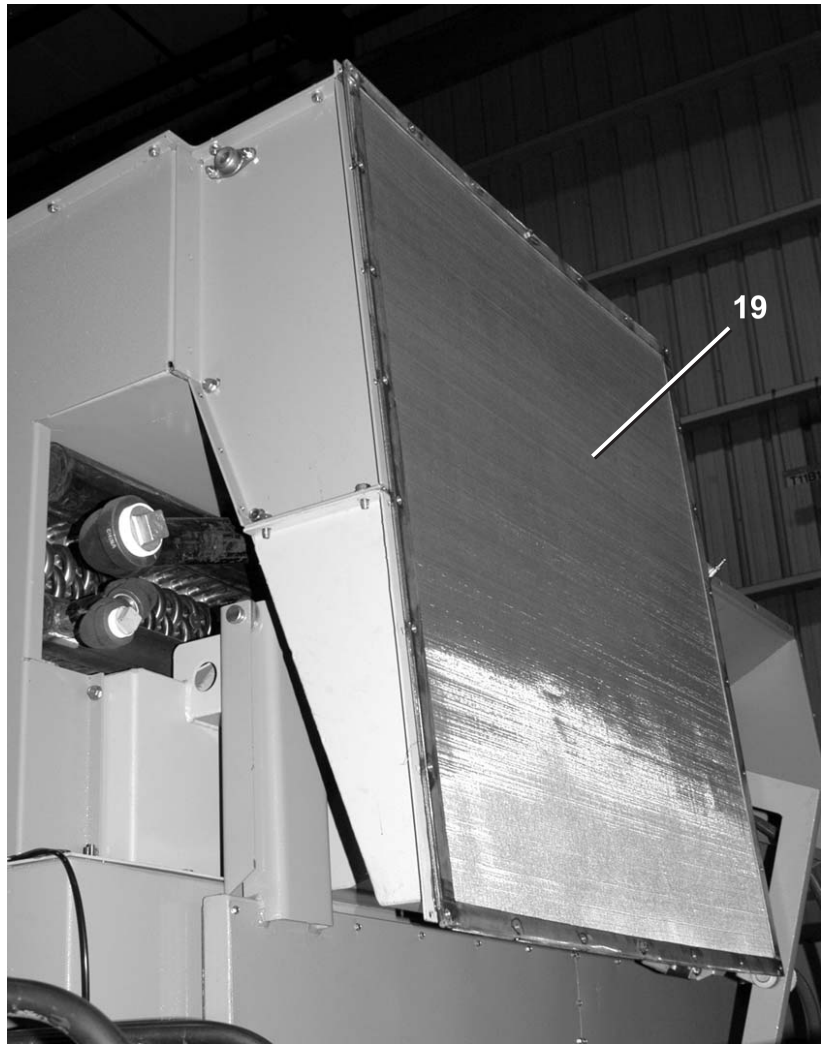
Litho in U.S.A.







Lint Duct To Rear Transition



Lint Screen

Steam Components

6458TS1R/L 6464TS1R/L 7272TS1R/L

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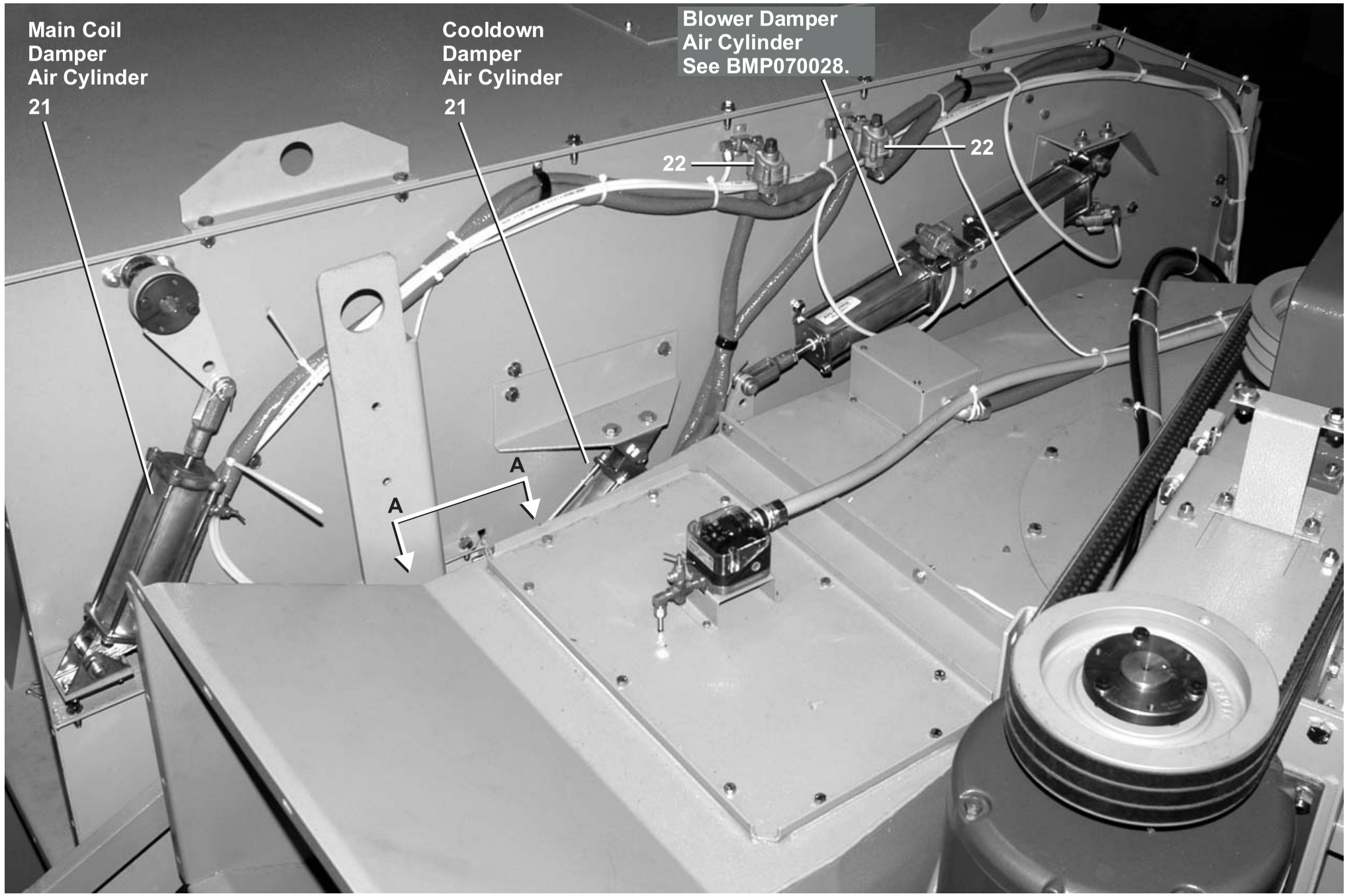
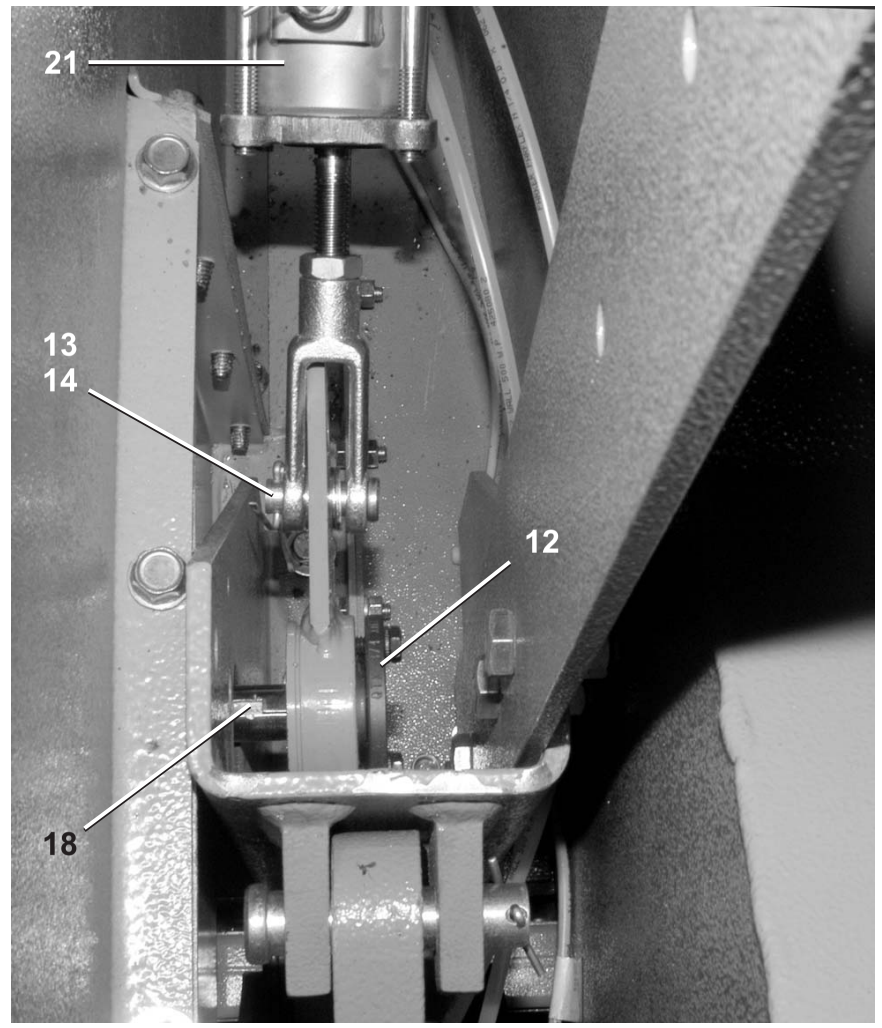
Litho in U.S.A.

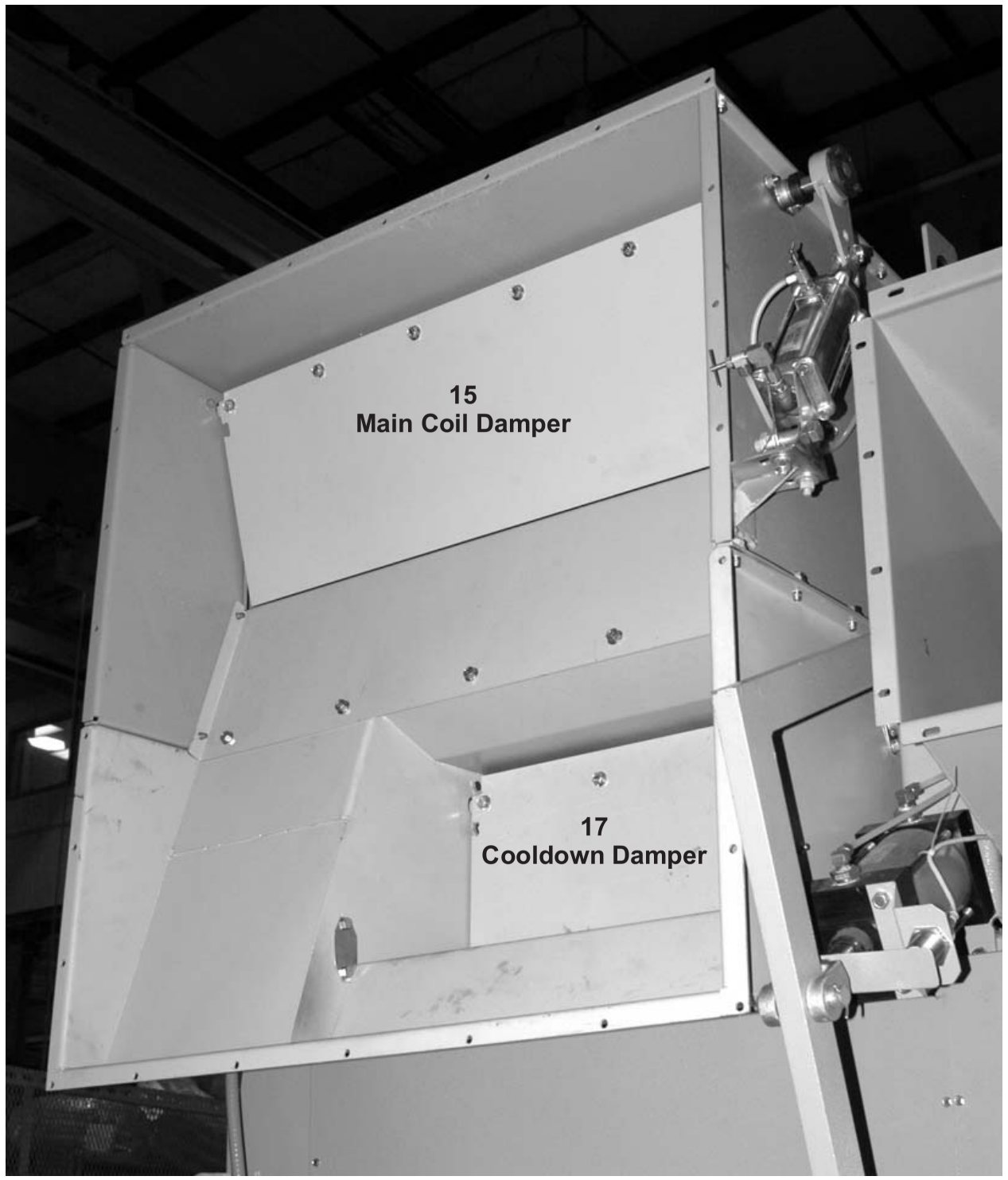


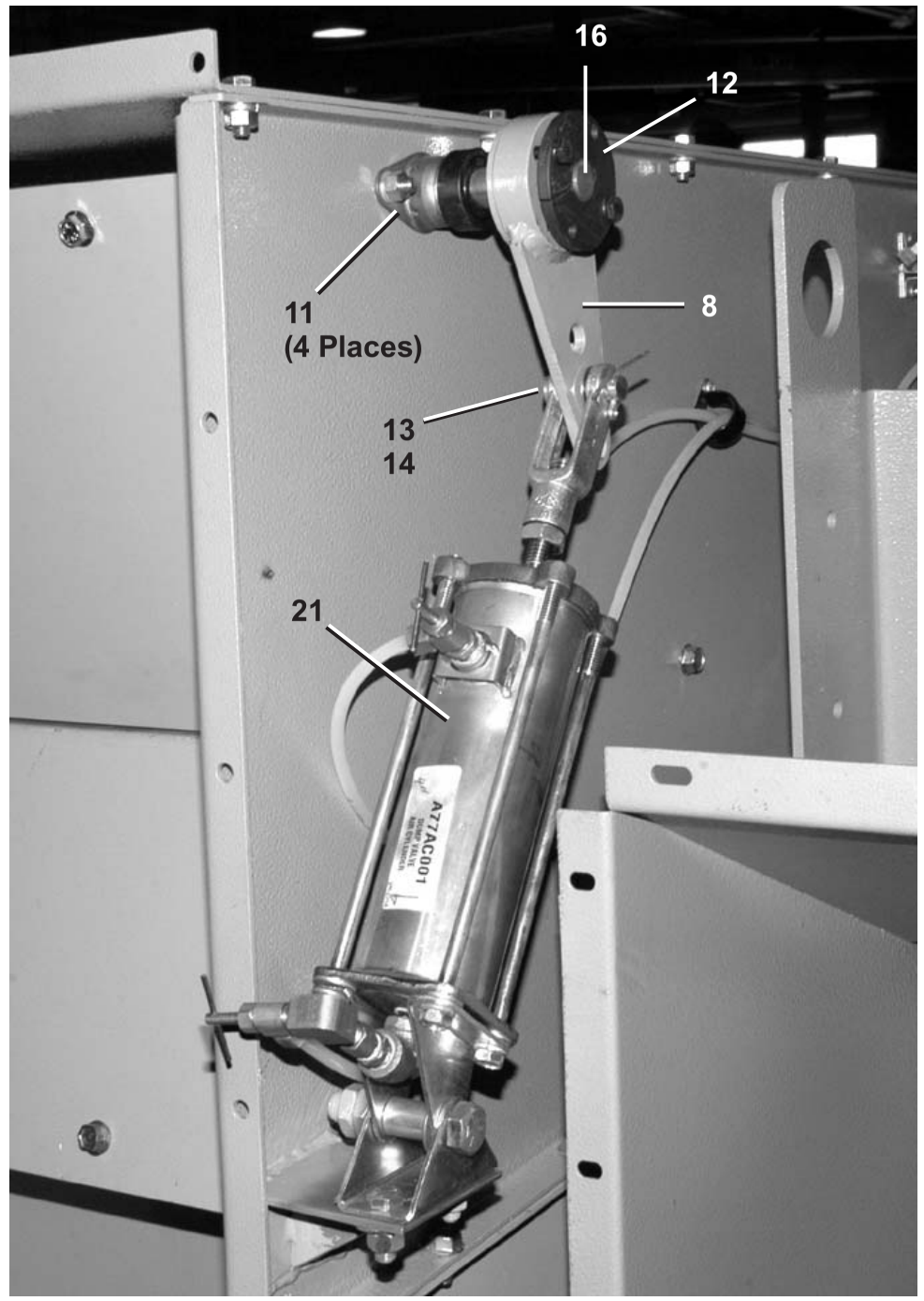


View A-A
Cooldown Damper Air Cylinder

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.





Main Coil Damper Air Cylinder

Steam Components

6458TS1R/L 6464TS1R/L 7272TS1R/L

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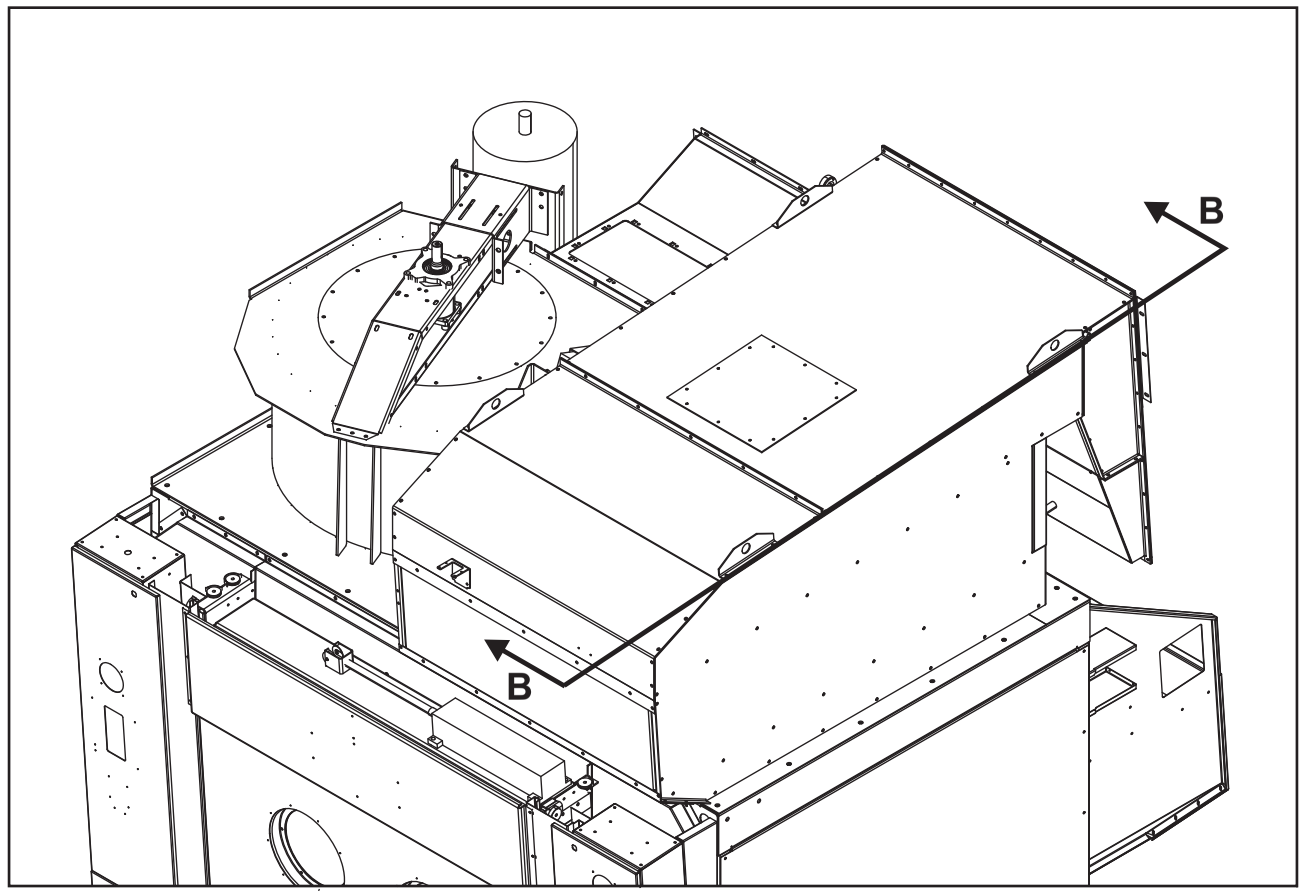
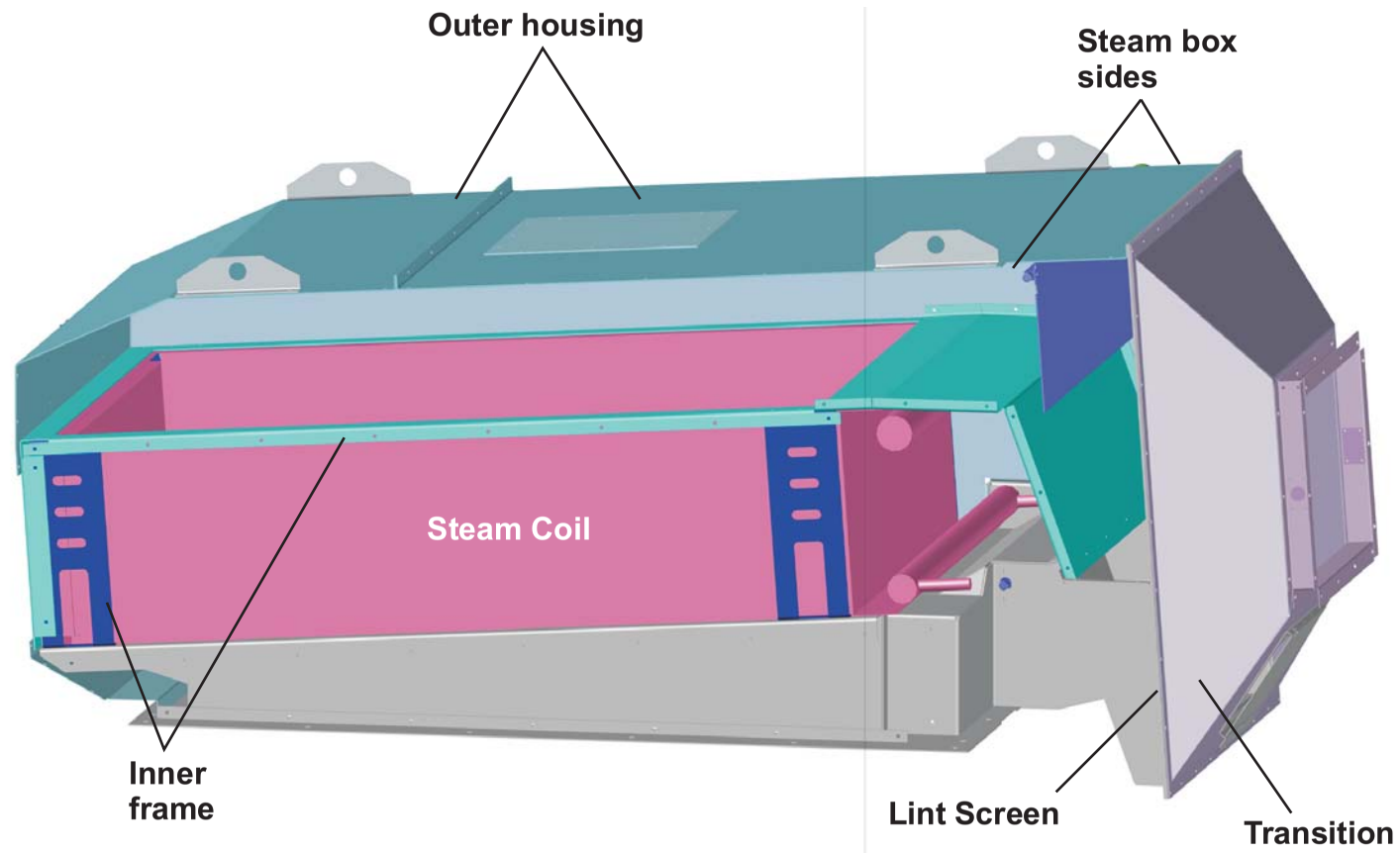


Steam Box

To remove the steam coil, the outer housing, the steam box sides, the inner steam coil frame, the lint screen and transition need to be removed.



Section B-B

Steam Components

6458TS1R/L 6464TS1R/L 7272TS1R/L

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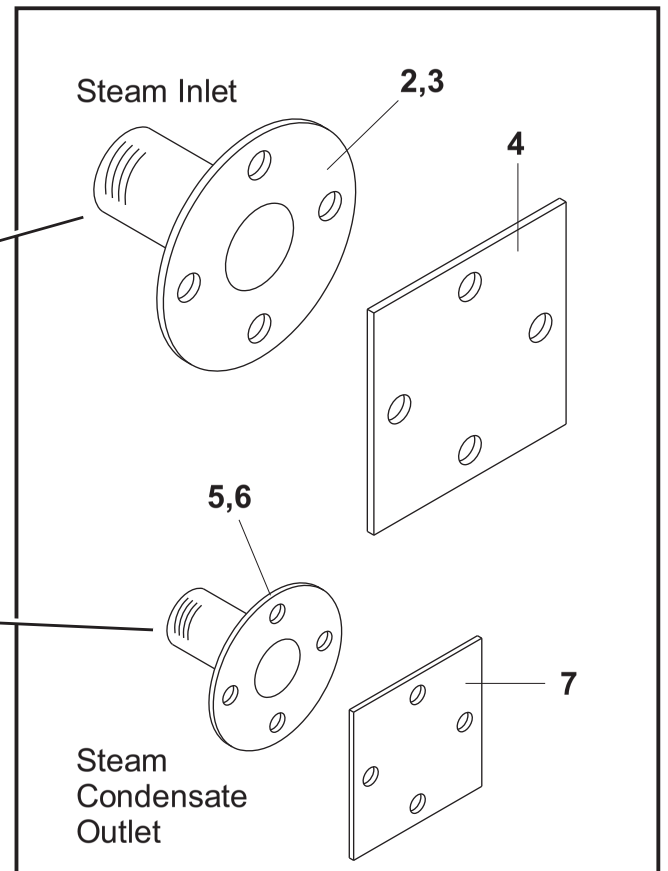
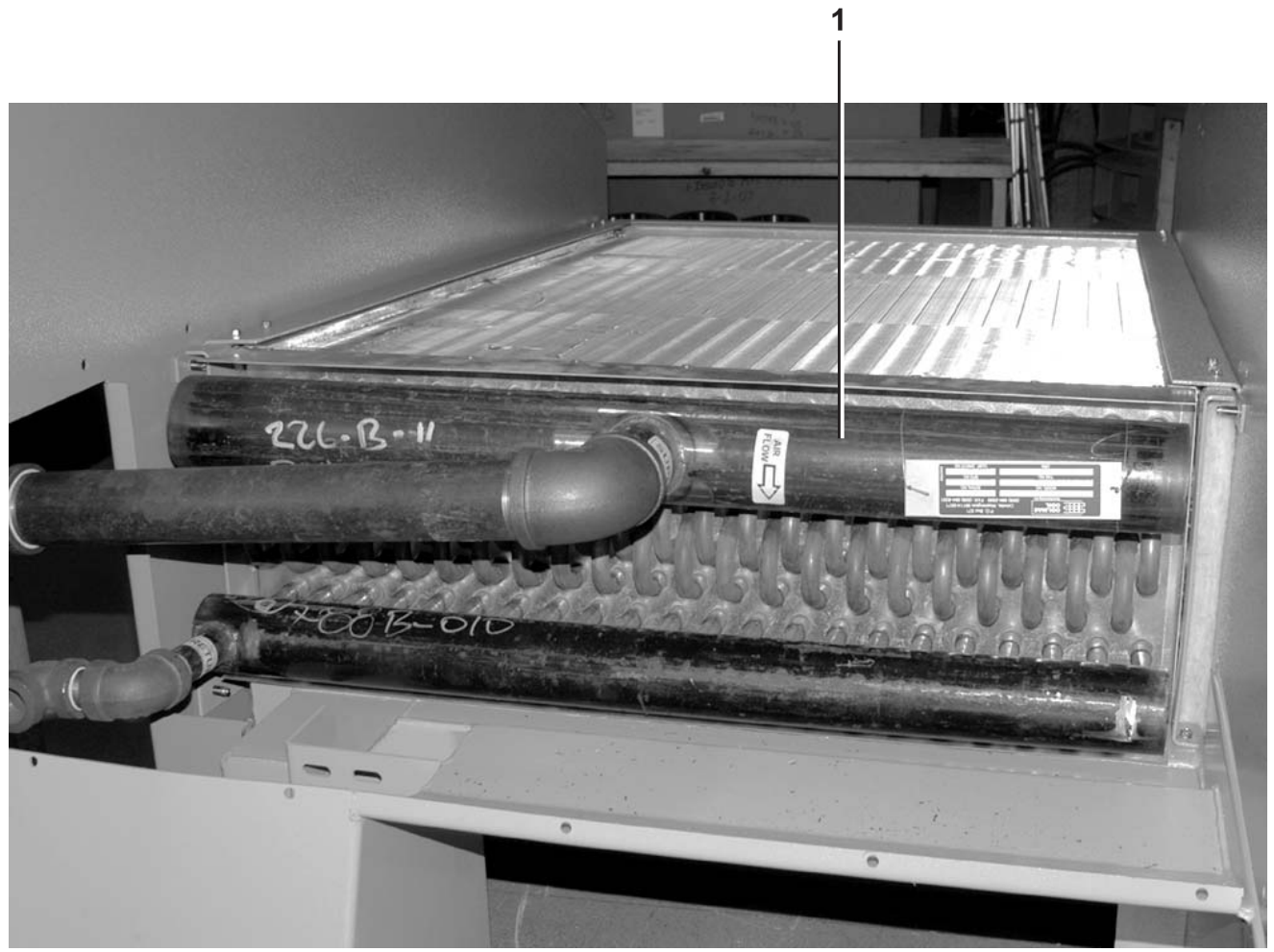
Litho in U.S.A.



Flanged connections and covers are shippped with the machine. Replace plugs with flanged connections. Install covers until final steam connections are made.



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Litho in U.S.A.

Parts List—Low Profile Steam

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	G77SB002A	6458 LOW STEAM BOX RIGHT	
	B	A77LC007A	6458 STM LINT DOOR ASSY	
			----------COMPONENTS----------	
all	1	27HS3452FL	STEAMCOIL 34.5"X52" CARB LFT	
all	1	27HS3452FR	STEAMCOIL 34.5"X52" CARB RGT	
all	1	27HS3452SL	STEAMCOIL 34.5"X52" SS LEFT	
all	1	27HS3452SR	STEAMCOIL 34.5X52 STAINLESS RT	
all	1	27HS4566FR	STEAMCOIL 45"X66" CARB RGT	
all	2	51KE2ANA	NPTFLANGE 2"CS 150#RAISED FACE	
all	3	51KE2ANGAK	2X4 STEAM FLANGE GASKET	
all	4	07 40609	STEAM COIL UPPER PLUG	
all	5	51KE1ANA	NPTFLANGE 1"CS, 150#RAISEDFACE	
all	6	51KE2ANAG	GSKT-1"FLANGE-1 5/16X 2 5/8	
all	7	07 40608	STEAM COIL INLET PLUG	
all	8	W7 71098	6458 BLOWER DAMPER ARM WELD	
all	9	07 71116	6458 FENWAL DUCT SIDE	
all	10	07 71115A	6458 FIRBOX FENWAL HOLE CVR	
all	11	54E015	FLGMTBRG 3/4 BORE BRZ #FLB12	
all	12	56Q0PH	3/4" BUSH VPUL TYPE H,D, OR QT	
all	13	17A040	CLEVIS PIN 1/2"X1+3/8" DRILLED	
all	14	15H051	STDCOTTERPIN 1/8X1+1/2ZINCPL	
all	14	07 71735	6458 STM- MAIN COIL DAMPER	
all	15	07 71735	6458 STM- MAIN COIL DAMPER	
all	15	07 85735	7272 STEAM BOX MAIN DAMPER	
all	16	X7 71738	6458 STM- SHAFT COIL DAMPER	
all	16	X7 71738	6458 STM- SHAFT COIL DAMPER	
all	17	07 71736	6458 STM- COOLDOWN DAMPER	
all	17	07 71736	6458 STM- COOLDOWN DAMPER	
all	17	07 85736	7272 STEAM BOX COOLDOWN DAMPER	
all	18	X7 71739	6458 STM- SHAFT COOL-DOWN	
all	18	X7 71739	6458 STM- SHAFT COOL-DOWN	

Parts List, cont.—Low Profile Steam

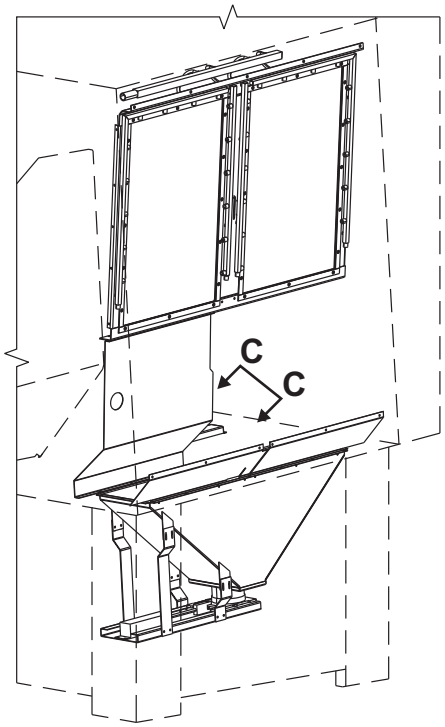
Used In	Item	Part Number	Description	Comments
all	18	X7 85739	7272 STEAM BOX COOLDOWN DAMPER SHAFT	
all	19	W7 71742	6458 - STM LINT SCREEN	
all	19	W7 85742	7272 STEAM BOX LINT SCREEN WLMT	
all	20	W7 71730A	6458 STM- INLET WLMT RT	
all	20	W7 71730A	6458 STM- INLET WLMT RT	
all	20	W7 85730A	7272 STEAM BOX INLET WLMT	
all	21	A77AC001	6458 STEAM 4" LARGE DAMP CYL	
all	22	96M055	DELTROL QUICK EXHAUST VLV.1/4"	
all	23	07 71750	LINT CLEAN OUT MOUNT	
all	24	07 71751	6458 STM LINT CLEANOUT CVR	
all	25	27A682	FELT 3/8"THK X 1"W SAE F-7	
all	26	X2 18682	HINGE=SOAP CHUTE LID-11 7/8"	
all	27	27A700	TOGGLECLAMP GOODHAND E=1	

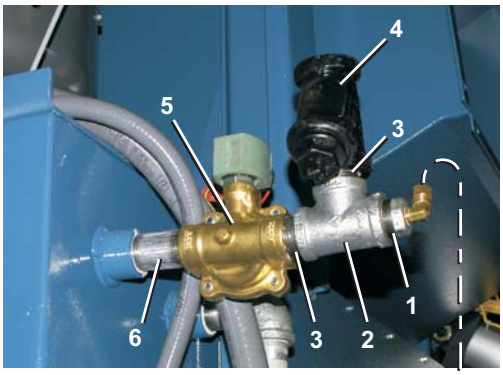
Pneumatics 7

Internal Lint Screens

5040, 64058, 64064, 72072 Dryers

Figure 1: Lint Air Inlet and Air Blade Valve Assembly

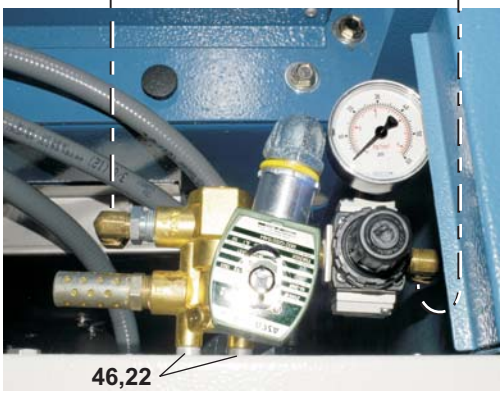


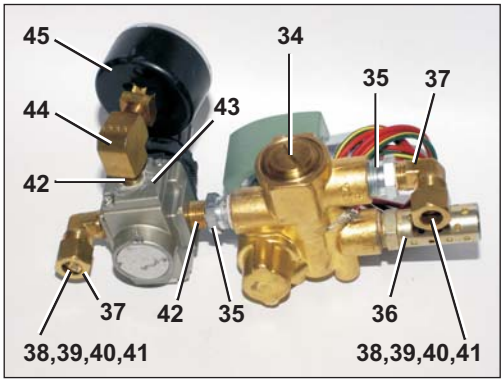


View A-A: Lint Air Inlet

To air blade valve assembly

To Air Blade



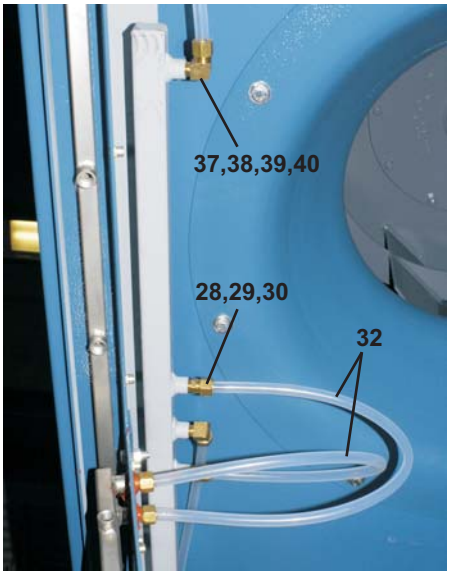


Air Blade Valve Assembly

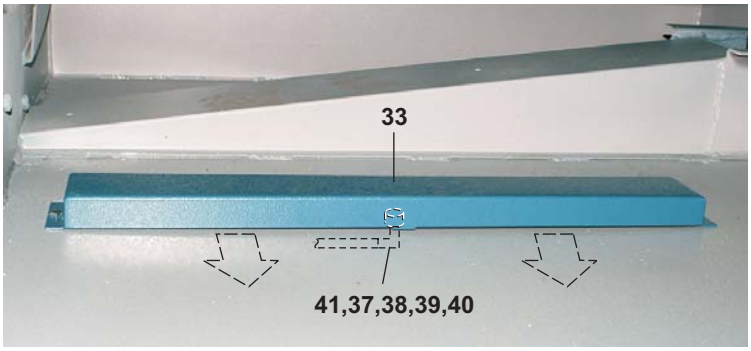
Internal Lint Screens

5040, 64058, 64064, 72072 Dryers

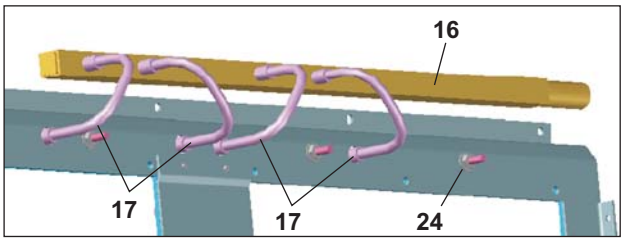
Figure 2: Lint Screens, Air Nozzles, Air Blade



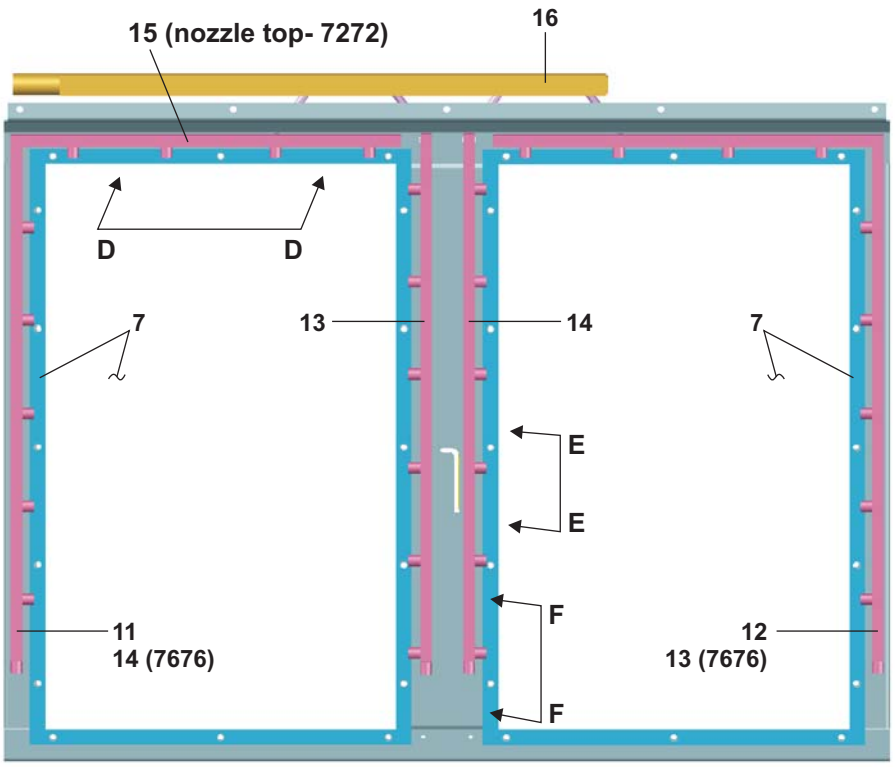
View B-B: Bottom View Nozzle Manifold (7676 Dryer shown)



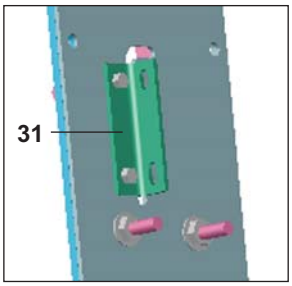
View C-C: Air Blade Manifold



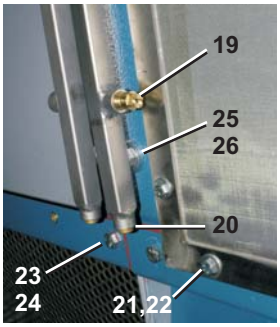
View D-D: Inside View Nozzle Manifold (6464 Dryer shown)



Outside View: Screens, Support Frame, Air Nozzles



View E-E: Inside View Screen Frame Bracket

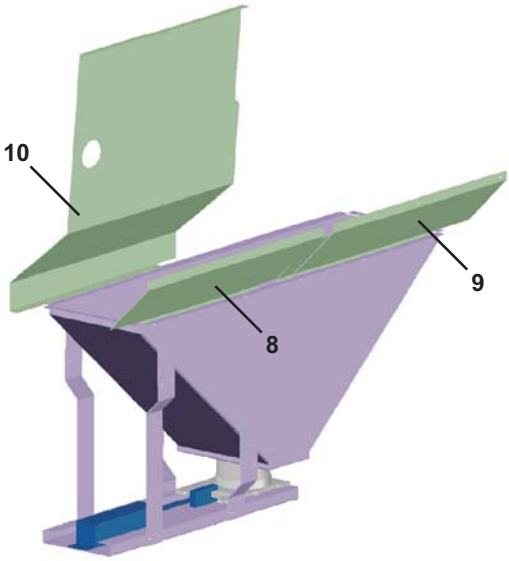


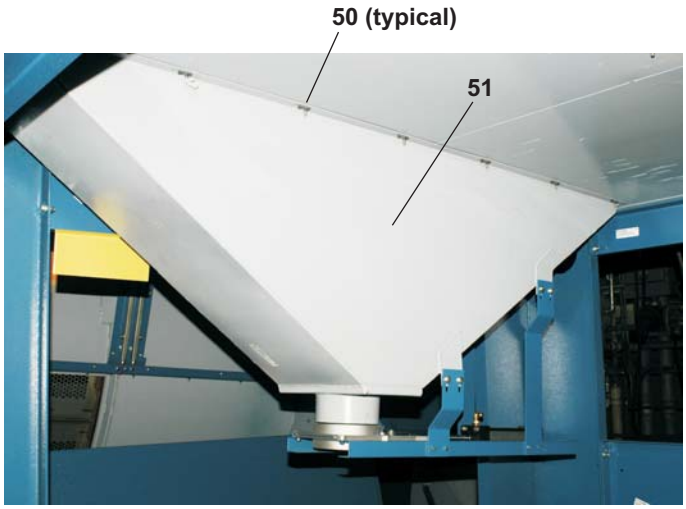
View F-F: Typical Hardware

Internal Lint Screens

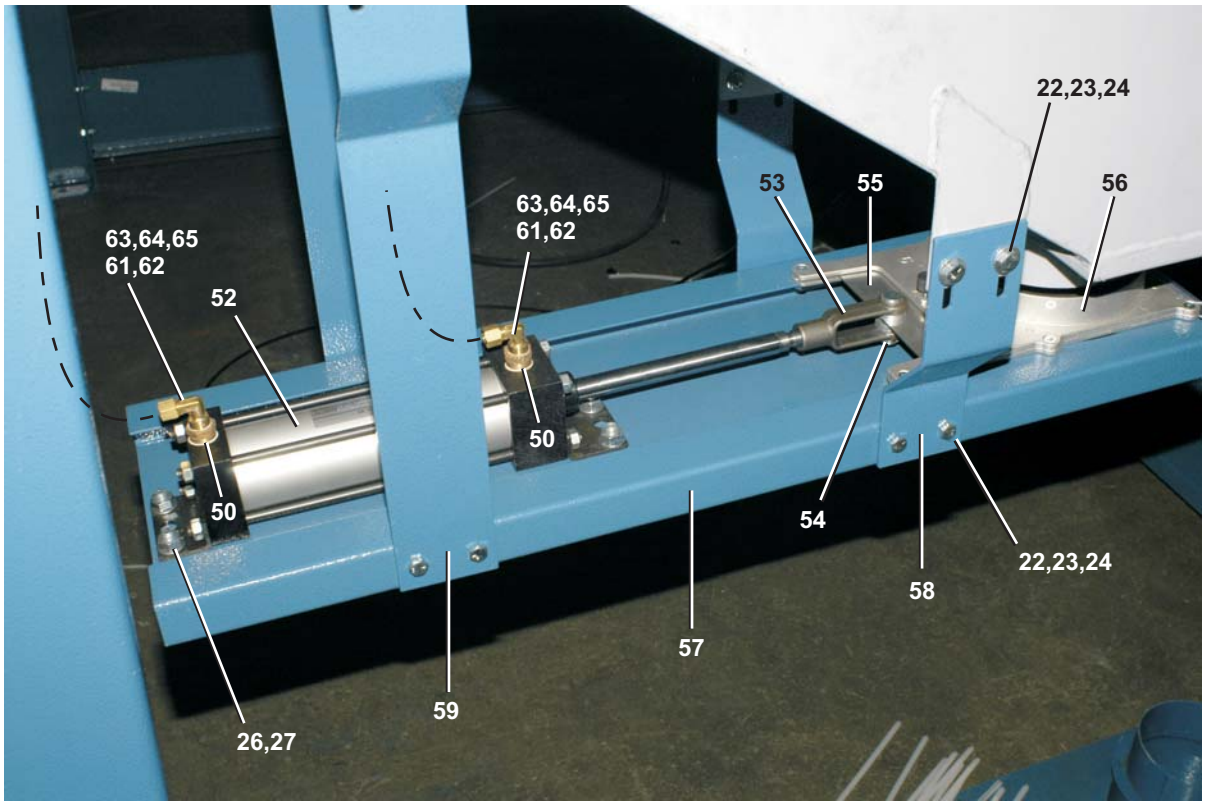
5040, 64058, 64064, 72072 Dryers

Figure 3: Lint Collector





The Lint Collector is mounted under the Dryer at installation. The 6” flexible hose connection pipes to DRYVAC or lint collector by others.



Air Cylinder and Gate Valve

Internal Lint Screens

5040, 64058, 64064, 72072 Dryers

Parts List—Internal Lint Screens

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	G74LS001	5040 INTERNAL LINT SCREEN LEFT	5040 SCREEN LEFT
	B	G74LS001A	5040 INTERNAL LINT SCREEN RIGHT	5040 SCREEN RIGHT
	C	G77LS001	INST=MAIN LINT SCREEN LEFT	6458 SCREENS LEFT
	D	G77LS001A	INST=MAIN LINT SCREEN RIGHT	6458 SCREENS RIGHT
	E	G77LS002	INST=6464 INTERNAL LINT SCRREN LEFT	6464 SCREENS LEFT
	F	G77LS002A	INST= 6464 INTERNAL LINT SCREEN RIGHT	6464 SCREENS RIGHT
	G	G79LS001	INSTALL=7272L INTERNAL LINT SCREENS	7272 SCREENS LEFT
	H	G79LS001A	INSTALL=7272R INTERNAL LINT SCREENS	7272 SCREENS RIGHT
	J	G79LS021	INSTALL=7676 LEFT INTERNAL LINT SCREENS	7676 SCREENS LEFT
	K	G79LS021A	INSTALL=7676 RITE INTERNAL LINT SCREENS	7676 SCREENS RIGHT
			----------COMPONENTS----------	
all	1	5SB1A0ENFO	NPTHEXBUSH 1X1/4 GALMAL 150#	
all	2	5S1ANFA	NPT TEE 1" GALMAL 150#	
all	3	5N1ACLSG42	NPT NIP 1XCLS TBE GALSTL SK40	
all	4	51T040	Y STRAINER 1" CAST IRON 20 MESH	
all	5	96TFC2AA37	1" N/C 2WAY 120V50/60C VALVE	
all	6	5N1A02AG42	NPT NIP 1X2"TBE GALSTL SK40	
AB	7	W7 44248	5040 LINT SCREEN	
CDEF	7	W7 71804	WLMT=54 MESH SCREEN FRAME	
G	7	W7 81590	7272 LINT SCREEN-LOAD SIDE	
H	7	W7 81591	7272 LINT SCREEN-UNLOAD SIDE	
J	7	W7 85590	WELD=7676 LINT SCREEN FRAME-FRONT	
K	7	W7 85591	WELD=7676 LINT SCREEN FRAME-REAR	
A	8	07 44253	5040 LINT DEFLECTOR LOAD LF	
B	8	07 44253A	5040 LINT DEFLECTOR LOAD RT	
C	8	07 71831	LINT DIVERTER UNLOAD LEFT	
D	8	07 71831A	LINT DIVERTER UNLOAD RIGHT	
E	8	07 72052B	6464 LEFT FRONT LINT DIVERTER	
F	8	07 72052C	6464 RITE FRONT LINT DIVERTER	
G	8	07 81566	7272 LINT DEFLECTOR LEFT	
H	8	07 81566A	7272 LINT DEFLECTOR RIGHT	
JK	8	07 85566B	7676 LEFT LINT DEFLECTOR BTM CORNER	
AB	9	07 44254	5040 LINT DEFLECTOR UNLOAD LF	
AB	9	07 44254A	5040 LINT DEFLECTOR UNLOAD RT	
CD	9	07 71832	LINT DIVERTER LOAD SIDE LEFT	
CD	9	07 71832A	LINT DIVERTER LOAD SIDE RIGHT	
EF	9	07 72053B	6464 LEFT REAR LINT DIVERTER	
EF	9	07 72053C	6464 RITE REAR LINT DIVERTER	
A	10	07 44252	5040 LEFT LINT DEFLECTOR	
B	10	07 44252A	5040 RITE LINT DEFLECTOR`	
C	10	07 71836	LINT BLOCKER UNLOAD LEFT	
D	10	07 71836A	LINT BLOCKER UNLOAD RIGHT	
E	10	07 72054B	6464 LEFT REAR LINT BLOCKER	
F	10	07 72054C	6464 RITE REAR LINT BLOCKER	
G	10	07 81565	7272 LINT DEFLECTOR UNLOAD LEFT	
H	10	07 81565A	7272 LINT DEFLECTOR UNLOAD RIGHT	
J	10	07 85565B	7676 LEFT LINT DEFLECTOR-REAR	
K	10	07 85565C	7676 RITE LINT DEFLECTOR-REAR	

Internal Lint Screens

5040, 64058, 64064, 72072 Dryers

Parts List—Internal Lint Screens

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
AB	11	W7 44245	5040 LINT SCREEN JET WELDMENT	
CDEF	11	W7 71860	WLMT=BLOW NOZZLE OUTER LEFT	
AB	12	W7 44245A	5040 LINT SCREEN JET WLEDMENT OPP	
CDEF	12	W7 71860A	WLMT=BLOW NOZZLE OUTER RIGHT	
CDEF	13	W7 71862	WLMT=BLOW NOZZLE INNER LEFT	
GH	13	W7 81561	7272 LINT DEFLECTOR UNLOAD RIGHT	
JK	13	W7 85562	WELD=7676 LINT SCREEN BLOW NOZZLE-REAR	
CDEF	14	W7 71862A	WLMT=BLOW NOZZLE INNER RIGHT	
GH	14	W7 81561A	WLMT=BLOW NOZZLE UNLOAD SIDE OPP	
JK	14	W7 85562A	WELD=7676 LINT SCREEN BLOW NOZZLE-FRONT	
GH	15	W7 81560	WLMT=BLOW NOZZLE TOP	
JK	15	W7 85560	WELD=7676 LINT SCREEN BLOW NOZZLE TOP	
AB	16	W7 44247	5040 LINT SCREEN MANIFOLD WELDMENT	
CDEF	16	W7 71850	WLMT=LINT SCREEN MANIFOLD	
GH	16	W7 81569	WLMT=7272 LINT SCREEN AIR MANIFOLD	
JK	16	W7 85569	WELD=7676 LINT SCREEN AIR MANIFOLD	
all	17	07 71855	TUBE=MANIFOLD CONNECT	
all	19	27A003	NOZZLE 1/4" BRASS SQUARE PATTE	
all	20	51P013	PLUG HXCNTRSUNK 1/4"BRASS	
all	21	15K039	HXCAPSCR 1/4-20UNC2AX3/4 GR5 Z	
all	22	15U185	FLATWASHER(USS STD) 1/4" ZNC P	
all	23	15K041	HXCAPSCR 1/4-2OUNC2AX1 GR 5 ZI	
all	24	15G178	1/4"-20 HEXFLANGE NUT ZINC	
all	25	15U246	FLATWASHER 1"ODX25/64IDX1/8"30	
all	26	15G198	HXFLGNUT 3/8-16 ZINC	
all	27	15K085	HEXCAPSCR 3/8-16UNC2AX3/4 GR5	
all	28	53ACM0KEBB	BODYMALCON.5T X.25MP #B68A-8B	
all	29	53A060C-8	SLEEVE 1/2"COMPFIT BRASS	
all	30	53A10SSKB	.5T COMPNUT 11/16-20 AND#61A-8	
all	31	07 71834	BKRT=CENTER SCREEN FRAME	
all	32	60E005H	TUBING PFA 3/8" ID X 1/2" OD HIGH-TEMP	
all	33	07 81564	7272 INLINT AIR BLADE	
all	34	96TCC3AA37	3/8" N/C 3WAY 120V50/60C VALVE	
all	35	5SB0G0EDEO	NPTHEXBUSH 3/8X1/4 GALCI 125#	
all	36	27A005	MUFFLER 3/8" BANTAM B38	
all	37	53A043G	EL90 3/8X1/4COMP.AND#69A-6B	
all	38	53A511	SLEEVE DELRIN 3/8"OD#60PT-6	
all	39	53A512	TUBE INSERT 3/8"OD #63PT-6-62	
all	40	53A060C	NUT 3/8"COMP AND.#61A-6	
all	41	60E005B	TUBING NYL.3/8"OD X.275"ID	
all	42	5N0ECLSBE2	NPT NIP 1/4XCLS TBE BRASS 125#	

Internal Lint Screens

5040, 64058, 64064, 72072 Dryers

Parts List—Internal Lint Screens

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
all	43	96J019E	1/4"PRESSREG3-60#AR20N02HZX406	
all	44	5SL0CBEA	NPTELB 90DEG 1/8 BRASS 125#	
all	45	30N101	PRESSGAUGE 1/8"BACKCN.0-60PSI	
all	46	02 10456	BUSHING=SENSDEV PIVOTPIN	
all	50	15G004HD	1/4-20 USHORT NUT P/R .025-.15	
AB	51	W7 44250	5040 LINT COLLECTOR	
CD	51	W7 71840	WLMT=LINT COLLECT LEFT	
EF	51	W7 72050A	6464, 53.25" LINT COLLECT WLMT	
GH	51	W7 81567	WLMT=7272 LINT COLLECT	
JK	51	W7 85567B	WELD=7676 LINT COLLECT	
all	52	27C217	AIR CYL 2"BORE X 6"STROKE	
all	53	17A019	YOKE END 1/2-20 STEEL	
all	54	17A036	CLEVIS PIN 1/2"X 1+3/4"DRILL +	
all	55	07 71847	GATE VAVLE FLAP	
all	56	13E006	BLAST GATE 6" SELF-CLEANING #06SGATE	
all	57	07 71848	GATE VAVLE CYLINDER MNT	
AB	58	07 44256	5040 LINT SCREEN CYL BRKT, SHORT SUPT	
CDEF GHJK	58	07 71852	GATE VALVE MNT SHORT	
AB	59	07 44257	5040 LINT CYL ARM LF	
AB	59	07 44257A	5040 LINT CYL ARM RT	
CDEF	59	07 71849	GATE VALVE MNT LONG	
GHJK	59	07 81568	GATE VALVE MNT LONG	
all	61	53A031XB	BODY-EL90MALE.25X25 #269C-4-4B	
all	62	60E004TE	1/4"OD X.170"ID NYL(BLK)TUBING	
all	63	53A059A	NUT 1/4"BR.HOLYOKE AND #61A-4	
all	64	53A500	SLEEVE DELRIN 1/4"OD#60PT-4	
all	65	53A501	TUBE INSERT .163"OD #63PT-4-40	

Pneumatic Schematic

6458TG1L/R 6464TG1L/R 7272TG1L/R

BMP000064/2012114B
(Sheet 1 of 2)

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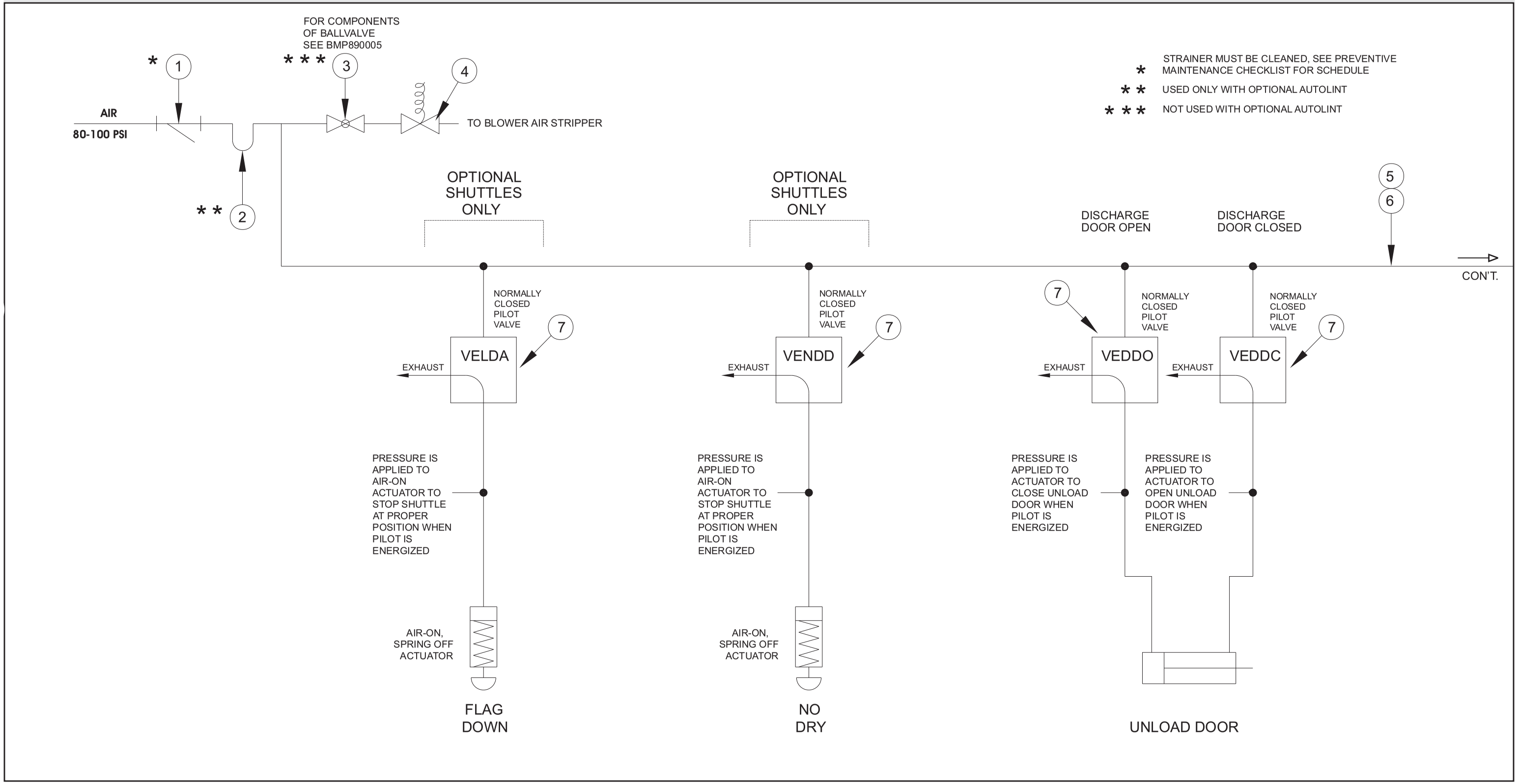

Pneumatic Schematic

6458TG1L/R 6464TG1L/R 7272TG1L/R

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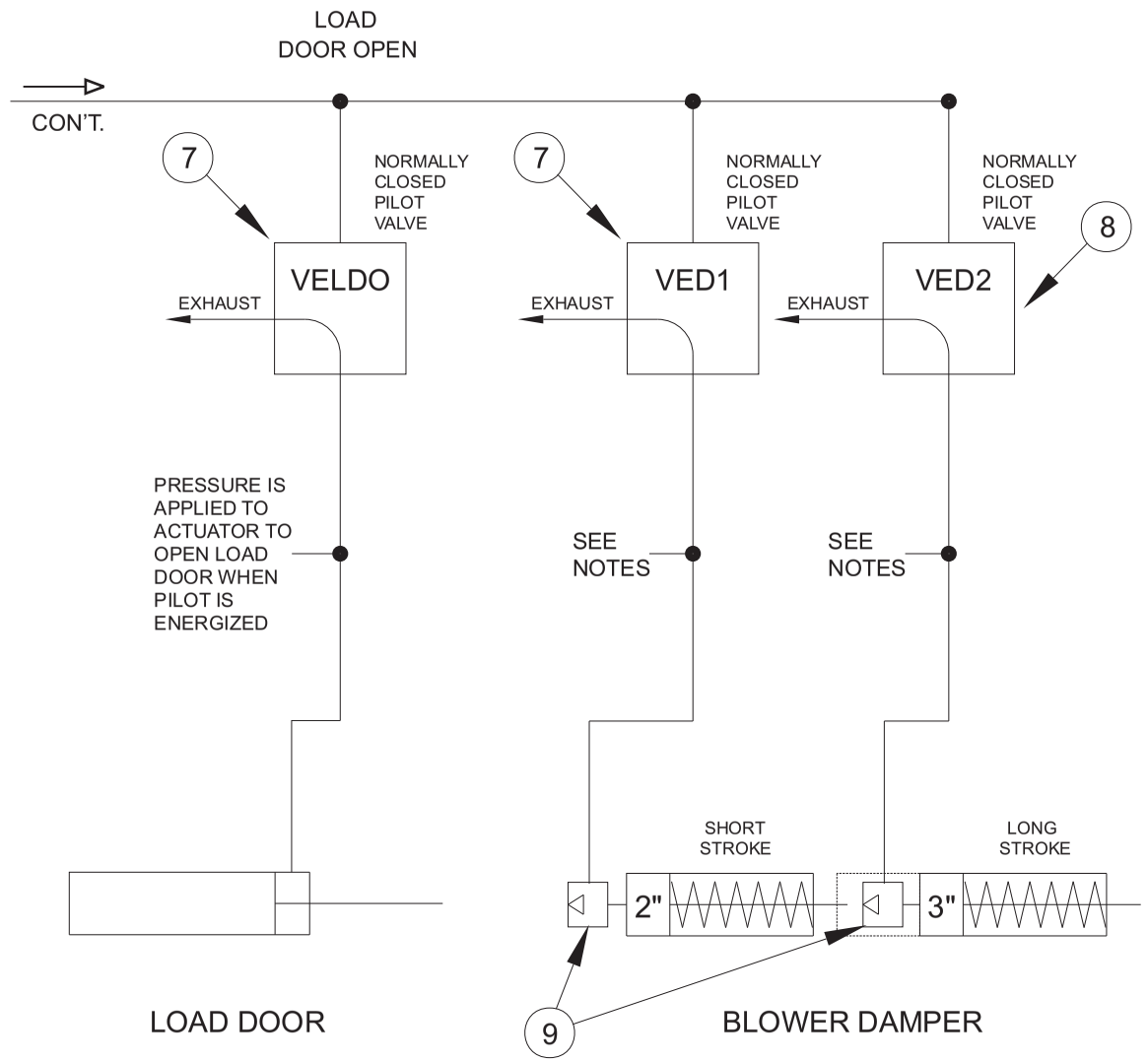
NOTES:

1. MINIMUM AIR FLOW OCCURS WHEN PRESSURE IS APPLIED TO ALLTO BLOWER DAMPER AIR CYLINDER ACTUATORS
2. MORE THAN MINIMUM AIR FLOW OCCURS WHEN PRESSURE IS APPLIED ONLY TO THE 3" BLOWER DAMPER AIR CYLINDER ACTUATOR
3. LESS THAN MAXIMUM AIR FLOW OCCURS WHEN PRESSURE IS APPLIED ONLY TO THE 2" BLOWER DAMPER AIR CYLINDER ACTUATOR
4. MAXIMUM AIR FLOW OCCURS WHEN NO PRESSURE IS APPLIED TO ACTUATORS



Parts List—Pneumatic Schematic

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
A	1	AVA712DT37	VALVE SET:6458 GAS DRYER	
			----------COMPONENTS----------	
all	1	51T025	Y-STRAINER 1/2" CAST IRON	
all	2	30N601	1/2"AIRLINE FILTER PH#07F35AC	
all	3	96D034	BALLVALVE 1/2" WATTS #6400-SS	
all	4	96P041A	1/2" 2WAY 24V60/50 ASCO X8210	
all	5	X3 01507F	MANIFOLD BLOCK MACH 22 PORTS	
all	6	03 LF110K	LOCK BAR=VALVE SET 22STATION	
all	7	96R301B37	1/8"AIRPILOT 3W NC 120V50/60	
all	8	96R302B37	1/8"AIRPILOT 3W NO 120V50/60	
all	9	96M055	DELTROL QUICK EXHAUST VLV.1/4"	

Blower Main Damper Air Cylinders

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R 6458TG1R/L,TS1RL 6464TG1R/L,TS1R/L 7272TG1R/L

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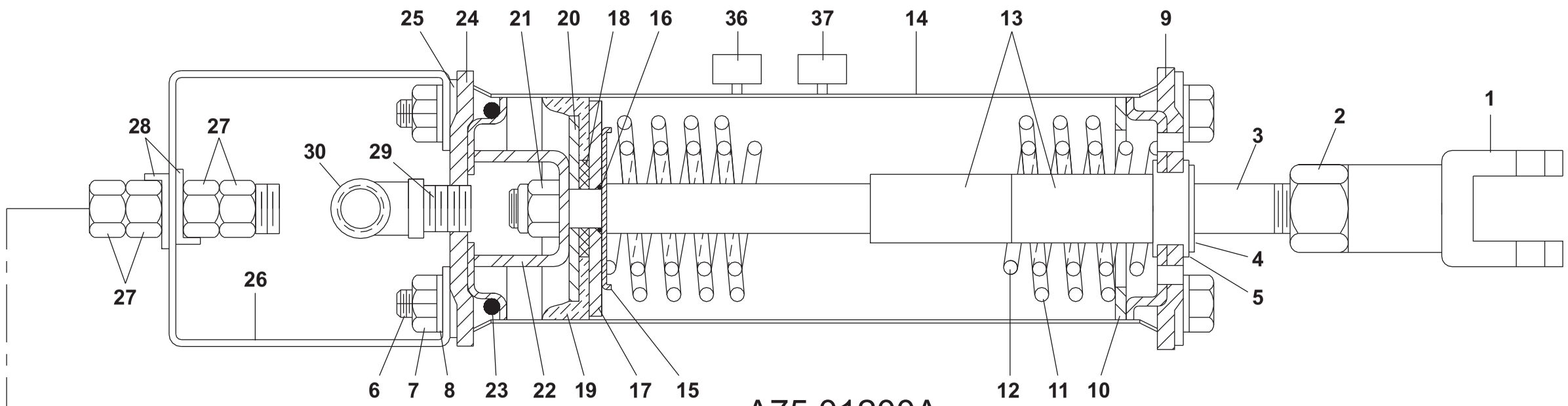
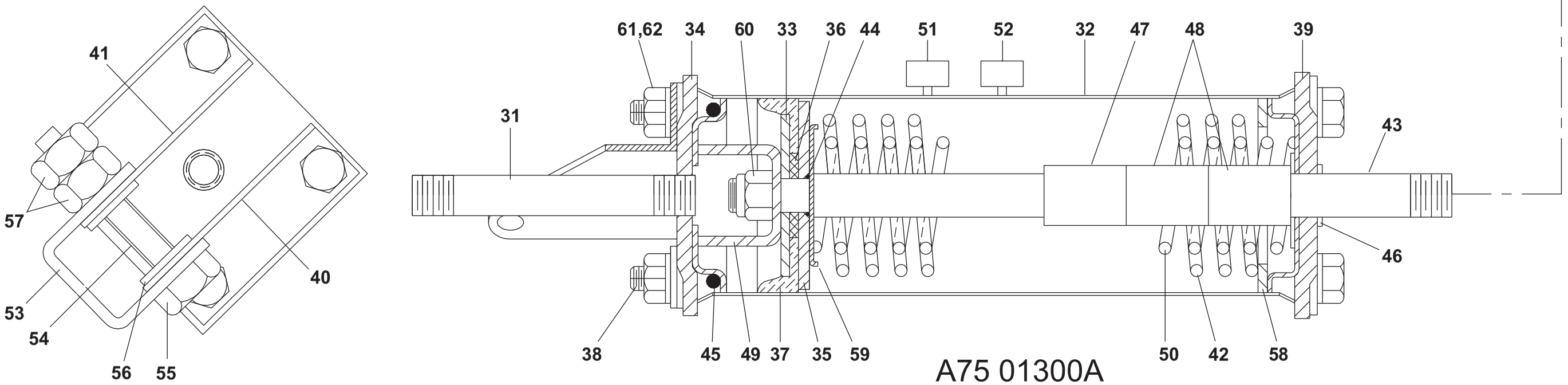


A75 01200A



A75 01300A

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Parts List—Blower Main Damper Air Cylinder

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A77AC003	6458 MAIN DAMP CYL ASSY	CONTAINS B & C
	B	A75 01200A	6458 AIR CYL. DAMP=3" STROKE	
	C	A75 01300A	6458 AIR CYL. DAMP=2"STROKE	
			----------COMPONENTS----------	
all	1	17A020	ADJ CLEVIS MACHINED 1/2-13 ZIN	
all	2	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	3	02 18650	STEM=2 WAY AIRCYLINDER BRAKE	
all	4	17B012	EXTRETRING IND#1000-50-ST-ZD Z	
all	5	54E220	NYLNR 8L2FF BUSH 1/2X9/16X.140	
all	6	02 10585E	TIE BOLT=5/16-18X8.25LG PLTD	
all	7	15G185	HXNUT 5/16-18UNC2B SAE ZINC GR	
all	8	15U210	LOKWASHER MEDIUM 5/16 ZINCPL	
all	9	02 02546	CYLINDER HEAD=SLIDE STEM	
all	10	15U520	FLATWASHER 2+3/8X1+41/64X12GA	
all	11	02 15881	SPRING=BRAKE2.1OD11FL15.5#/"	
all	12	02 15880	SPRING=BRAKE1.5OD10.3FL17#/"	
all	13	27B250	SPCRROLL.5ID1.5L.062T STLZNC	
all	14	02 02068	AIRCYL-STAINLESS=DUMP VALVE	
all	15	02 18651	WASHER=2 WAY BRAKE CYL	
all	16	60C106	ORING 5/16ID 1/16CSBUNA70#011	
all	17	02 02105B	2.38"ACYL BRASS PISTONCUP WSHR	
all	18	02 02185	WASHER=PISTON CUP COMP LIMIT	
all	19	02 02194	PISTON CUP=DUMPVALVE 2+3/8"	
all	20	02 02085	UP WASHER=2"OD=PISTON CUP	
all	21	15G220	NUTLOK THINHX 3/8-24 SS/NYL	
all	22	03 01313	STOP=AIR CYL W/2+11/16STROKE	
all	23	60C132	ORING 2"IDX3/16CS BUNA70 #329	
all	24	02 02101	CYLHEAD W/TAPPED HOLE	
all	25	15U185	FLATWASHER(USS STD) 1/4" ZNC P	
all	26	07 50331	AIR CYL. BRKT.= DAMPER	
all	27	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	28	07 50331B	LOCKING WASHER AIRCYL SHAFT	
all	29	5N0ECL3G42	NPT NIPPLE 1/4XCLS TBE GALSTL	
all	30	5SL0EBEA	NPTELB 90DEG 1/4 BRASS 125#	

Parts List, cont.—Blower Main Damper Air Cylinder

Used In	Item	Part Number	Description	Comments
all	31	5N0ECLSBE2	NPT NIP 1/4XCLS TBE BRASS 125#	
all	31	02 02068	AIRCYL-STAINLESS=DUMP VALVE	
all	33	02 02085	UP WASHER=2"OD=PISTON CUP	
all	34	02 02101	CYLHEAD W/TAPPED HOLE	
all	35	02 02105B	2.38"ACYL BRASS PISTONCUP WSHR	
all	36	02 02185	WASHER=PISTON CUP COMP LIMIT	
all	37	02 02194	PISTON CUP=DUMPVALVE 2+3/8"	
all	38	02 10585E	TIE BOLT=5/16-18X8.25LG PLTD	
all	39	02 02546	CYLINDER HEAD=SLIDE STEM	
all	40	02 02547	BRKT=AIRCYL-LFT ZINC/CAD	
all	41	02 02550	BRKT=AIRCYL-RIGHT ZINC/CAD	
all	42	02 15881	SPRING=BRAKE2.1OD11FL15.5#/"	
all	43	02 18650A	STEM-AIRCYL.UPLOCK PRESS	
all	44	60C106	ORING 5/16ID 1/16CSBUNA70#011	
all	45	60C132	ORING 2"IDX3/16CS BUNA70 #329	
all	46	54E220	NYLNR 8L2FF BUSH 1/2X9/16X.140	
all	47	27B240	SPCRROLL.5ID.813L.062T STLZNC	
all	48	27B250	SPCRROLL.5ID1.5L.062T STLZNC	
all	49	03 01313	STOP=AIR CYL W/2+11/16STROKE	
all	50	02 15880	SPRING=BRAKE1.5OD10.3FL17#/"	
all	51	20L601A	ID TAG NAT'L#1614 ALUM EMB "A"	
all	52	20L601E	ID TAG NAT'L#1614 ALUM EMB "E"	
all	53	02 02556	SUPPORT=AIRCYL 12GA ZINC PLT	
all	54	27B2750L0T	SPC RROLL.562ID.937L.048T ZNK	
all	55	15K206	HEXCAPSCR 9/16-12X2.5 ZC GR5	
all	56	15U311A	FLTWASHER9/16 ASME/B18.22.1TYP	
all	57	15G235F	HXFNJAMNUT 9/16-12UNC2B ZINC G	
all	58	15U520	FLATWASHER 2+3/8X1+41/64X12GA	
all	59	02 18651	WASHER=2 WAY BRAKE CYL	
all	60	15G220	NUTLOK THINHX 3/8-24 SS/NYL	
all	61	15G185	HXNUT 5/16-18UNC2B SAE ZINC GR	
all	62	15U210	LOKWASHER MEDIUM 5/16 ZINCPL	

3-Way Pilot Valves

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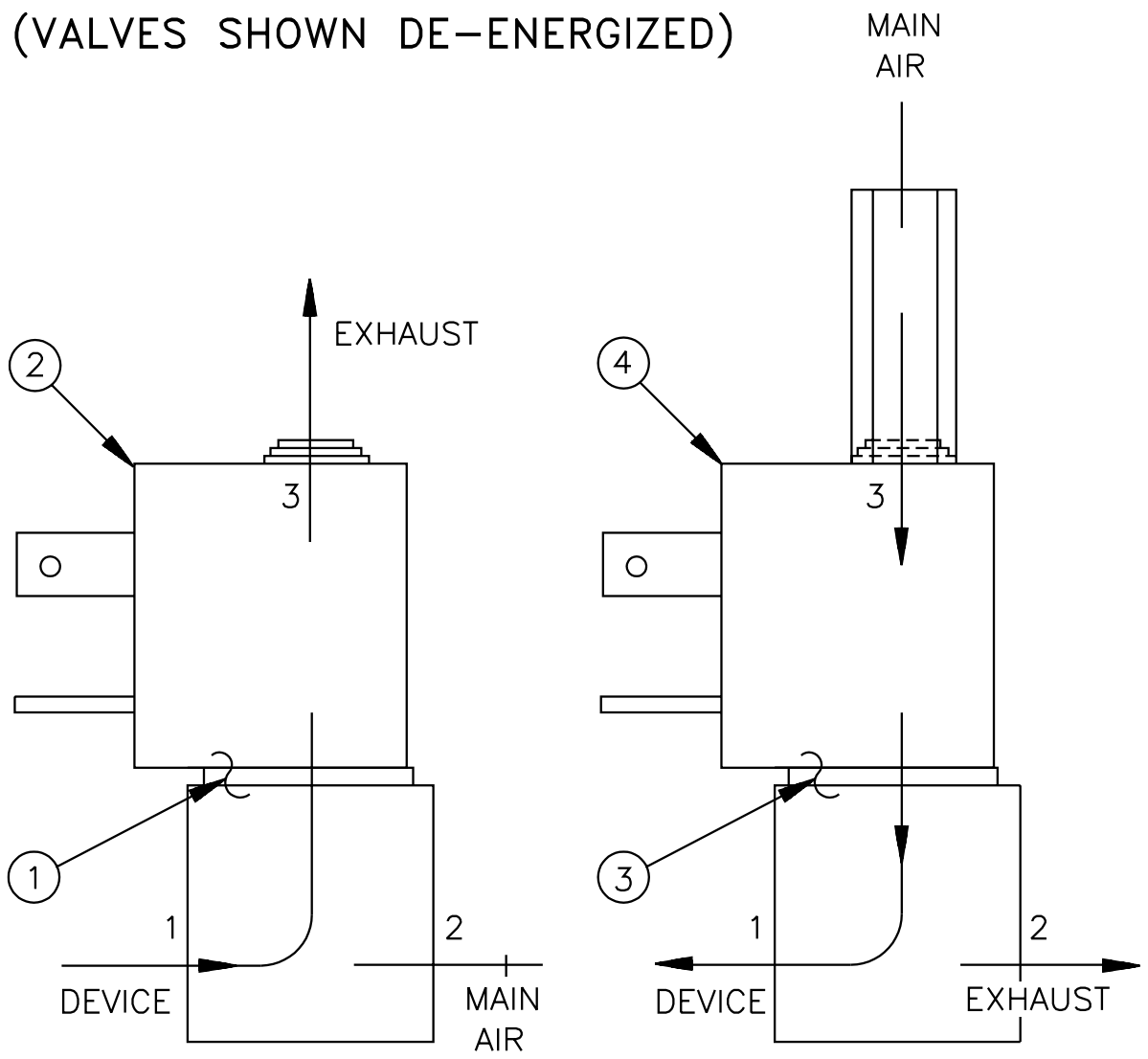
180



FOR REPAIR OR REPLACEMENT PARTS FOR PILOT VALVES USED ON WASHER EXTRACTORS GENERALLY PRIOR TO JUNE 1, 1985, SEE BMP701359.

Parts List—3-Way Pilot Valves

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
			none	
			----------COMPONENTS----------	
all	1	96R301A37	05Z 1/8" AIRPILOT 3W NC 120V50/60	
all	1	96R301A24	06Z 1/8" AIRPILOT 3W NC 24V50/60	
all	3	96R302A37	06Z 1/8" AIRPILOT 3W NO 120V50/60	
all	3	96R302A24	07Z 1/8" AIRPILOT 3W NO 24V50/60	

Door Assemblies 8

Load Door Installation

6458TG1L/R 6464TG1L/R 7272TG1L/R

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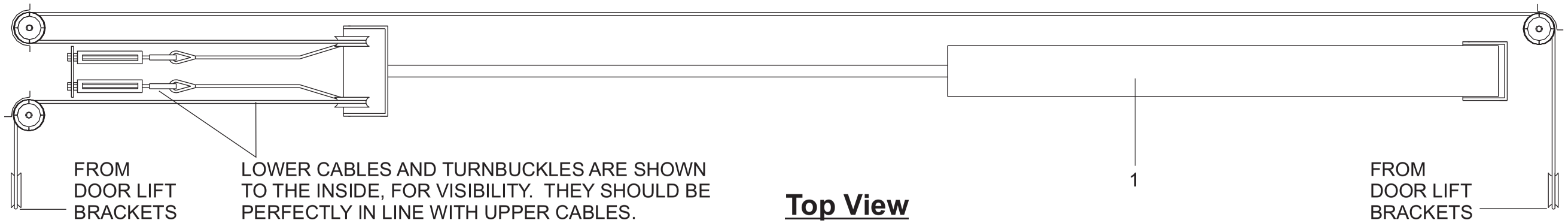
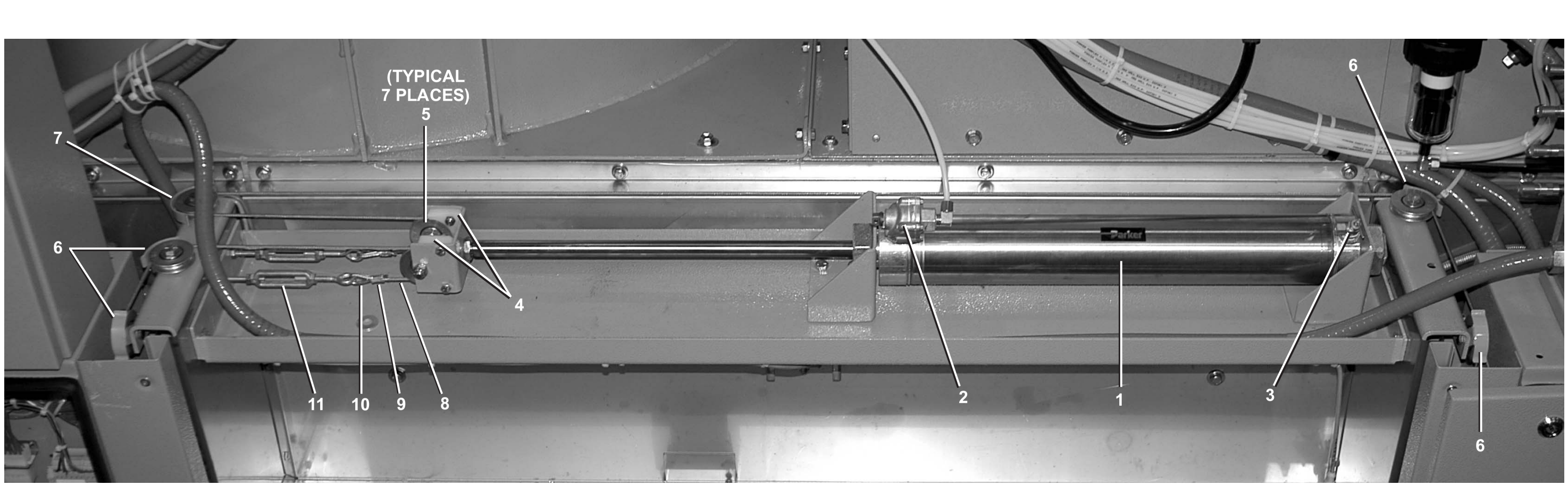


Top View



Load Door Installation

6458TG1L/R 6464TG1L/R 7272TG1L/R

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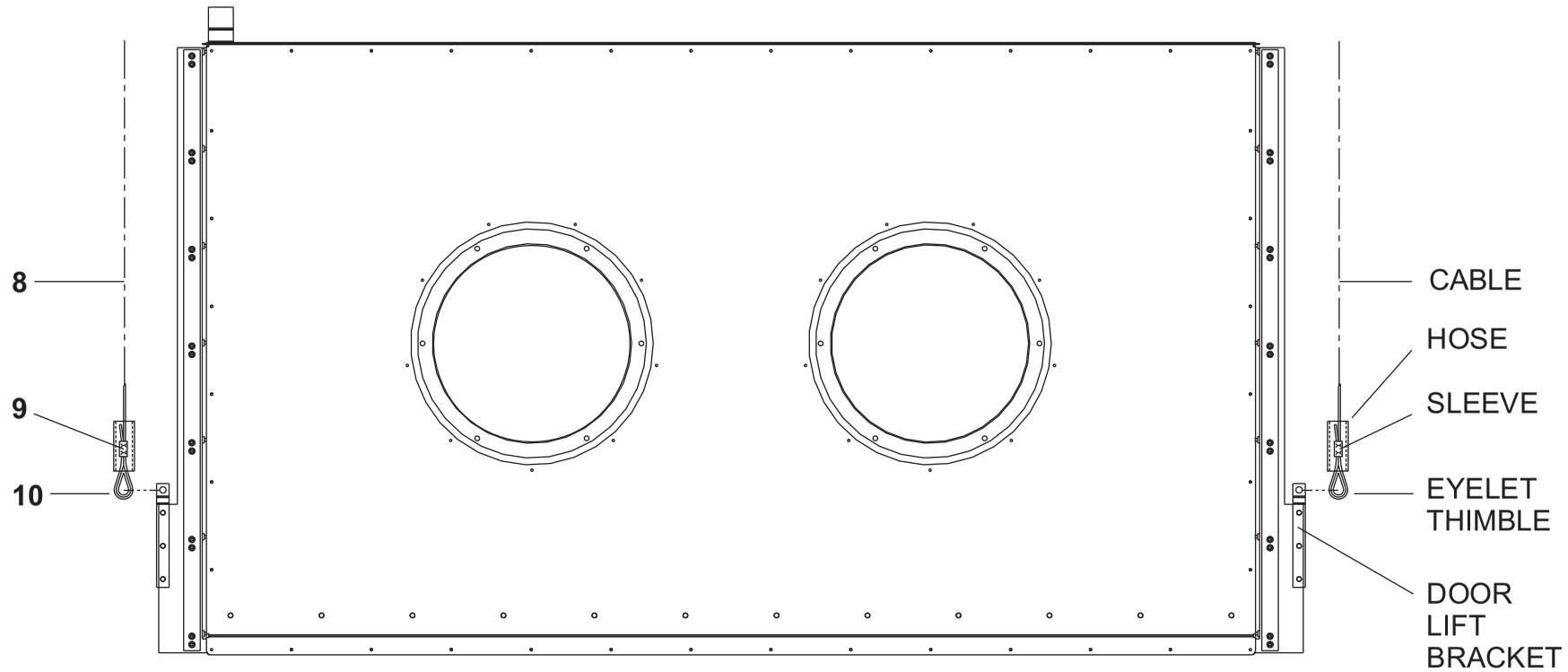


Removing Load Door:

Cut the cables to the load door, unthread the pulleys and lift the door up and out of the door channel.

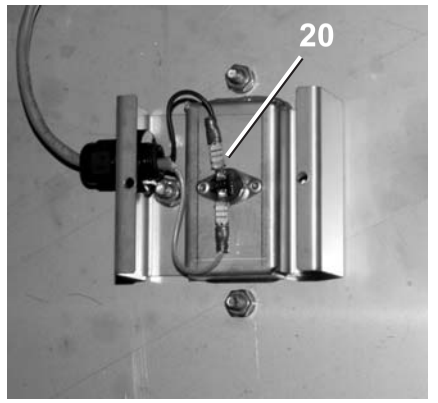
To save the cables, another method is to disconnect the turnbuckles, unbolt and remove all seven (7) pulleys, lift the door up and out of the door channel.

Reinstalling Load Door:

Feed new cable through eyelet thimbles and sleeves and crimp. Slide the pieces of 1" braided hose down the cable and over the thimbles. Lower the door into the door channel, keeping tension on the cables. Thread the cables up through the pulleys as shown in Top View. When attaching cables to turnbuckles or adjusting turnbuckles, make sure the door is fully closed and the cylinder is fully extended.

If the pulleys were removed, reinstall pulleys as shown in Top View. Adjust cable tension with turnbuckles.

THERMOCOUPLE



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Parts List—Load Door Installation

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	G77LD001D	6458 WIDE LOAD COSM INSTALL	6458, 6464 DRYERS
	B	G79LD001	7272 LOAD COS INSTALL BLW LF	7272 DRYERS
	C	A77LD004B	6458 WIDE LOAD DOOR COSM ASSY	
	C	A79LD001	7272 LOAD DOOR COSM ASSY	
	D	A77LD001W	6458 LOAD DOOR-WIDE	
	E	A79LD002	7272 LOAD DOOR ASSY	
			----------COMPONENTS----------	
A	1	27C316	AIRCYL.3"BOREX16.5X.75PIVOT MT	
B	1	27C416	AIR CYL 4"X16.5" STROKE	
all	2	96M055	DELTROL QUICK EXHAUST VLV.1/4"	
all	3	96H018	ANGLE NEEDLE VLV 1/4"T X 1/8MP	
all	4	07 40937	UHMW PULLEY GUIDE AIRCYL	
all	5	27A965	PULLEY ZINC PLATE #CPS6150	
all	6	W7 71197	6458 90 DEG PULLEY GRD WELD	
all	7	W7 71199	6458 180 DEG PULLEY GRD WELD	
A	8	27A964B	CABLE SS 3/32" 3095GN4	
B	8	27A964	CABLE #3126-G-N-6	
A	9	27A963B	LOOP SLEEVE 3/32" 7092A	
B	9	27A963	LOOP SLEEVE #7125-A	
A	10	27A962B	THIMBLE SS 3/32 AN100-4	
B	10	27A962	THIMBLE #AN100-6	
all	11	17A074	TURNBKLE 1/4X4 EYE+EYE ZINC	
all	12	09RPS30ADS	PROX SW QK CONN 30M NO-DC SHLD	
all	13	09RPSDC095	CON.90DEG FEMALE DC 3A300V 5M	
all	14	03 BL2X2A	BRACKET:PHOTOEYE 6458 DRYER	
all	15	07 80422	BRKT=LOAD DR PHOTO-PROX	
all	16	09RPE001A	REFLECTOR 3"DIA CLEAR	
all	17	09RPE011	PHOTOEYE VALU-BEAM 10-30DC	
all	18	03 E3X6A	ENCL:PHOTOEYE MOUNTING BOX	
all	19	03 E3X6B	PHOTOEYE COVER	
all	20	30RA225T	THERMOSTAT CLOSES AT 225-DEG F	

Parts List, cont.—Load Door Installation

Used In	Item	Part Number	Description	Comments

Load Door

6458TG1L/R 6464TG1L/R 7272TG1L/R

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(Sheet 1 of 2)

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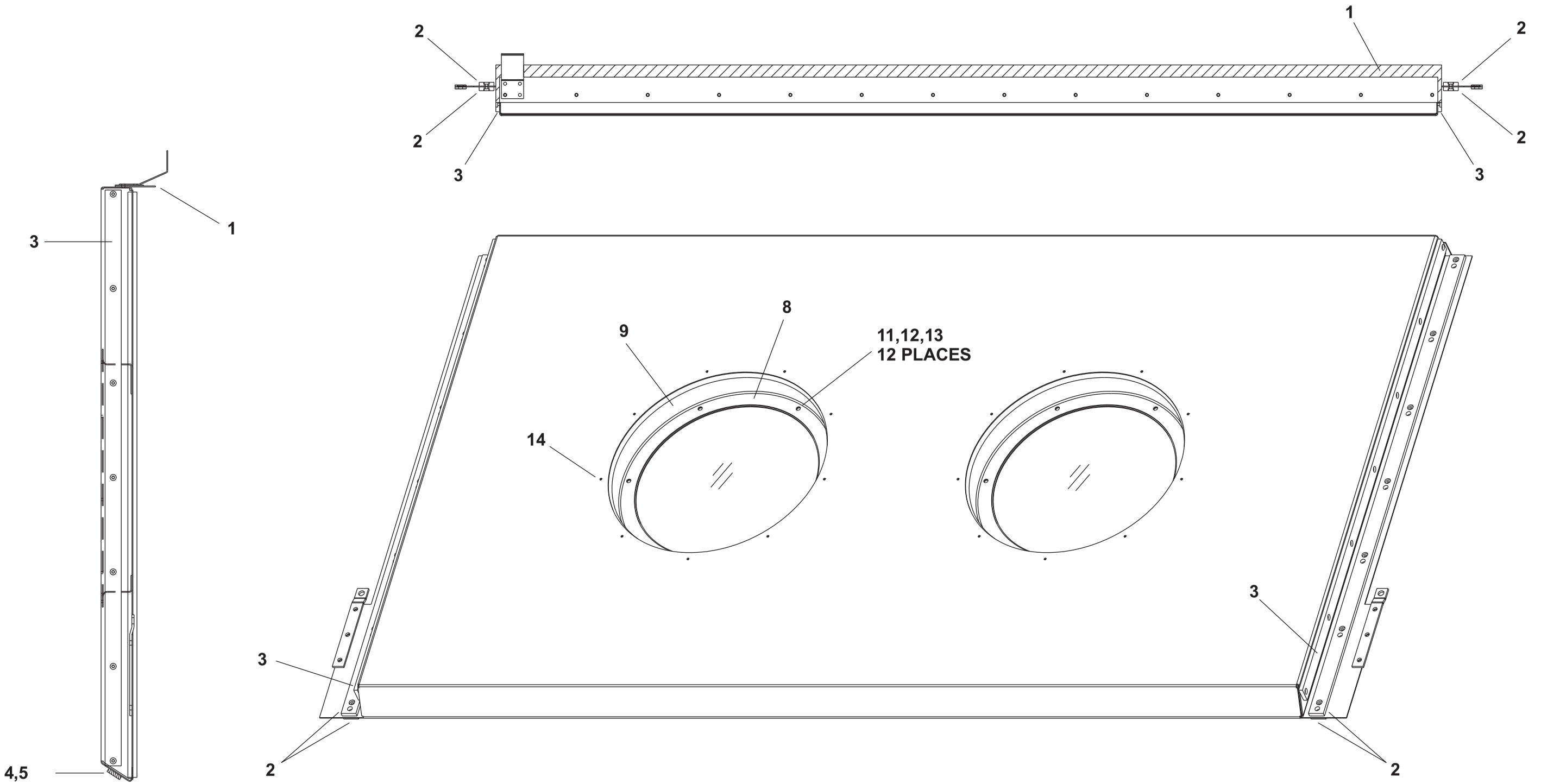
185



Load Door

6458TG1L/R 6464TG1L/R 7272TG1L/R

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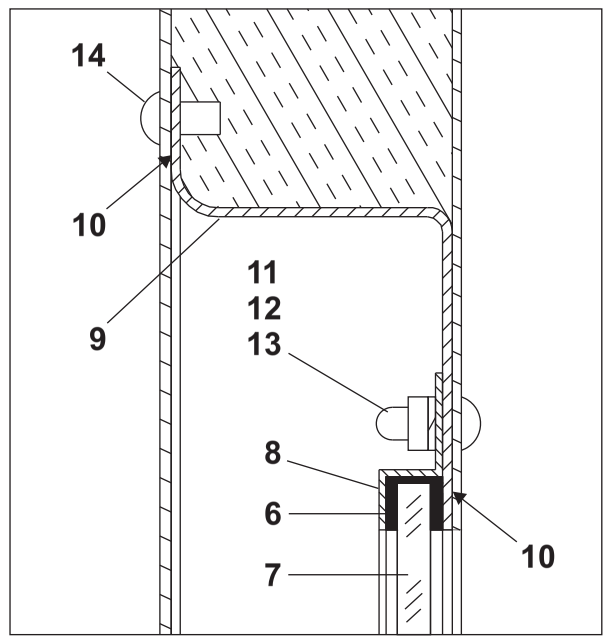

DETAIL: DOOR GLASS INSTALLATION

Parts List—Load Door

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A77LD001W	6458 LOAD DOOR-WIDE	6458TG1L/R 6464TG1L/R
	B	A79LD002	7272 LOAD DOOR ASSY	7272TG1L,TG1R
			----------COMPONENTS----------	
A	1	07 71195A	6458 WIDE LOAD DOOR TOP SEAL	
B	1	07 81195	7272 LOAD DOOR TOP SEAL	
A	2	07 81224A	7272 LD DR NYLON STRIP=SIDE	
B	2	07 81224	7272 LOAD DOOR NYLON STRIP	
all	3	07 81224A	7272 LD DR NYLON STRIP=SIDE	
all	4	27A682	FELT 3/8"THK X 1"W SAE F-6	
all	5	20C044	RUB/GASKET ADH 3M#EC1300 PINTS	
all	6	02 02366A	GASKET DOORGLASS = DRYER	
all	7	02 09215	DRGLASS 12 3/8DIA SS STAMPED	
all	8	07 50057	RING=SIGHGLASS LOAD DOOR	
all	9	07 71222	6458 LOAD DR SIGHT RING	
all	10	20C040B	SUPERFLEX CLR RTV SIL 10.2OZ	
all	11	15K031	BUTSOKCAPSCR 1/4-20X1/2 SS18-8	
all	12	15U181	LOCKWASHER MEDIUM 1/4 SS18-8	
all	13	15G140S	HEXCAPNUT(ACORN) 1/4-20 SS 18-	
all	14	15P050	TRDCUT-F PANHD 10-32X3/4 SS410	
.				

Unload Door & Installation

6458TG1L/R 6464TG1L/R 7272TG1L/R

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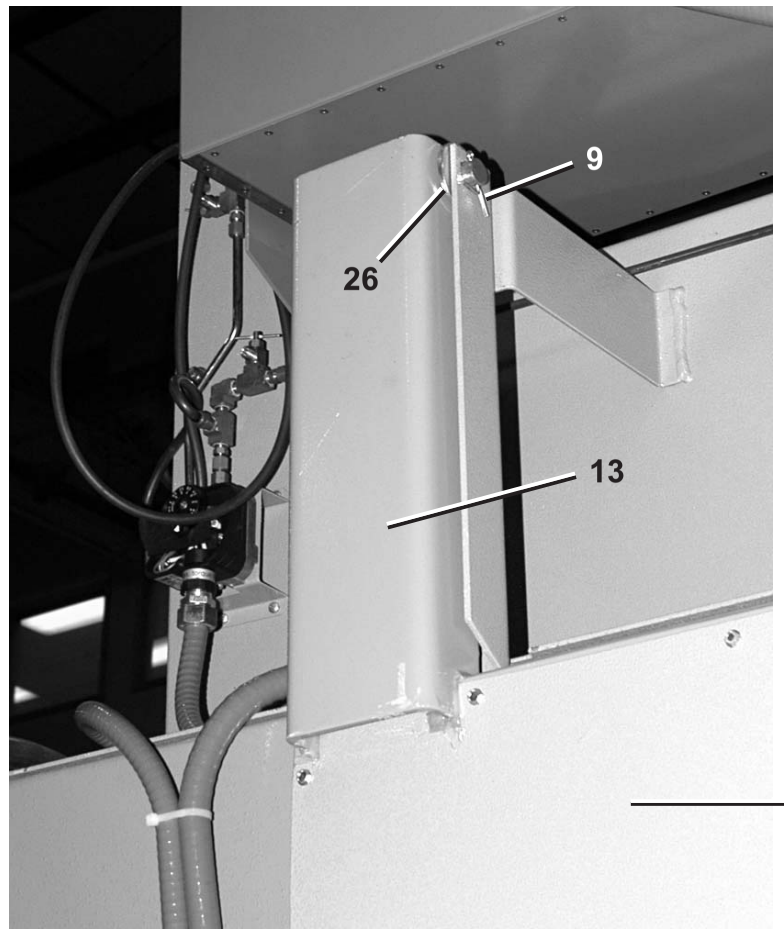
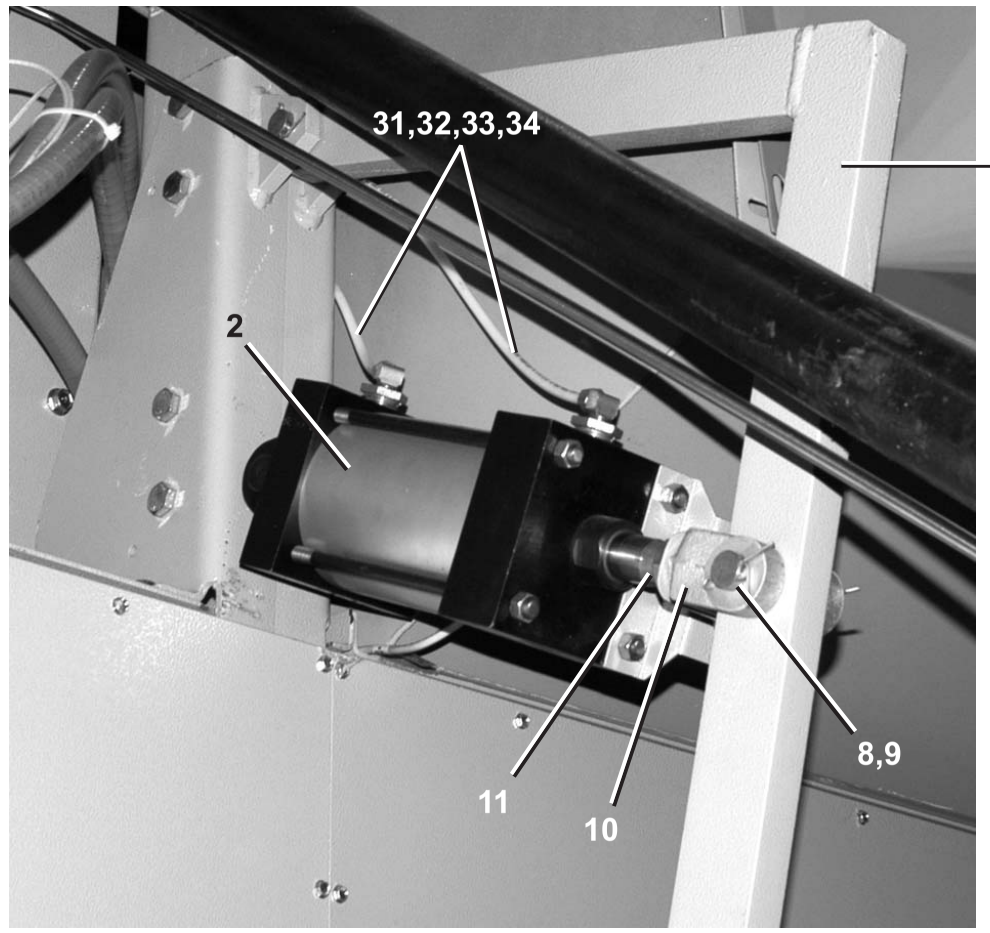
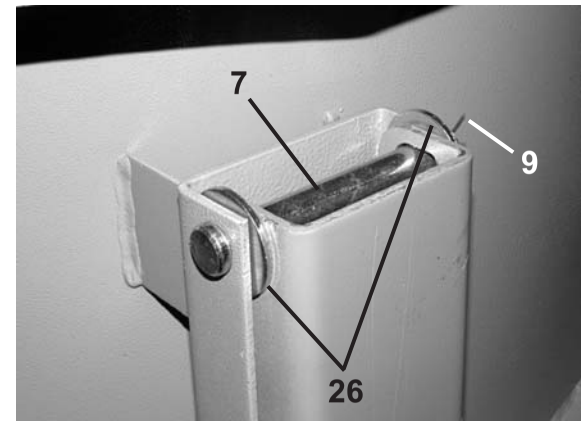
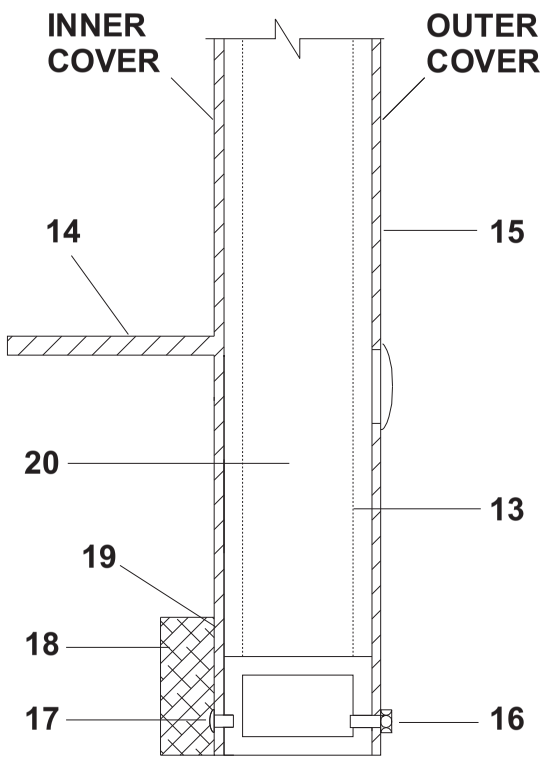
Litho in U.S.A.



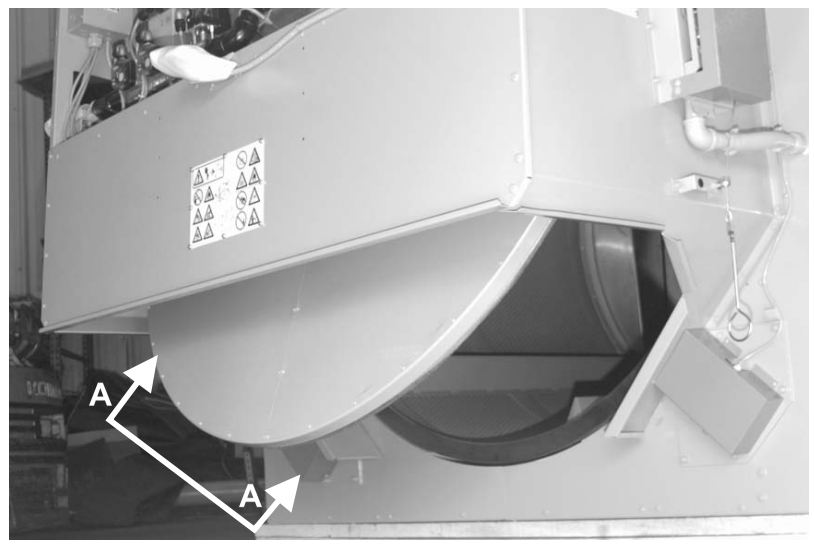


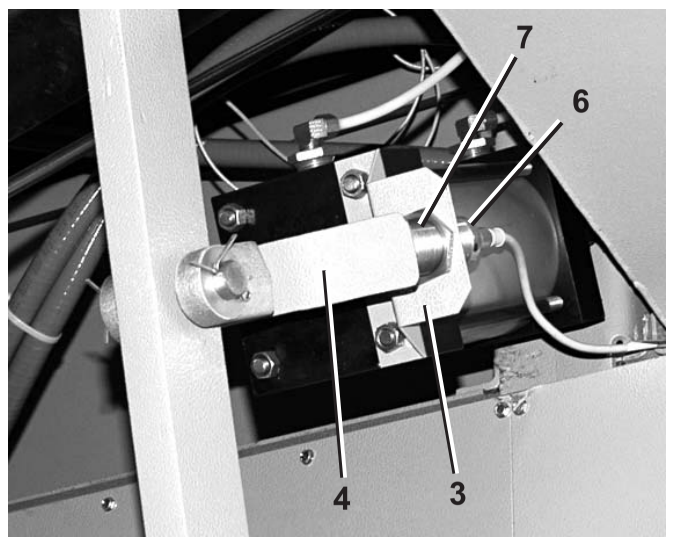


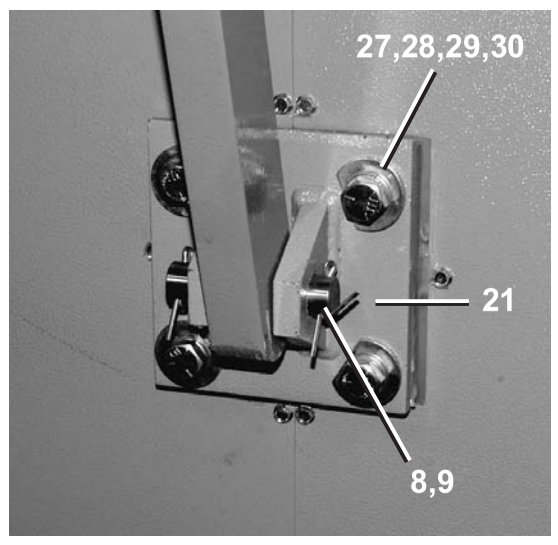
UNLOAD DOOR



Section A-A







Unload Door & Installation

6458TG1L/R 6464TG1L/R 7272TG1L/R

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Optional IR Sensor

Parts List—Unload Door

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
.				
			----------ASSEMBLIES----------	
	A	A77SD010B	6458 UNLOAD DOOR ASSY	6458,6464
	B	A79SD010	7272 UNLOAD DOOR ASSY	7272
	C	A79SD010A	7272 IR UNLOAD DOOR ASSY	7272 W/IR SENSOR
			----------COMPONENTS----------	
A	1	W7 71288	6458 UNLD DOOR HINGE ARM WELD	
B	1	W7 81288	7272 UNLD DOOR HINGE ARM WELD	
A	2	27C404	AIR CYL 4"X4.5"X1" CLEVIS MT.	
B	2	27C650	AIR CYL 4"X3.5"X1" CLEVIS MNT.	
all	3	07 71132	6458 UNLOAD DOOR PROX BKT	
all	4	07 71133	6458 UNLOAD DOOR PROX TARGET	
all	5	09RPS30CAS	PROXSW QK CONN 30M NO-AC SHLD	
all	6	09RPTAC005	CONN.ST.FEM 3-PIN AC 3A 5M	
all	7	17A044A	CLEVISPIN 3/4X5+21/32 ZNC"SPEC	
all	8	17A045	CLEVIS PIN 3/4"X 3" DRILLED +	
all	9	15H051	STDCOTTERPIN 1/8X1+1/2ZINCPL	
all	10	17A049	YOKE END 3/4-16UNF HARD CHROME	
all	11	15G239S	HEXJAMNUT 3/4-16UNF2 SS18-8	
A	13	W7 71125A	6458 UNLOAD DR FRAME WELD	
BC	13	W7 81125A	7272 UNLOAD DOOR FRAME WELD	
A	14	W7 71126	6458 UNLD DR INNER SKIN WELD	
B	14	W7 81126A	7272 UNLD DOOR INNER SKIN WELD	
C	14	W7 81126B	7272 UNLD DR IR INNER SKIN WELD	
A	15AB	07 71127	6458 INSL COVER UNLOAD DOOR	
BC	15A	07 81127	7272 INSL COVER UNLOAD DOOR	
BC	15B	07 81127A	7272 INSL COVER UNLOAD DOOR IR	
all	16	15P059	SCRHXSELFDR:10-16X1/2 #2 ZINC	
all	17	15P052	10X3/4"PPHTEK/2410/NYL.PATCH	
all	18	27A682	FELT 3/8"THK X 1"W SAE F-6	
all	19	20C044	RUB/GASKET ADH 3M#EC1300 PINTS	
all	20	98P030	INSUL.FIBRGLS.24X48X1+1/2E=1SH	
all	21	W7 50047A	*LINKAGE ARM BASE BRKT WLMT	

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Unload Door

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
all	22	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	23	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	24	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	25	15U343	FLATWASH 1X25/64X1/8 ZINC	
all	26	15U320P	FLATWASHER(USS STD) 3/4" ZNC P	
all	27	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	28	15K173A	HXCAPSCR 1/2-13UNC2AX1.75 GR5	
all	29	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	30	15U280C	FLATWASH(US STD)1/2"CLIP+ZNC	
all	31	53A059A	NUT 1/4"BR.HOLYOKE AND #61A-4	
all	32	53A500	SLEEVE DELRIN 1/4"OD#60PT-4	
all	33	53A513	TUBE INSERT .123"ODX.444LG.	
all	34	60E004NTN	TUBING NYL(NAT)1/4"ODX.127ID	
all	35	07 44260	IR INNER UNLOAD DOOR COVER	
all	36	07 44261	IR OUTER UNLOAD DOOR COVER	

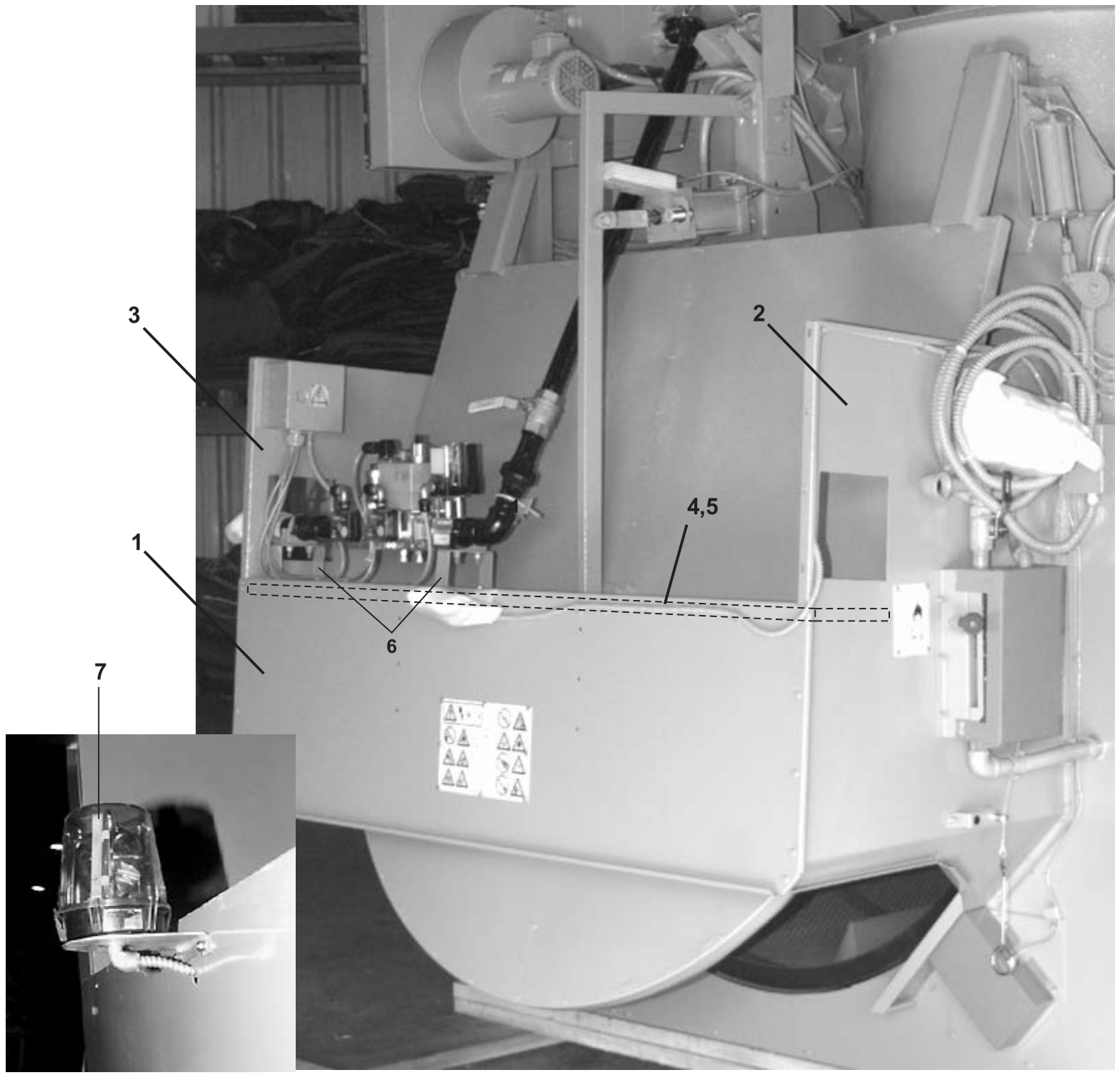
Used In	Item	Part Number	Description	Comments

Unload Shroud

6458TG1L/R 6464TG1L/R 7272TG1L/R

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.



Parts List—Unload Shroud

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			ASSEMBLIES	
	A	ZTUUL3E10A	6458 UNLD SHRD=STD	6458,6464 DRYERS
	B	ZTUUL3E25A	7272 UNLOAD SHROUD=STAND	7272 DRYERS
			COMPONENTS	
A	1	07 71152	6458 UNLOAD SHROUD BACK PLT	
B	1	07 81152	7272 UNLOAD SHROUD BACK PLT	
A	2	07 71150A	6458 UNLOAD SHROUD RIGHT	
B	2	07 81150	7272 UNLOAD SHROUD RIGHT	
A	3	07 71150B	6458 UNLOAD SHROUD LEFT	
B	3	07 81151	7272 UNLOAD SHROUD LEFT	
A	4	07 71154	6458 GAS PIPE SUPP PLT	
B	4	07 81154	7272 GAS PIPE SUPP PLT	
all	5	07 71156	6458 PIPE SUPP GUSSET BKT	
all	6	07 71155	6458 PIPE SUPP BKT	
all	7	09H025V37	BEACON ROTARY 5.5"DIA AMBER	

Water Assemblies

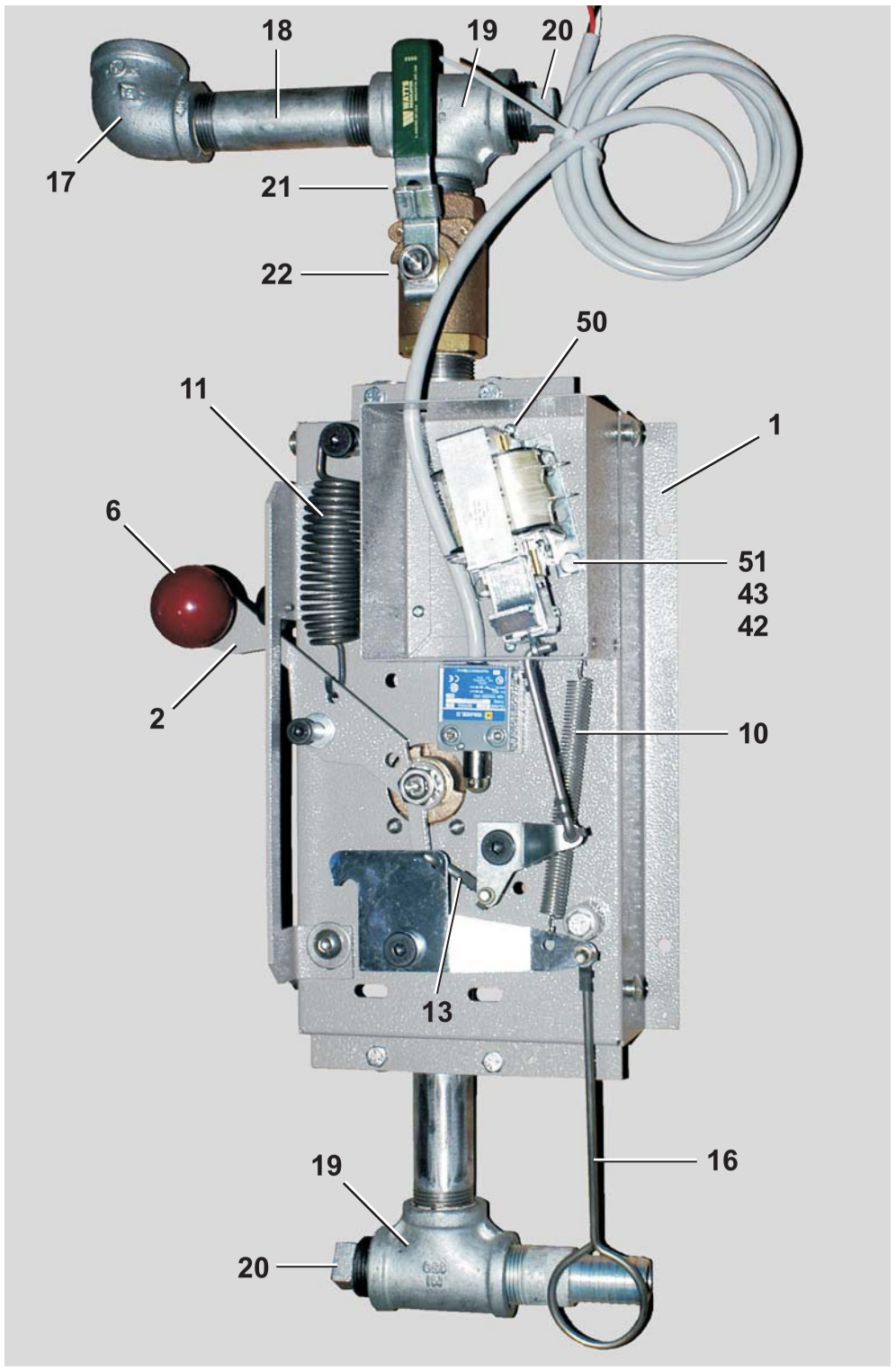
9

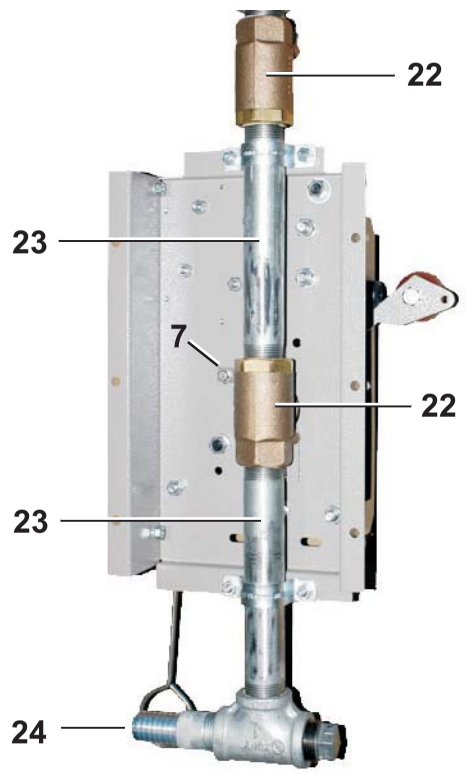
Sprinkler Assembly

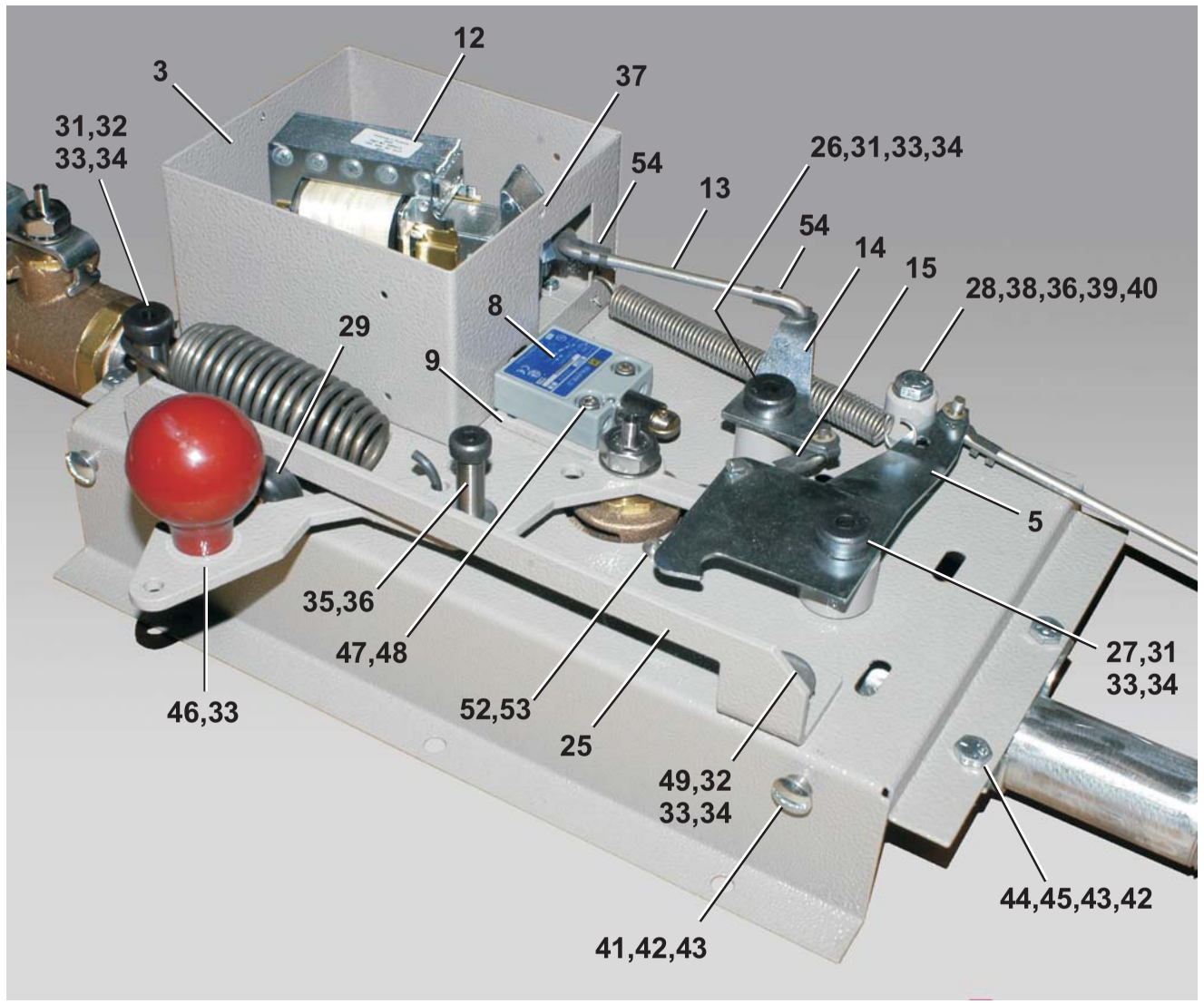
All Dryers

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.







Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Sprinkler Assembly

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
----------			----------ASSEMBLIES----------	----------
	A	A77SM005	ASSY=SPRINKLER 6458 LEFT	
----------			----------COMPONENTS----------	----------
all	1	07 50276A	SPRINKLER BASE PLATE MOD	
all	2	07 50277A	SPRINKLER HANDLE-STAMPING	
all	3	07 50278A	SOLENOID BOX=SPRINKLER MOD	
all	4	07 50280	COVER FOR SOLENOID BOX	
all	5	07 50281	LATCH ARM FOR SPRINKLER	
all	6	12P100	BALLKNOB RD PLASTIC DAVIES#45H	
all	7	07 50449	MICROSWITCH BACKPLATE	
all	8	09RM01209S	CAPSW 9FT 180DEG ROLLER SILVER	
all	9	07 50285	SWITCH MOUNT SPACER PLATE	
all	10	07 50293	SPRING.500 0DX4.00LGX.049EXT	
all	11	00 06102B	SPRING=1.35 O.D/4.49 LONG	
all	12	09K061D	SOLENOID 120V 60C #8940	
all	13	07 50401	SOLENOID LINKAGE ROD	
all	14	07 50402	TRIP LINK FOR SPRINKLER	
all	15	07 50400	LATCH ARM LINKAGE ROD	
all	16	07 50436	MANUAL TRIP HNDL 8.75" LONG	
all	17	5SL1ENFA1A	NPTELB 90DEG 1.25X1 GALM 150#	
all	18	5N1A05AG42	NPT NIPPLE 1X5 TBE GALSTL SK40	
all	19	5S1ANFA	NPT TEE 1" GALMAL 150#	
all	20	5SP1ADESC	NPT PLUG 1" SQ CORED GAL CI	
all	21	5N1ACLSG42	NPT NIP 1XCLS TBE GALSTL SK40	
all	22	96D085WEXS	BALVAL 1"BRZWATTB6400SSZ1070SP	
all	23	5N1A08AG42	NPT NIP 1X8 TBE GALSTL SK40	
all	24	51E099SP	DIXON1"KINGCOMBNIP PLTD.#STC10	
all	25	07 50860	+SPRINKLER RESET HANDLE STOP	
all	26	07 50299	DRYER SPRINKLER SPACER	
all	27	07 50300	.884 LONG SPRINKLER SPACER	
all	28	07 50301	.75 LONG SPRINKLER SPACER	

Parts List, cont.—Sprinkler Assembly

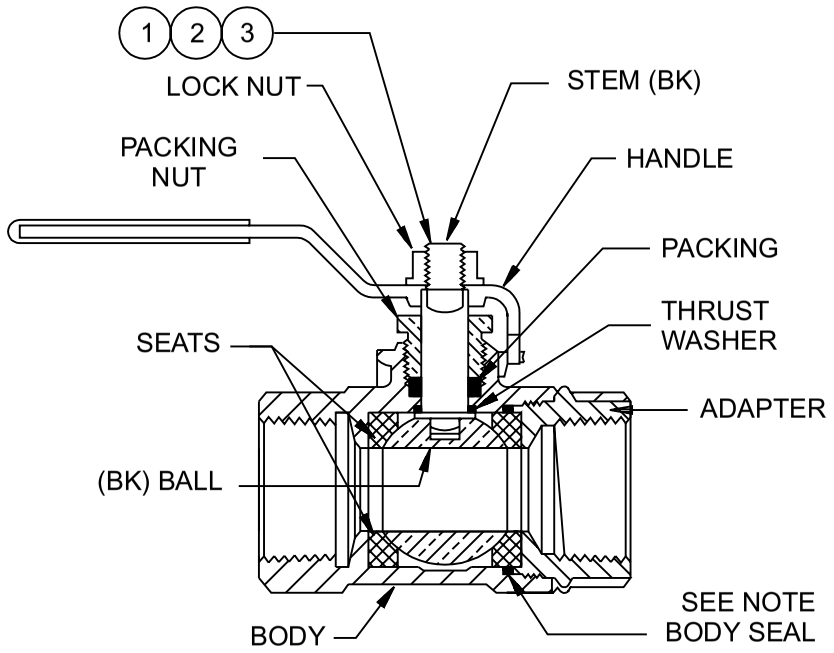
Used In	Item	Part Number	Description	Comments
all	29	60C001	RUBBER BUMPER-BLKW/WASHER #698	
all	31	15C061	HXSOKSTRIPBLT 1/2X1X3/8-16	
all	32	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	33	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	34	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	35	15C048	HXSOKSTRIPBLT 3/8X1X5/16-18	
all	36	15U200	FLATWASHER(USS STD) 5/16"ZNC P	
all	37	15P002	TRDCUT-F PAN HD 6-32UNC2AX1/4"	
all	38	15K070	HXCAPSCR 5/16-18 UNC2A X1.5 GR	
all	39	15U210	LOKWASHER MEDIUM 5/16 ZINCPL	
all	40	15G185	HXNUT 5/16-18UNC2B SAE ZINC GR	
all	41	15N162A	TRUSMACSCR 1/4-20UNC2AX1/2 ZIN	
all	42	15G165	HXNUT 1/4-20UNC2BSAE ZC GR2	
all	43	15U180	LOCKWASHER MEDIUM 1/4 ZINCPL	
all	44	27A019	1"PIPESTRAP 2HOLE STAMPED GALV	
all	45	15K039	HXCAPSCR 1/4-20UNC2AX3/4 GR5 Z	
all	46	15K086D	HXCAPSCR 3/8-16 UNC2A X 7/8" 1	
all	47	15K021A	SOKCAPSCR 10-24UNCX1" LG S/S	
all	48	15G126	HXLOCKNUT NYLON 10-24 UNC SS N	
all	49	15K091	BTNHDSOKCAPSCR 3/8-16NCX1 GR5	
all	50	15N036	PANMACHSCR SEM 6-32UNC2AX1/4 Z	
all	51	15K030	HEXCAPSCR 1/4-20UNC2X1/2 GR5 Z	
all	52	15N130	RDMACSCR 10-24UNC2A X 1/2 SS18	
all	53	15U150	LOCKWASHER MEDIUM #10 ZINCPL	
all	54	17N300	3/16" ROD CLIP 4L FMP#85303	

.

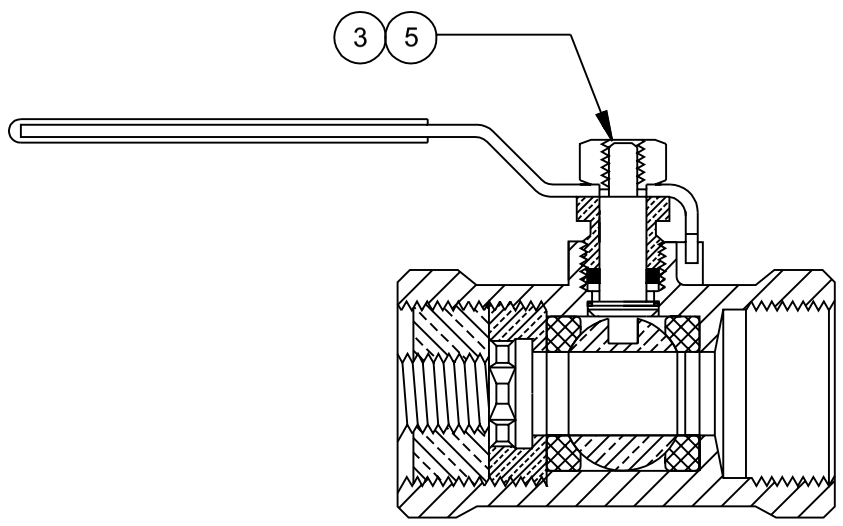
Watts Ball Valves and Repair Kits

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400
BMP920007/96067V (1 of 2)
Litho in U.S.A.

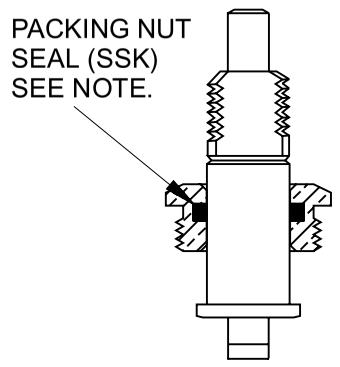
BALL VALVES WITHOUT ACTUATOR PADS FOR MANUAL OPERATION



1/2" BRONZE OR 1/2", 3/4" STAINLESS
NO REPAIR KITS

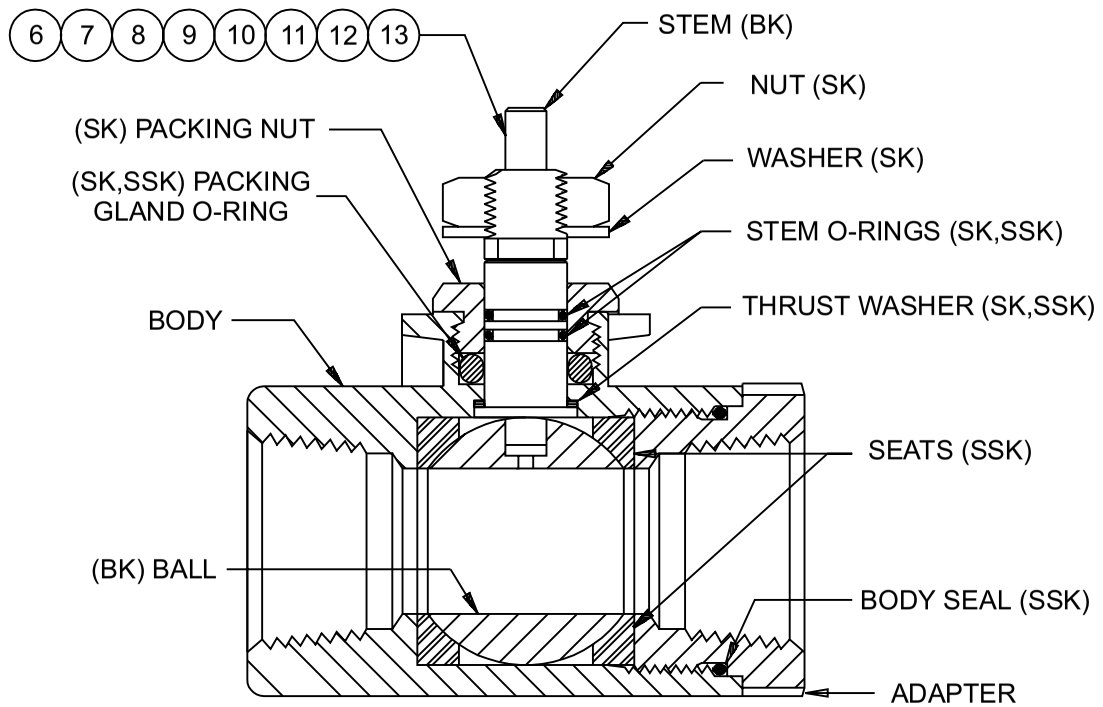


3/4",1"
BRONZE
NO REPAIR KITS



DETAIL
OLD STYLE STEM

AIR OPERATED BALL VALVES



1",1-1/4",1-1/2",2"
BRONZE & STAINLESS

(For Bracketry and Mounting Hardware, See BMP920005. For Air Cylinders that Operate Watts Ball Valves, See BMP920006.)

HOW TO USE THIS DRAWING:

The ball valves are separated by size, material, and type of operation. Find the cross section which shows your ball valve (example 1-1/2" bronze air operated). See the parts list for the item number which represents your ball valve (1-1/2" bronze air operated would be item 10 on the parts list). For valves that offer repair kits the internal parts are labled and marked as to which kit they are found in:

- (BK) part of Ball Kit
- (SK) part of Stem Kit
- (SSK) part of Seat/Seal Kit

For the part number of the Seat/Seal Kit for item 10 (1-1/2" bronze air operated valve) see the parts list and look for item 10SSK, likewise the Stem Kit will be 10SK.

NOTE:

AIR OPERATED VALVES: (SSK) kits for air operated ball valves include all parts required to repair either our old style or new style stems. A packing nut seal is provided to repair our old style stems which had a seal in the packing nut (see Detail). Our new style stem uses a double o-ring design.

Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

Parts List—Watts Ball Valves and Repair Kits

Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
----------ASSEMBLIES----------				
			none	
----------COMPONENTS----------				
all	1	96D034	04Z BALLVALVE 1/2" WATTS #6400-SS	1/2"BRONZE-MANUAL, NO KITS
all	2	96D040WSS	01Z 1/2" BALLVALVE S/S WATTS#S-8000	1/2"STAINLESS-MANUAL
all	002BK	96V040BK	BALL KIT WATTS #BV4SSA6	
all	002SSK	96V040SSK	01Z REPKIT 1/2"VAL WATTS#3SSK-02-RK	
all	3	96D050A	01Z 3/4"BALLVALVE BRZ WATTS#B6100	3/4"BRONZE-MANUAL, NO KITS
all	4	96D055WSS	01Z 3/4"BALLVALVE S/S WATTS#S-8000	3/4"STAINLESS-MANUAL
all	004BK	96V055BK	BALL & STEM KIT WATTS #4BSK-SSRK	
all	004SSK	96V055SSK	01Z REPKIT 3/4"VAL WATTS#4SSK-02-RK	
all	5	96D084	01Z BALL VALVE 1" WATTS#B6100 BRZ	1" BRONZE-MANUAL , NO KITS
all	6	96D085WEXS	07Z BALVAL 1" BRZ WATTS#B6400SSZ107	1" BRONZE-AIR OPERATED
all	006BK	96V085BK	BALL KIT WATTS #1-BALL-RK-Z107	
all	006SK	96V085SK	02Z STEM KIT 1" WATTS#1-ST-RK-Z107	
all	006SSK	96V085SSK	02Z REPKIT 1"BALVAL#1SSK-02-KK-Z107	
all	7	96D085WSS	07Z BALVAL 1" SS WATTS S8000-Z107	1" STAINLESS-AIR OPERATED
all	007BK	96V085BK	BALL KIT WATTS #1-BALL-RK-Z107	
all	007SK	96V085SK	02Z STEM KIT 1" WATTS#1-ST-RK-Z107	
all	007SSK	96V085SSK	02Z REPKIT 1"BALVAL#1SSK-02-KK-Z107	
all	8	96D086WEXS	08Z BAVAL 1+1/4BRZ WATS#B6400SSZ107	1-1/4"BRONZE-AIR OPERATED
all	008BK	96V086BK	BALL KIT WATTS #1.25-BALL-RK-Z107	
all	008SK	96V086A7SK	02Z STEMKIT 1.25-1.5-ST-RK-Z107	

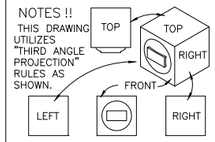
Parts List, cont.—Watts Ball Valves and Repair Kits

Used In	Item	Part Number	Description	Comments
all	008SSK	96V086SSK	02Z REPKIT 1.25BALVALSSK-02-RK-Z107	
all	9	96D086WSS	08Z BAVAL 1+1/4"SS WATTS S8000-Z107	1-1/4"STAINLESS-AIR OPER.
all	009BK	96V086BK	BALL KIT WATTS #1.25-BALL-RK-Z107	
all	009SK	96V086A7SK	02Z STEMKIT 1.25-1.5-ST-RK-Z107	
all	009SSK	96V086SSK	02Z REPKIT 1.25BALVALSSK-02-RK-Z107	
all	10	96D087WEXS	09Z BAVAL 1+1/2BRZ WATS#B6400SSZ107	1-1/2"BRONZE-AIR OPERATED
all	010BK	96V087BK	BALL KIT WATTS #1.5-BALL-RK-Z107	
all	010SK	96V086A7SK	02Z STEMKIT 1.25-1.5-ST-RK-Z107	
all	010SSK	96V087SSK	02Z REPAIR KIT 1.5" BALL VALVE	
all	11	96D087WSS	08Z BAVAL 1+1/2"SS WATTS S8000-Z107	1-1/2"STAINLESS-AIR/ OPER.
all	011BK	96V087BK	BALL KIT WATTS #1.5-BALL-RK-Z107	
all	011SK	96V086A7SK	02Z STEMKIT 1.25-1.5-ST-RK-Z107	
all	011SSK	96V087SSK	02Z REPAIR KIT 1.5" BALL VALVE	
all	12	96D088WEXS	09Z BALVAL 2" BRZ WATTS#B6400SSZ107	2"BRONZE-AIR OPERATED
all	012BK	96V088BK	BALL KIT WATTS #2-BALL-RK-Z28	
all	012SK	96V088SK	03Z STEM KIT 2" WATTS#2-ST-RK-Z107	
all	012SSK	96V088SSK	02Z REPKIT 2"VAL WAT2SSK-02-RK-Z107	
all	13	96D088WSS	09Z BALVAL 2" SS WATTS S8000-Z107	2"STAINLESS-AIR OPERATED
all	013BK	96V088BK	BALL KIT WATTS #2-BALL-RK-Z28	
all	013SK	96V088SK	03Z STEM KIT 2" WATTS#2-ST-RK-Z107	
all	013SSK	96V088SSK	02Z REPKIT 2"VAL WAT2SSK-02-RK-Z107	

Installation Drawings

10

NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



GAS CONSUMPTION:
MAXIMUM NATURAL GAS CONSUMPTION:
1,800,000 BTU/HR
(453,000 KCAL/HR)
AVERAGE NATURAL GAS CONSUMPTION:
1,400,000 BTU/HR
(352,000 KCAL/HR)
GAS PRESSURE REQUIREMENTS:
25" W.C. AT EACH MACHINE
CONNECTION: 1.5" NPT
BURNER RATING: 2M BTU/HR MAX FLAME

AIR:
85-110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

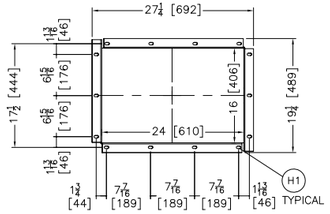
MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
8500 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 26"[660] DIA.

COMBUSTION AIR:
FIRE BOX: N/A
COMBUSTION AIR BLOWER: 400 SCFM
TOTAL AIR: 400 SCFM

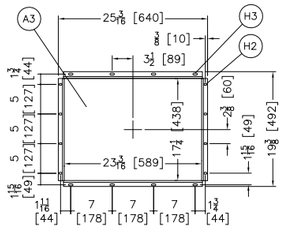
WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE

W1	SPRINKLER WATER INLET , 1-1/4" NPT
L1	REMOVABLE ACCESS DOORS
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
G2	GAS LINE VENT, 1/4" STAINLESS STEEL TUBING

ITEM	LEGEND
G1	GAS INLET, 1-1/2" NPT CONNECTION
F3	LEVELING BOLT (5/8"-11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 15.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E4	EMERGENCY STOP
E3	EMERGENCY STOP & DOOR OPEN CONTROLS
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
C4B	OPTIONAL SHORT SHROUD
C4A	STANDARD DISCHARGE SHROUD
C3	DISCHARGE DOOR
C2	LOAD DOOR, 52" WIDE
C1	LOAD HEIGHT, ADJUSTABLE LOAD SHELF
B6	OPTIONAL BEACON
B5	BLOWER MOTOR
B4	BURNER
B3	DRYER TO DRYER MOUNTING BRACKET
B2	SHIPPING BRACKET ONLY
B1	DRYER MOUNT FESTOON RAIL SUPPORT
A5	COMBUSTION AIR INTAKE
A4	AIR VALVE BOX
A3	BLOWER EXHAUST TO REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION 1"NPT

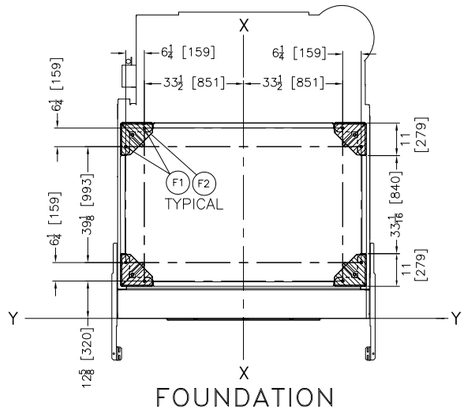


BLOWER INTAKE DUCT DETAIL

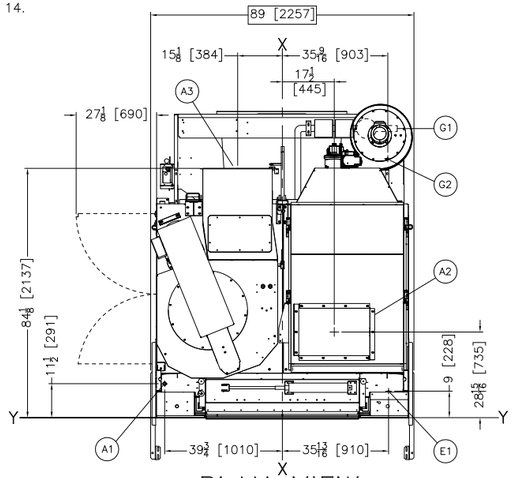


BLOWER EXHAUST DUCT TO REAR DETAIL
SEE NOTE 14.

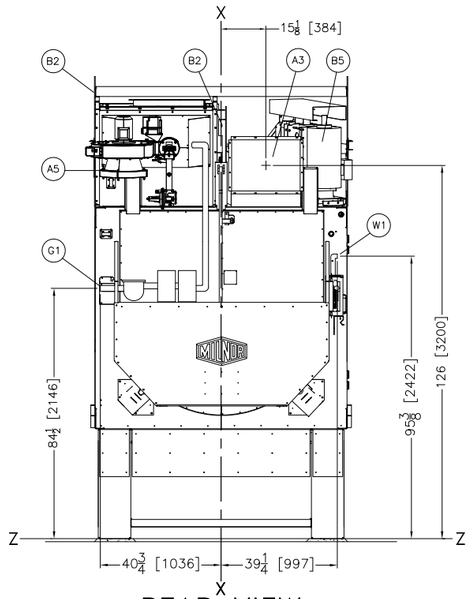
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.



FOUNDATION PLAN



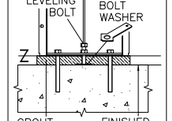
PLAN VIEW



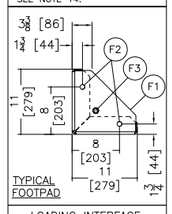
REAR VIEW

DETAILS:

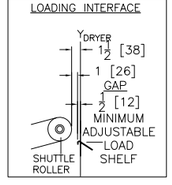
LEVEL & GROUT

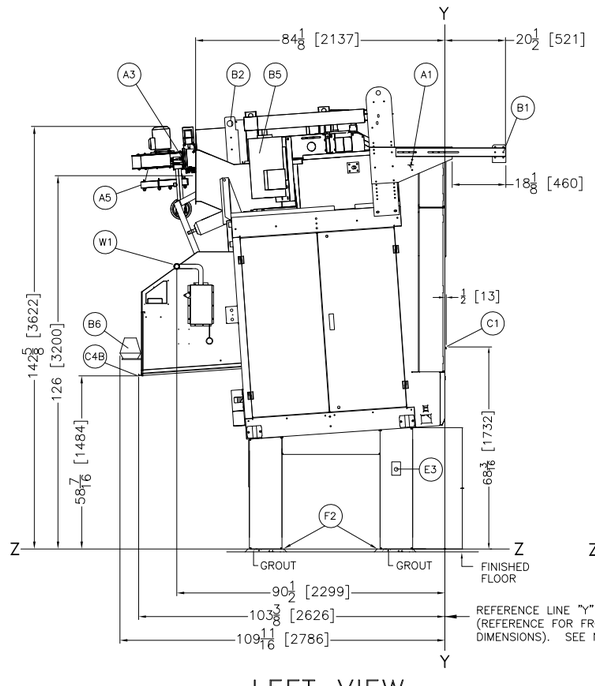


LEVEL WITH LEVELING BOLT TO "Z". GROUT AND ANCHOR ALL FOOTPADS. SEE NOTE 14.



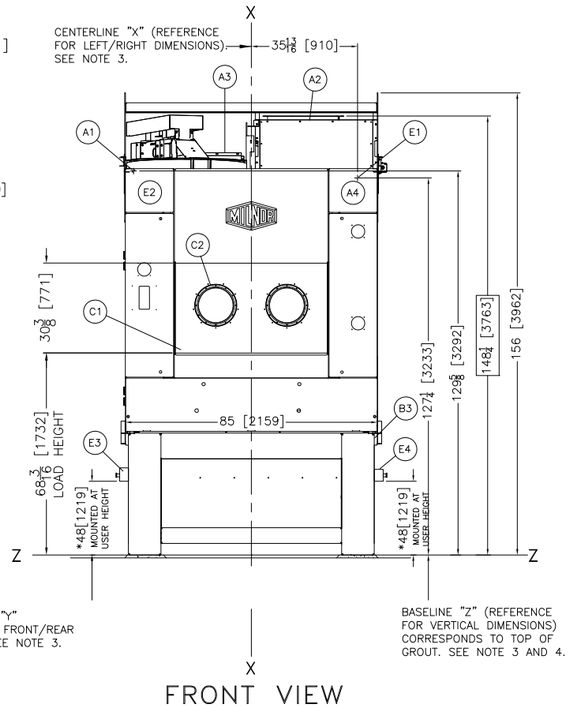
LOADING INTERFACE





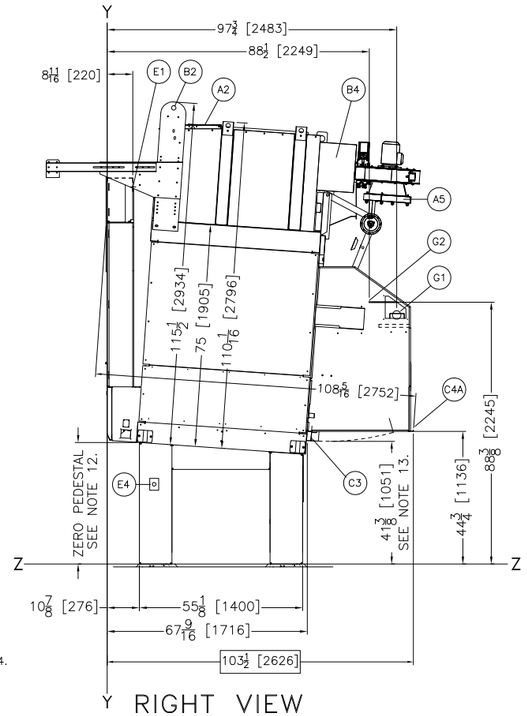
LEFT VIEW

REFERENCE LINE "Y" (REFERENCE FOR FRONT/REAR DIMENSIONS). SEE NOTE 3.



FRONT VIEW

BASELINE "Z" (REFERENCE FOR VERTICAL DIMENSIONS) CORRESPONDS TO TOP OF GROUT. SEE NOTE 3 AND 4.



RIGHT VIEW

NOTES

15 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE "Z" (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

14 EXHAUST DUCTING: DRYER OPERATES UP TO 8500 SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

13 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

12 THIS DRAWING SHOWS THE 64058TG1 DRYER WITH A 41-3/8"[1051] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO TWO MAJOR COMPONENTS FOR SHIPPING, THE BASE AND THE FRAME. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

ATTENTION

THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS OPERATION. WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

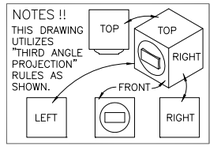
6458TG1L

DM 0 0.5M 1M
INCHES 0 12 24 36

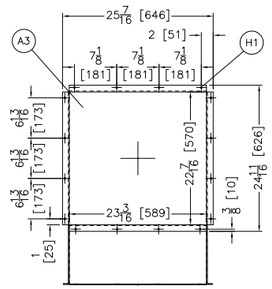
DWG# BD6458TG1LEE
2014272D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Email: milnorinfo@milnor.com

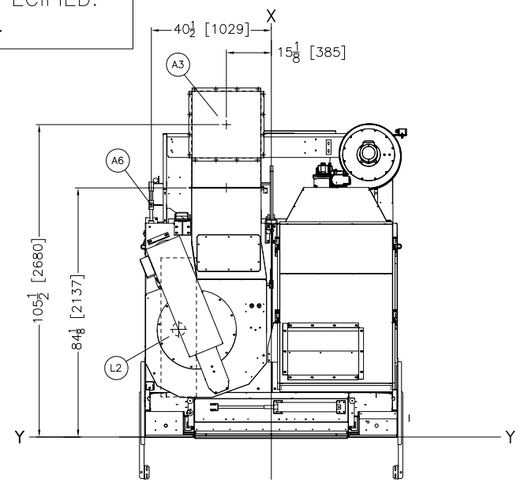
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



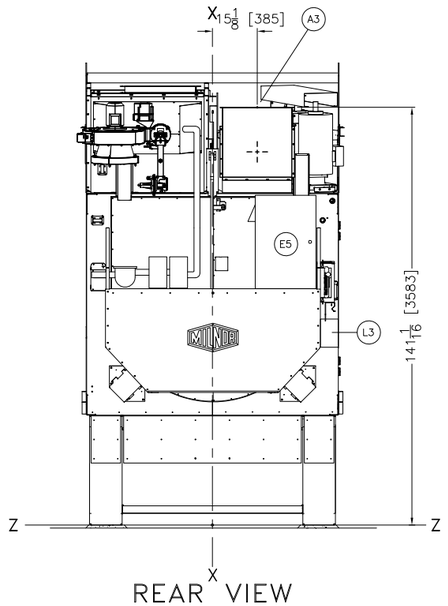
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS TO THE PEDESTAL SPECIFIED.
SEE NOTE 7.



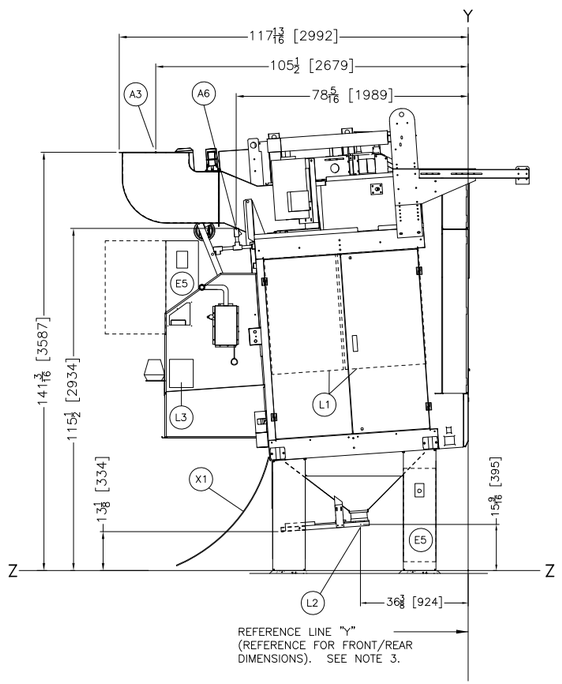
BLOWER EXHAUST DUCT UP OPTION



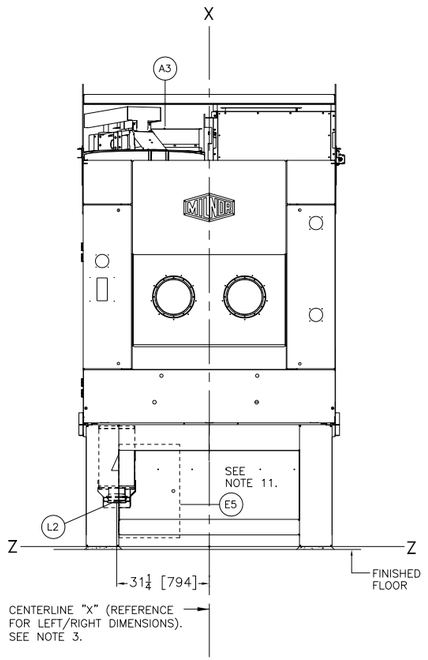
PLAN VIEW



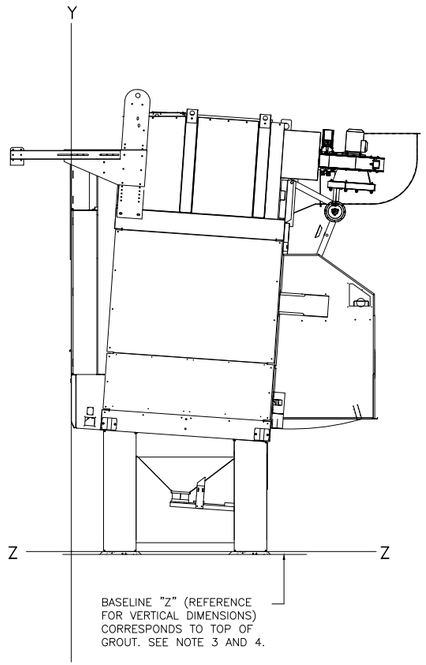
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTES 9 & 12.)

AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED

ITEM	LEGEND
X1	OPTIONAL UNLOAD BRIDGE, 48" PLASTIC SHEETING
L3	INTERNAL LINT SCREENS AIR VALVE BOX.
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL
	INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR
	LINT COLLECTOR BY OTHERS. SEE NOTES 9 & 10 AND
	DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
H1	BOLT SLOTS, 5/16"[7] DIA.
E5	OPTIONAL INVERTER BOX IS LOCATED AS SPECIFIED ON THE
	DISCHARGE SHROUD, PEDESTAL FRONT, OR FOR REMOTE
	MOUNTING.
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
A3	BLOWER EXHAUST DUCTING UP OPTION, SEE DETAIL.

NOTES

12 A WATER SEPARATOR (NOT SUPPLIED BY PMC) IS REQUIRED FOR THE INCOMING AIR TO THE INTERNAL LINT SYSTEM.

11 OPTIONAL INVERTER BOX MAY BE SPECIFIED FOR PEDESTAL MOUNT ON 48"[1219] (ZERO PEDESTAL PLUS 7"[178]) AND TALLER PEDESTALS ONLY.

10 OPTIONAL INTERNAL LINT SCREENS IS AVAILABLE FOR DRYERS WITH 41"[1041] AND TALLER PEDESTALS ONLY.

9 FOR OPTIONAL INTERNAL LINT FILTERS, IT IS RECOMMENDED TO HAVE A 60 GALLON COMPRESSED AIR BOOSTER TANK FOR EVERY 5 DRYERS.

8 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

7 THIS DRAWING SHOWS THE 6458TG1 DRYER USING A 41"[1041] PEDESTAL BASE, WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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6458TG1L OPTIONS

DM 0 0.5M 1M
ANNA
INCHES 0 12 24 36

DWG# BD6458TG1LEB
2014272D

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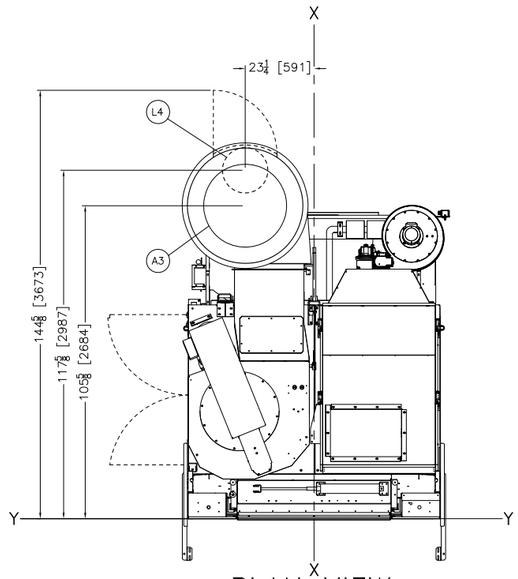
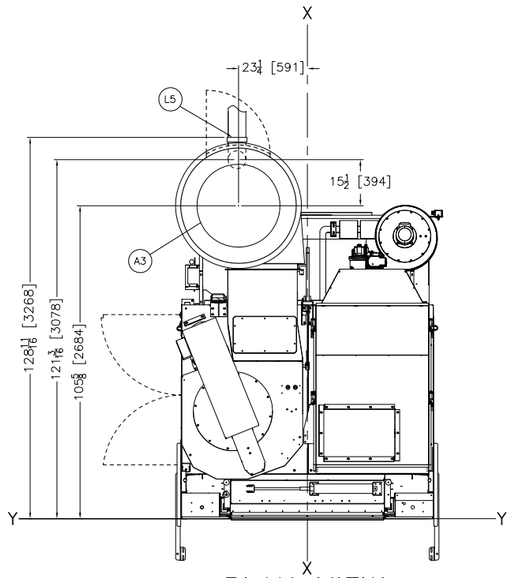
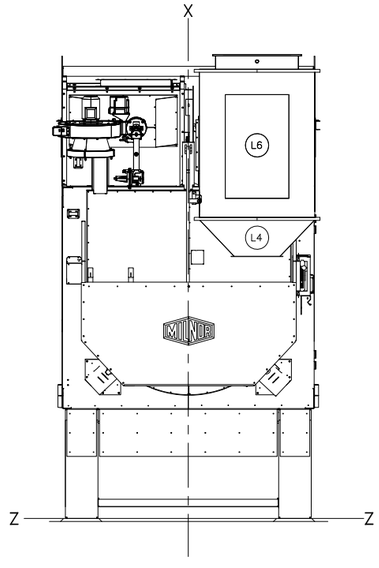
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Email: milnorinfo@milnor.com



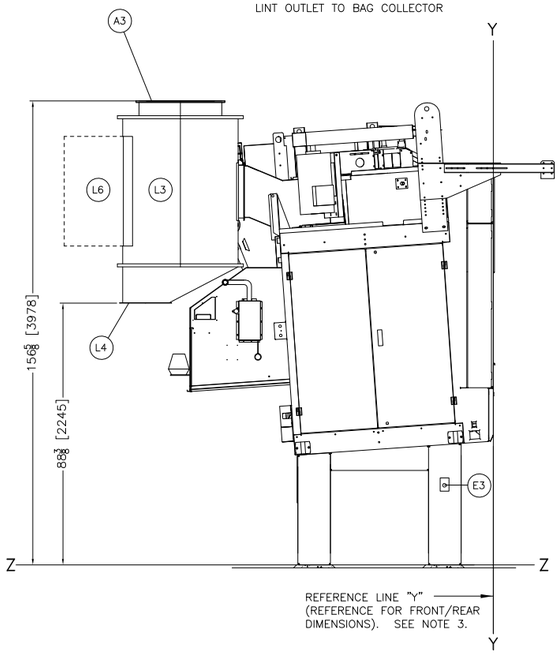
PLAN VIEW



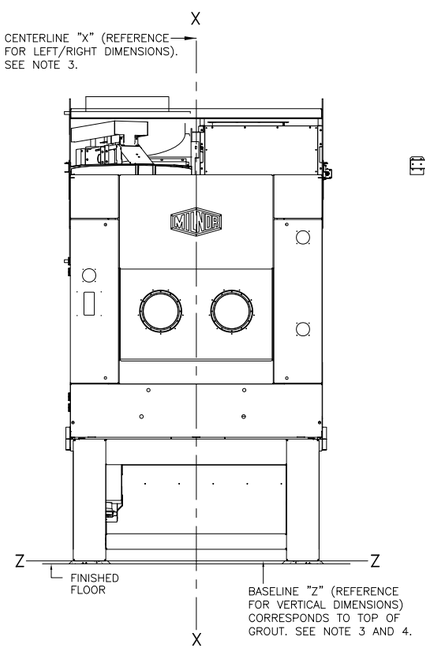
PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



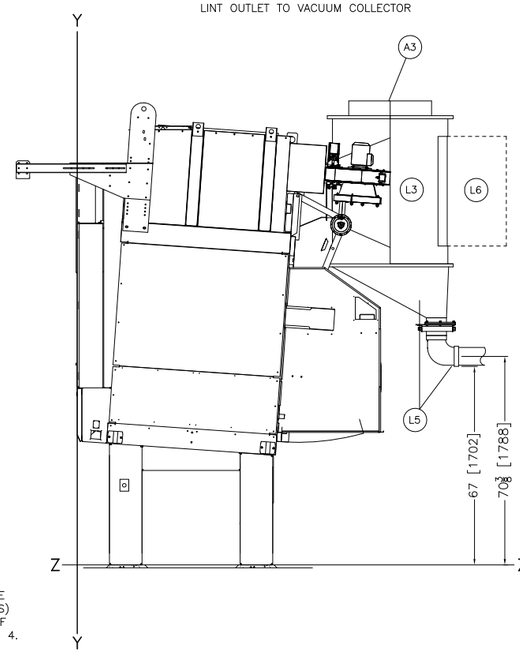
REAR VIEW
LINT OUTLET TO BAG COLLECTOR



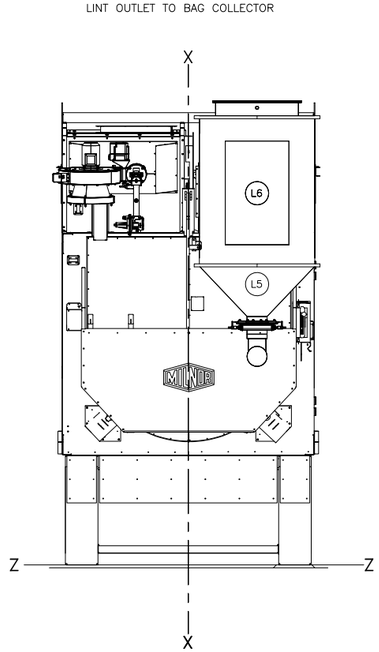
LEFT VIEW



FRONT VIEW



RIGHT VIEW



REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE 15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
A3	EXHAUST DUCT, 28"[711] DIAMETER

NOTES

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6458TG1L + MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TG1LEC 2014272D

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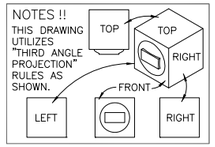

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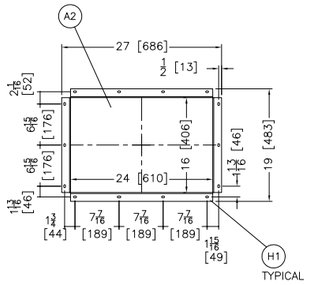
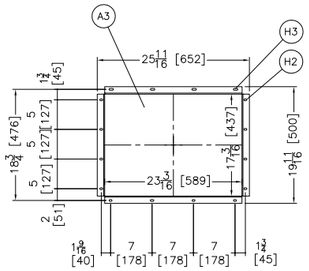
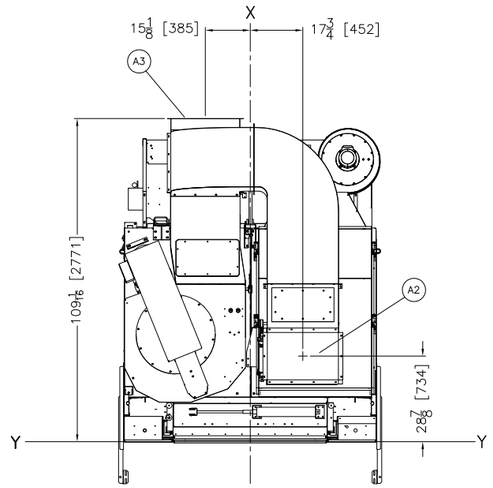


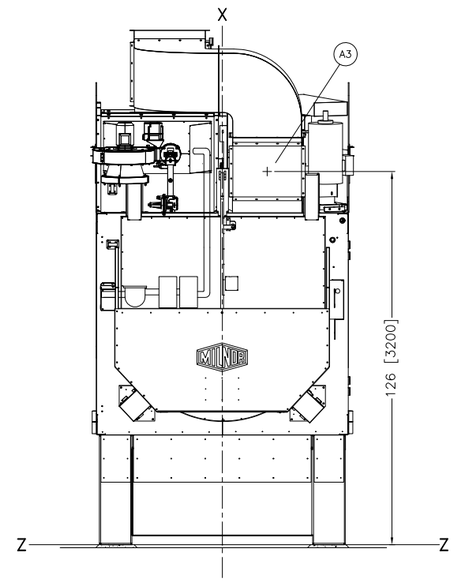
RECIRCULATION BLOWER INTAKE DUCT DETAIL



RECIRCULATION BLOWER EXHAUST DUCT TO REAR DETAIL



PLAN VIEW



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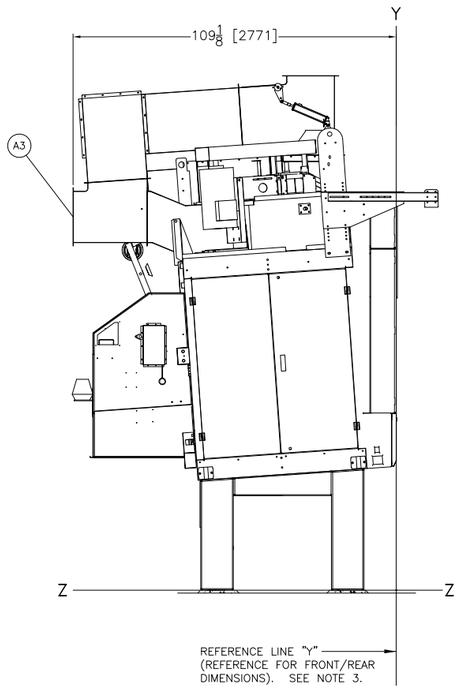
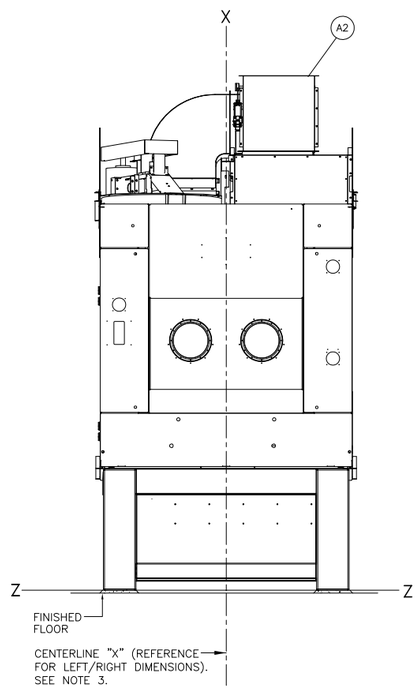
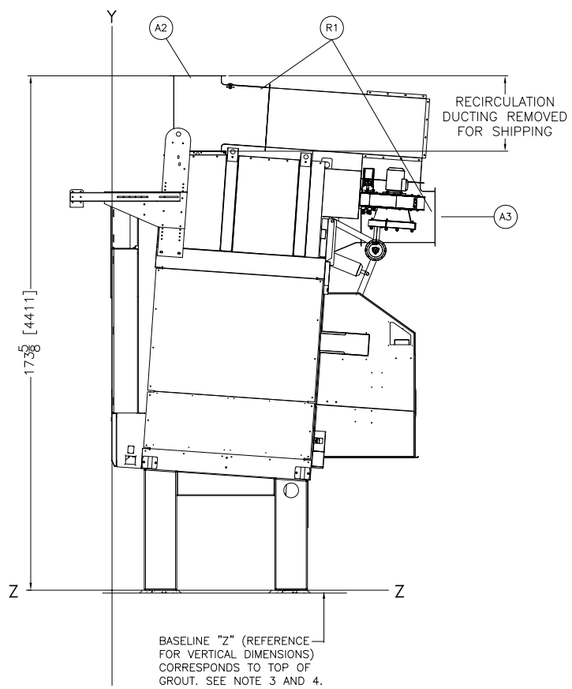


LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
R1	OPTIONAL RECIRCULATION DUCTING
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	5/16"[7] DIA. X 1/2"[13] SLOTS, 14 PLACES
A3	RECIRCULATION DUCTING BLOWER EXHAUST REAR, SEE DETAIL
A2	RECIRCULATION DUCTING BLOWER INLET, SEE DETAIL.

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6458TG1L + RECIRC

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TG1LED
2014272D

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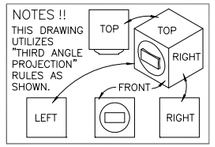

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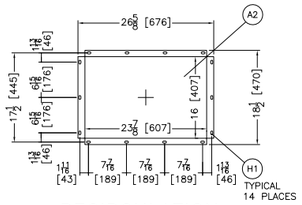
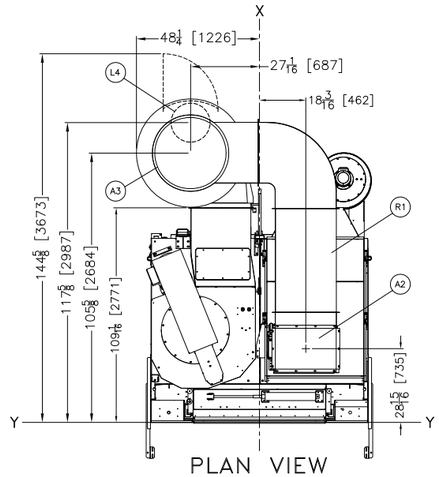
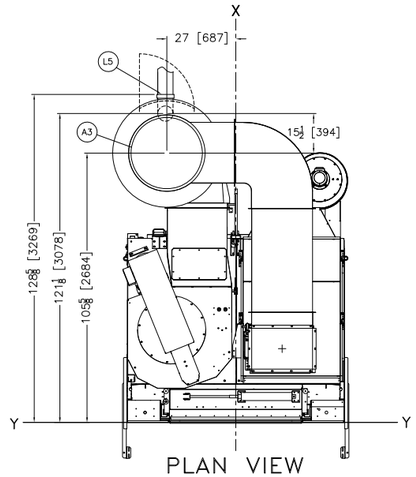


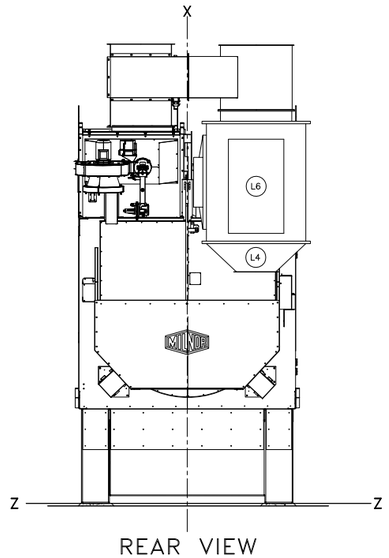
RECIRCULATION BLOWER INTAKE DUCT DETAIL



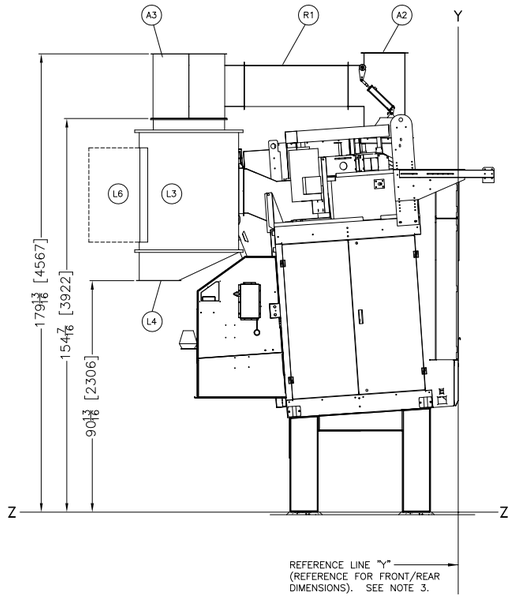
PLAN VIEW
LINT OUTLET TO BAG COLLECTOR



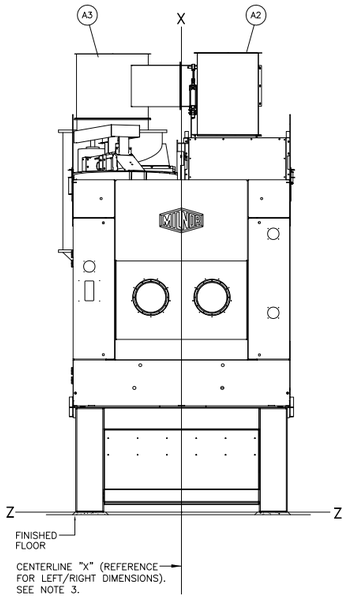
PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



REAR VIEW
LINT OUTLET TO BAG COLLECTOR



LEFT VIEW
LINT OUTLET TO BAG COLLECTOR



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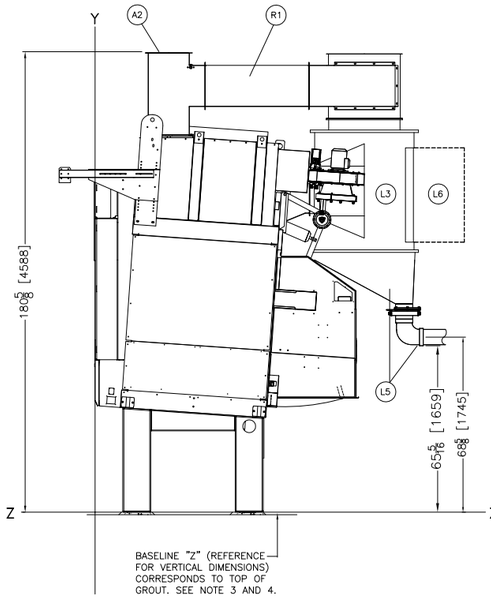

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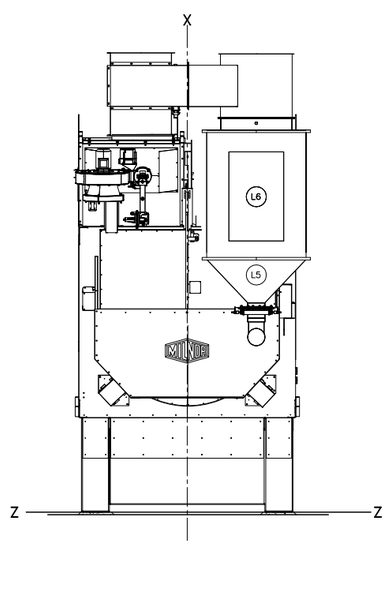

REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR

ITEM	LEGEND
R1	RECIRCULATION DUCT
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR
	DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (SUPPORTED BY OTHERS)
H1	.39"[10] DIAMETER X .3/4" SLOTS, 14 PLACES
A3	BLOWER EXHAUST, 28"[711] DIAMETER
A2	BLOWER INTAKE

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6458TG1L RECIRC + MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TG1LEF 2014272D

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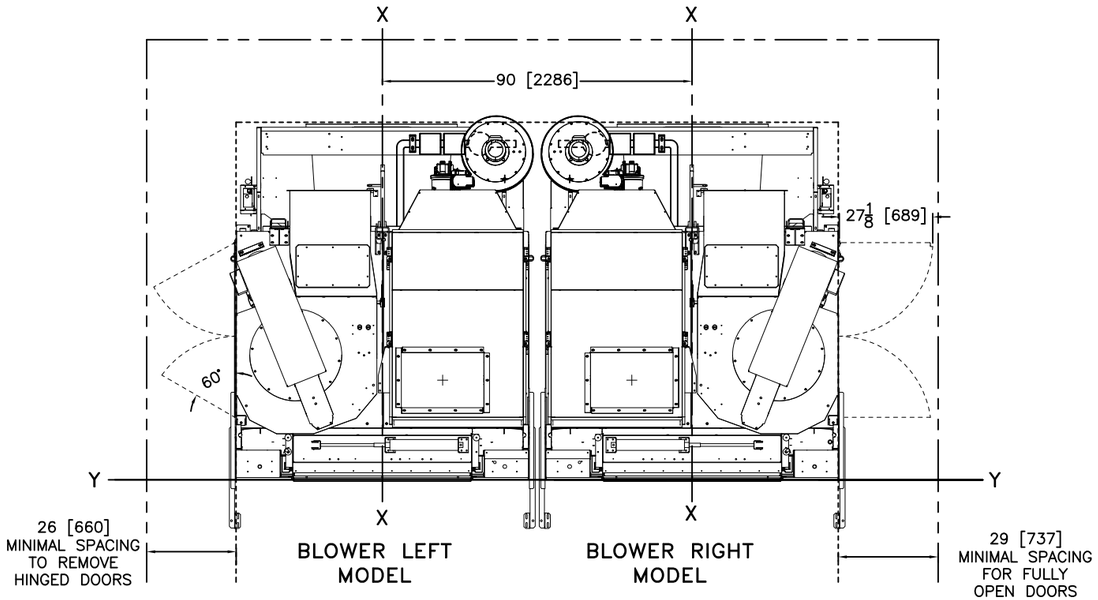
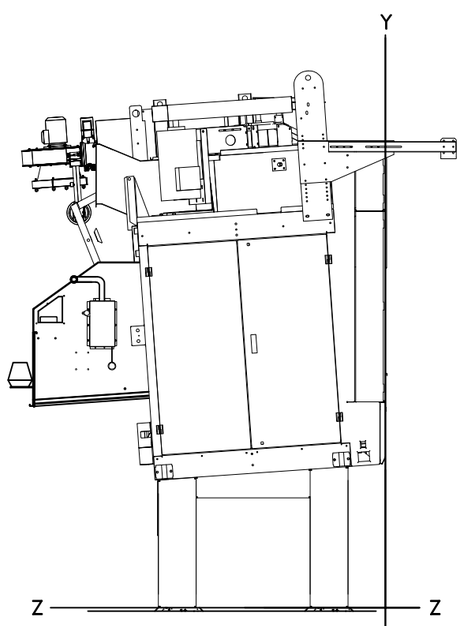
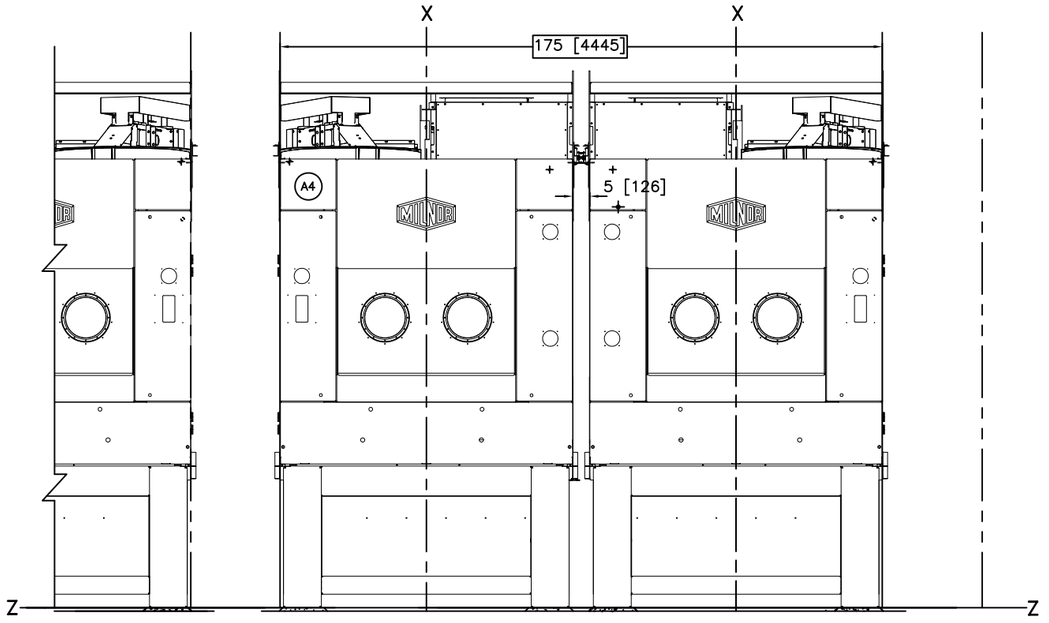


PLAN VIEW



TYPICAL
SERVICE SIDE
(BLOWER LEFT
MODEL SHOWN)
LEFT VIEW



FRONT VIEW
MIRRORED INSTALLATION

NOTES

7 THIS DRAWING SHOWS THE 64058TG1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

ATTENTION

THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS OPERATION. WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

64058 TG1L,TG1R PAIRED

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TG1PEE
2014272D

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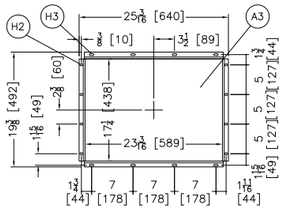
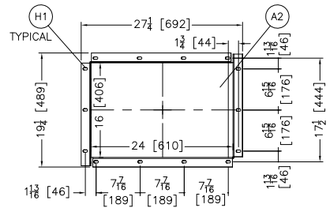
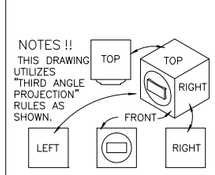


BLOWER EXHAUST DUCT
DUCT TO REAR DETAIL
SEE NOTE 14.



BLOWER INTAKE
DUCT DETAIL



GAS CONSUMPTION:
MAXIMUM NATURAL GAS CONSUMPTION:
1,800,000 BTU/HR
(453,000 KCAL/HR)
AVERAGE NATURAL GAS CONSUMPTION:
1,400,000 BTU/HR
(352,000 KCAL/HR)
GAS PRESSURE REQUIREMENTS:
25" W.C. AT EACH MACHINE
CONNECTION: 1.5" NPT
BURNER RATING: 2M BTU/HR MAX FLAME

AIR:
85-110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER
CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
8500 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 26"[660] DIA.

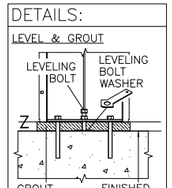
COMBUSTION AIR:
FIRE BOX: N/A
COMBUSTION AIR BLOWER: 400 SCFM
TOTAL AIR: 400 SCFM

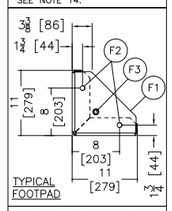
WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE

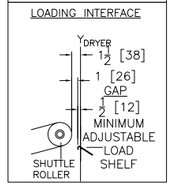
W1	SPRINKLER WATER INLET , 1-1/4" NPT
L1	REMOVABLE ACCESS DOORS
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
G2	GAS LINE VENT, 1/4" STAINLESS STEEL TUBING

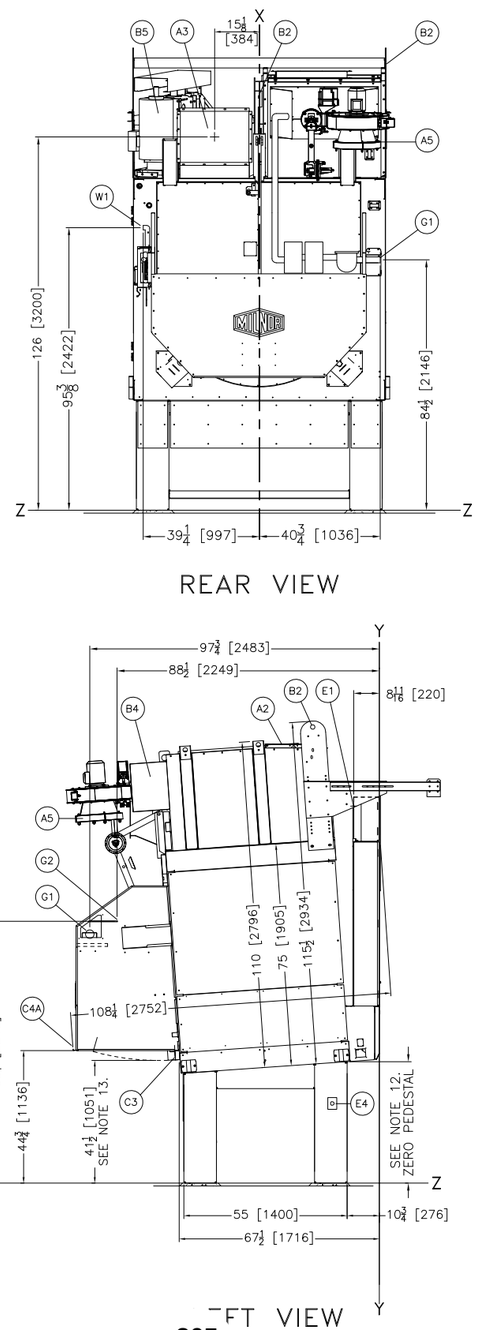
ITEM	LEGEND
G1	GAS INLET, 1-1/2" NPT CONNECTION
F3	LEVELING BOLT (5/8"-11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 15.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E4	EMERGENCY STOP
E3	EMERGENCY STOP & DOOR OPEN CONTROLS
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
C4B	OPTIONAL SHORT SHROUD
C4A	STANDARD DISCHARGE SHROUD
C3	DISCHARGE DOOR
C2	LOAD DOOR, 52" WIDE
C1	LOAD HEIGHT, ADJUSTABLE LOAD SHELF
B6	OPTIONAL BEACON
B5	BLOWER MOTOR
B4	BURNER
B3	DRYER TO DRYER MOUNTING BRACKET
B2	SHIPPING BRACKET ONLY
B1	DRYER MOUNT FESTOON RAIL SUPPORT
A5	COMBUSTION AIR INTAKE
A4	AIR VALVE BOX
A3	BLOWER EXHAUST TO REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION 1"NPT

DETAILS:

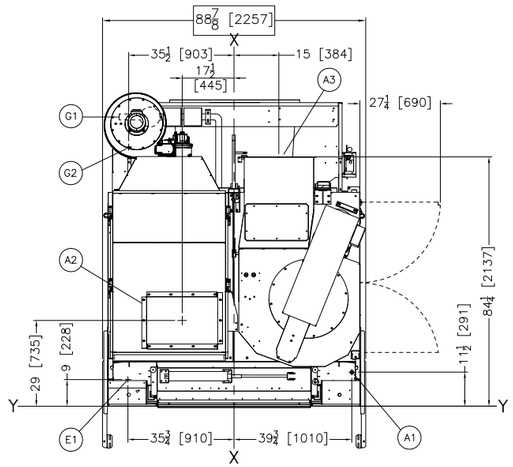






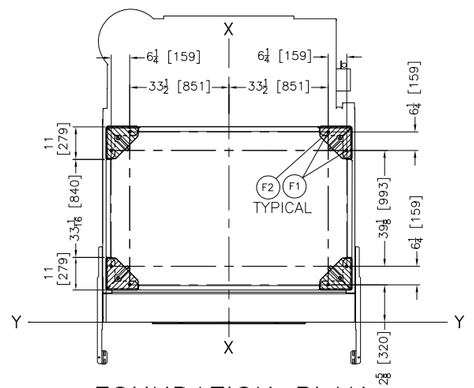


REAR VIEW



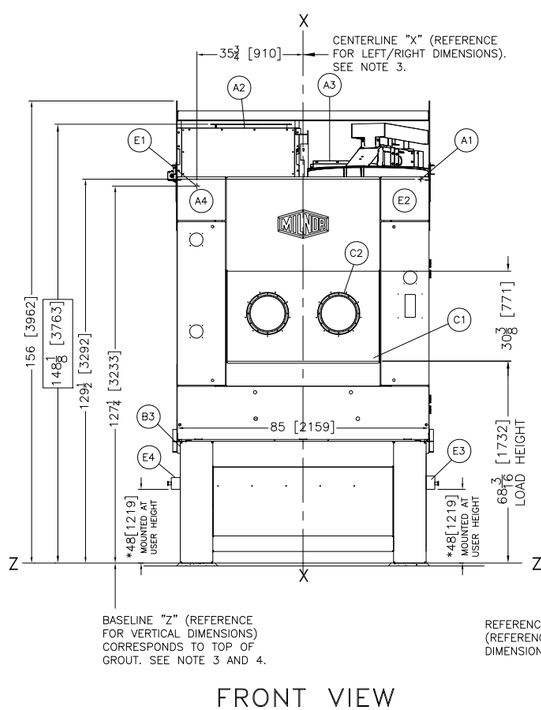
PLAN VIEW

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.



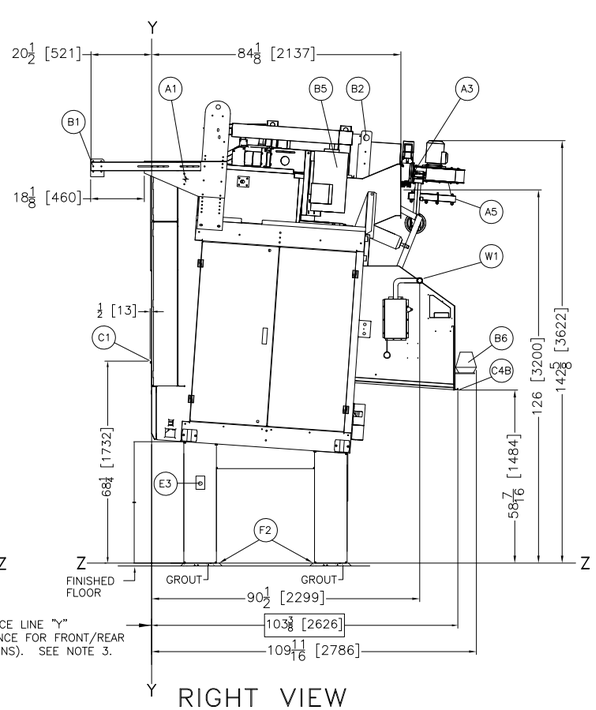
FOUNDATION PLAN

LEFT VIEW



BASELINE "Z" (REFERENCE FOR VERTICAL DIMENSIONS) CORRESPONDS TO TOP OF GROUT. SEE NOTE 3 AND 4.

FRONT VIEW



REFERENCE LINE "Y" (REFERENCE FOR FRONT/REAR DIMENSIONS). SEE NOTE 3.

RIGHT VIEW

NOTES

15 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE "Z" (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

14 EXHAUST DUCTING: DRYER OPERATES UP TO 8500 SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

13 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

12 THIS DRAWING SHOWS THE 64058TG1 DRYER WITH A 41-3/8"[1051] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO TWO MAJOR COMPONENTS FOR SHIPPING, THE BASE AND THE FRAME. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
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5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

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6458TG1R

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TG1REE
20142720

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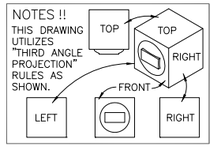
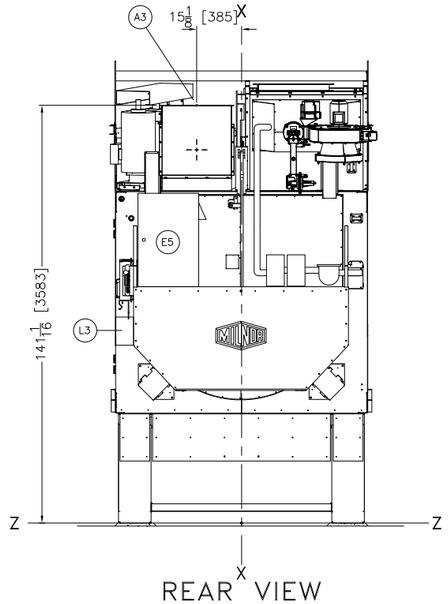
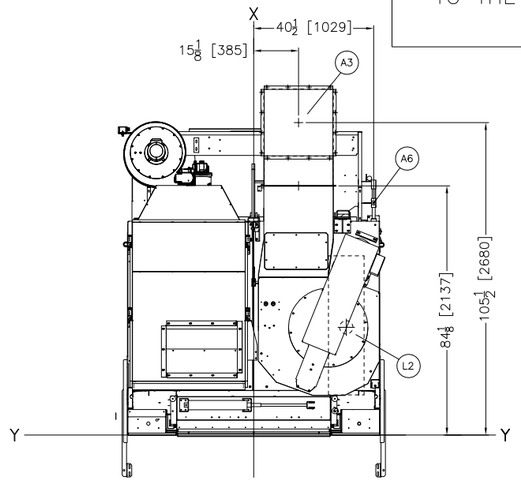
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



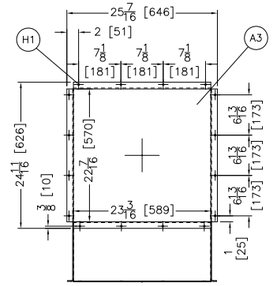


REAR VIEW

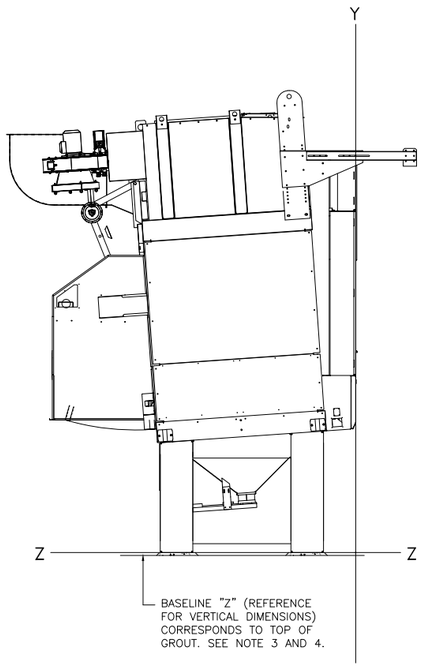
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 7.



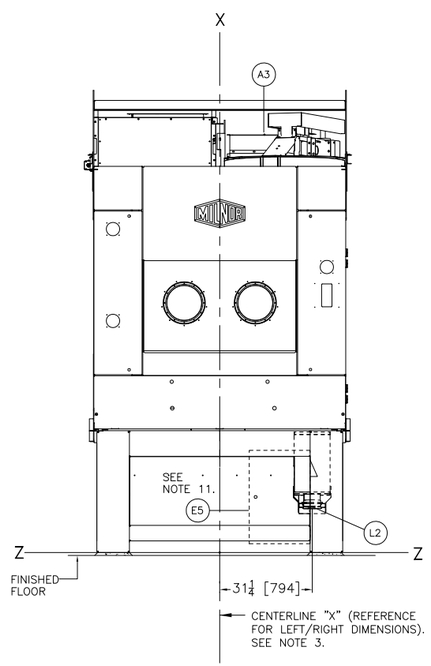
PLAN VIEW



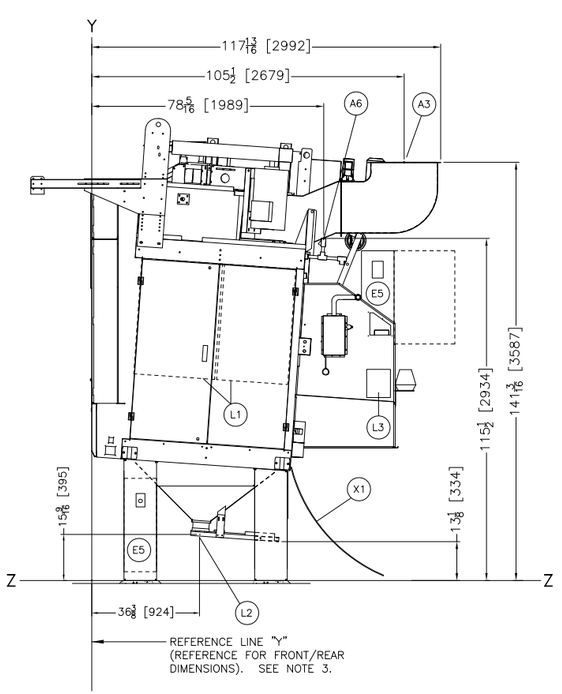
BLOWER EXHAUST
DUCT UP OPTION



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTES 9 & 12.)

AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED

ITEM	LEGEND
X1	OPTIONAL UNLOAD BRIDGE, 48" PLASTIC SHEETING
L3	INTERNAL LINT SCREENS AIR VALVE BOX.
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL
	INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR
	LINT COLLECTOR BY OTHERS. SEE NOTES 9 & 10 AND
	DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
H1	BOLT SLOTS, 5/16"[7] DIA.
E5	OPTIONAL INVERTER BOX IS LOCATED AS SPECIFIED ON THE
	DISCHARGE SHROUD, PEDESTAL FRONT, OR FOR REMOTE
	MOUNTING.
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
A3	BLOWER EXHAUST DUCTING UP OPTION, SEE DETAIL.

NOTES

12 A WATER SEPARATOR (NOT SUPPLIED BY PMC) IS REQUIRED FOR THE INCOMING AIR TO THE INTERNAL LINT SYSTEM.

11 OPTIONAL INVERTER BOX MAY BE SPECIFIED FOR PEDESTAL MOUNT ON 48"[1219] (ZERO PEDESTAL PLUS 7"[178]) AND TALLER PEDESTALS ONLY.

10 OPTIONAL INTERNAL LINT SCREENS IS AVAILABLE FOR DRYERS WITH 41"[1041] AND TALLER PEDESTALS ONLY.

9 FOR OPTIONAL INTERNAL LINT FILTERS, IT IS RECOMMENDED TO HAVE A 60 GALLON COMPRESSED AIR BOOSTER TANK FOR EVERY 5 DRYERS.

8 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

7 THIS DRAWING SHOWS THE 6458TG1 DRYER USING A 41"[1041] PEDESTAL BASE, WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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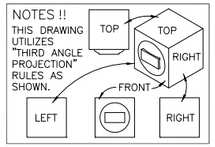
6458TG1R OPTIONS

DM 0 0.5M 1M
ANNA INCHES 0 12 24 36

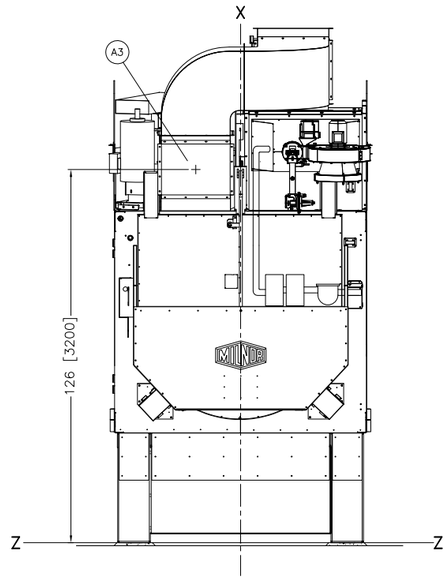
DWG# BD6458TG1REB
2014272D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Email: milnorinfo@milnor.com

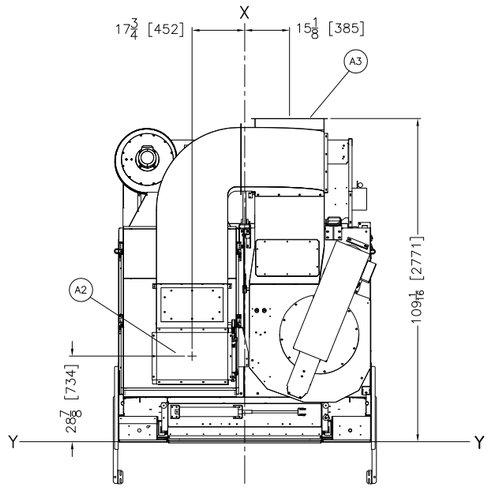
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



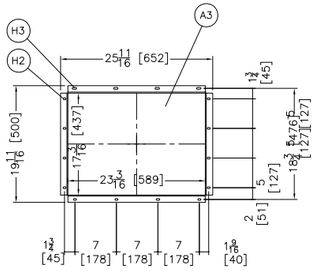
THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6458TG1REE.



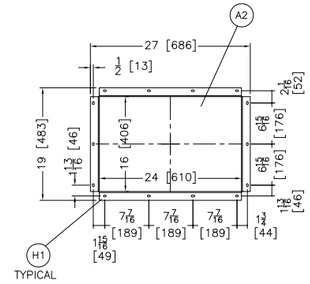
REAR VIEW



PLAN VIEW

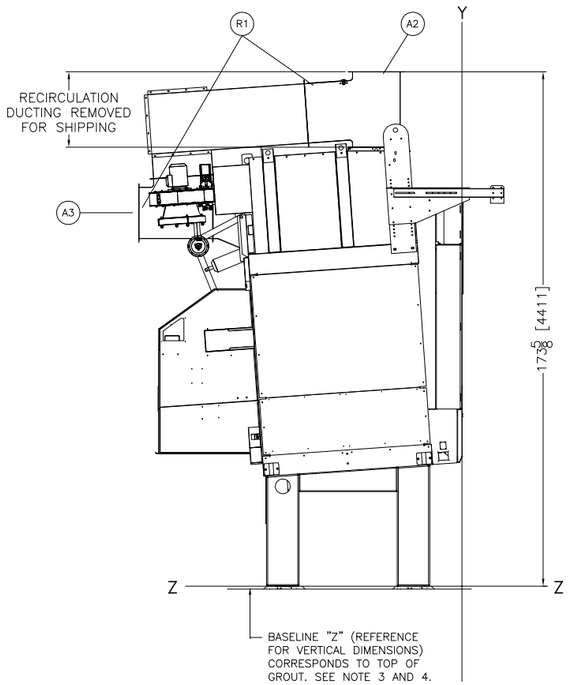


RECIRCULATION BLOWER EXHAUST DUCT TO REAR DETAIL

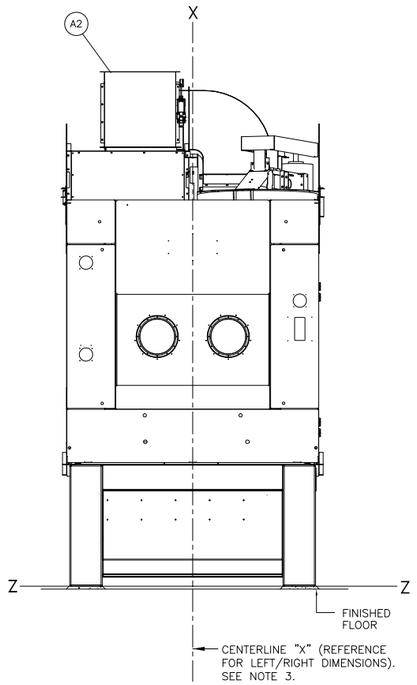


RECIRCULATION BLOWER INTAKE DUCT DETAIL

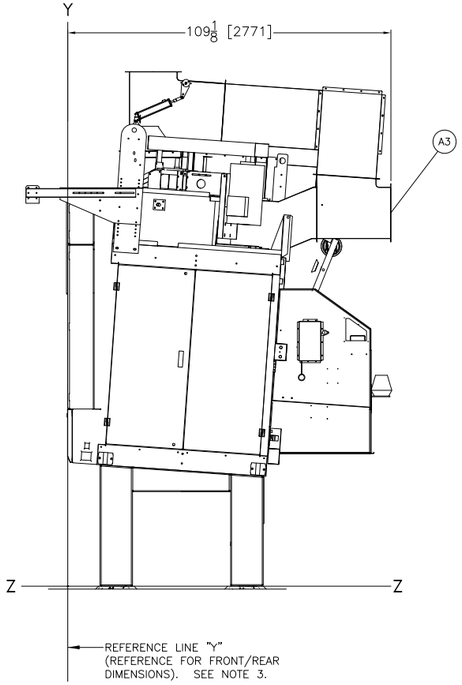
ITEM	LEGEND
R1	OPTIONAL RECIRCULATION DUCTING
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	5/16"[7] DIA. X 1/2"[13] SLOTS, 14 PLACES
A3	RECIRCULATION DUCTING BLOWER EXHAUST REAR, SEE DETAIL
A2	RECIRCULATION DUCTING BLOWER INLET, SEE DETAIL.



LEFT VIEW



FRONT VIEW



RIGHT VIEW

NOTES

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

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11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO THREE MAJOR COMPONENTS FOR SHIPPING, THE BASE, THE FRAME & THE RECIRCULATION DUCTING. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT THE MACHINE THROUGH AN OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 THIS DRAWING SHOWS THE 64058TG1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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6458TG1R + RECIRC

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TG1RED
2014272D

PELLERIN MILNOR CORPORATION
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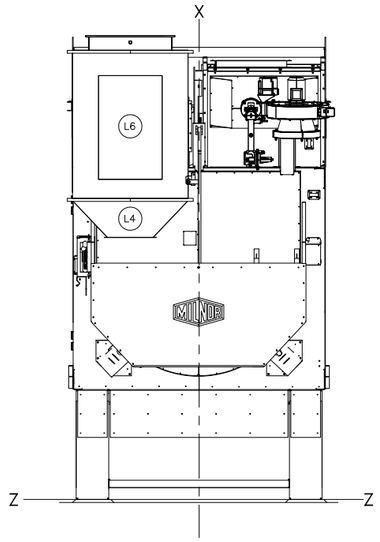
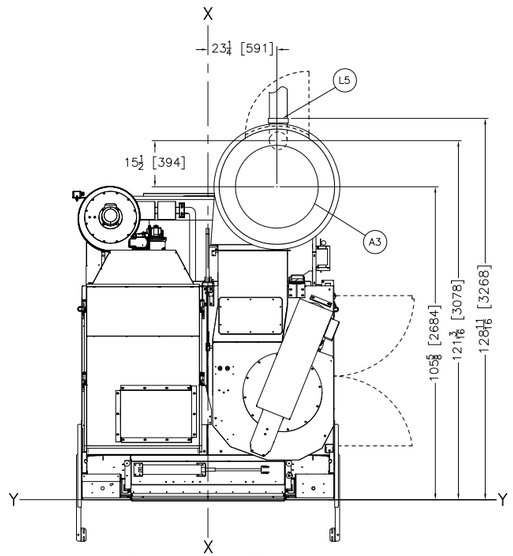
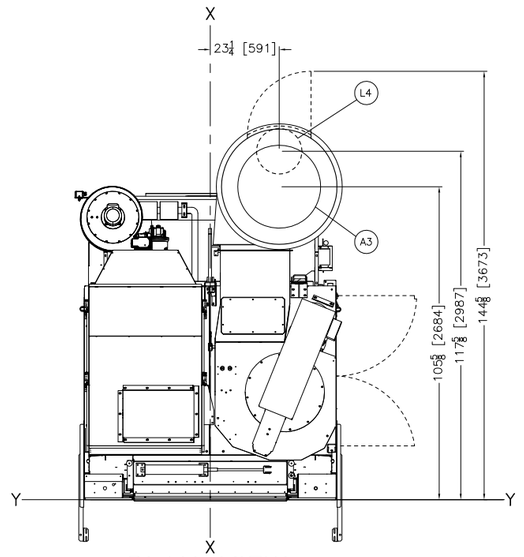


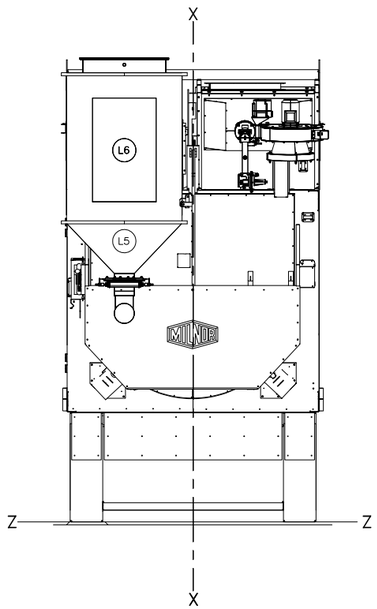
REAR VIEW
LINT OUTLET TO BAG COLLECTOR



PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



PLAN VIEW
LINT OUTLET TO BAG COLLECTOR



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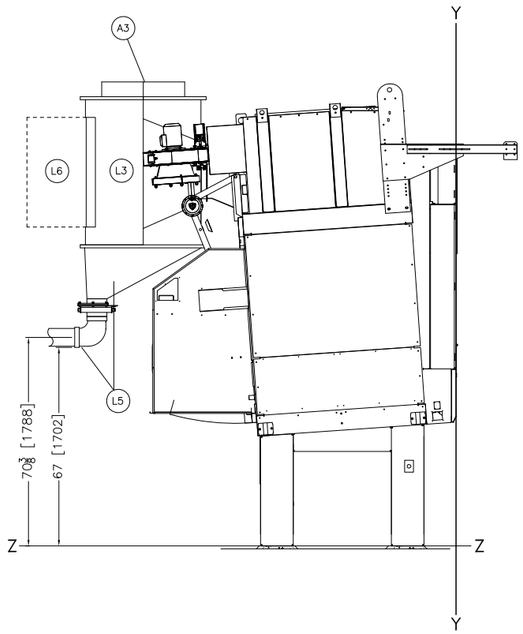
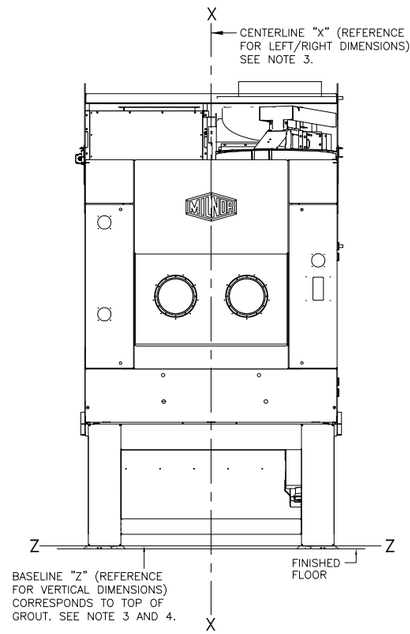
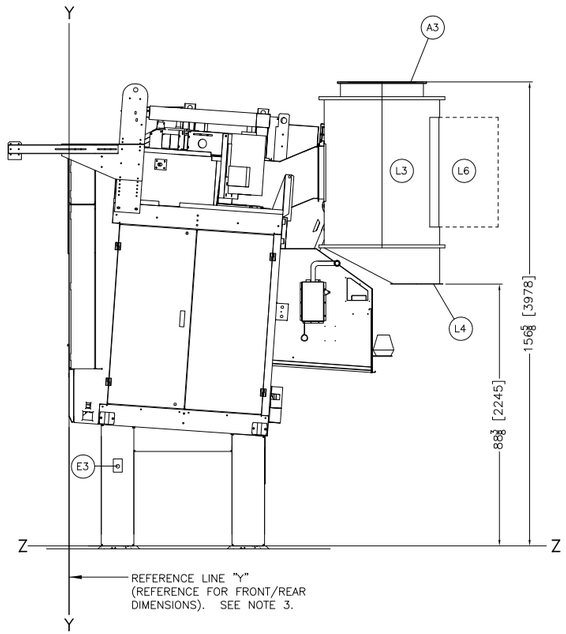
LINT OUTLET TO VACUUM COLLECTOR



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE 15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
A3	EXHAUST DUCT, 28"[711] DIAMETER

NOTES

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6458TG1R + MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TG1REC 2014272D

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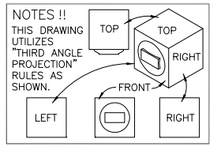
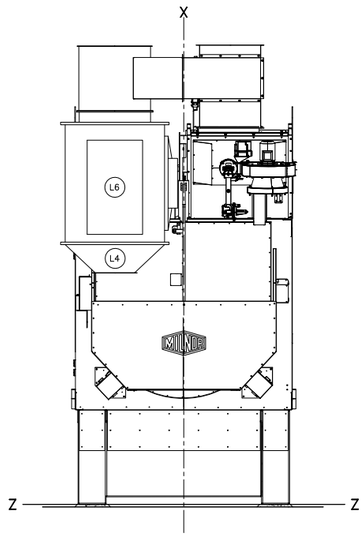
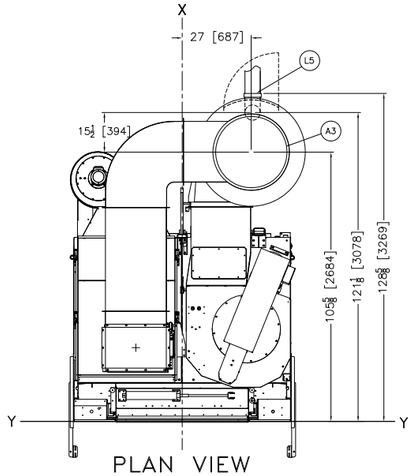
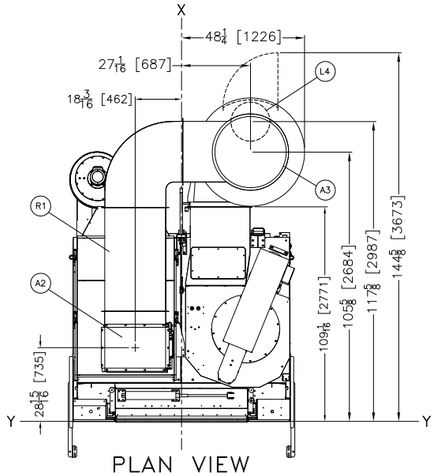




REAR VIEW
LINT OUTLET TO BAG COLLECTOR

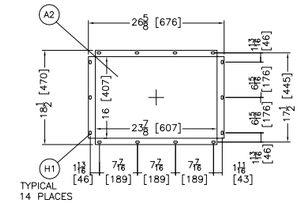


PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR

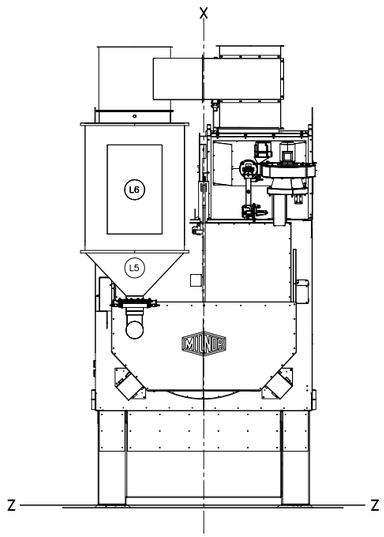


PLAN VIEW
LINT OUTLET TO BAG COLLECTOR

THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6458TG1REE.



RECIRCULATION BLOWER INTAKE DUCT DETAIL



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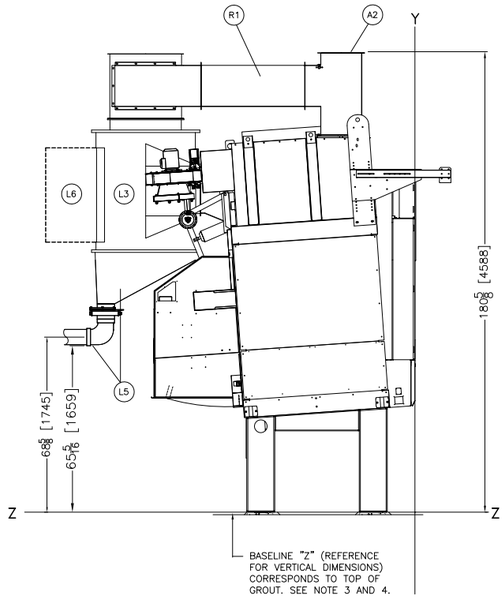
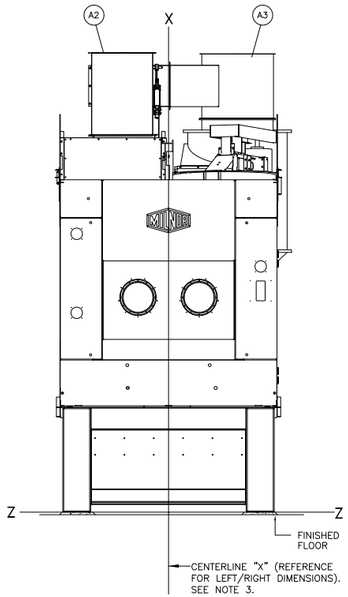
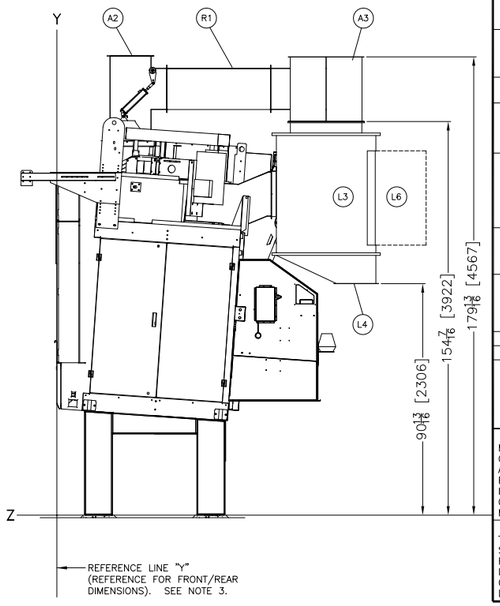
LINT OUTLET TO VACUUM COLLECTOR



RIGHT VIEW
LINT OUTLET TO VACUUM COLLECTOR



FRONT VIEW



LEFT VIEW
LINT OUTLET TO BAG COLLECTOR

ITEM	LEGEND
R1	RECIRCULATION DUCT
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR
	DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (SUPPORTED BY OTHERS)
H1	.39"[10] DIAMETER X .3/4" SLOTS, 14 PLACES
A3	BLOWER EXHAUST, 28"[711] DIAMETER
A2	BLOWER INTAKE

NOTES

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

12 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 THIS DRAWING SHOWS THE 64058TG1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

ATTENTION

THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS OPERATION. WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

6458TG1R RECIRC+ MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TG1REF 2014272D

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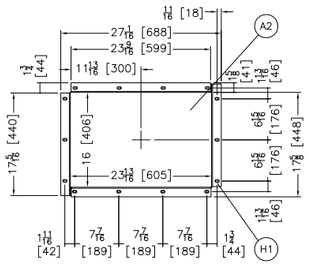
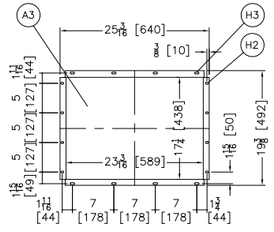
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Email: milnorinfo@milnor.com



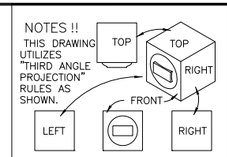
BLOWER INTAKE DUCT DETAIL



BLOWER EXHAUST TO REAR DUCT DETAIL

SEE NOTE 13.

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.



STEAM CONSUMPTION:
(MAXIMUM STEAM CONSUMPTION WITH LOAD)
LOAD: 320 LB [145KG]
STEAM PER HOUR: 1,990LBS [903 KG]
AT 225 PSI/[15.3 ATU]
ACTUAL BOILER HP: 58 HP

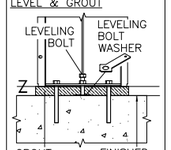
AIR:
85-110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

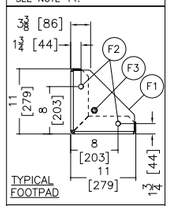
MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
8,500 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 26"[660] DIA.

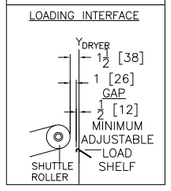
WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE

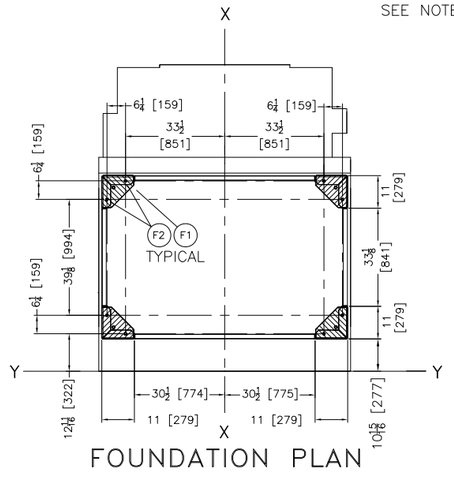
ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1-1/4" NPT
S2	STEAM CONDENSATE OUT, 1" NPT
S1	STEAM INLET, 2" NPT
L1	REMOVABLE ACCESS DOORS
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
F3	LEVELING BOLT (5/8"-11 X 3") SUPPLIED.
F2	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
F1	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
C4B	OPTIONAL SHORT SHROUD
C4A	DISCHARGE SHROUD
C3	DISCHARGE DOOR
C2	LOAD DOOR, 52" WIDE
C1	LOAD HEIGHT
B3	BLOWER MOTOR
B2	DRYER TO DRYER MOUNTING BRACKET
B1	SHUTTLE RAIL SUPPORT
A4	AIR VALVE BOX
A3	BLOWER EXHAUST REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION 1"NPT

DETAILS:

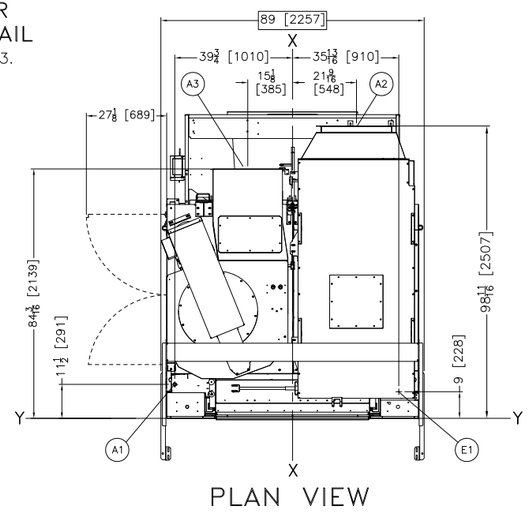




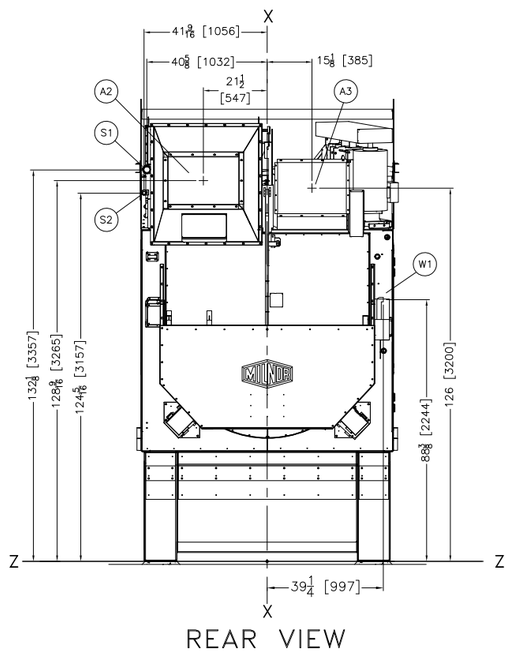




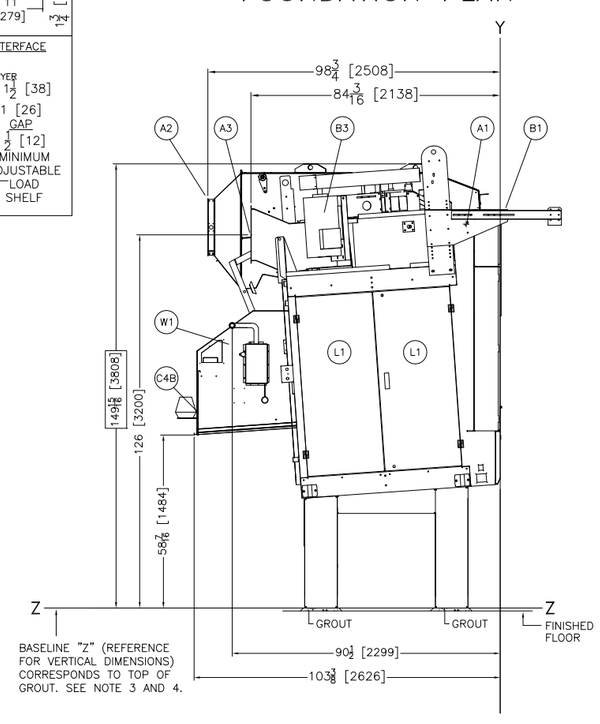
FOUNDATION PLAN



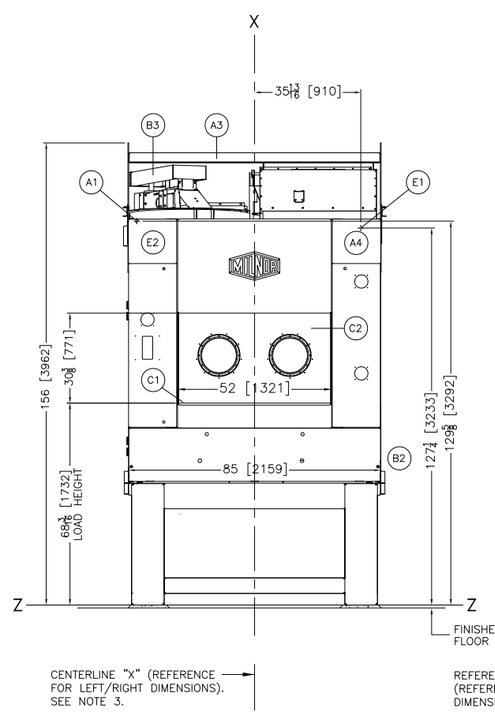
PLAN VIEW



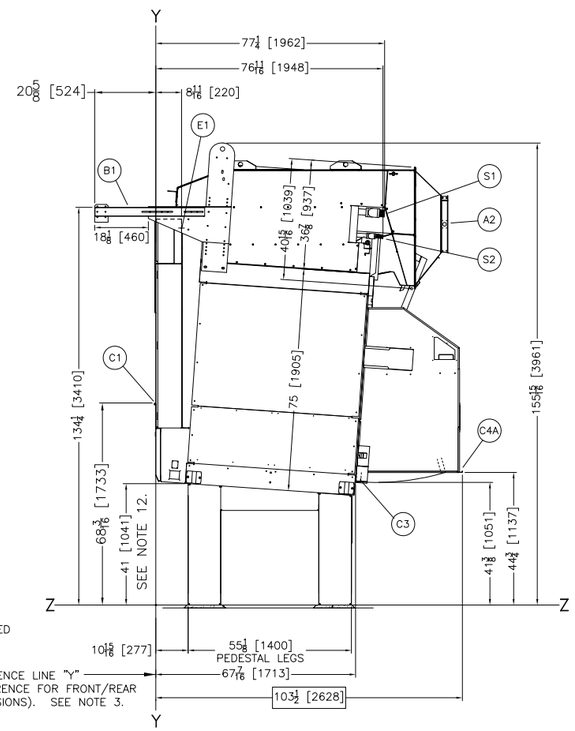
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

NOTES

14 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE 'Z' (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

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9 DRYER IS DISASSEMBLED INTO THREE COMPONENTS FOR SHIPPING, THE BASE, THE HOUSE, AND THE TOP OF THE BLOWER INTAKE DUCT. CONSULT MILNOR FACTORY IF ADDITIONAL COMPONENTS, SUCH AS BLOWER HOUSING, MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
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6458TS1L

DM .0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1LEE
2014272D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Email: milnorinfo@milnor.com

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
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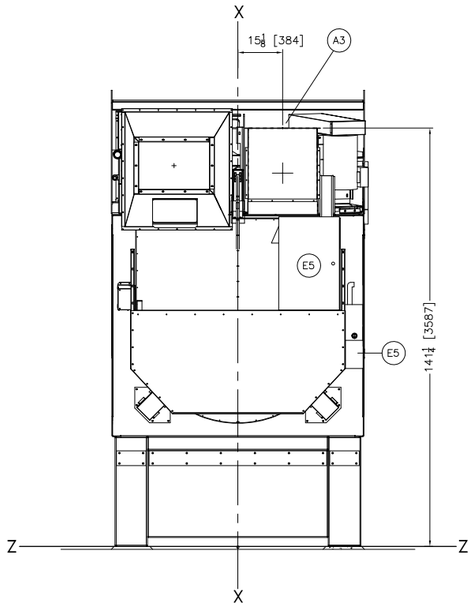
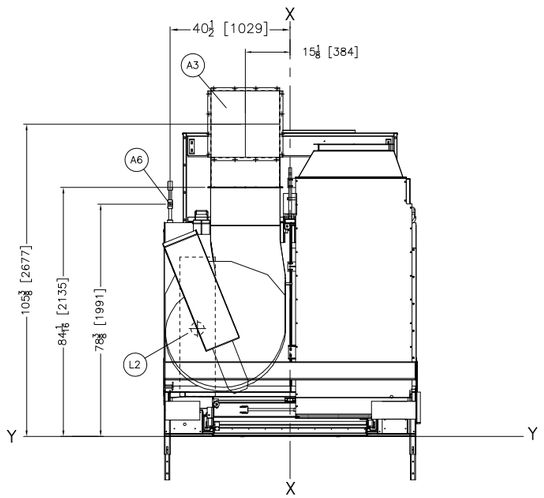
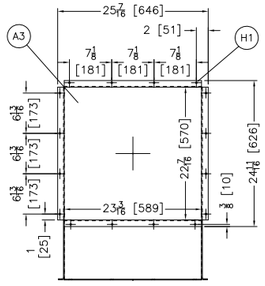
SEE NOTE 8.



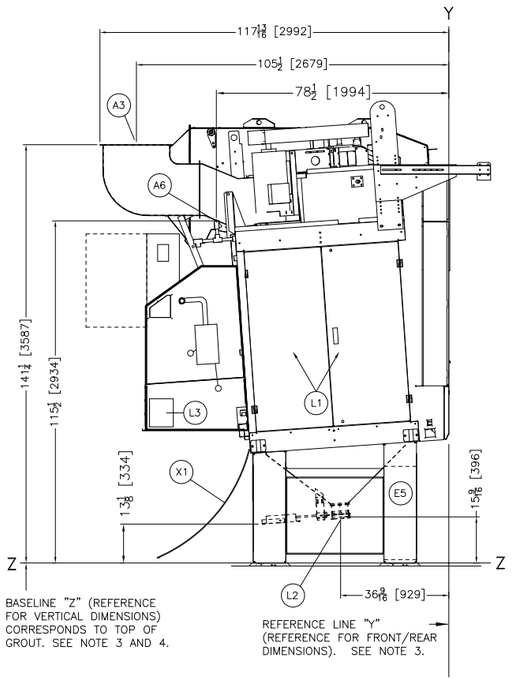
REAR VIEW



PLAN VIEW



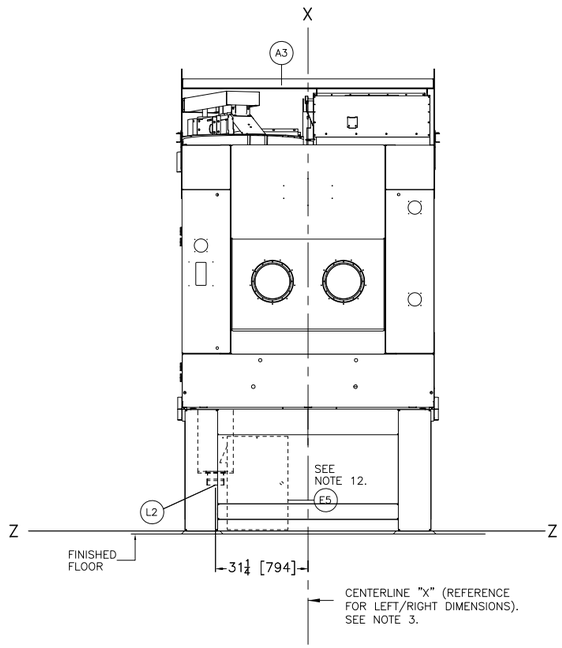
BLOWER EXHAUST
DUCT UP OPTION



BASELINE "Z" (REFERENCE FOR VERTICAL DIMENSIONS) CORRESPONDS TO TOP OF GROUT. SEE NOTE 3 AND 4.

REFERENCE LINE "Y" (REFERENCE FOR FRONT/REAR DIMENSIONS). SEE NOTE 3.

LEFT VIEW



CENTERLINE "X" (REFERENCE FOR LEFT/RIGHT DIMENSIONS). SEE NOTE 3.

FRONT VIEW

ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTE 10 & 13.)

AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED

ITEM	LEGEND
X1	OPTIONAL UNLOAD BRIDGE, 48" PLASTIC SHEETING
L3	INTERNAL LINT SCREENS AIR VALVE BOX.
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL
	INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR
	LINT COLLECTOR BY OTHERS. SEE NOTES 9 & 10 AND
	DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
H1	BOLT SLOTS, 5/16"[7] DIA.
E5	OPTIONAL INVERTER BOX IS LOCATED AS SPECIFIED ON THE
	DISCHARGE SHROUD, PEDESTAL FRONT, OR FOR REMOTE
	MOUNTING.
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
A3	BLOWER EXHAUST DUCTING UP OPTION, SEE DETAIL.

NOTES

13 A WATER SEPARATOR (NOT SUPPLIED BY PMC) IS REQUIRED FOR THE INCOMING AIR TO THE INTERNAL LINT SYSTEM.

12 OPTIONAL INVERTER BOX MAY BE SPECIFIED FOR PEDESTAL MOUNT ON 48"[1219] (ZERO PEDESTAL PLUS 7"[178]) AND TALLER PEDESTALS ONLY.

11 OPTIONAL INTERNAL LINT SCREENS IS AVAILABLE FOR DRYERS WITH 41"[1041] AND TALLER PEDESTALS ONLY.

10 FOR OPTIONAL INTERNAL LINT SCREENS, IT IS RECOMMENDED TO HAVE A 60 GALLON COMPRESSED AIR BOOSTER TANK FOR EVERY 5 DRYERS.

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6458TS1L OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1LEB
2014272D

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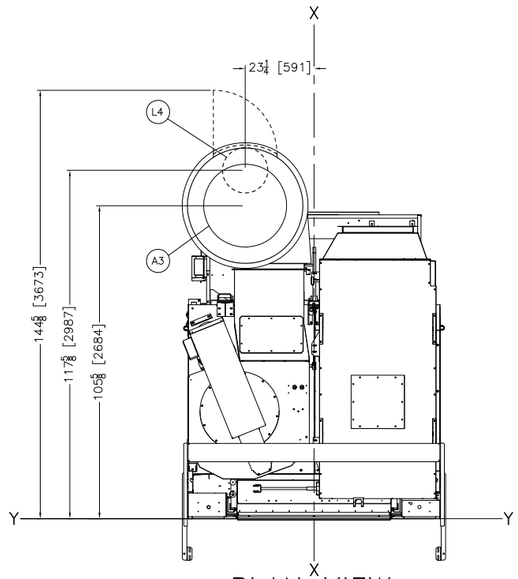
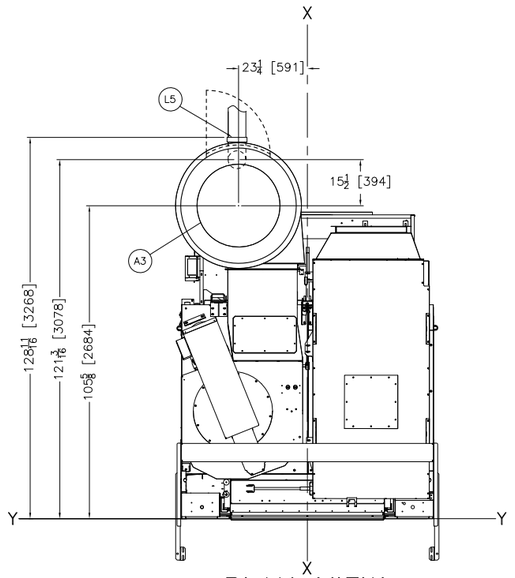
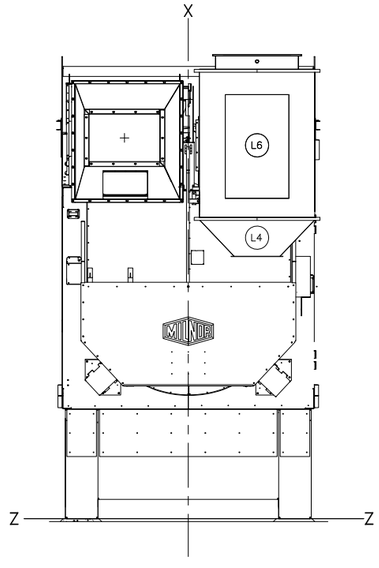


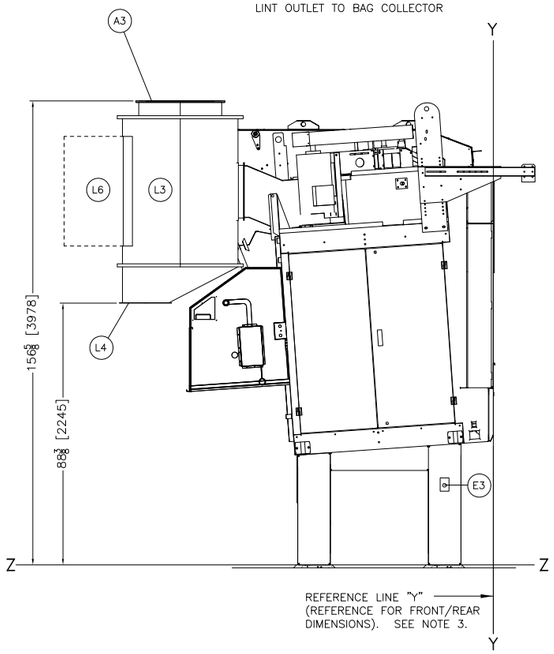
PLAN VIEW



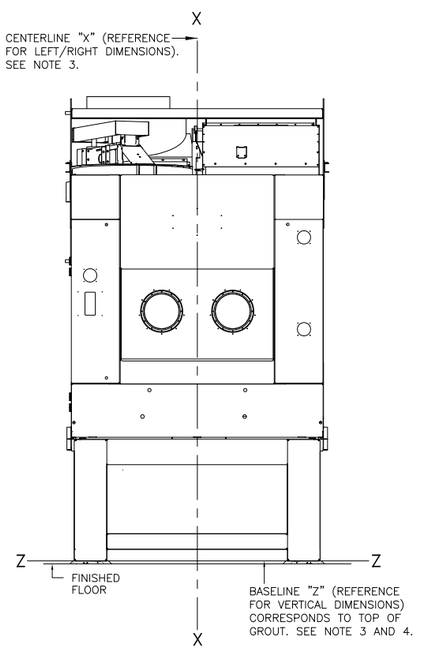
PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



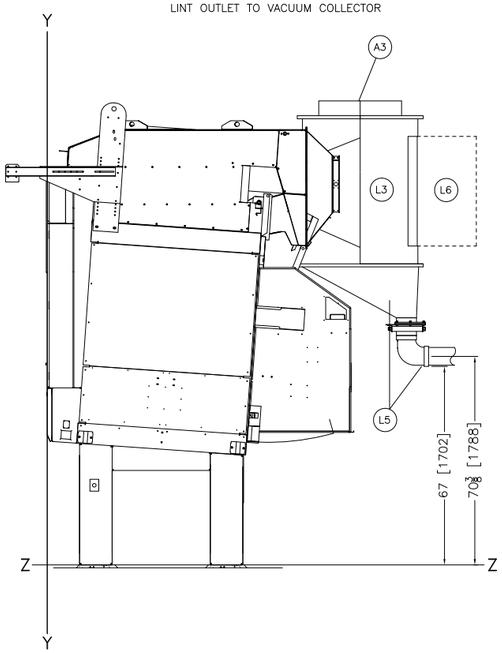
REAR VIEW
LINT OUTLET TO BAG COLLECTOR



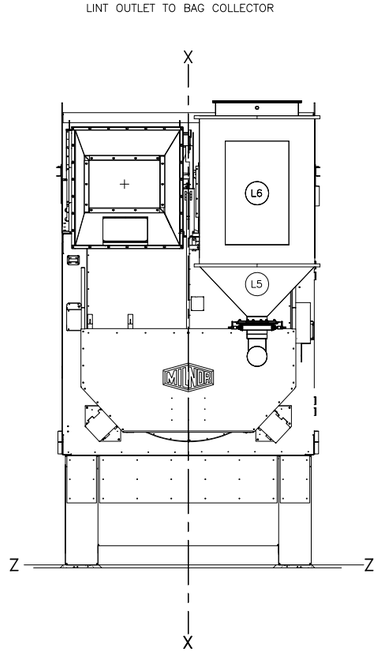
LEFT VIEW



FRONT VIEW



RIGHT VIEW



REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE 15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
A3	EXHAUST DUCT, 28"[711] DIAMETER

NOTES

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12 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

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6458TS1L + MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1LEC 2014272D

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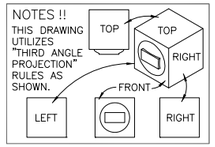
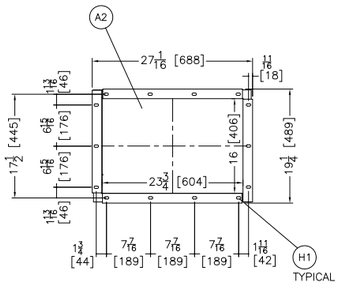
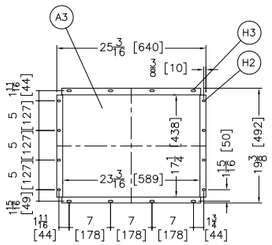


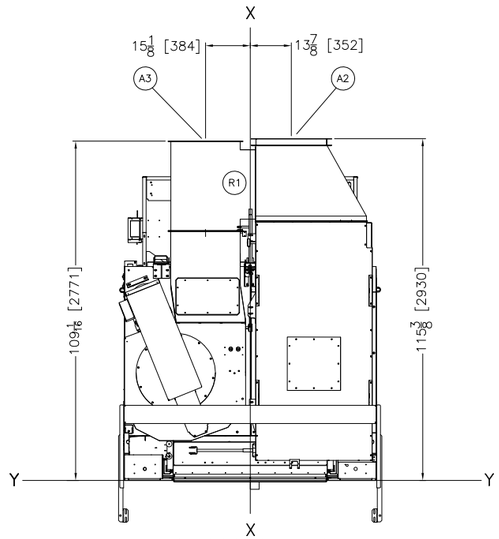
THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6458TS1LEE.



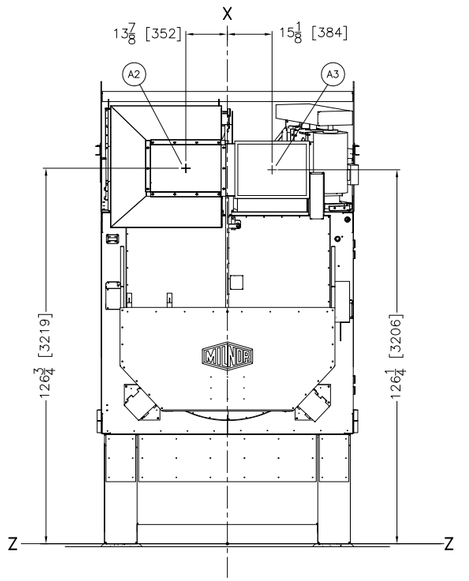
RECIRCULATION BLOWER INTAKE DUCT DETAIL



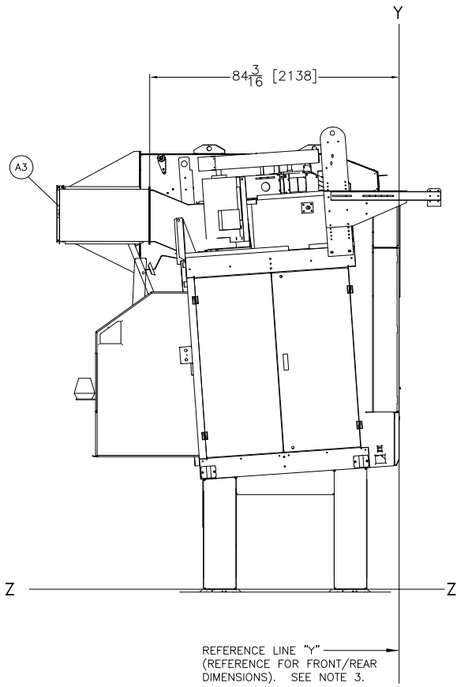
RECIRCULATION BLOWER EXHAUST DUCT TO REAR DETAIL



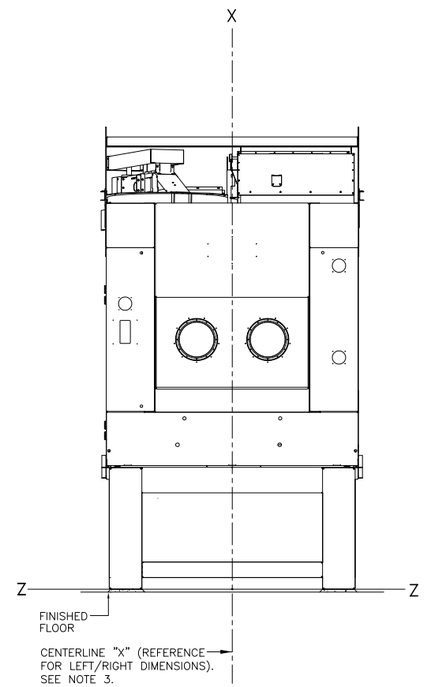
PLAN VIEW



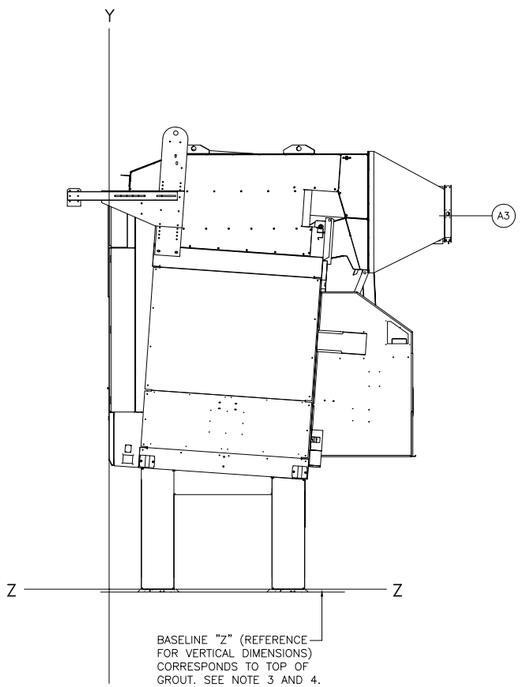
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
R1	RECIRCULATION DUCTING
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	3/8" [9] DIA. X 3/4"[19] SLOTS, 14 PLACES
A3	RECIRCULATION DUCTING BLOWER EXHAUST REAR, SEE DETAIL
A2	RECIRCULATION DUCTING BLOWER INLET, SEE DETAIL.

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6458TS1L RECIRC-BLOWER LEFT

DM .0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1LED
2014272D

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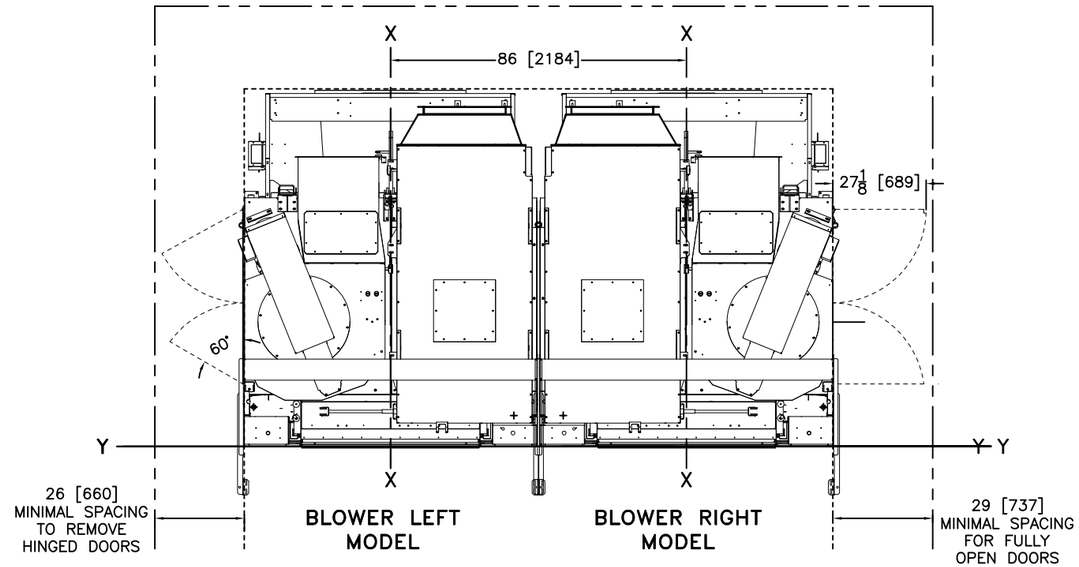
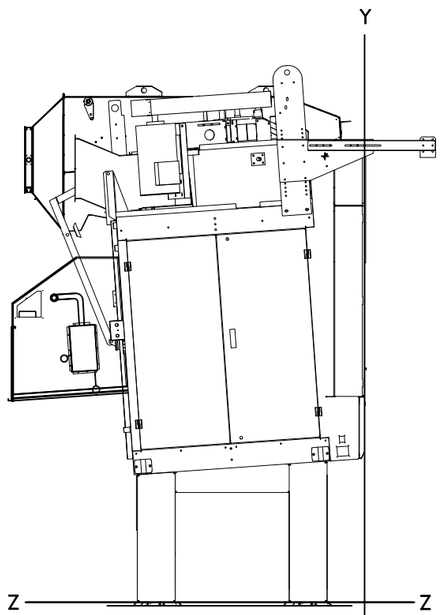
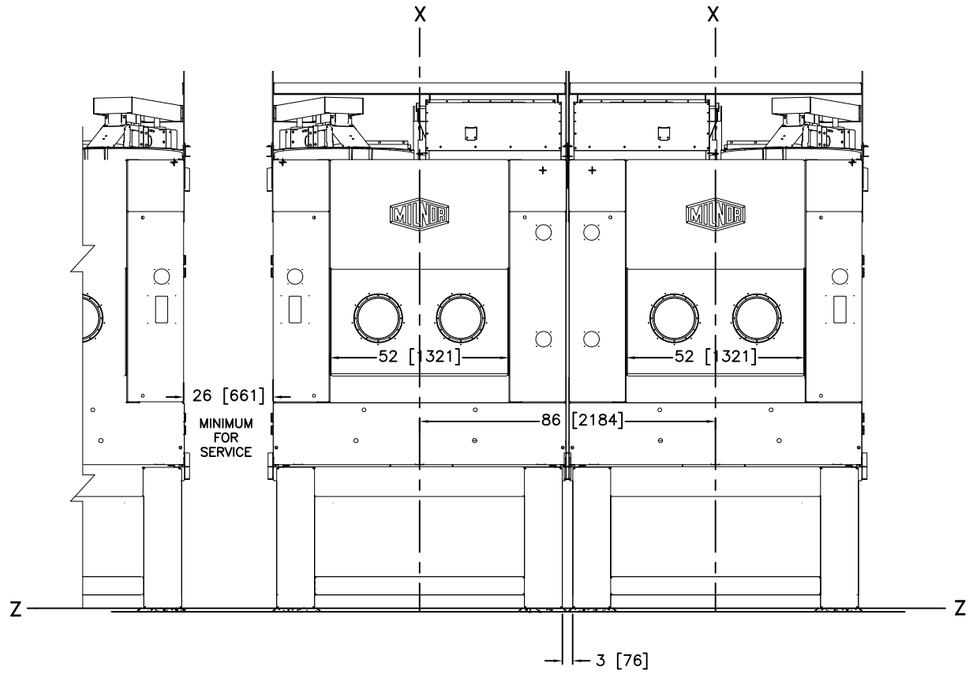


PLAN VIEW



TYPICAL
SERVICE SIDE
(BLOWER LEFT
MODEL SHOWN)
LEFT VIEW



FRONT VIEW
PAIRED INSTALLATION

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64058 TS1L,TS1R PAIRED

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1PEE
2014272D

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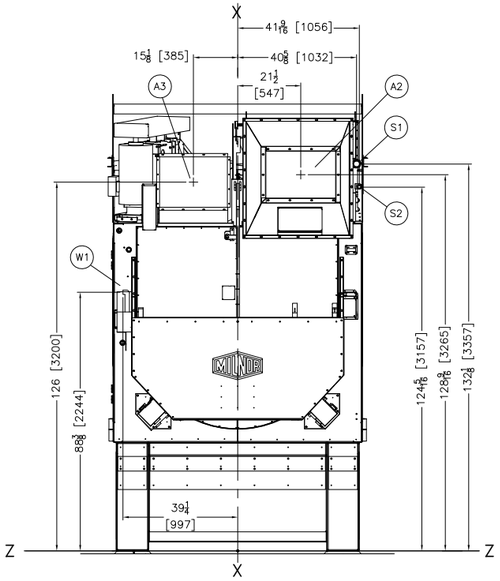
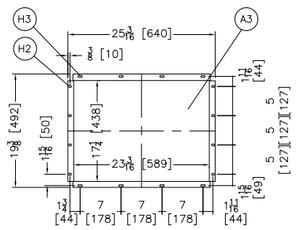
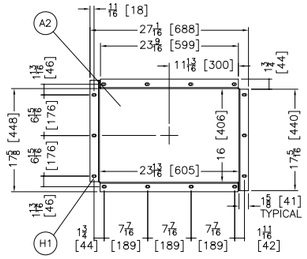


REAR VIEW

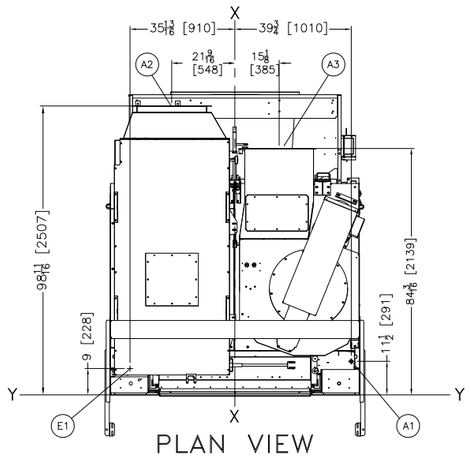


BLOWER EXHAUST TO REAR DUCT DETAIL

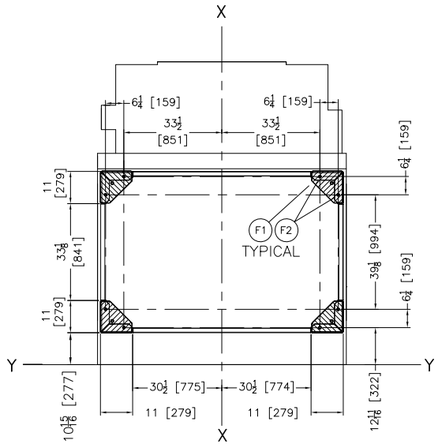
SEE NOTE 13.



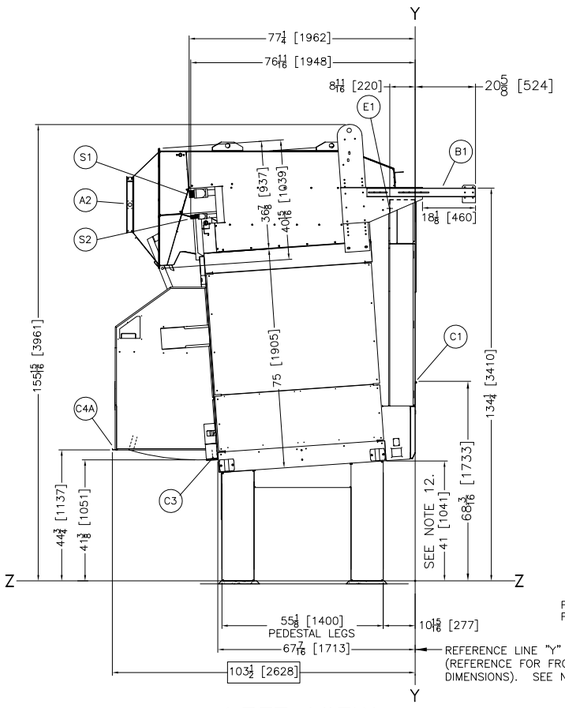
BLOWER INTAKE DUCT DETAIL



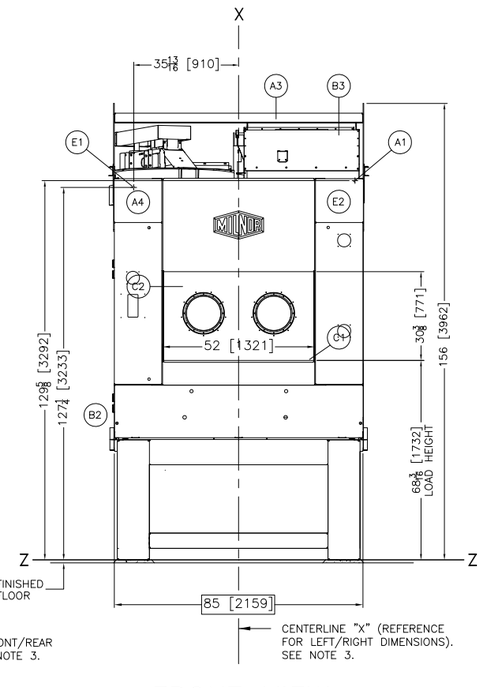
PLAN VIEW



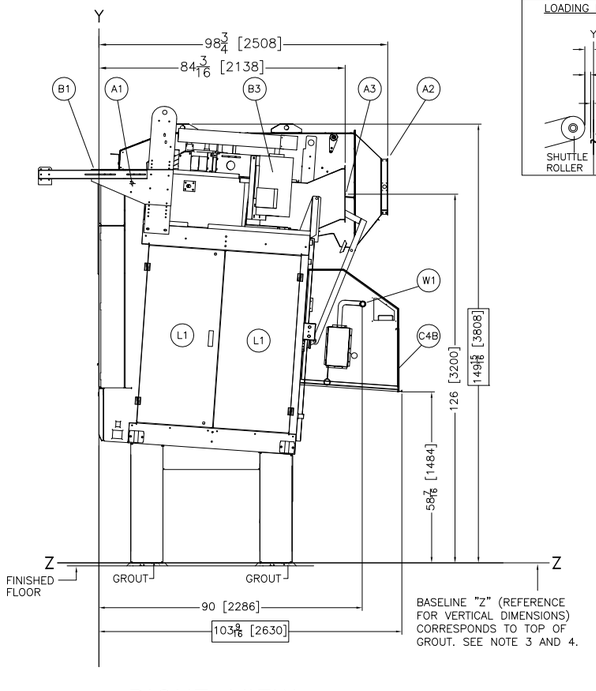
FOUNDATION PLAN



LEFT VIEW

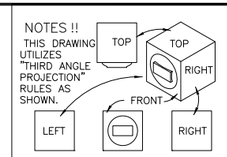


FRONT VIEW



RIGHT VIEW

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.



STEAM CONSUMPTION:
(MAXIMUM STEAM CONSUMPTION WITH LOAD)
LOAD: 320 LB [145KG]
STEAM PER HOUR: 1,990LBS [903 KG]
AT 225 PSI/[15.3 ATU]
ACTUAL BOILER HP: 58 HP

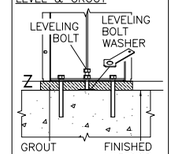
AIR:
85-110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
8,500 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 26"[660] DIA.

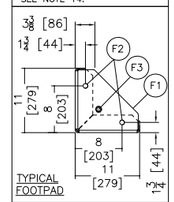
WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE

DETAILS:

LEVEL & GROUT

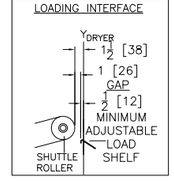


LEVEL WITH LEVELING BOLT TO "Z", GROUT AND ANCHOR ALL FOOTPADS. SEE NOTE 14.



TYPICAL FOOTPAD

LOADING INTERFACE



ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1-1/4" NPT
S2	STEAM CONDENSATE OUT, 1" NPT
S1	STEAM INLET, 2" NPT
L1	REMOVABLE ACCESS DOORS
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
F3	LEVELING BOLT (5/8"-11 X 3") SUPPLIED.
F2	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
F1	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
C4B	OPTIONAL SHORT SHROUD
C4A	DISCHARGE SHROUD
C3	DISCHARGE DOOR
C2	LOAD DOOR, 52" WIDE
C1	LOAD HEIGHT
B3	BLOWER MOTOR
B2	DRYER TO DRYER MOUNTING BRACKET
B1	SHUTTLE RAIL SUPPORT
A4	AIR VALVE BOX
A3	BLOWER EXHAUST REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION 1"NPT

NOTES

14 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE "Z" (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIQUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

12 THIS DRAWING SHOWS THE 6458TS1R DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO THREE COMPONENTS FOR SHIPPING, THE BASE, THE HOUSE, AND THE TOP OF THE BLOWER INTAKE DUCT. CONSULT MILNOR FACTORY IF ADDITIONAL COMPONENTS, SUCH AS BLOWER HOUSING, MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

ATTENTION

THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS OPERATION. WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

6458TS1R

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1REE
2014272D

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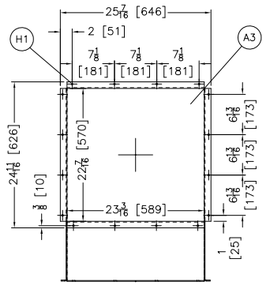
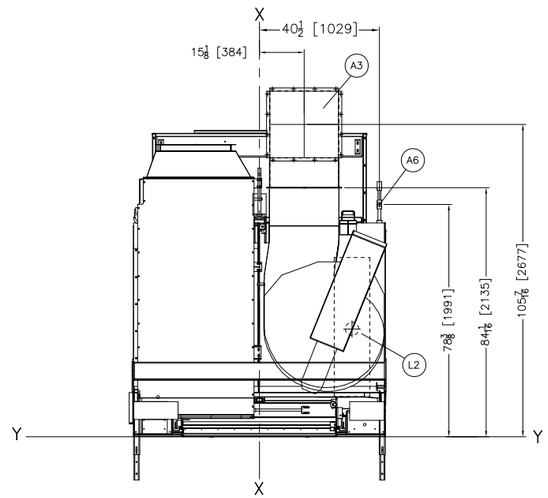
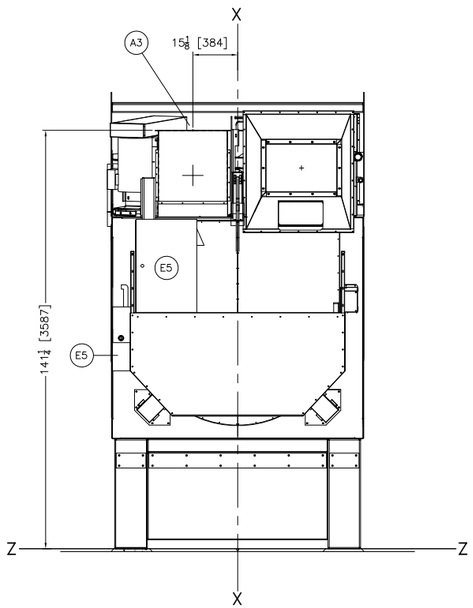
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 8.



BLOWER EXHAUST
DUCT UP OPTION



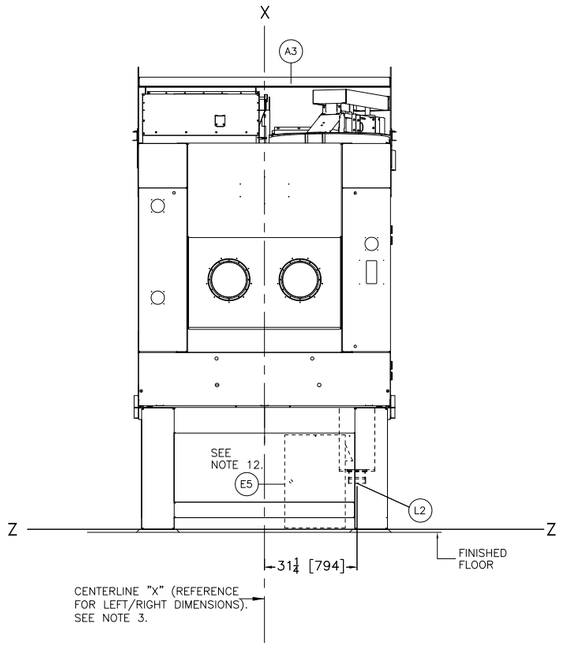
PLAN VIEW



REAR VIEW

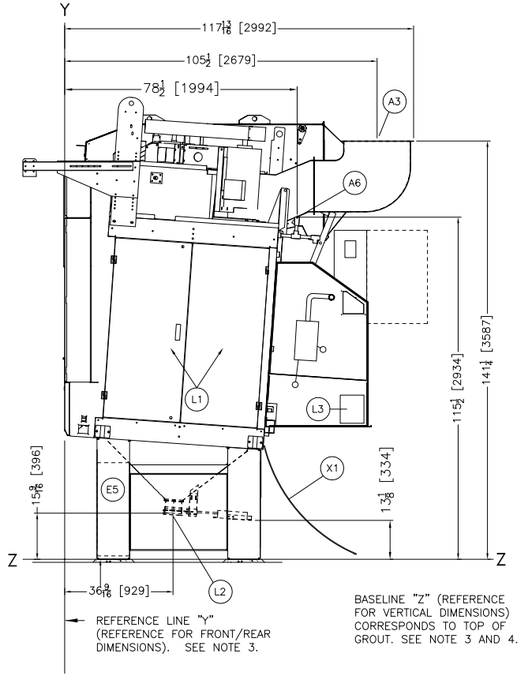
ADDITIONAL AIR REQUIREMENTS
FOR (L1)– OPTIONAL
INTERNAL LINT FILTERS
(SEE NOTE 10 & 13.)

AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED



CENTERLINE "X" (REFERENCE
FOR LEFT/RIGHT DIMENSIONS).
SEE NOTE 3.

FRONT VIEW



REFERENCE LINE "Y"
(REFERENCE FOR FRONT/REAR
DIMENSIONS). SEE NOTE 3.

BASELINE "Z" (REFERENCE
FOR VERTICAL DIMENSIONS)
CORRESPONDS TO TOP OF
GROUT. SEE NOTE 3 AND 4.

RIGHT VIEW

ITEM	LEGEND
A3	BLOWER EXHAUST DUCTING UP OPTION, SEE DETAIL.
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
E5	OPTIONAL INVERTER BOX IS LOCATED AS SPECIFIED ON THE DISCHARGE SHROUD, PEDESTAL FRONT, OR FOR REMOTE MOUNTING.
H1	BOLT SLOTS, 5/16"[7] DIA.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR LINT COLLECTOR BY OTHERS. SEE NOTES 9 & 10 AND DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L3	OPTIONAL UNLOAD BRIDGE, 48" PLASTIC SHEETING
X1	INTERNAL LINT SCREENS AIR VALVE BOX.

NOTES

13 A WATER SEPARATOR (NOT SUPPLIED BY PMC) IS REQUIRED FOR THE INCOMING AIR TO THE INTERNAL LINT SYSTEM.

12 OPTIONAL INVERTER BOX MAY BE SPECIFIED FOR PEDESTAL MOUNT ON 48"[1219] (ZERO PEDESTAL PLUS 7"[178]) AND TALLER PEDESTALS ONLY.

11 OPTIONAL INTERNAL LINT SCREENS IS AVAILABLE FOR DRYERS WITH 41"[1041] AND TALLER PEDESTALS ONLY.

10 FOR OPTIONAL INTERNAL LINT SCREENS, IT IS RECOMMENDED TO HAVE A 60 GALLON COMPRESSED AIR BOOSTER TANK FOR EVERY 5 DRYERS.

9 EXHAUST DUCTING: DRYER OPERATES UP TO 8500 SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

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6458TS1R OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1REB
2014272D

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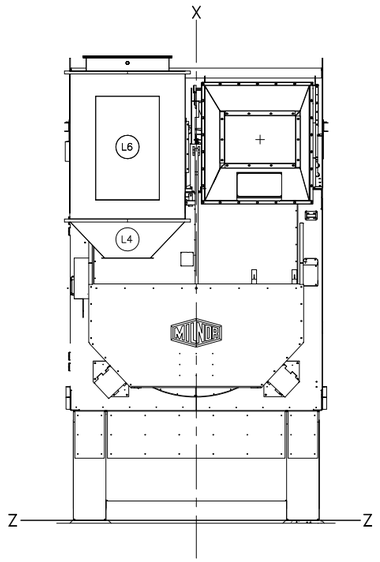
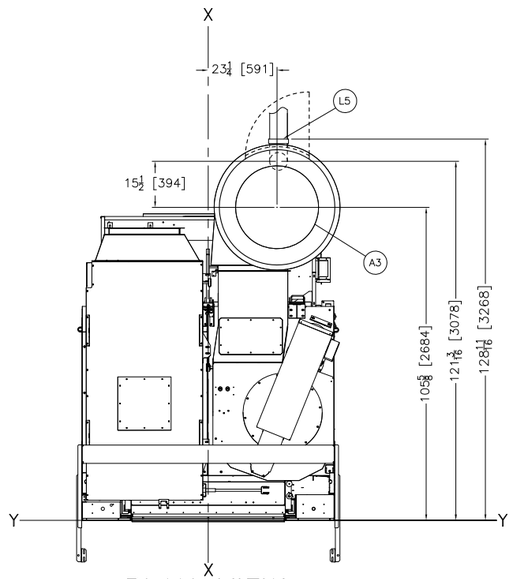
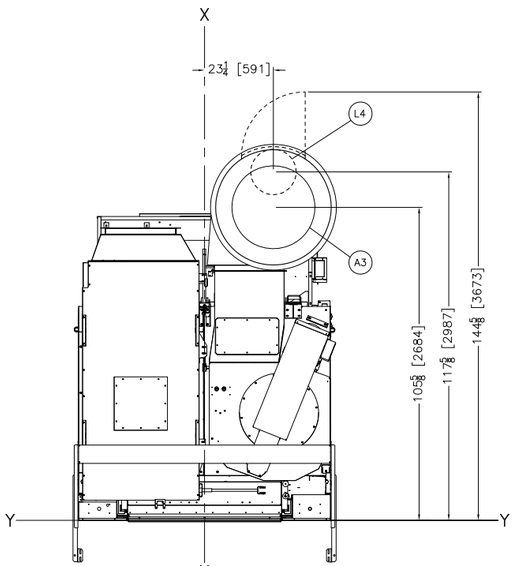


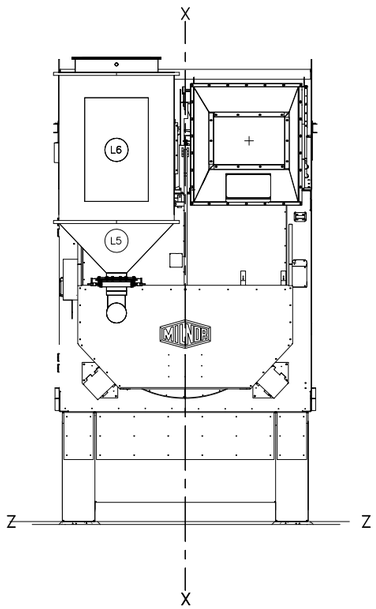
REAR VIEW
LINT OUTLET TO BAG COLLECTOR



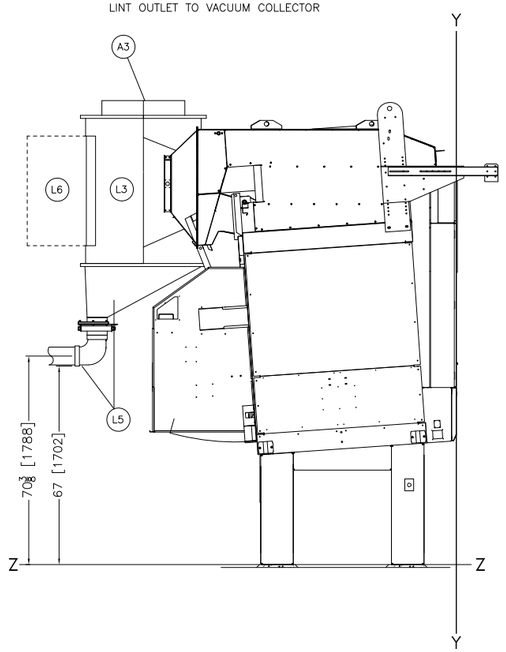
PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



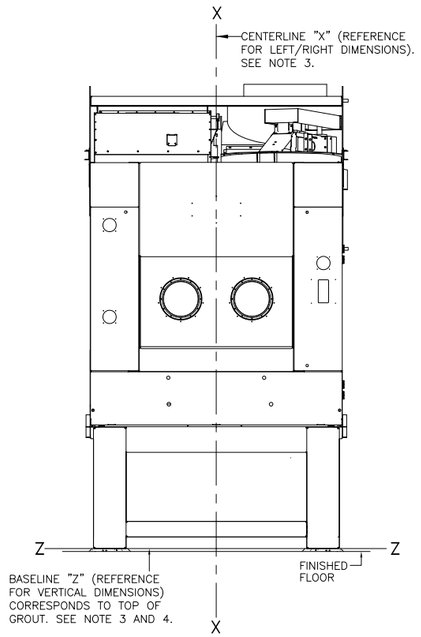
PLAN VIEW
LINT OUTLET TO BAG COLLECTOR



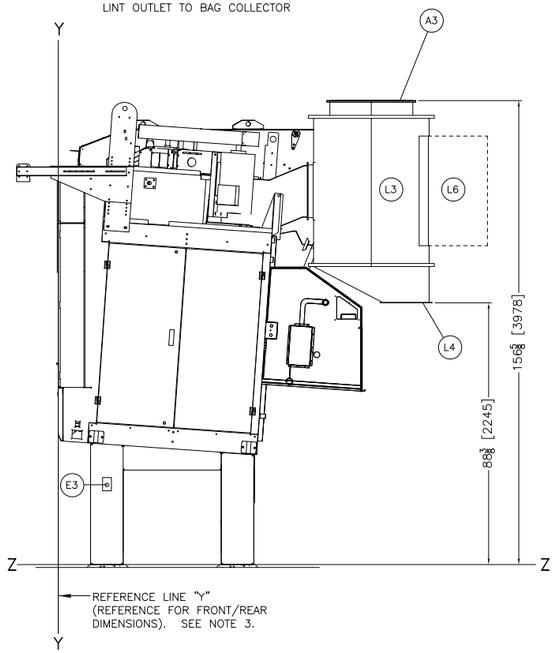
REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR
	DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
A3	EXHAUST DUCT, 28"[711] DIAMETER

NOTES

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

12 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

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CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

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4 BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

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6458TS1R + MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1REC
2014272D

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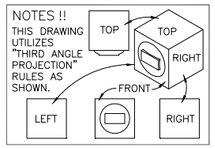
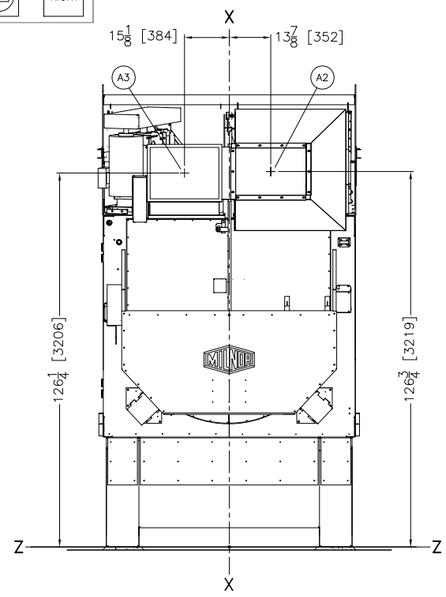
FAX 504/469-1849, Email: milnorinfo@milnor.com

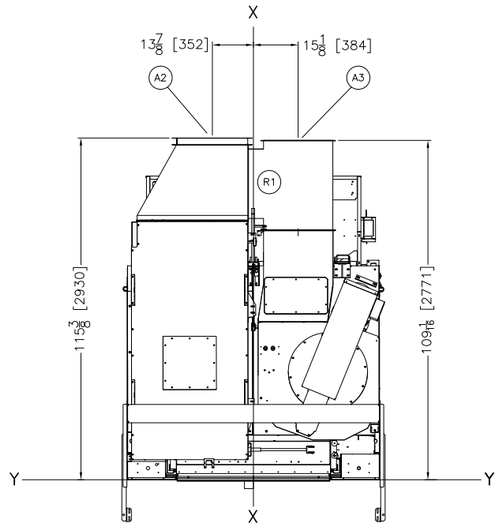
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



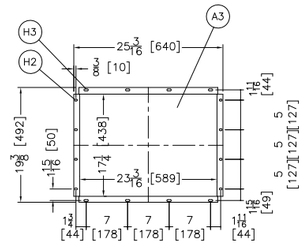
THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6458TS1LEE.



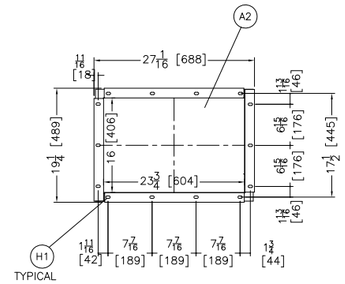
REAR VIEW



PLAN VIEW

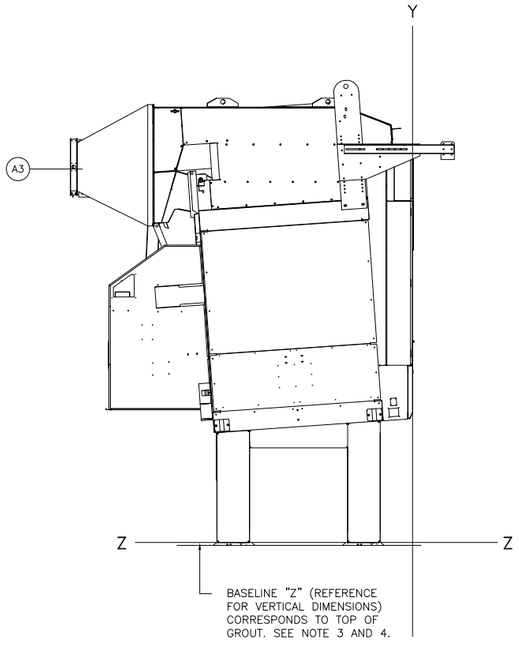


RECIRCULATION BLOWER EXHAUST DUCT TO REAR DETAIL

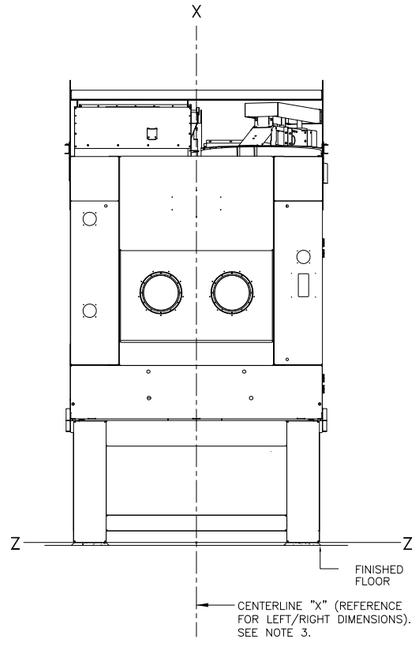


RECIRCULATION BLOWER INTAKE DUCT DETAIL

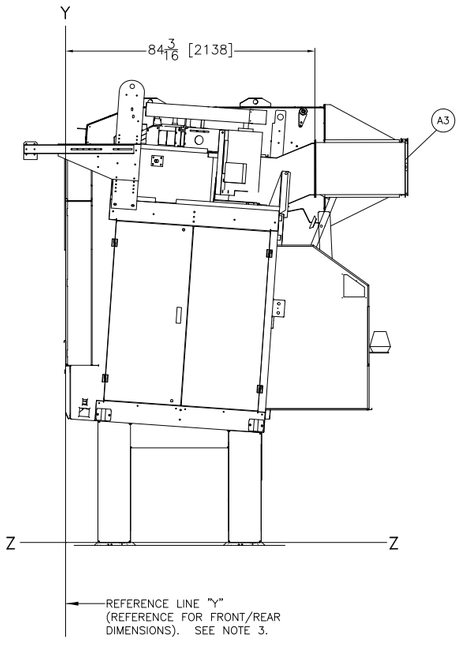
ITEM	LEGEND
R1	RECIRCULATION DUCTING
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	3/8" [9] DIA. X 3/4"[19] SLOTS, 14 PLACES
A3	RECIRCULATION DUCTING BLOWER EXHAUST REAR, SEE DETAIL
A2	RECIRCULATION DUCTING BLOWER INLET, SEE DETAIL.



LEFT VIEW



FRONT VIEW



RIGHT VIEW

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6458TS1R RECIRC-BLOWER LEFT

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1RED
2014272D

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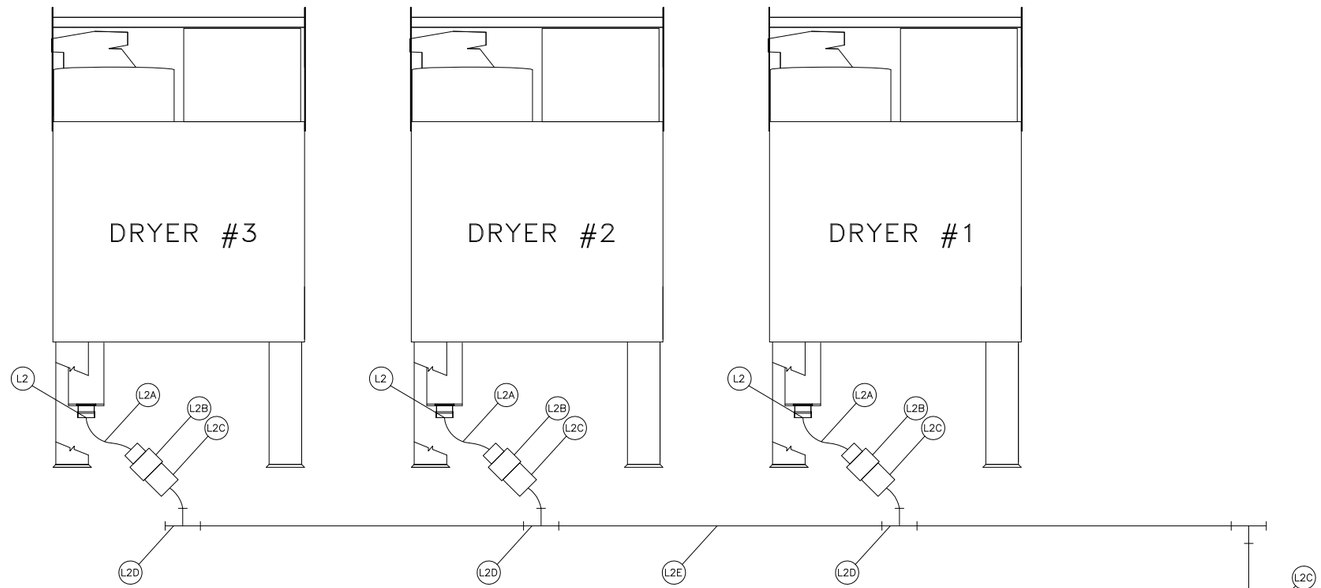
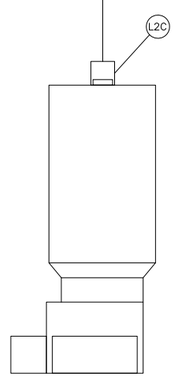
ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTE 7.)

AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED





DRYVAC02

ITEM	LEGEND
L2E	6" SHC40 PVC (NOT SUPPLIED PMC.)
L2D	6" TEE PVC (NOT SUPPLIED PMC.)
L2C	6" NO HUB CONNECTOR (NOT SUPPLIED PMC.)
L2B	REDUCER 6" X 6", (PART W7–71865, SUPPLIED PMC)
L2A	6" FLEX HOSE (NOT SUPPLIED PMC.)
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL
	INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR
	LINT COLLECTOR BY OTHERS.

NOTES

8 SEE DRYER OPTION PAGES FOR ADDITIONAL DIMENSIONAL INFORMATION FOR OPTIONAL INTERNAL LINT SCREENS.

7 FOR OPTIONAL INTERNAL LINT FILTERS, IT IS RECOMMENDED TO HAVE A 60 GALLON COMPRESSED AIR BOOSTER TANK FOR EVERY 5 DRYERS.

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RECOMMENDED LINT COLLECTOR PIPING

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458DLCPBE
2012493D

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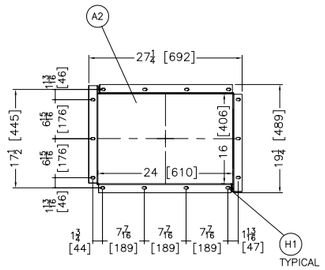
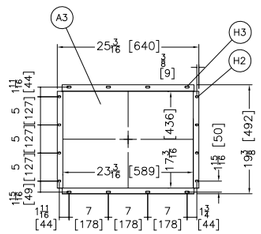
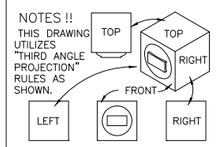


BLOWER INTAKE DUCT DETAIL



BLOWER EXHAUST DUCT TO REAR DETAIL
SEE NOTE 15.

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.



GAS CONSUMPTION:
MAXIMUM NATURAL GAS CONSUMPTION:
1,800,000 BTU/HR
(453,000 KCAL/HR)
AVERAGE NATURAL GAS CONSUMPTION:
1,400,000 BTU/HR
(352,000 KCAL/HR)
GAS PRESSURE REQUIREMENTS:
25" W.C. AT EACH MACHINE
CONNECTION: 1.5" NPT
BURNER RATING: 2M BTU/HR MAX FLAME

AIR:
85-110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
8500 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 26"[660] DIA.

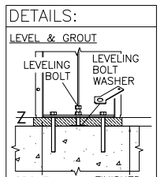
COMBUSTION AIR:
FIRE BOX: N/A
COMBUSTION AIR BLOWER: 400 SCFM
TOTAL AIR: 400 SCFM

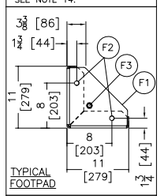
WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE

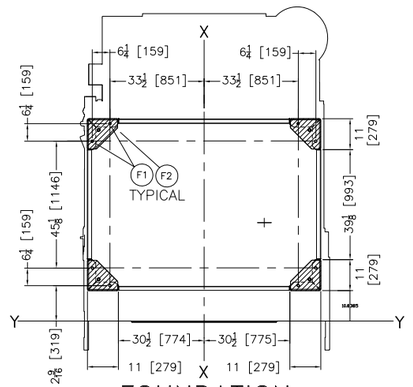
W1	SPRINKLER WATER INLET , 1-1/4" NPT
S1	REMOVABLE ACCESS DOORS
H3	.30 "[8] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	.30 "[8] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
G2	GAS LINE VENT, 1/4" STAINLESS STEEL TUBING

ITEM	LEGEND
G1	GAS INLET, 1-1/2" NPT CONNECTION
F3	LEVELING BOLT (5/8"-11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 15.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E4	EMERGENCY STOP
E3	EMERGENCY STOP & DOOR OPEN CONTROLS
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
C4B	OPTIONAL SHORT SHROUD
C4A	STANDARD DISCHARGE SHROUD
C3	DISCHARGE DOOR
C2	LOAD DOOR, 52" WIDE
C1	LOAD HEIGHT, ADJUSTABLE LOAD SHELF
B6	OPTIONAL BEACON
B5	BLOWER MOTOR
B4	BURNER
B3	DRYER TO DRYER MOUNTING BRACKET
B2	SHIPPING BRACKET ONLY
B1	DRYER MOUNT FESTOON RAIL SUPPORT
A5	COMBUSTION AIR INTAKE BOX WITH FILTERS
A4	AIR VALVE BOX
A3	BLOWER EXHAUST TO REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	COMPRESSED AIR, 1"NPT

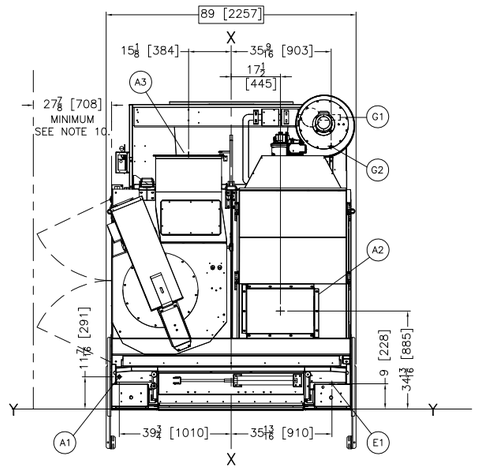
DETAILS:



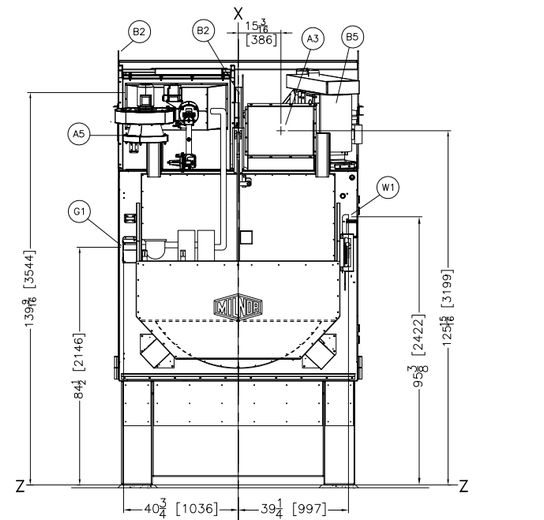




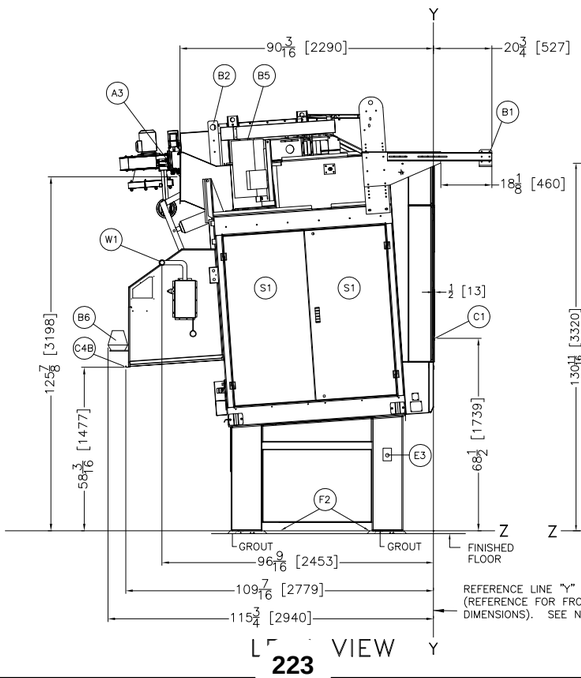
FOUNDATION PLAN



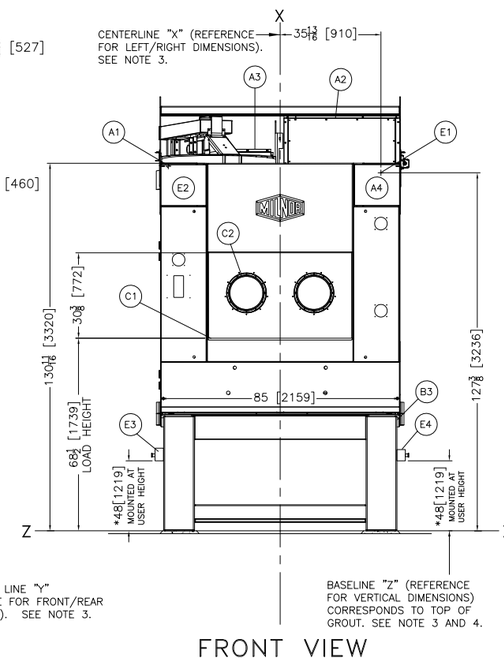
PLAN VIEW



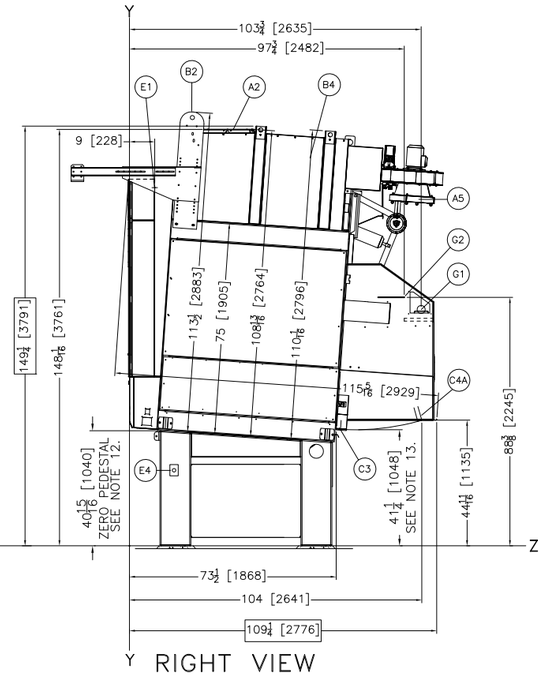
REAR VIEW



LEFT SIDE VIEW



FRONT VIEW



RIGHT VIEW

NOTES

15 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE 'Z' (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

14 EXHAUST DUCTING: DRYER OPERATES UP TO 8500 SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

13 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

12 THIS DRAWING SHOWS THE 6464TG1L DRYER WITH A 41-1/2[1055] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 A MINIMUM CLEARANCE OF 27-7/8"[708] IS REQUIRED FROM THE REMOVABLE ACCESS DOORS TO WALL. THIS DISTANCE IS REQUIRED TO OPEN THE DOORS 60 DEGREES TO BE LIFTED OFF THE HINGES. THE DOORS MAY BE FULLY OPENED REQUIRING 33"[XX] OF CLEARANCE.

9 DRYER IS DISASSEMBLED INTO TWO MAJOR COMPONENTS FOR SHIPPING, THE BASE AND THE FRAME. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

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1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

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ATTENTION

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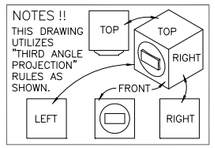
6464TG1L

DM 0 0.5M 1M
INCHES 0 12 24 36

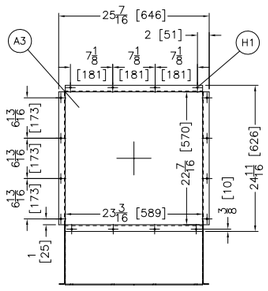
DWG# BD6464TG1LBE
2014252D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Email: milnorinfo@milnor.com

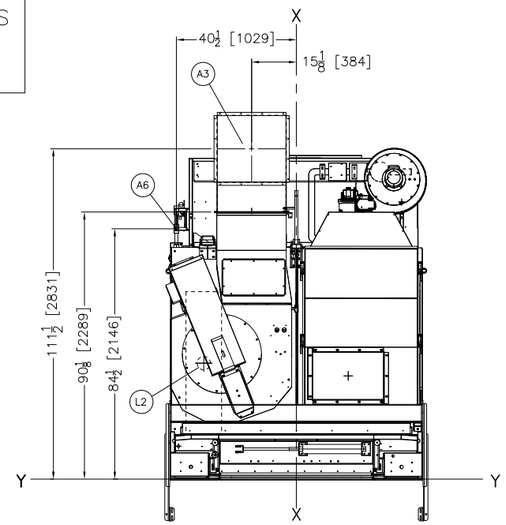
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



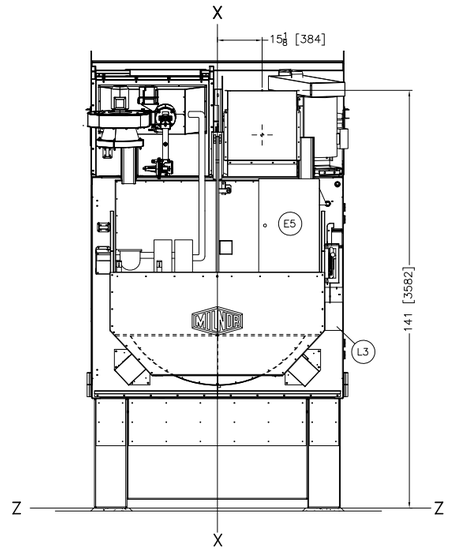
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 7.



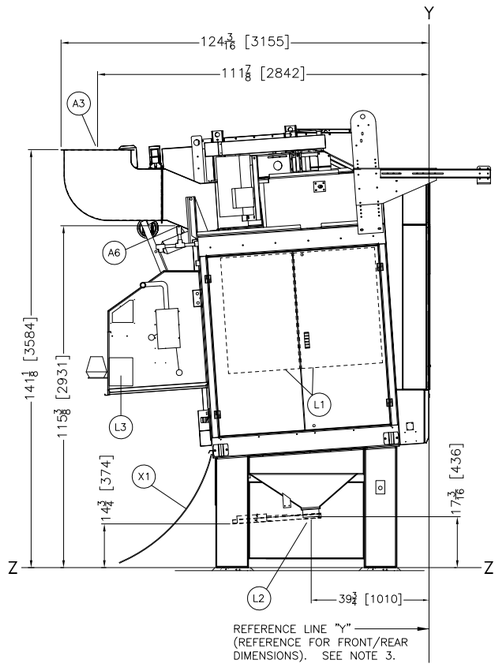
BLOWER EXHAUST
DUCT UP OPTION



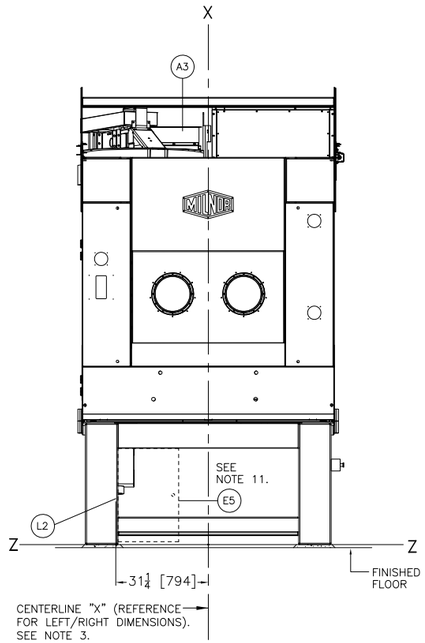
PLAN VIEW



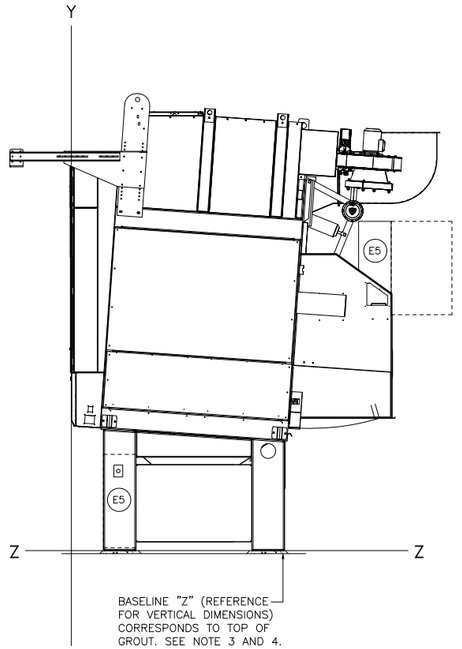
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTE 9 &12.)

AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED

ITEM	LEGEND
X1	OPTIONAL UNLOAD BRIDGE, 48" PLASTIC SHEETING
L3	INTERNAL LINT SCREENS AIR VALVE BOX.
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL
	INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR
	LINT COLLECTOR BY OTHERS. SEE NOTES 9 & 10 AND
	DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
H1	BOLT HOLES, 5/16"[7] DIA.
E5	OPTIONAL INVERTER BOX IS LOCATED AS SPECIFIED ON THE
	DISCHARGE SHROUD, PEDESTAL FRONT, OR FOR REMOTE
	MOUNTING. SEE NOTE 6.
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
A3	BLOWER EXHAUST DUCTING UP OPTION, SEE DETAIL.

NOTES

12 A WATER SEPARATOR (NOT SUPPLIED BY PMC) IS REQUIRED FOR THE INCOMING AIR TO THE INTERNAL LINT SYSTEM.

11 OPTIONAL INVERTER BOX MAY BE SPECIFIED FOR PEDESTAL MOUNT ON 48"[1219] (ZERO PEDESTAL PLUS 7"[178]) AND TALLER PEDESTALS ONLY.

10 OPTIONAL INTERNAL LINT SCREENS IS AVAILABLE FOR DRYERS WITH 41"[1041] AND TALLER PEDESTALS ONLY.

9 FOR OPTIONAL INTERNAL LINT FILTERS, IT IS RECOMMENDED TO HAVE A 60 GALLON COMPRESSED AIR BOOSTER TANK FOR EVERY 5 DRYERS.

8 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

7 THIS DRAWING SHOWS THE 6464 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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ATTENTION

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6464TG1L OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1LBB
2014016D

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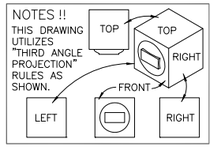
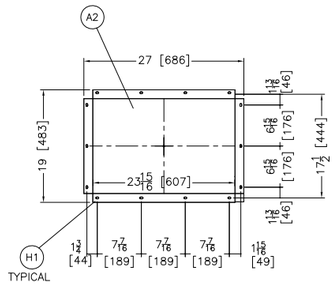
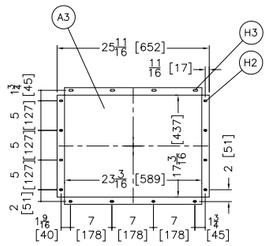
FAX 504/469-1849, Email: milnorinfo@milnor.com



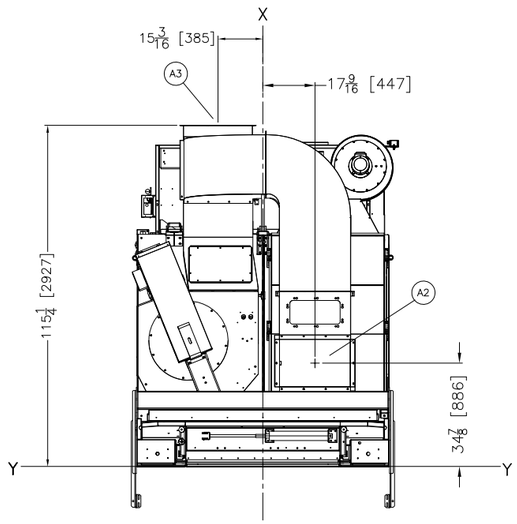
THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6464TG1LAE.



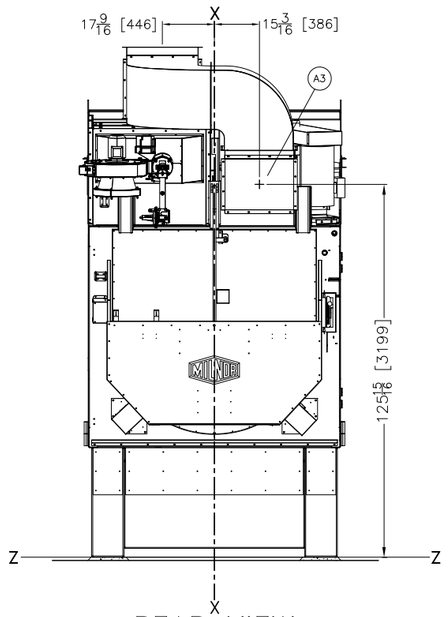
RECIRCULATION BLOWER INTAKE DUCT DETAIL



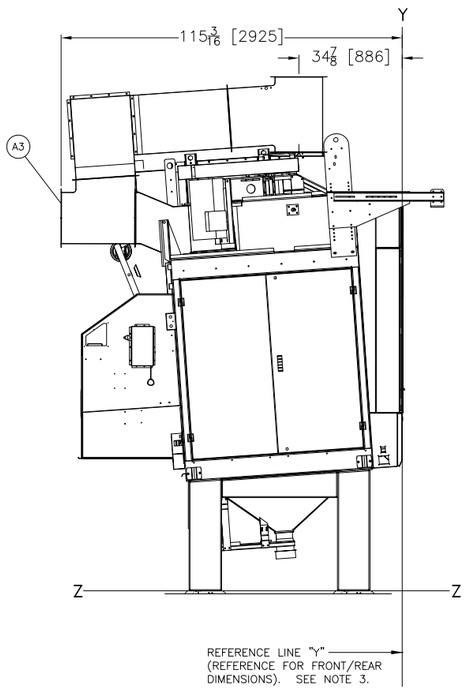
RECIRCULATION BLOWER EXHAUST DUCT TO REAR DETAIL



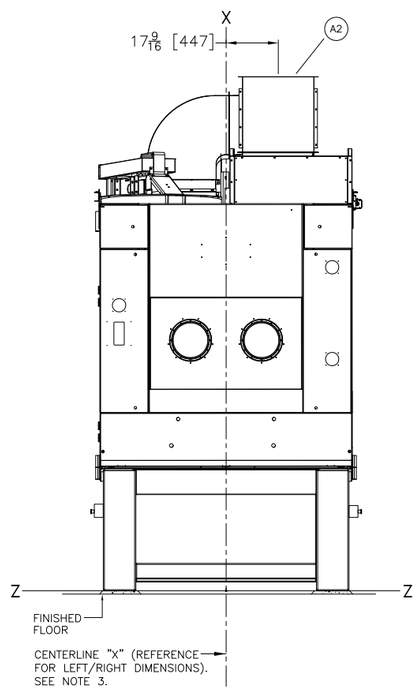
PLAN VIEW



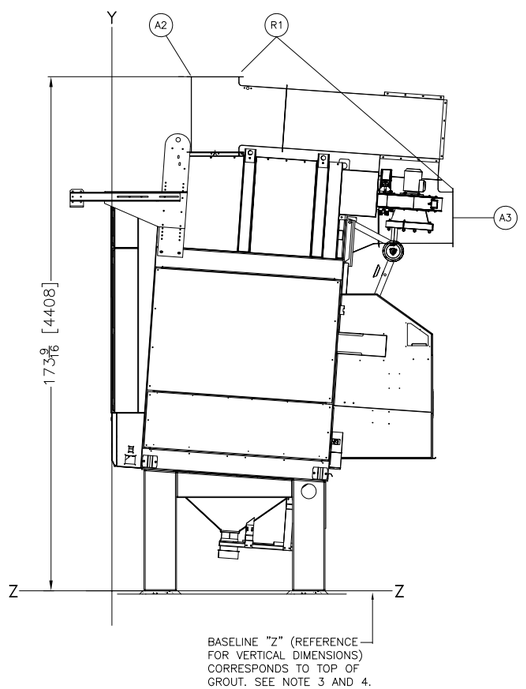
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
R1	OPTIONAL RECIRCULATION DUCTING
H3	.3125"[8] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	.3125"[8] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
A3	RECIRCULATION DUCTING BLOWER EXHAUST REAR, SEE DETAIL
A2	RECIRCULATION DUCTING BLOWER INLET, SEE DETAIL.

NOTES

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11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO THREE MAJOR COMPONENTS FOR SHIPPING, THE BASE, THE FRAME & THE RECIRCULATION DUCTING. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT THE MACHINE THROUGH AN OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

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6464TG1L + RECIRC

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1LBC 2014016D

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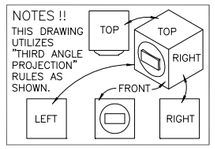

ZERO PEDESTAL SHOWN
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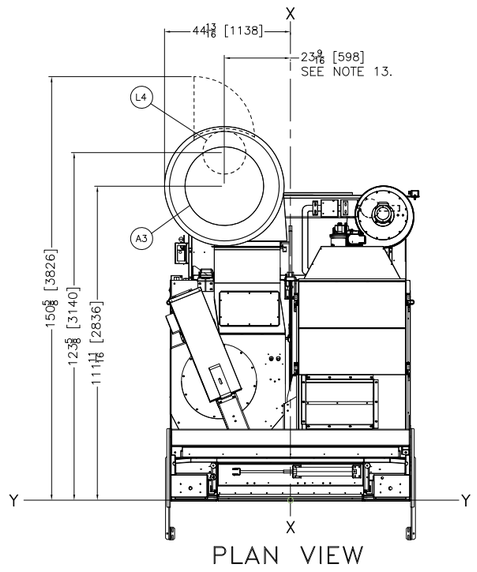
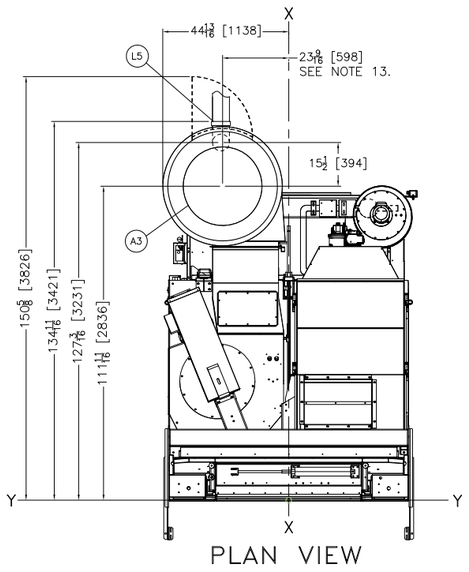
SEE NOTE 12.



PLAN VIEW



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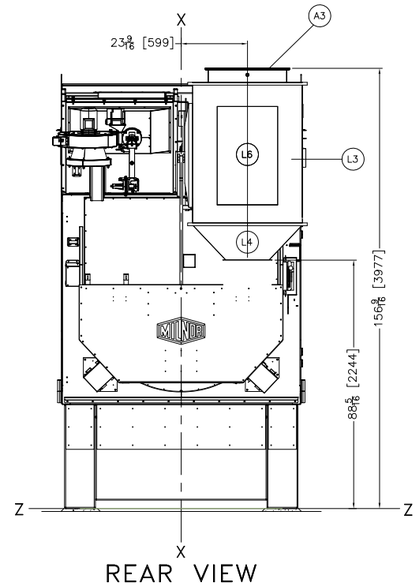
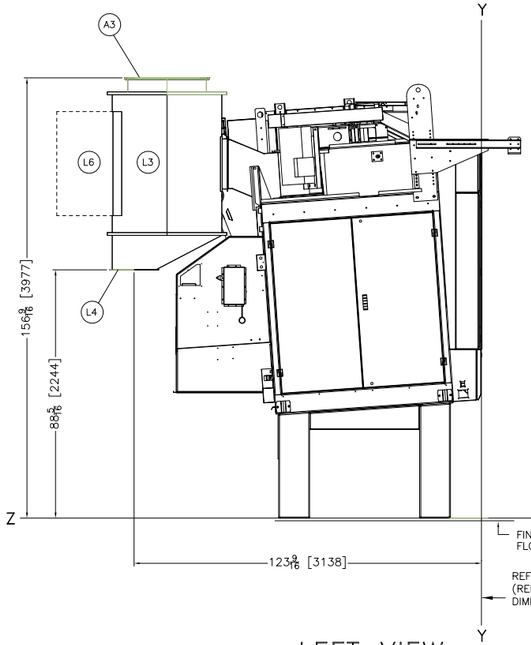
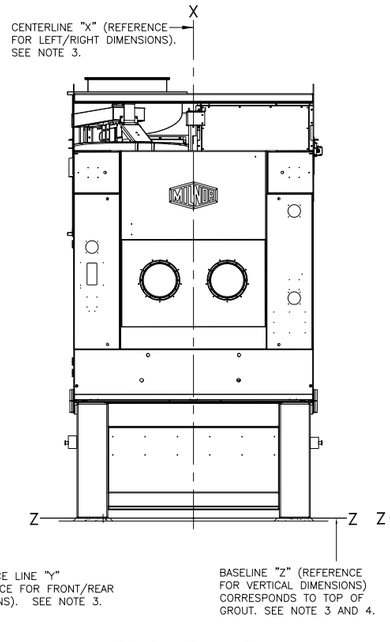


REAR VIEW
LINT OUTLET TO BAG COLLECTOR

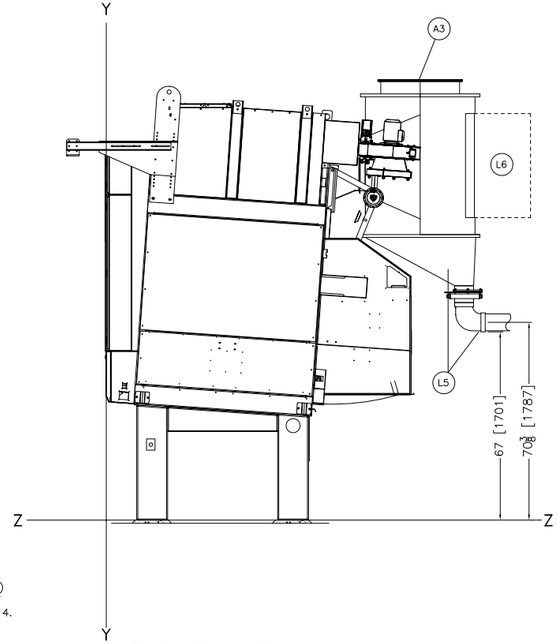
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR
	DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
A3	EXHAUST DUCT, 28"[711] DIAMETER
ITEM	LEGEND



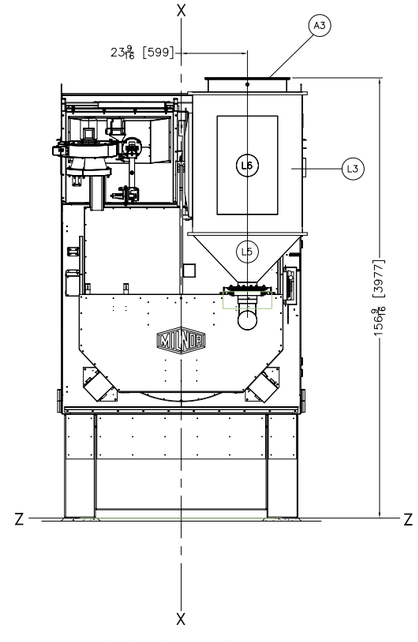
LEFT VIEW



FRONT VIEW



RIGHT VIEW



REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR

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6464TG1L & MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1LBD
2014242D

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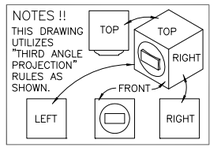
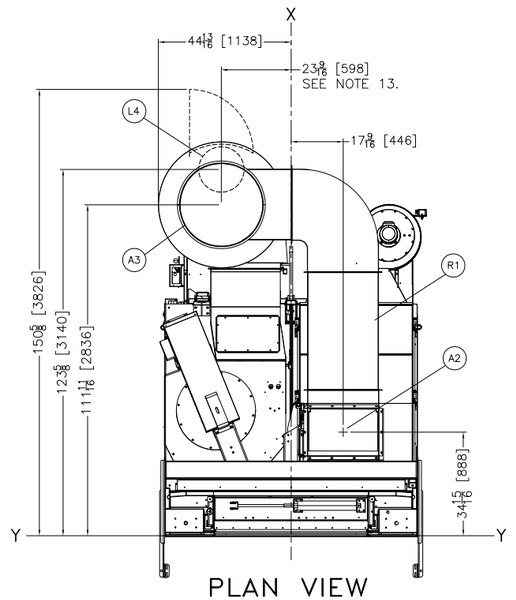
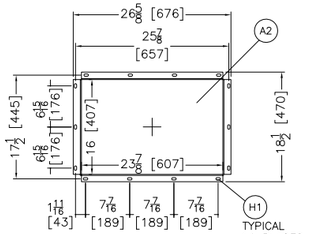


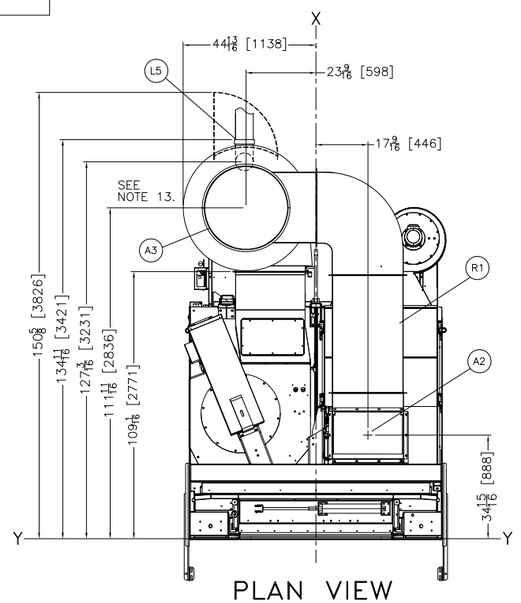
THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6464TG1LAE.



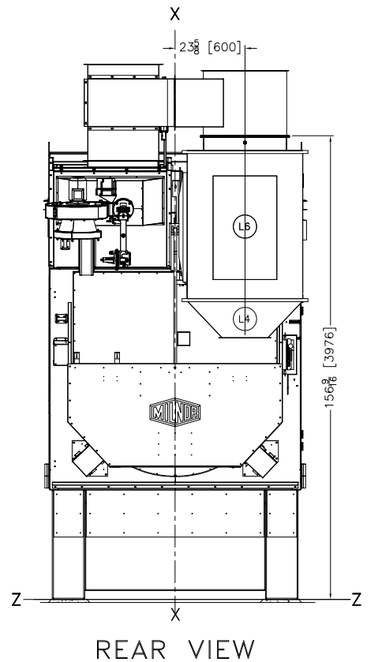
PLAN VIEW
LINT OUTLET TO BAG COLLECTOR



RECIRCULATION BLOWER INTAKE DUCT DETAIL
SEE NOTE 12.



PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



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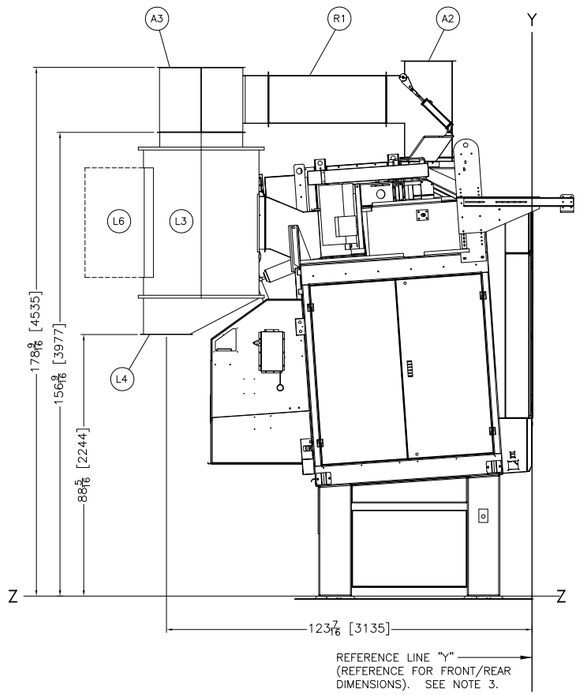

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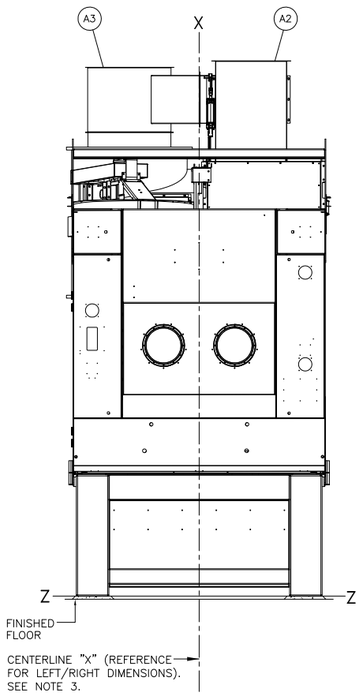

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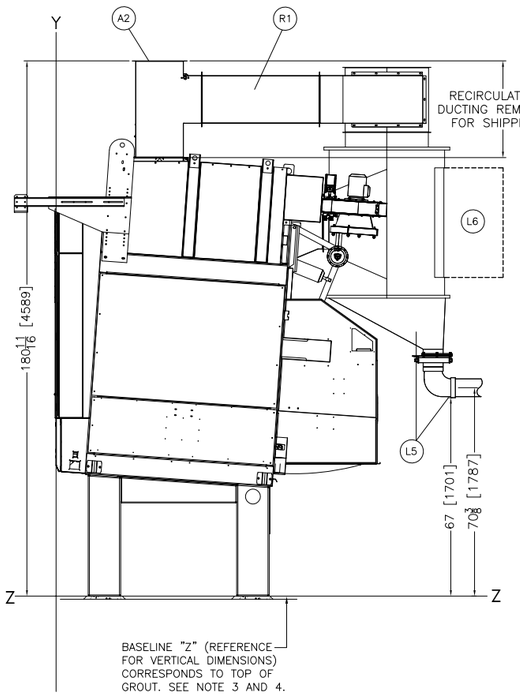

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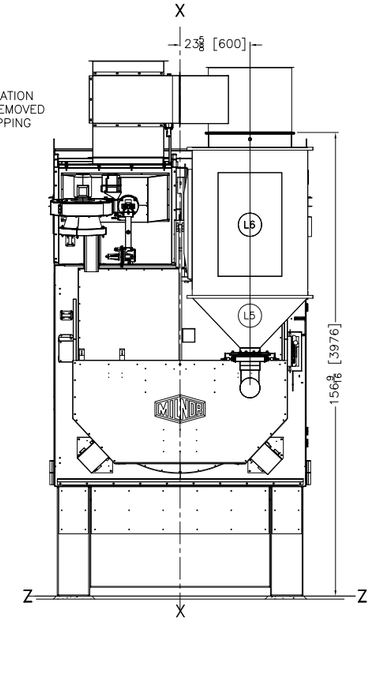

REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR

ITEM	LEGEND
R1	RECIRCULATION DUCT
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE 15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (SUPPORTED BY OTHERS)
H1	.39"[10] DIAMETER X .3/4" SLOTS, 14 PLACES
A3	BLOWER EXHAUST, 28"[711] DIAMETER
A2	BLOWER INTAKE

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6464TG1L RECIRC+MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1LBF
2014242D

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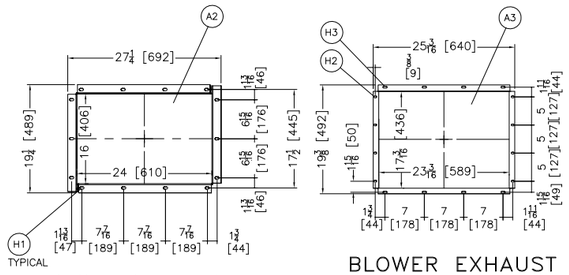

BLOWER INTAKE DUCT DETAIL

BLOWER EXHAUST DUCT TO REAR DETAIL
SEE NOTE 15.

ZERO PEDESTAL SHOWN
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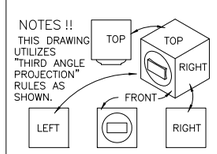


GAS CONSUMPTION:
MAXIMUM NATURAL GAS CONSUMPTION:
1,800,000 BTU/HR
(453,000 KCAL/HR)
AVERAGE NATURAL GAS CONSUMPTION:
1,400,000 BTU/HR
(352,000 KCAL/HR)
GAS PRESSURE REQUIREMENTS:
25" W.C. AT EACH MACHINE
CONNECTION: 1.5" NPT
BURNER RATING: 2M BTU/HR MAX FLAME

AIR:
85-110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
8500 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 26"[660] DIA.

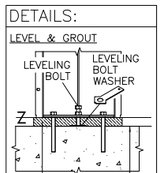
COMBUSTION AIR:
FIRE BOX: N/A
COMBUSTION AIR BLOWER: 400 SCFM
TOTAL AIR: 400 SCFM

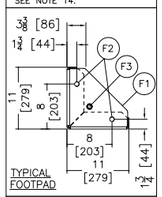
WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE

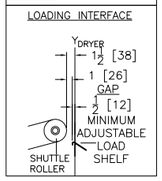
W1	SPRINKLER WATER INLET , 1-1/4" NPT
L1	REMOVABLE ACCESS DOORS
H3	.30 "[8] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	.30 "[8] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
G2	GAS LINE VENT, 1/4" STAINLESS STEEL TUBING

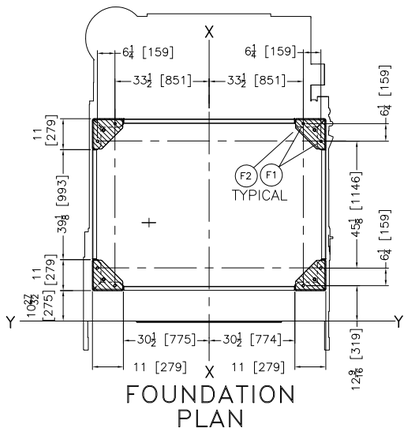
ITEM	LEGEND
G1	GAS INLET, 1-1/2" NPT CONNECTION
F3	LEVELING BOLT (5/8"-11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 15.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E4	EMERGENCY STOP
E3	EMERGENCY STOP & DOOR OPEN CONTROLS
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
C4B	OPTIONAL SHORT SHROUD
C4A	STANDARD DISCHARGE SHROUD
C3	DISCHARGE DOOR
C2	LOAD DOOR, 52" WIDE
C1	LOAD HEIGHT, ADJUSTABLE LOAD SHELF
B6	OPTIONAL BEACON
B5	BLOWER MOTOR
B4	BURNER
B3	DRYER TO DRYER MOUNTING BRACKET
B2	SHIPPING BRACKET ONLY
B1	DRYER MOUNT FESTOON RAIL SUPPORT
A5	COMBUSTION AIR INTAKE BOX WITH FILTERS
A4	AIR VALVE BOX
A3	BLOWER EXHAUST TO REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	COMPRESSED AIR, 1"NPT

DETAILS:

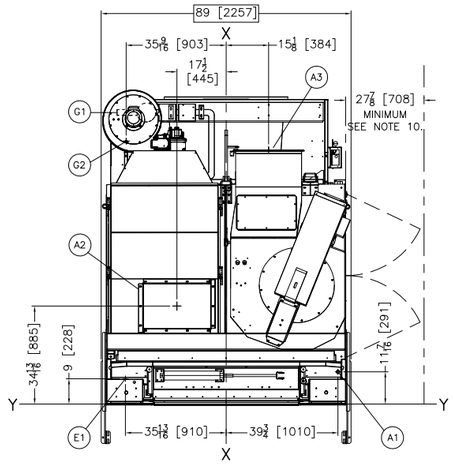




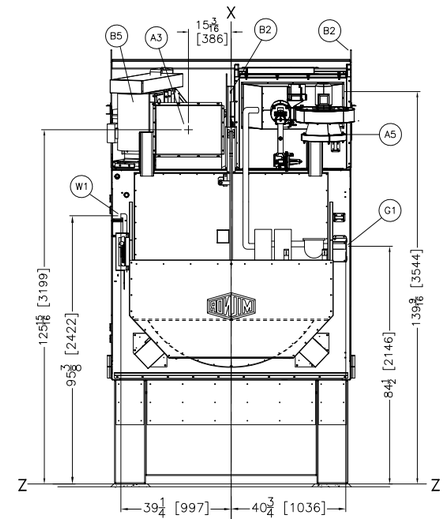




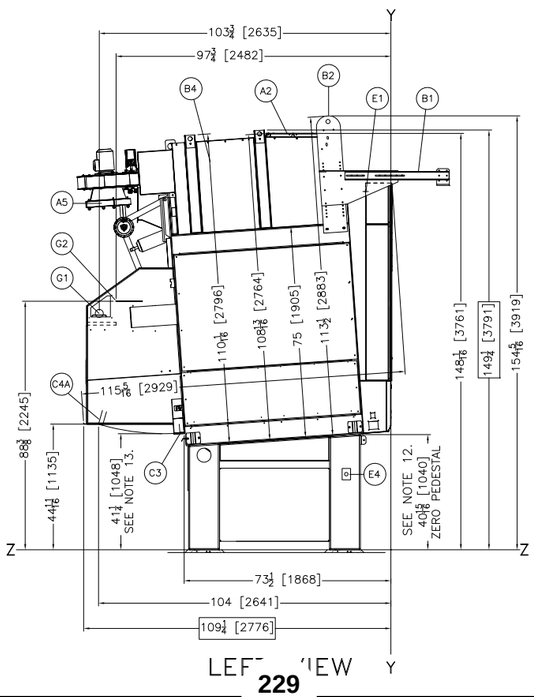
FOUNDATION PLAN



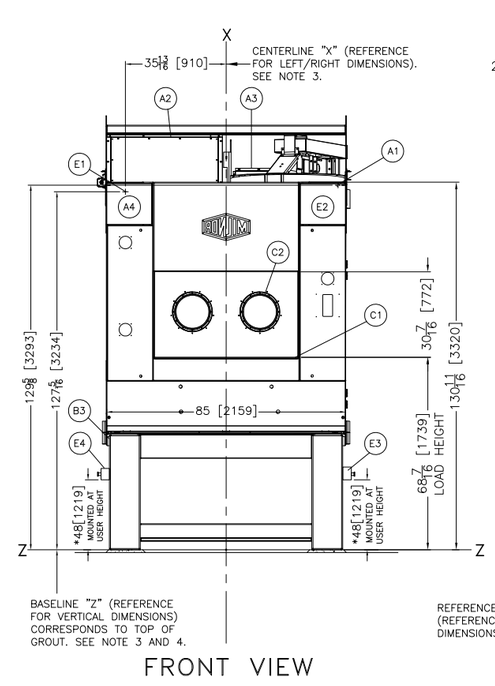
PLAN VIEW



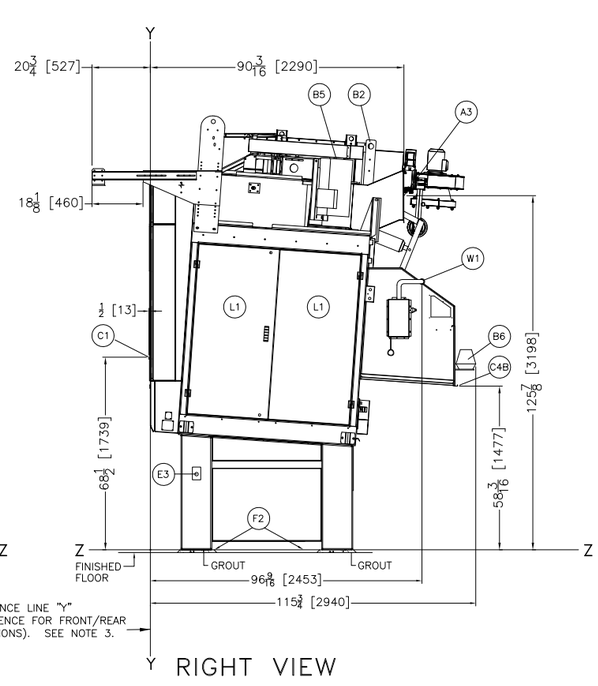
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

NOTES

15 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE 'Z' (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

14 EXHAUST DUCTING: DRYER OPERATES UP TO 8500 SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

13 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

12 THIS DRAWING SHOWS THE 6464TG1L DRYER WITH A 41-1/2[1055] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 A MINIMUM CLEARANCE OF 27-7/8"[708] IS REQUIRED FROM THE REMOVABLE ACCESS DOORS TO WALL. THIS DISTANCE IS REQUIRED TO OPEN THE DOORS 60 DEGREES TO BE LIFTED OFF THE HINGES. THE DOORS MAY BE FULLY OPENED REQUIRING 33"[XX] OF CLEARANCE.

9 DRYER IS DISASSEMBLED INTO TWO MAJOR COMPONENTS FOR SHIPPING, THE BASE AND THE FRAME. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

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ATTENTION

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6464TG1R

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1RBE
2014252D

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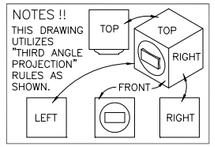
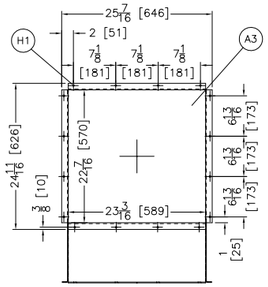
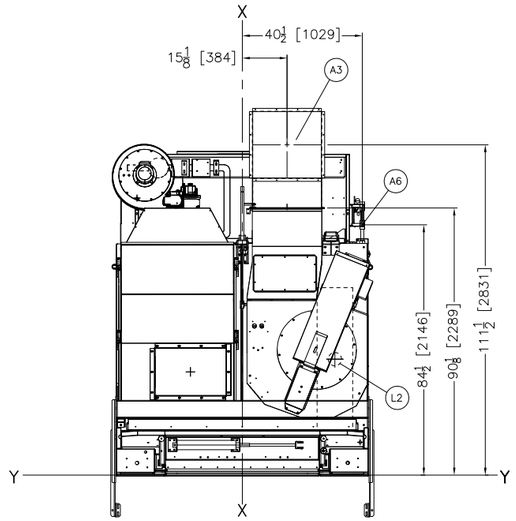


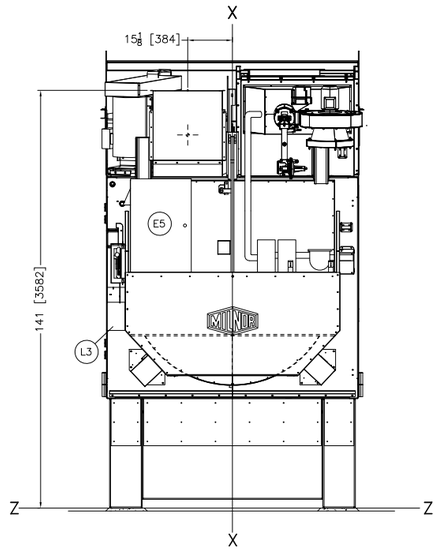
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 7.



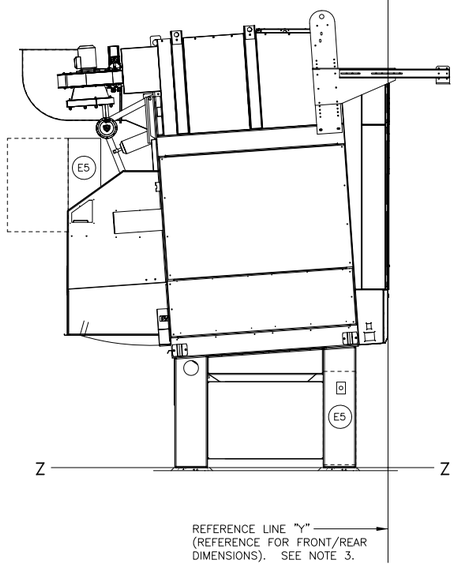
BLOWER EXHAUST
DUCT UP OPTION



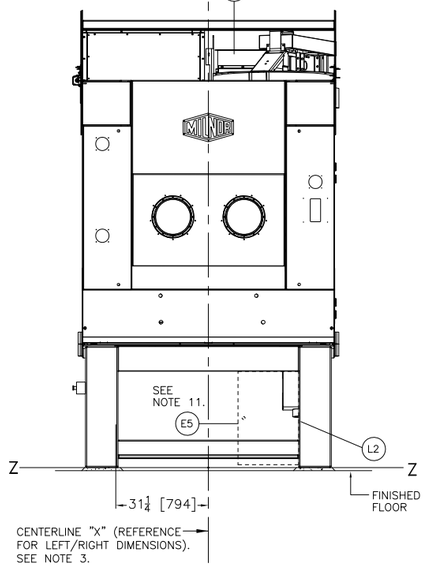
PLAN VIEW



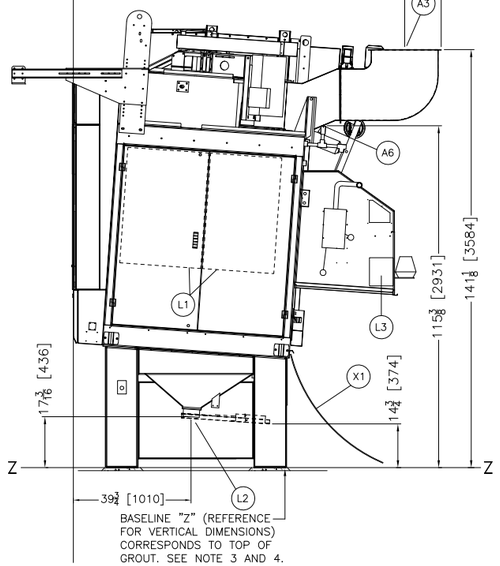
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTE 9 &12.)

AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED

ITEM	LEGEND
X1	OPTIONAL UNLOAD BRIDGE, 48" PLASTIC SHEETING
L3	INTERNAL LINT SCREENS AIR VALVE BOX.
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL
	INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR
	LINT COLLECTOR BY OTHERS. SEE NOTES 9 & 10 AND
	DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
H1	BOLT HOLES, 5/16"[7] DIA.
E5	OPTIONAL INVERTER BOX IS LOCATED AS SPECIFIED ON THE
	DISCHARGE SHROUD, PEDESTAL FRONT, OR FOR REMOTE
	MOUNTING. SEE NOTE 6.
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
A3	BLOWER EXHAUST DUCTING UP OPTION, SEE DETAIL.

NOTES

12 A WATER SEPARATOR (NOT SUPPLIED BY PMC) IS REQUIRED FOR THE INCOMING AIR TO THE INTERNAL LINT SYSTEM.

11 OPTIONAL INVERTER BOX MAY BE SPECIFIED FOR PEDESTAL MOUNT ON 48"[1219] (ZERO PEDESTAL PLUS 7"[178]) AND TALLER PEDESTALS ONLY.

10 OPTIONAL INTERNAL LINT SCREENS IS AVAILABLE FOR DRYERS WITH 41"[1041] AND TALLER PEDESTALS ONLY.

9 FOR OPTIONAL INTERNAL LINT FILTERS, IT IS RECOMMENDED TO HAVE A 60 GALLON COMPRESSED AIR BOOSTER TANK FOR EVERY 5 DRYERS.

8 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

7 THIS DRAWING SHOWS THE 6464 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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6464TG1R OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1RBB
2014016D

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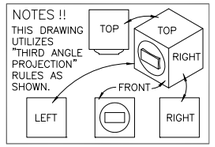
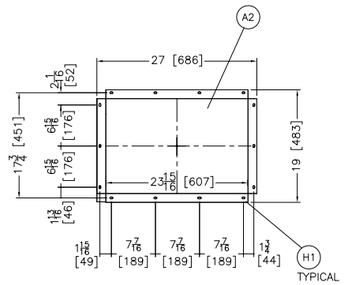
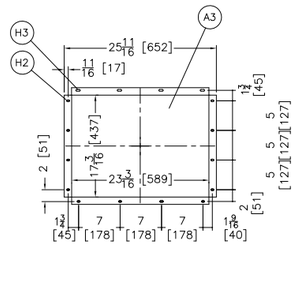
FAX 504/469-1849, Email: milnorinfo@milnor.com



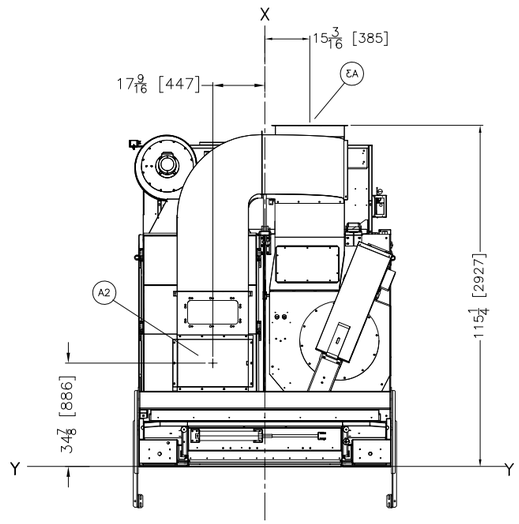
THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6464TG1RAE.



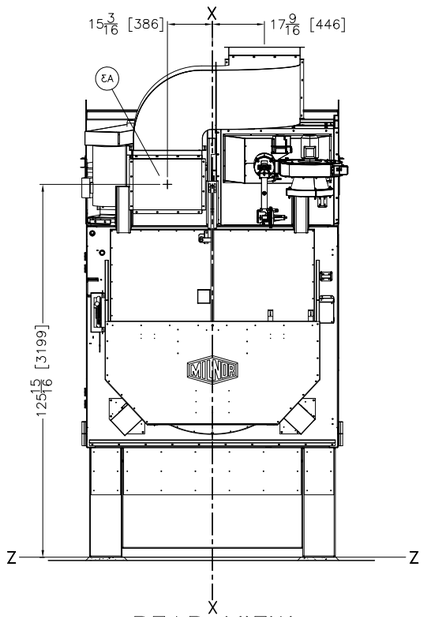
RECIRCULATION BLOWER INTAKE DUCT DETAIL



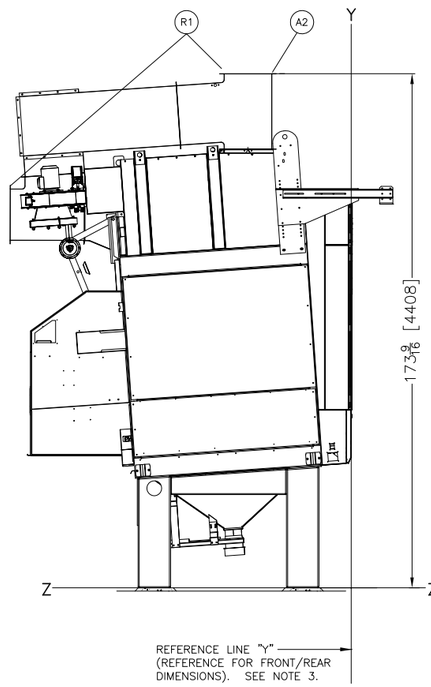
RECIRCULATION BLOWER EXHAUST DUCT TO REAR DETAIL



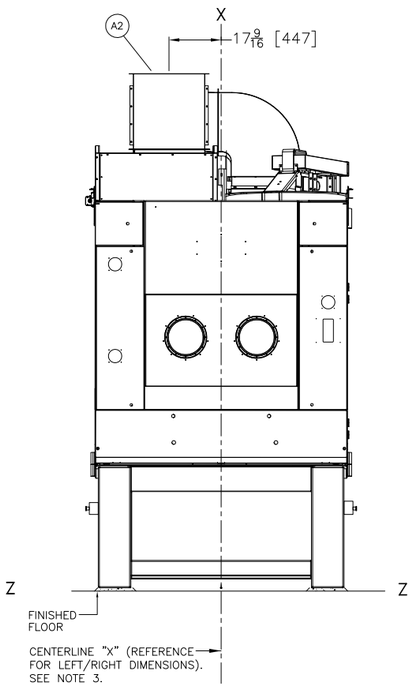
PLAN VIEW



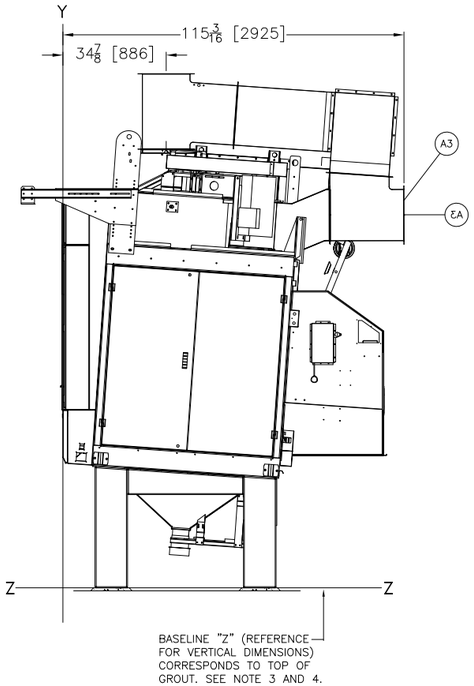
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
R1	OPTIONAL RECIRCULATION DUCTING
H3	.3125"[8] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	.3125"[8] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
A3	RECIRCULATION DUCTING BLOWER EXHAUST REAR, SEE DETAIL
A2	RECIRCULATION DUCTING BLOWER INLET, SEE DETAIL.

NOTES

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

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11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO THREE MAJOR COMPONENTS FOR SHIPPING, THE BASE, THE FRAME & THE RECIRCULATION DUCTING. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT THE MACHINE THROUGH AN OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 THIS DRAWING SHOWS THE 64G4TG1L DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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6464TG1R+ RECIRC

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1RBC
2014016D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Email: milnorinfo@milnor.com

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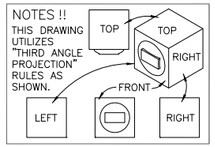
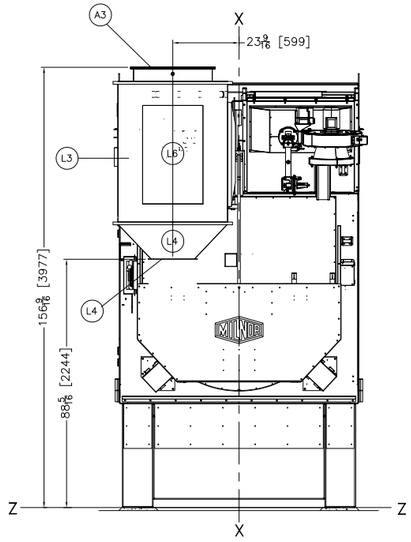
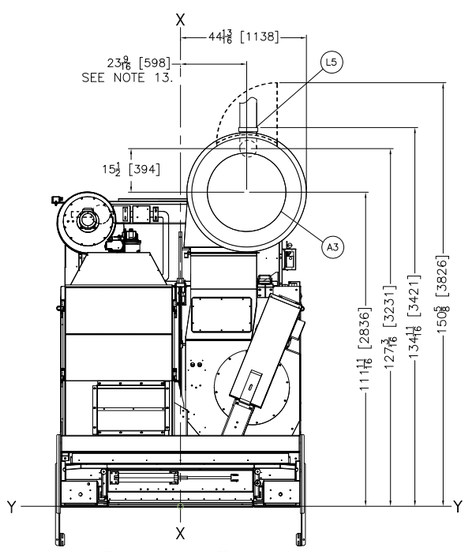


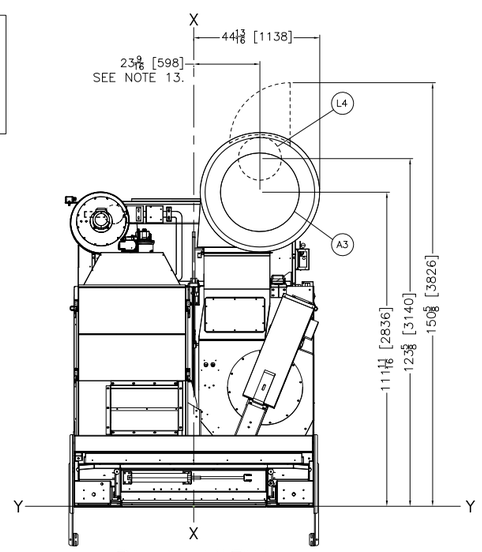


REAR VIEW
LINT OUTLET TO BAG COLLECTOR



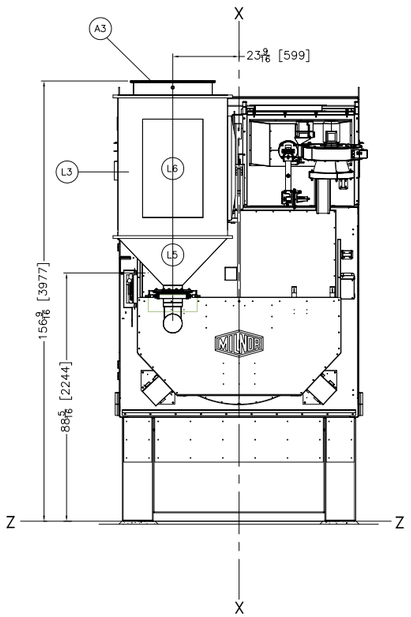
PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.

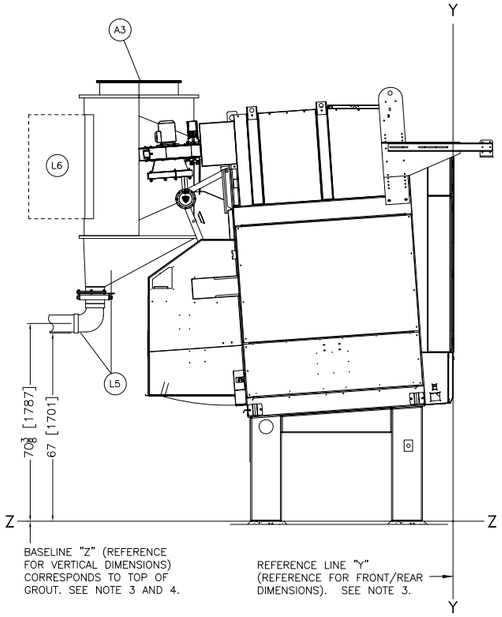


PLAN VIEW
LINT OUTLET TO BAG COLLECTOR

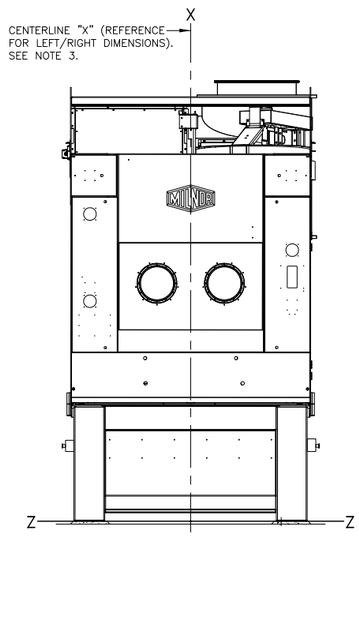
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE 15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
A3	EXHAUST DUCT, 28"[711] DIAMETER
ITEM	LEGEND



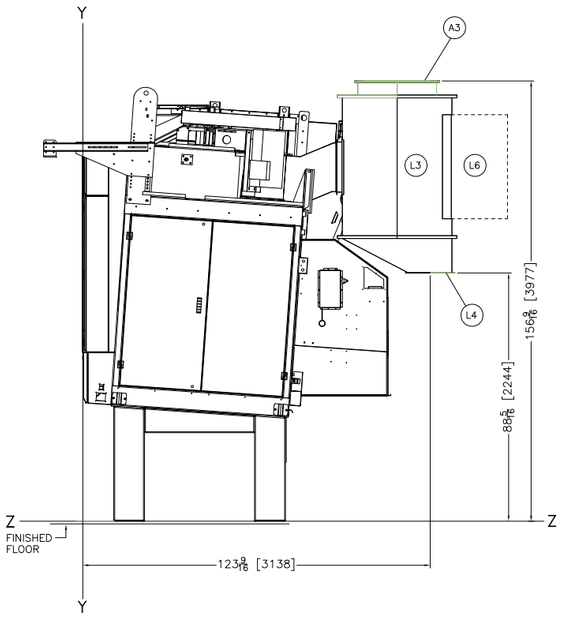
REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR



LEFT VIEW
LINT OUTLET TO VACUUM COLLECTOR



FRONT VIEW



RIGHT VIEW
LINT OUTLET TO BAG COLLECTOR

NOTES

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6464TG1R & MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1RBD
2014242D

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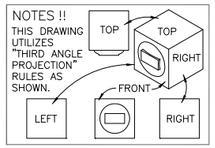
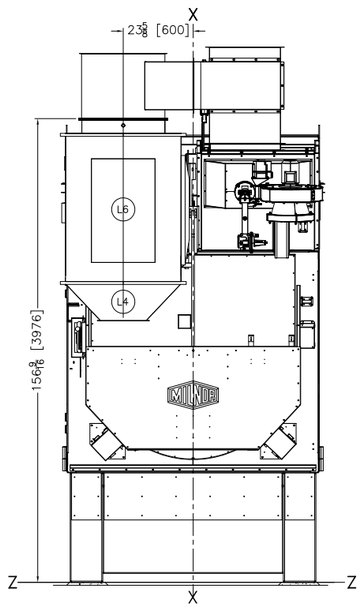
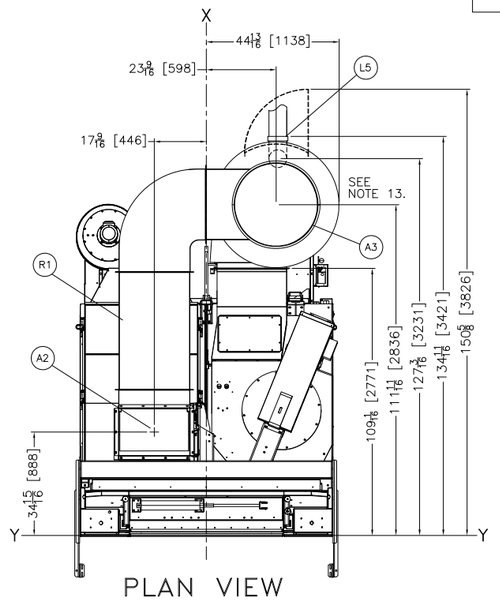


THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6464TG1RAE.



REAR VIEW
LINT OUTLET TO BAG COLLECTOR



PLAN VIEW
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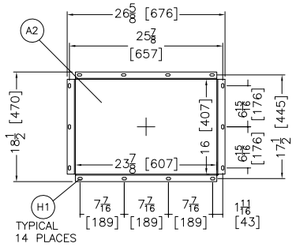
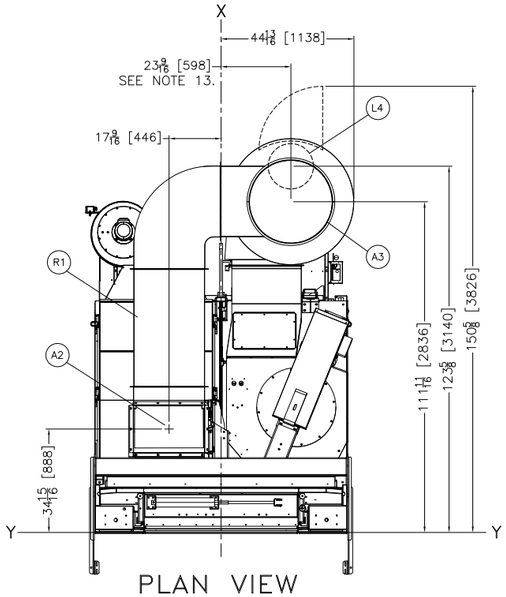


RECIRCULATION BLOWER INTAKE DUCT DETAIL
SEE NOTE 12.



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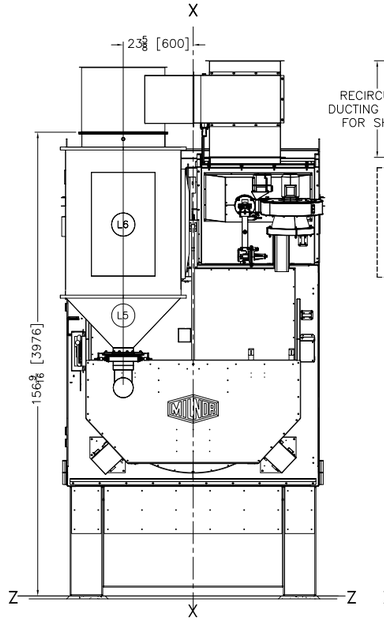

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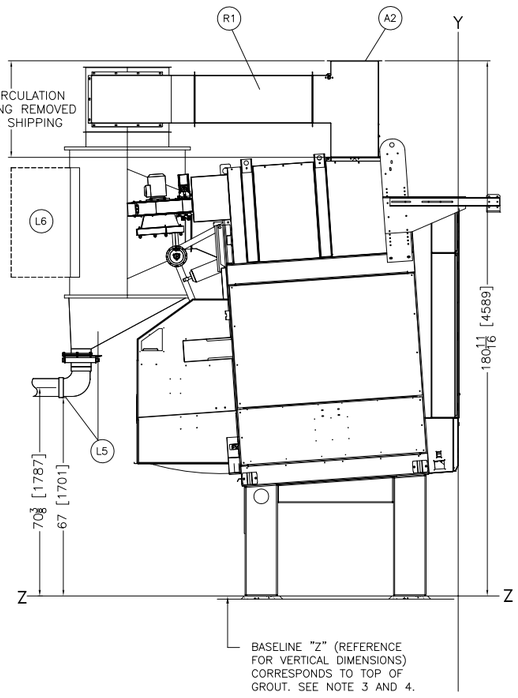

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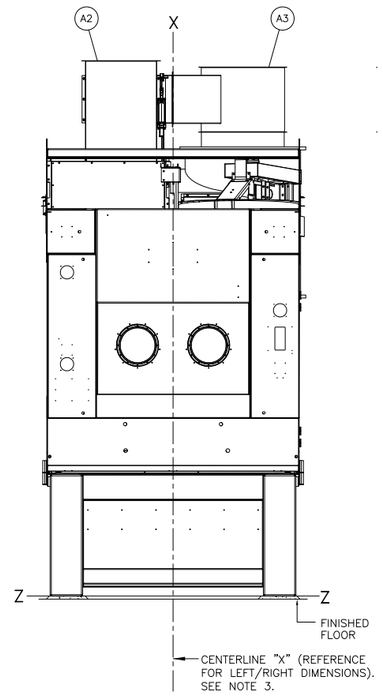
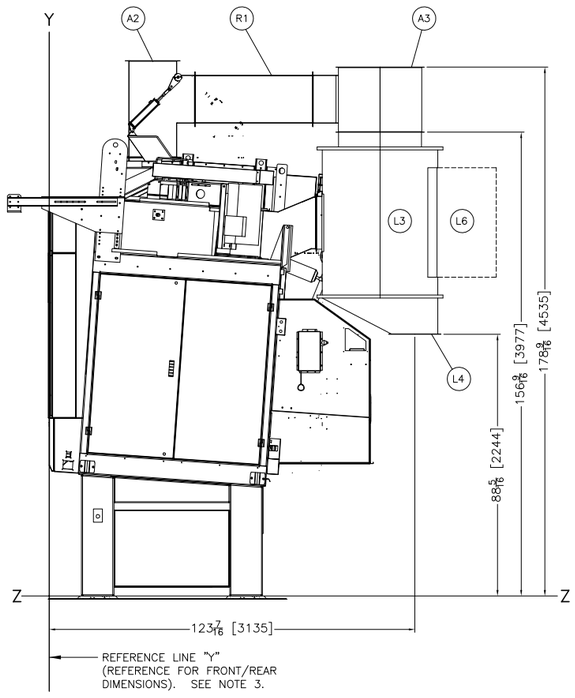


FRONT VIEW



LEFT VIEW
LINT OUTLET TO BAG COLLECTOR

ITEM	LEGEND
R1	RECIRCULATION DUCT
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE 15-1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (SUPPORTED BY OTHERS)
H1	.39"[10] DIAMETER X .3/4" SLOTS, 14 PLACES
A3	BLOWER EXHAUST, 28"[711] DIAMETER
A2	BLOWER INTAKE

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6464TG1R RECIRC+MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1RBF
20142420

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
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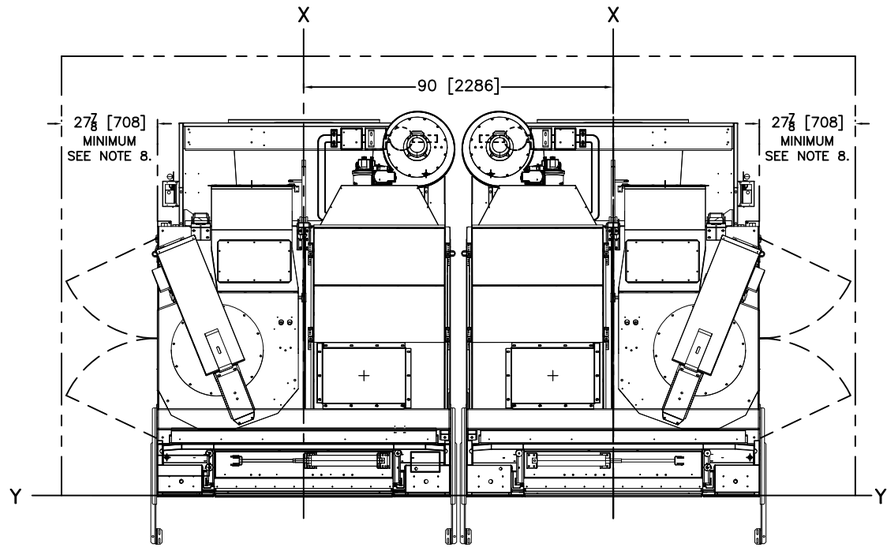
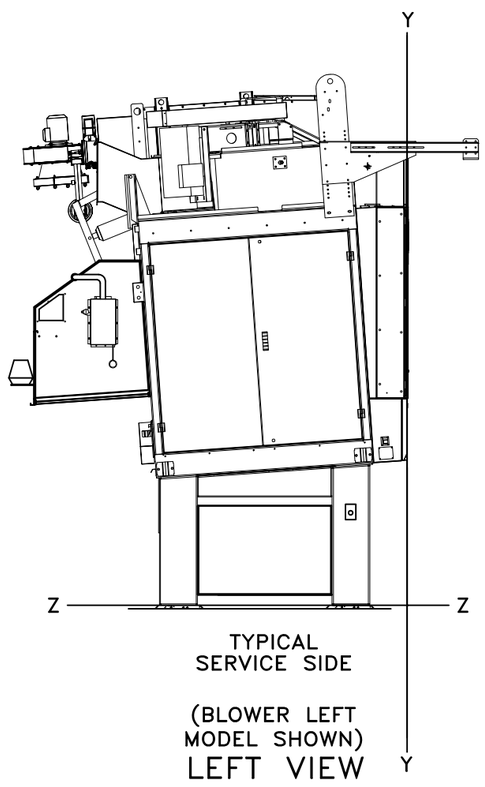


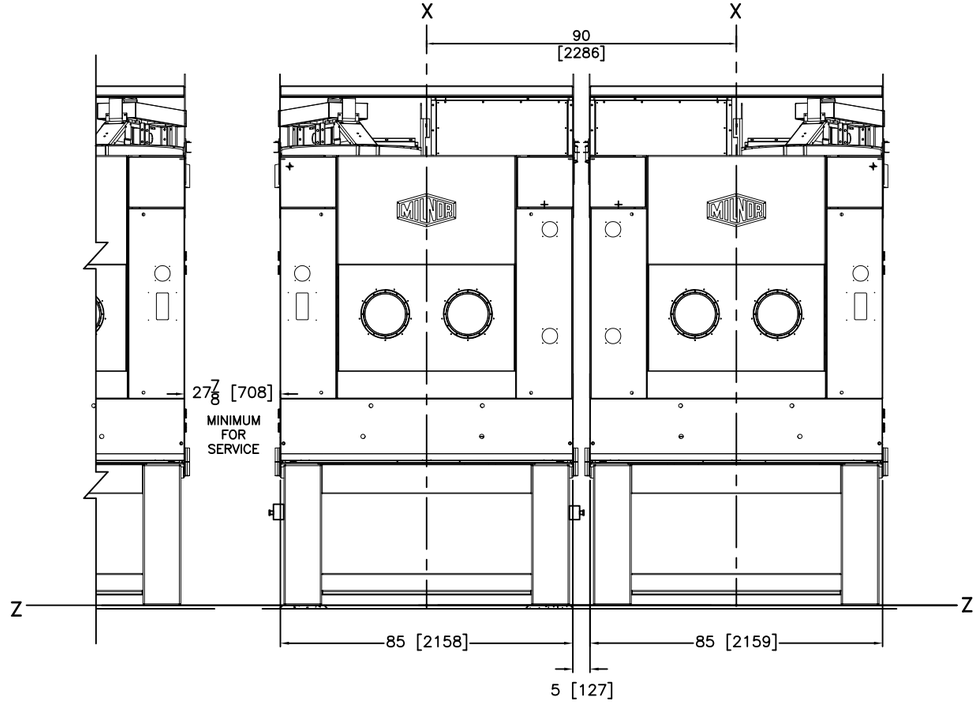
PLAN VIEW



TYPICAL
SERVICE SIDE

(BLOWER LEFT
MODEL SHOWN)

LEFT VIEW



FRONT VIEW
MIRRORED INSTALLATION

B3	DRYER TO DRYER MOUNTING BRACKET
ITEM	LEGEND

NOTES

8 A MINIMUM CLEARANCE OF 27-7/8"[708] IS REQUIRED FROM THE REMOVABLE ACCESS DOORS TO WALL. THIS DISTANCE IS REQUIRED TO OPEN THE DOORS 60 DEGREES TO BE LIFTED OFF THE HINGES. THE DOORS MAY BE FULLY OPENED REQUIRING 32-1/4"[819] OF CLEARANCE.

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4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.

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1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

ATTENTION

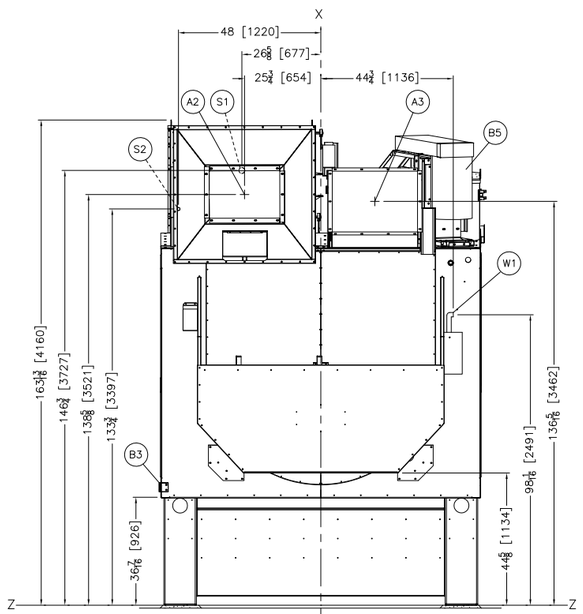
THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS OPERATION. WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

6464TG1L,TG1R PAIRED

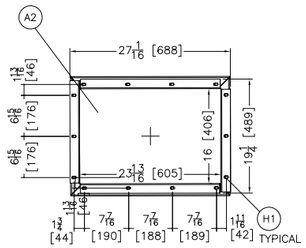
DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6464TG1PBE
2014016D

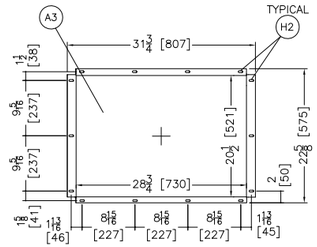
PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Email: milnorinfo@milnor.com



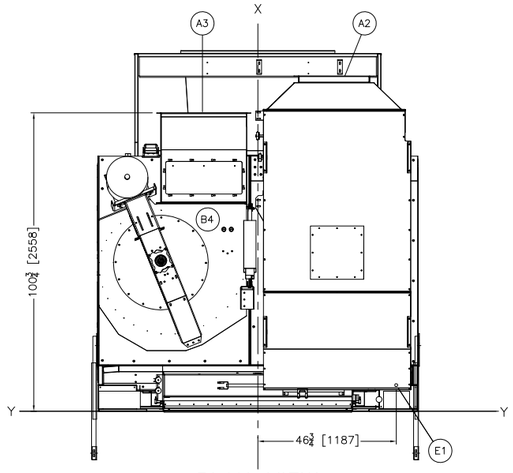
REAR VIEW



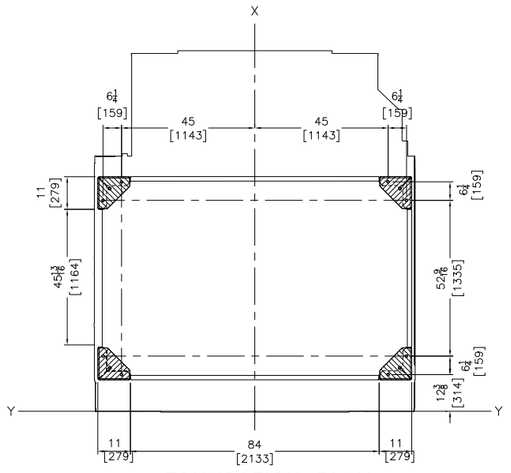
BLOWER INTAKE DUCT DETAIL



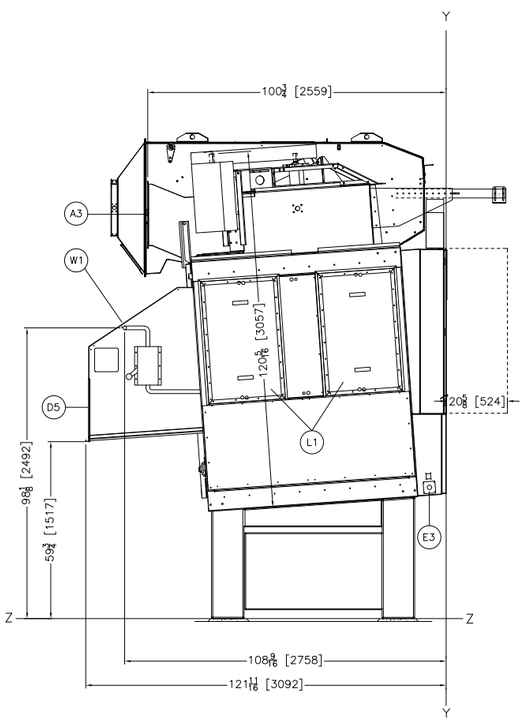
BLOWER EXHAUST DUCT TO REAR



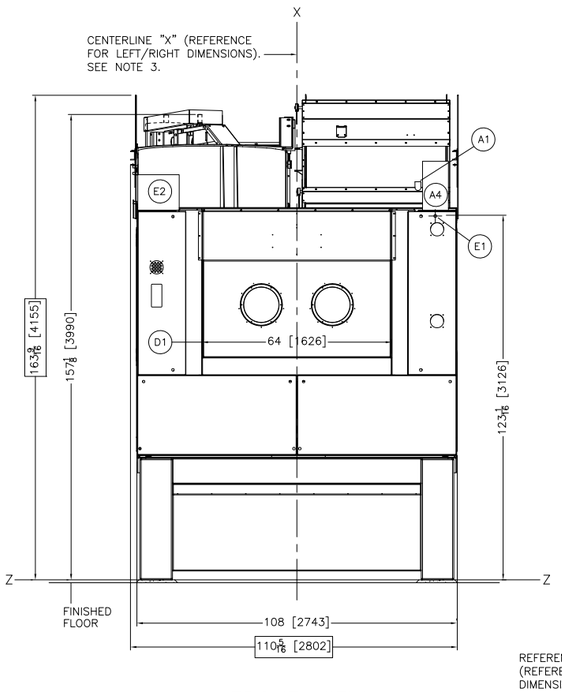
PLAN VIEW



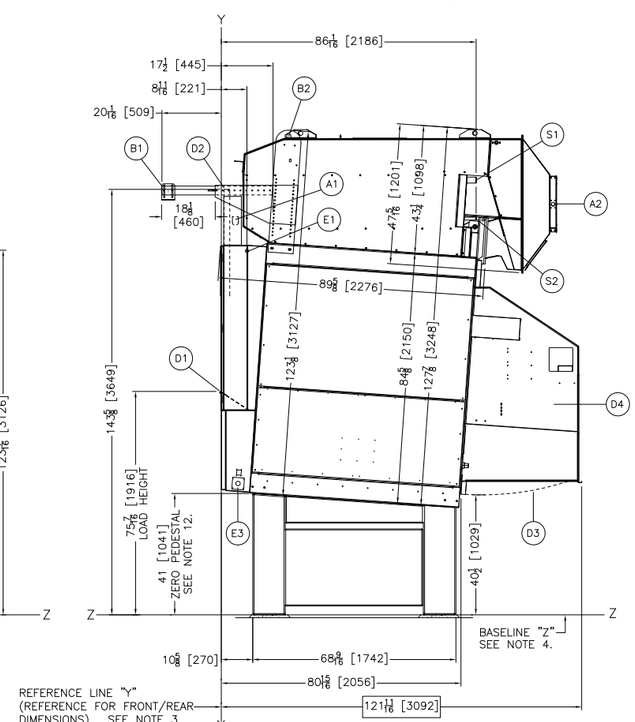
FOUNDATION PLAN



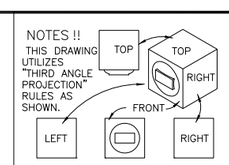
LEFT VIEW



FRONT VIEW



RIGHT VIEW



STEAM CONSUMPTION:
MAXIMUM STEAM CONSUMPTION WITH LOAD-
LOAD: 550 LB [250KG]
STEAM PER HOUR: 3,223LBS [1462KG]
AT 150 PSI/[10.2 ATU]
ACTUAL BOILER HP: 96 HP

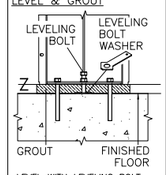
AIR:
85-110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
14,000 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 32"[813] DIA.

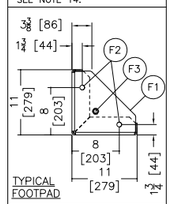
WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM.
PRESSURE: 60 USG PER MINUTE

DETAILS:

LEVEL & GROUT



LEVEL WITH LEVELING BOLT TO "Z", GROUT AND ANCHOR ALL FOOTPADS. SEE NOTE 14.



TYPICAL FOOTPAD

LOADING INTERFACE

ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1-1/4" NPT
S2	STEAM CONDENSATE OUTLET, 1" NPT
S1	STEAM INLET, 2" NPT
L1	ACCESS DOORS
H2	5/16"[7] DIA. X 3/4"[19] SLOTS, 16 PLACES
H1	3/8"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
F3	LEVELING BOLT (5/8"-11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E3	EMERGENCY STOP
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
D5	OPTIONAL SHORT DISCHARGE SHROUD
D4	DISCHARGE SHROUD
D3	DISCHARGE DOOR
D2	LOAD DOOR
D1	LOAD HEIGHT, ADJUSTABLE LOAD SHELF
B4	BLOWER MOTOR
B3	DRYER TO DRYER MOUNTING BRACKET
B2	SHIPPING BRACKET ONLY
B1	OPTIONAL DRYER MOUNTED FESTOON RAIL SUPPORT
A4	AIR VALVE BOX
A3	BLOWER EXHAUST, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION, 1"NPT

NOTES

14 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE 'Z' (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

12 THIS DRAWING SHOWS THE 72072TG1L DRYER WITH A 40-1/2"[1029] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

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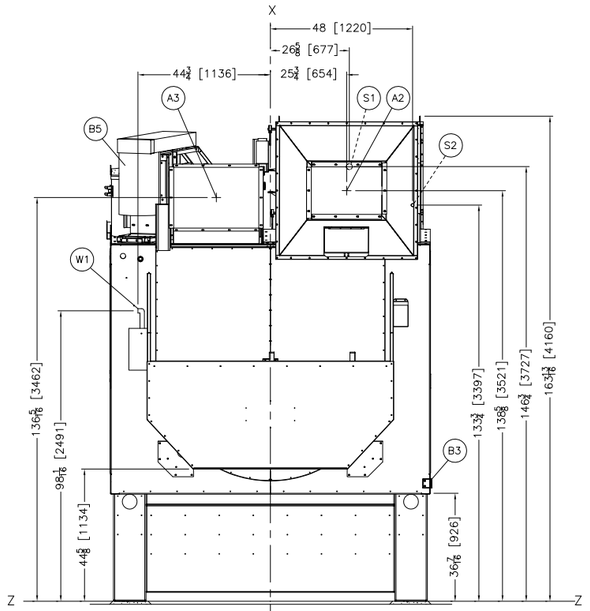
72072TS1L DRYER

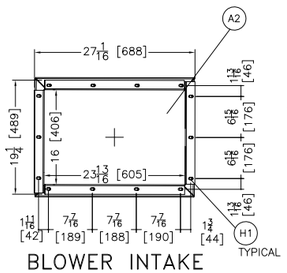
DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272SLCE 2014116D

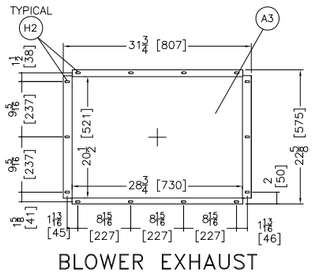
PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Email: milnorinfo@milnor.com



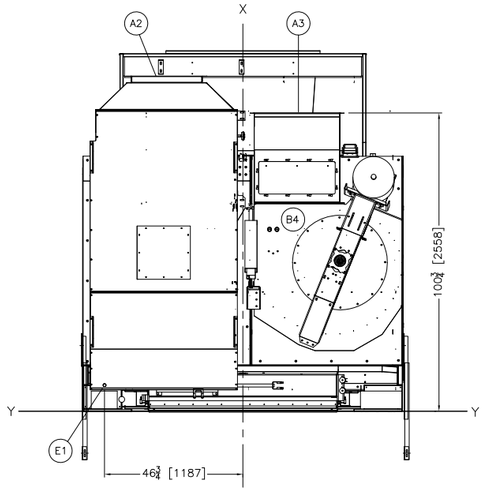
REAR VIEW



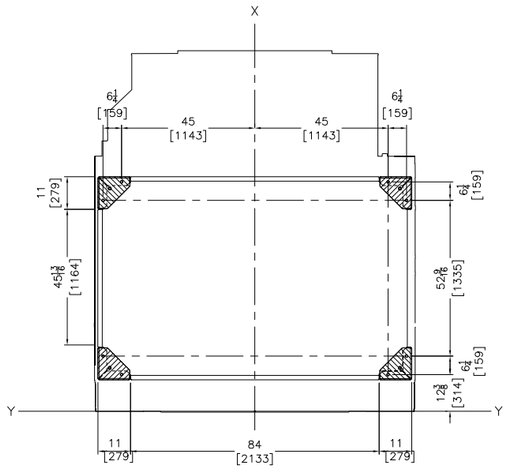
BLOWER INTAKE DUCT DETAIL



BLOWER EXHAUST DUCT TO REAR

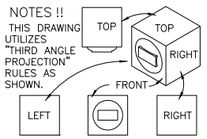


PLAN VIEW



FOUNDATION PLAN

NOTES !!



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MAXIMUM STEAM CONSUMPTION WITH LOAD-LOAD: 550 LB [250KG]
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ACTUAL BOILER HP: 96 HP

AIR:
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CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

MAIN BLOWER AIR:
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RECOMMENDED DUCT SIZE (INLET & OUTLET): 32"[813] DIA.

WATER:
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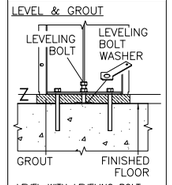
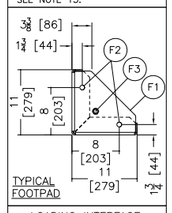
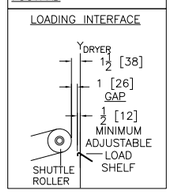
PRESSURE: 60 USG PER MINUTE

DETAILS:





LOADING INTERFACE



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A2	BLOWER INTAKE, SEE DETAIL
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ITEM	LEGEND

NOTES

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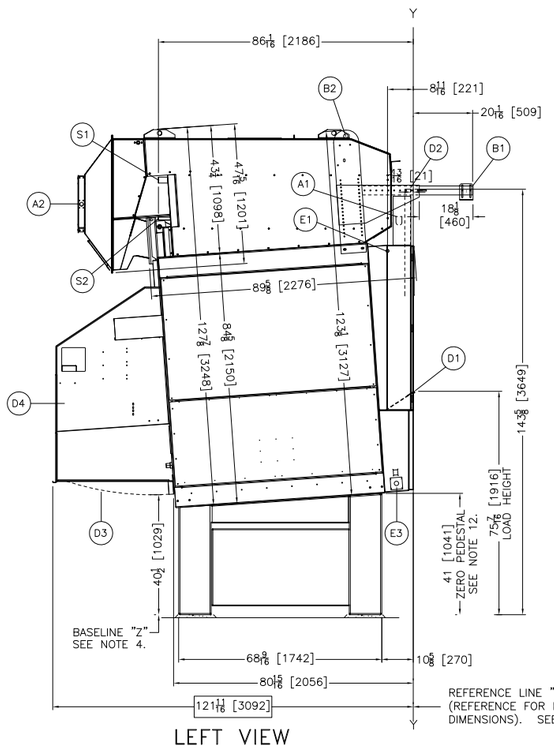
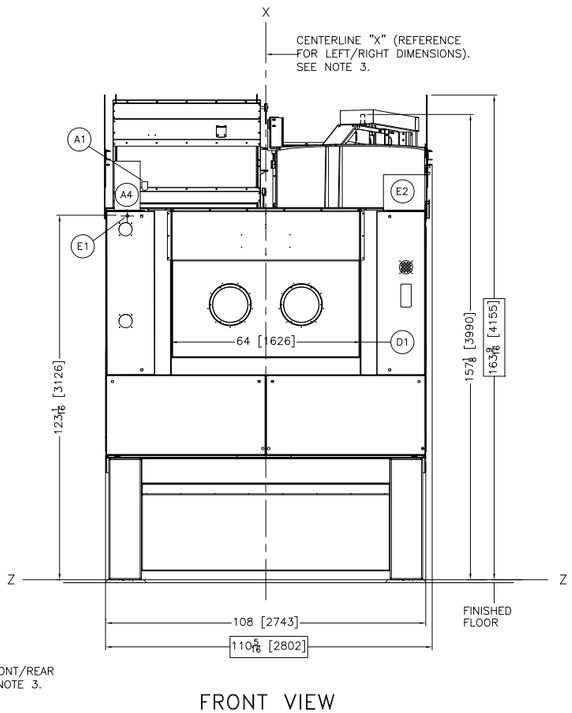
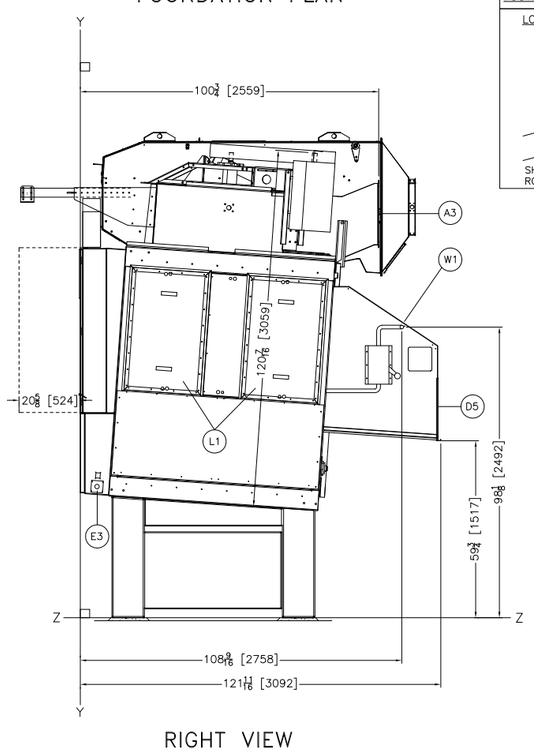


LEFT VIEW



FRONT VIEW



RIGHT VIEW

72072TS1R DRYER

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272SRCE 2014116D

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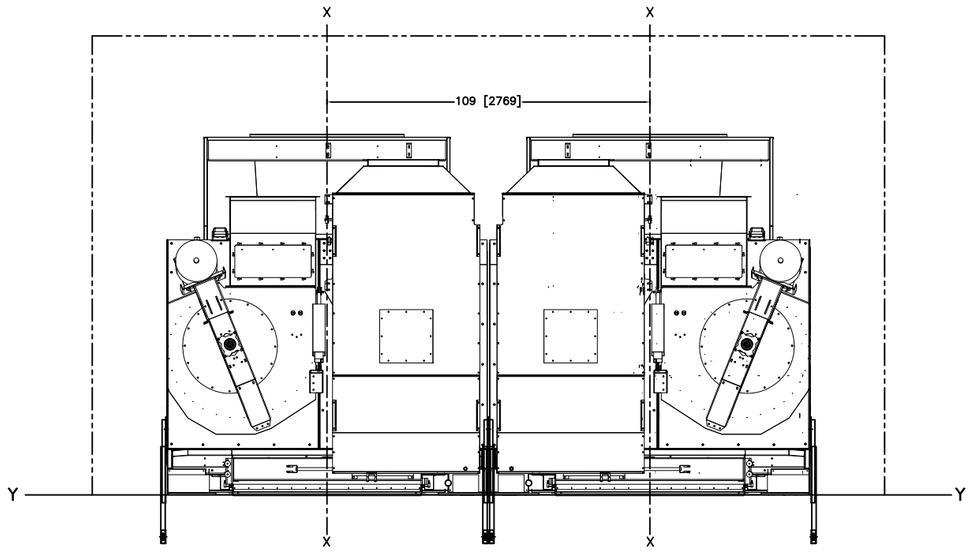
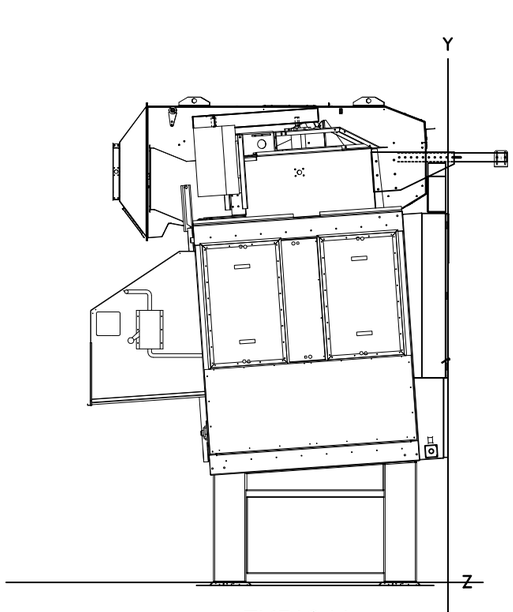


BLOWER LEFT MODEL

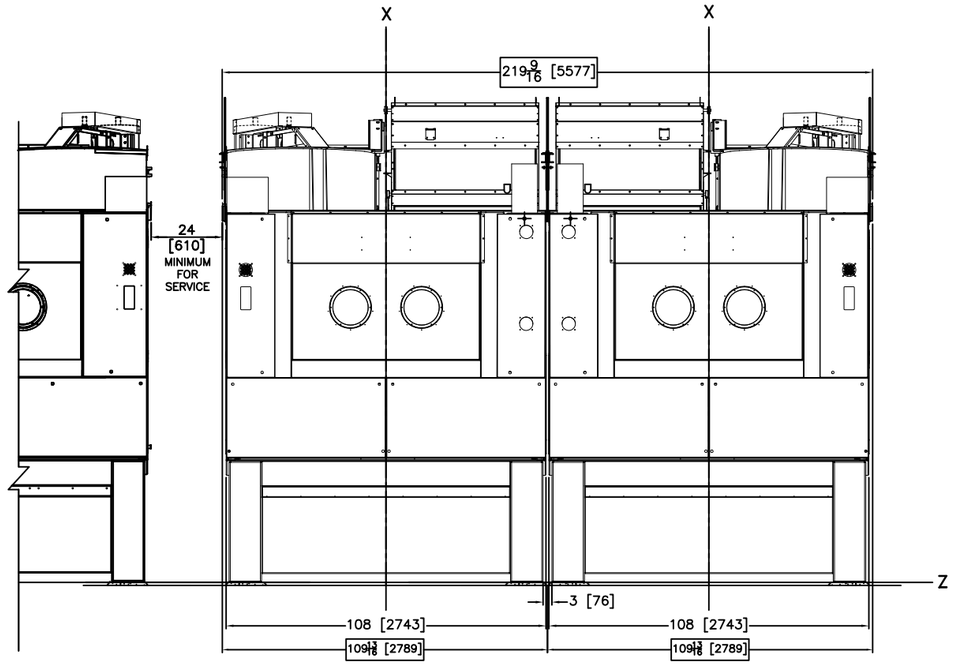
BLOWER RIGHT MODEL

PLAN VIEW



TYPICAL SERVICE SIDE

(BLOWER LEFT MODEL SHOWN)



FRONT VIEW
MIRRORED INSTALLATION

NOTES

12 THIS DRAWING SHOWS THE 72072TS1 DRYERS WITH A 40-1/2"[1029] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
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3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

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7272TS1L/TS1R PAIRED

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272SPCE 2013133D

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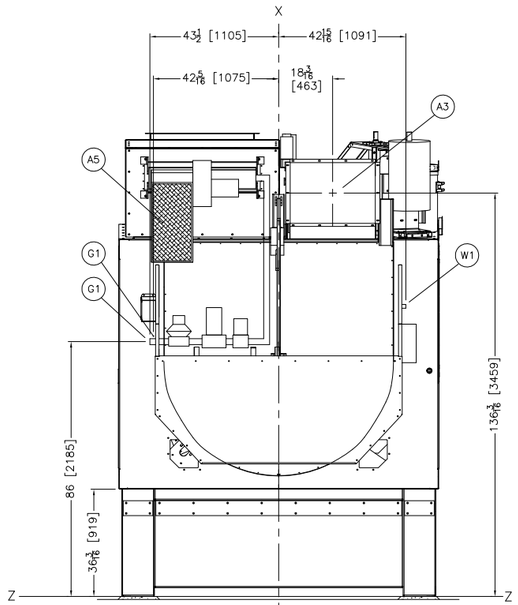
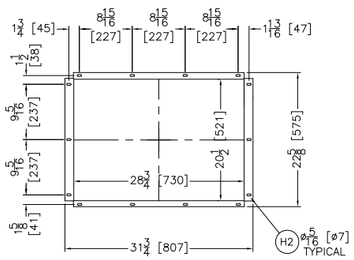
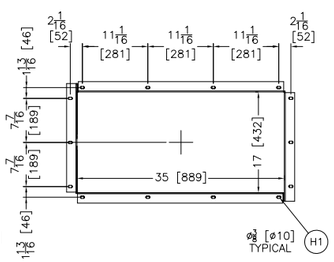
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.



REAR VIEW

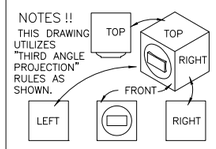


BLOWER EXHAUST
DUCT DETAIL – REAR



BLOWER INTAKE
DUCT DETAIL– PLAN

NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



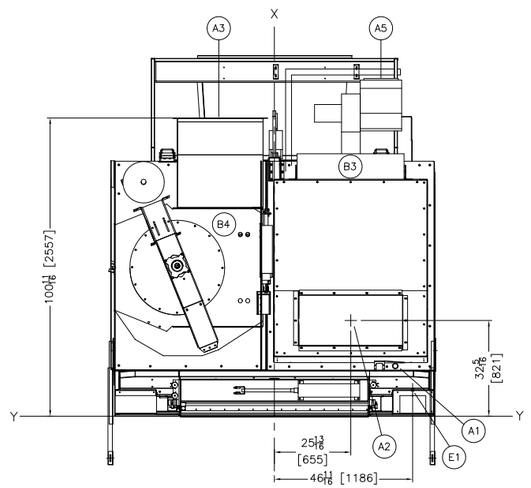
GAS CONSUMPTION:
MAXIMUM NATURAL GAS CONSUMPTION:
3,000,000 BTU/HR
(756,000 KCAL/HR)
AVERAGE NATURAL GAS CONSUMPTION:
2,400,000 BTU/HR
(605,000 KCAL/HR)
GAS PRESSURE REQUIREMENTS:
18" W.C. AT EACH MACHINE
CONNECTION: 2" NPT
BURNER RATING: 3M BTU/HR MAX FLAME

AIR:
85–110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER
CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

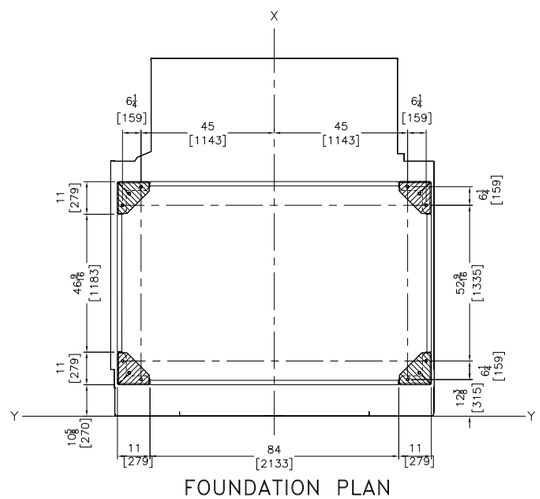
MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
14,000 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 32"[813] DIA.

COMBUSTION AIR:
COMBUSTION AIR BLOWER: 715 SCFM
FIRE BOX: 900 SCFM
TOTAL AIR: 1615 SCFM

WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN
1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE



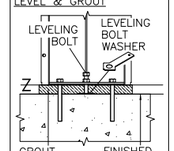
PLAN VIEW



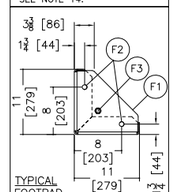
FOUNDATION PLAN

DETAILS:

LEVEL & GROUT

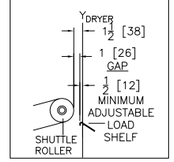


LEVEL WITH LEVELING BOLT TO "Z", GROUT AND ANCHOR ALL FOOTPADS. SEE NOTE 14.



TYPICAL FOOTPAD

LOADING INTERFACE



ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1–1/4" NPT
H2	5/16"[7] DIA. X 3/4"[19] SLOTS, 14 PLACES
H1	3/8"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
G2	GAS LINE VENT, 1/4" STAINLESS STEEL TUBING
G1	GAS INLET, 2" NPT CONNECTION
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
D5	OPTIONAL SHORT DISCHARGE SHROUD
D4	DISCHARGE SHROUD
D3	DISCHARGE DOOR
D2	LOAD DOOR
D1	LOAD HEIGHT, ADJUSTABLE LOAD SHELF
B4	BLOWER MOTOR
B3	BURNER
B2	SHIPPING BRACKET ONLY
B1	OPTIONAL DRYER MOUNTED FESTOON RAIL SUPPORT
A5	COMBUSTION AIR INTAKE BOX WITH FILTERS
A4	AIR VALVE BOX
A3	BLOWER EXHAUST, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION, 1"NPT

NOTES

14 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE "Z" (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

13 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

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11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO TWO MAJOR COMPONENTS FOR SHIPPING, THE BASE AND THE FRAME. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

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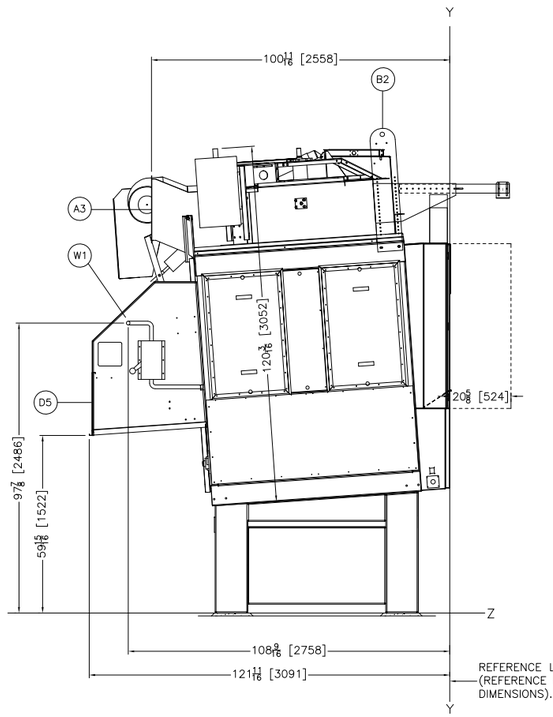
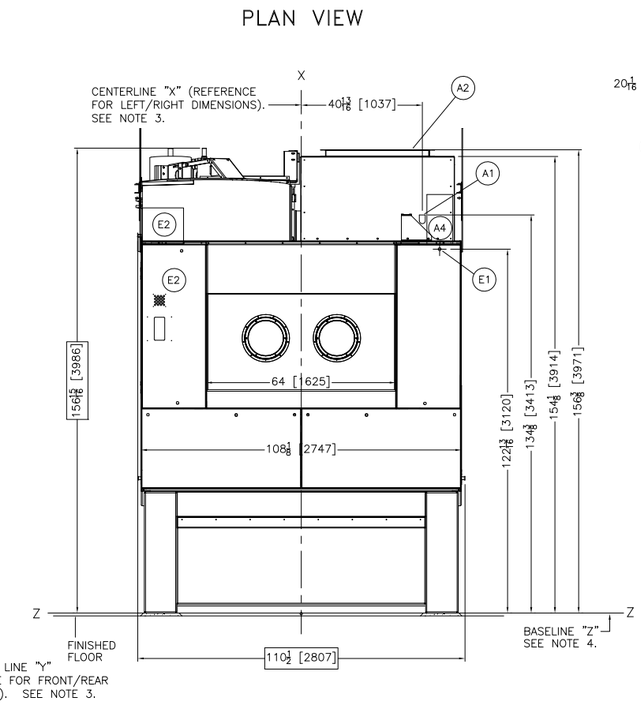
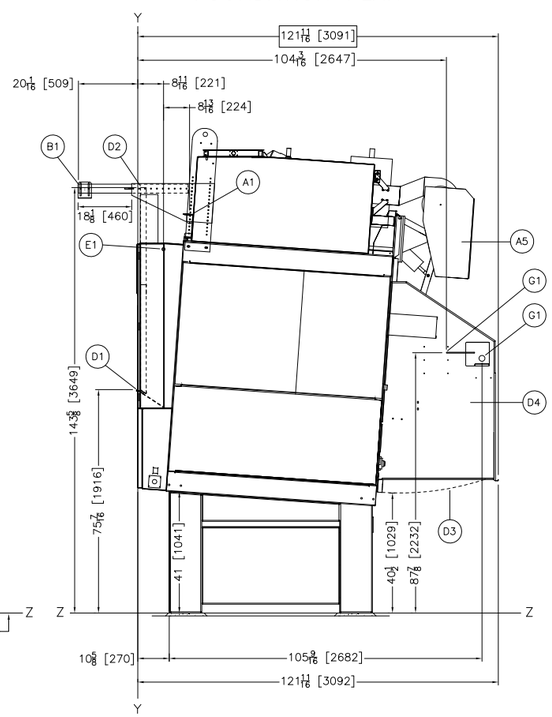


LEFT VIEW



FRONT VIEW



RIGHT VIEW

72072TG1L DRYER

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272TLCE 2014116D

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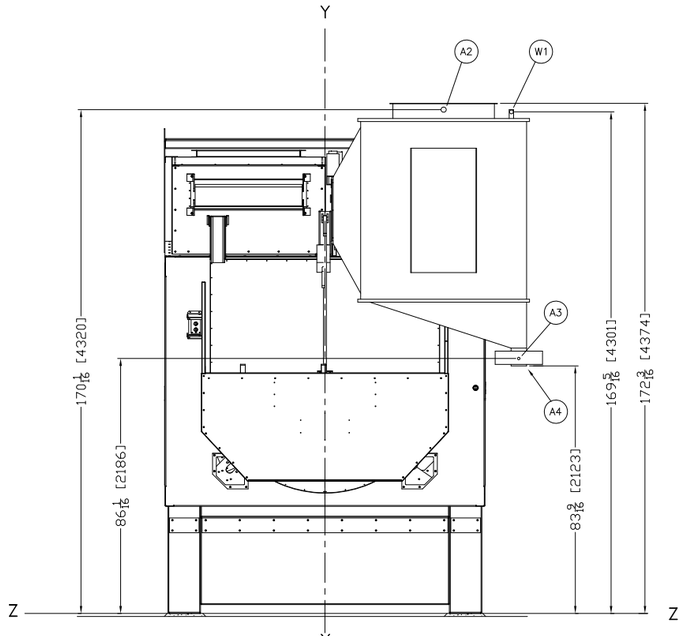
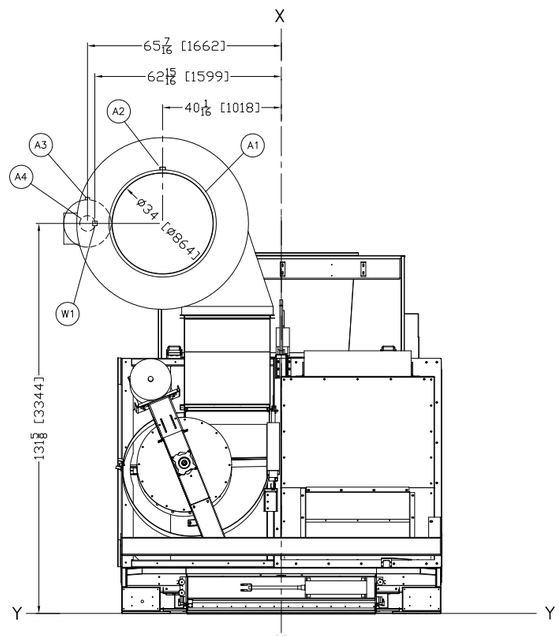
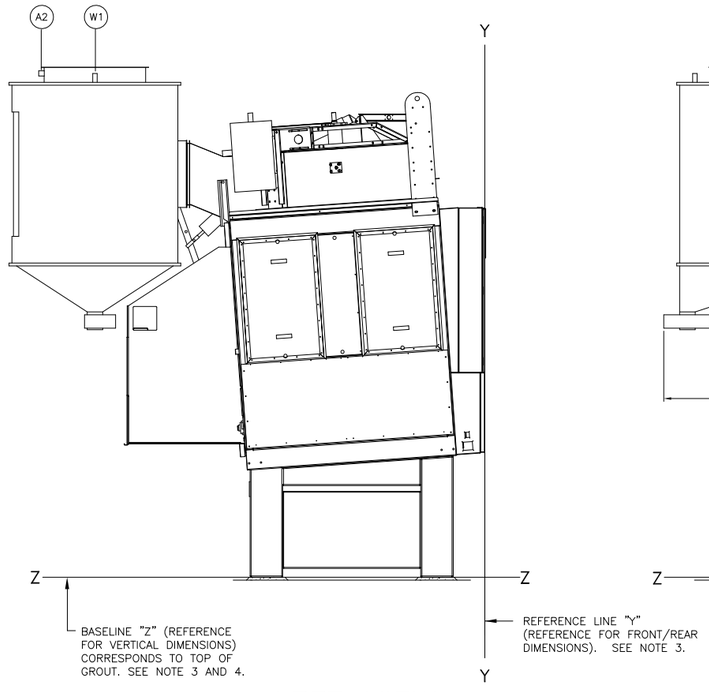


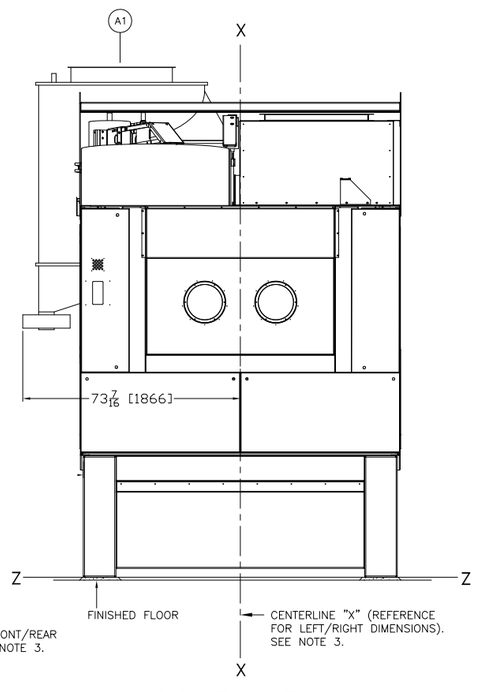
REAR VIEW



PLAN VIEW



LEFT VIEW



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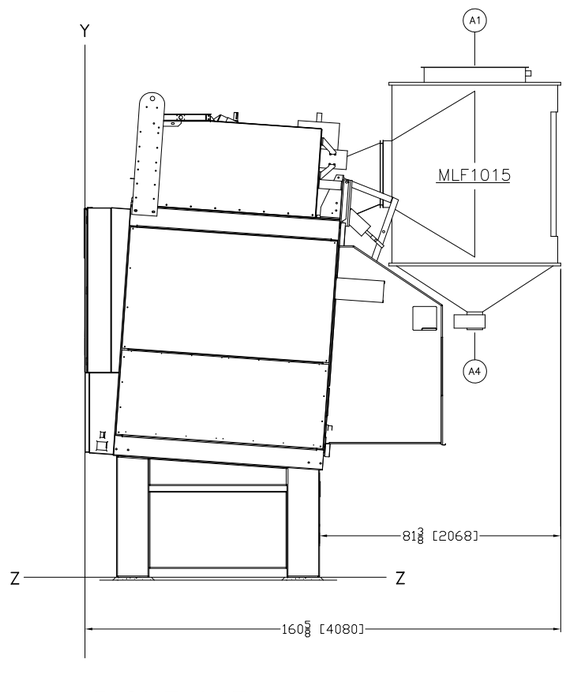
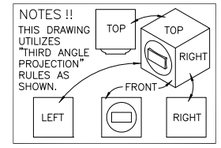


RIGHT VIEW



W1	SPRINKLER WATER, 3/4" FNPT CONNECTION
A4	LINT OUTLET TO VACUUM, 6" PVC PIPE CONNECTION
A3	VALVE ACTUATION, 3/8" AIR CONNECTION
A2	LINT STRIPPER, 1" FNPT AIR CONNECTION
A1	BLOWER EXHAUST OUTLET FOR DRYER WITH MLF1015, 34" FLANGED DUCT CONNECTION

ITEM LEGEND

NOTES

8 THIS DRAWING SHOWS THE 72072TG1L DRYER WITH A 40-1/2"[1029] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

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4 BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

ATTENTION

THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS OPERATION. WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

7272TG1L WITH MLF1015 OPTION

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272TLCB 2013125D

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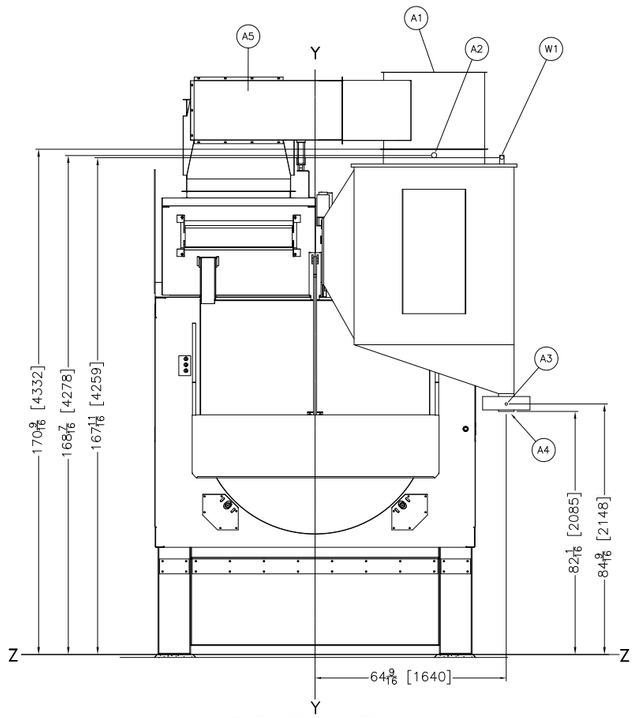
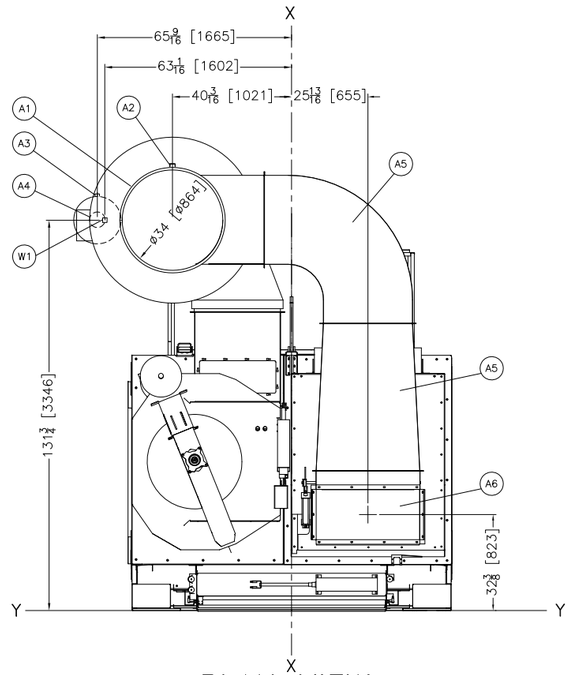
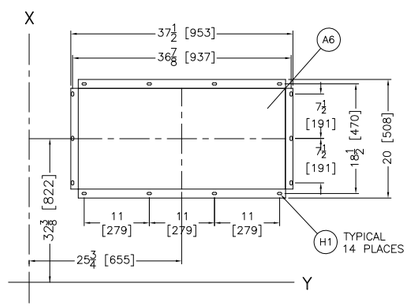
FAX 504/469-1849, Email: milnorinfo@milnor.com



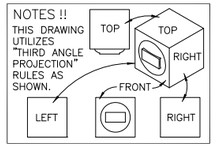
REAR VIEW



PLAN VIEW



RECIRCULATION BLOWER INTAKE DUCT DETAIL



ITEM	LEGEND
W1	SPRINKLER WATER, 3/4" FNPT CONNECTION
H1	3/8" DIAMETER X 3/4" SLOTS. 14 PLACES
A6	AIR INTAKE DUCT
A5	RECIRCULATION DUCT
A4	LINT OUTLET TO VACUUM, 6" PVC PIPE CONNECTION
A3	VALVE ACTUATION, 3/8" AIR CONNECTION
A2	LINT STRIPPER, 1" FNPT AIR CONNECTION
A1	BLOWER EXHAUST OUTLET FOR DRYER WITH MLF1015, 34"[864] FLANGED DUCT CONNECTION

NOTES

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500 SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

12 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458] SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO THREE MAJOR COMPONENTS FOR SHIPPING, THE BASE, THE FRAME & THE RECIRCULATION DUCTING. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT THE MACHINE THROUGH AN OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 THIS DRAWING SHOWS THE 72072TG1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
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4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.

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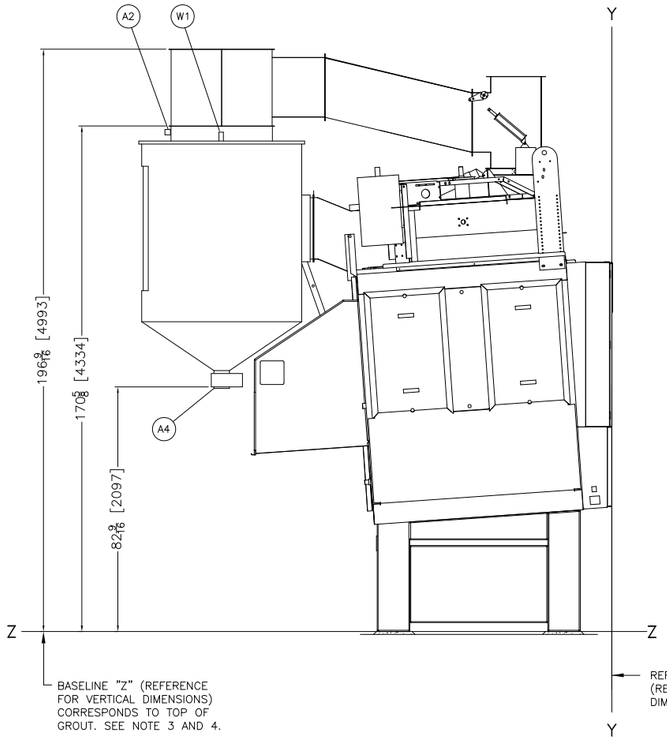
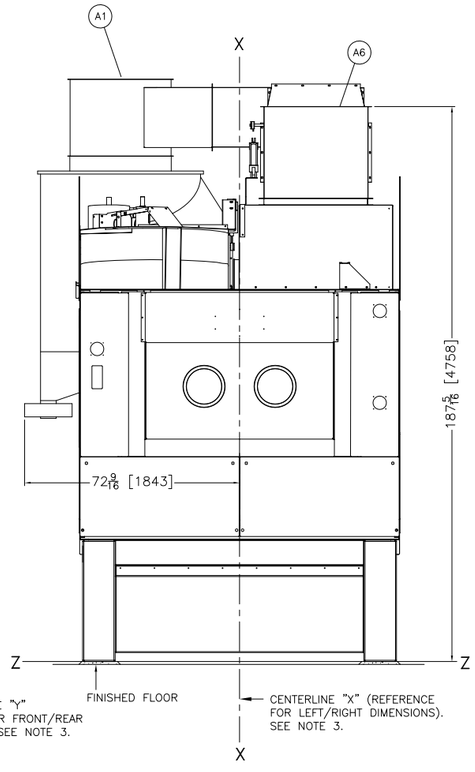
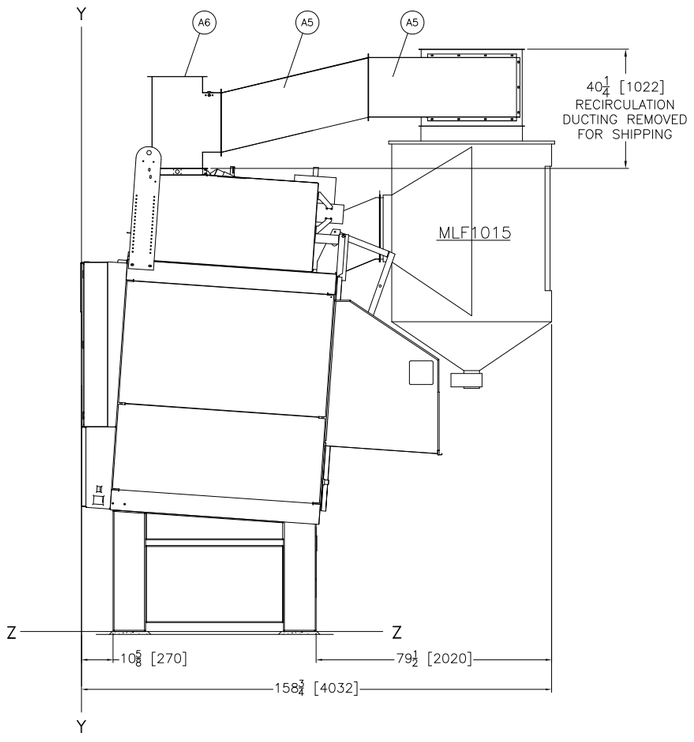


LEFT VIEW



FRONT VIEW



RIGHT VIEW

7272TG1L RECIRC + MLF1015

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272TLCC 2013125D

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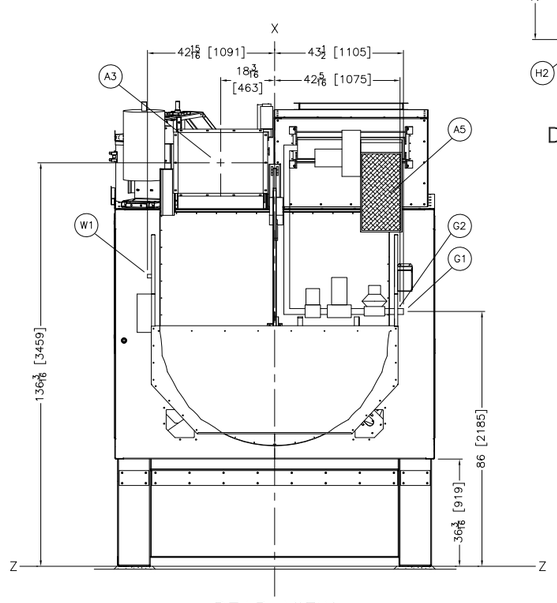
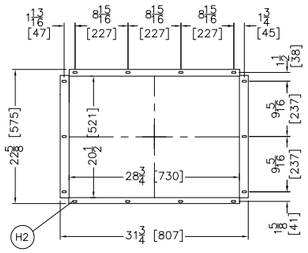
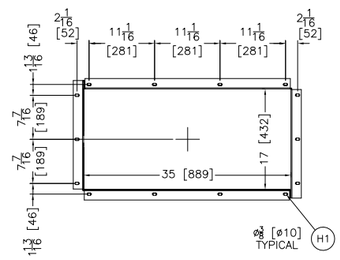
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.



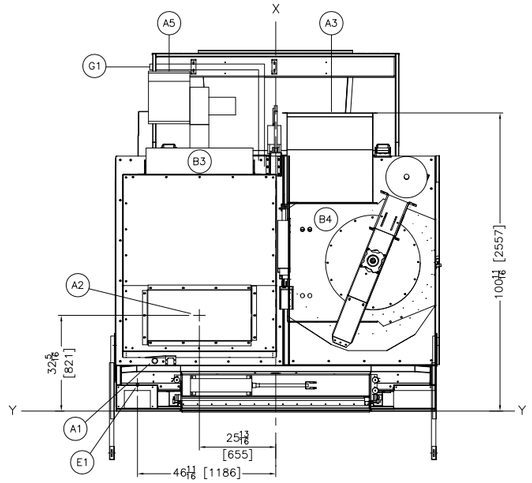
REAR VIEW



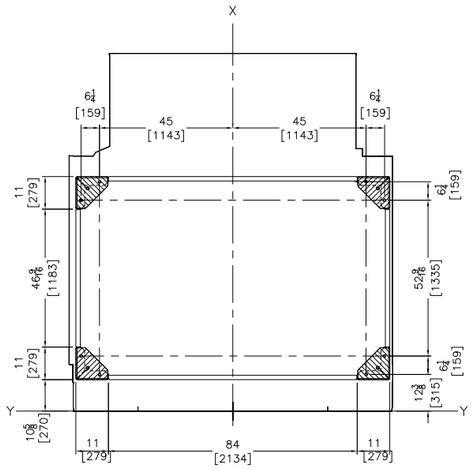
BLOWER EXHAUST
DUCT DETAIL– REAR



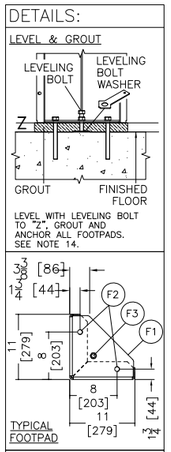
BLOWER INTAKE
DUCT DETAIL– PLAN

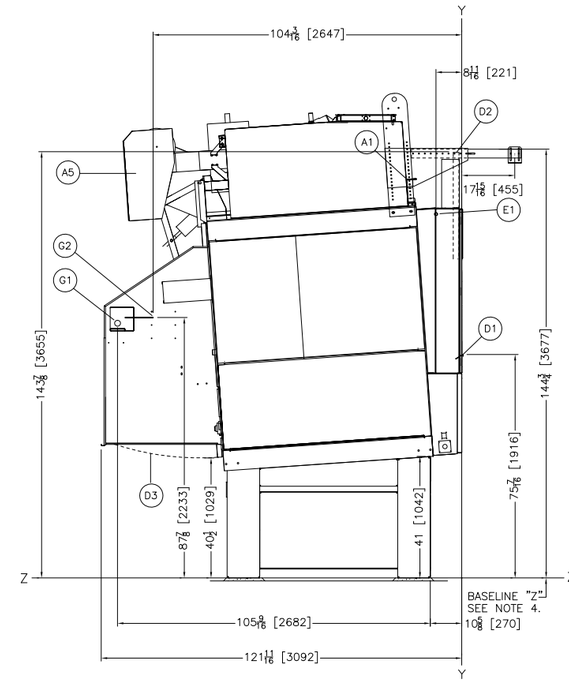


PLAN VIEW

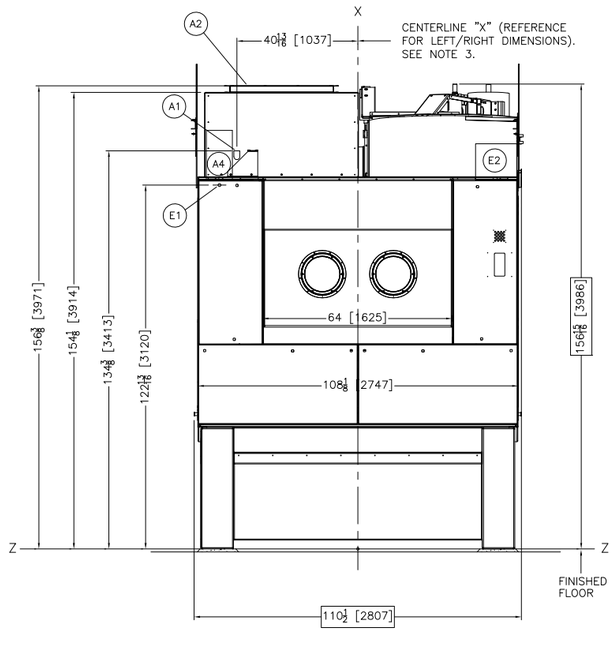


FOUNDATION PLAN

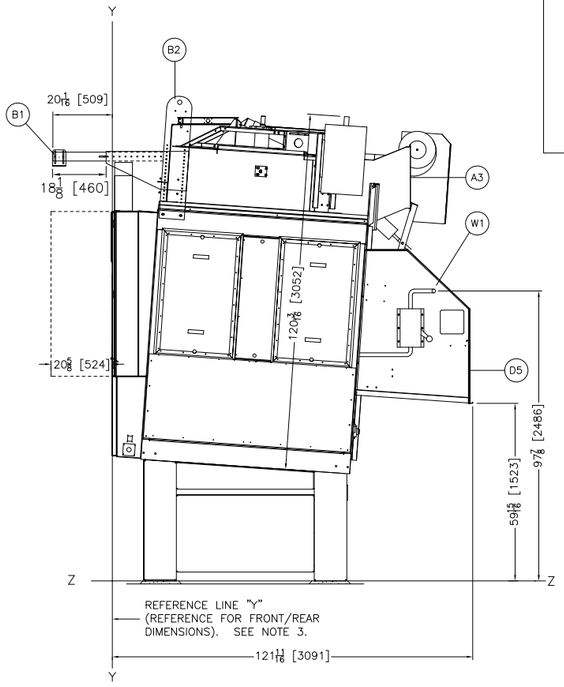




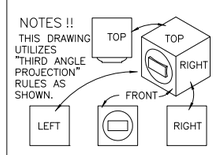
LEFT VIEW



FRONT VIEW



RIGHT VIEW



GAS CONSUMPTION:
MAXIMUM NATURAL GAS CONSUMPTION:
3,000,000 BTU/HR
(756,000 KCAL/HR)
AVERAGE NATURAL GAS CONSUMPTION:
2,400,000 BTU/HR
(605,000 KCAL/HR)
GAS PRESSURE REQUIREMENTS:
18" W.C. AT EACH MACHINE
CONNECTION: 2" NPT
BURNER RATING: 3M BTU/HR MAX FLAME

AIR:
85–110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
14,000 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 32"[813] DIA.

COMBUSTION AIR:
COMBUSTION AIR BLOWER: 715 SCFM
FIRE BOX: 900 SCFM
TOTAL AIR: 1615 SCFM

WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE

ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1–1/4" NPT
H2	5/16"[7] DIA. X 3/4"[19] SLOTS, 14 PLACES
H1	3/8"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
G2	GAS LINE VENT, 1/4" STAINLESS STEEL TUBING
G1	GAS INLET, 2" NPT CONNECTION
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
D5	OPTIONAL SHORT DISCHARGE SHROUD
D4	DISCHARGE SHROUD
D3	DISCHARGE DOOR
D2	LOAD DOOR
D1	LOAD HEIGHT, ADJUSTABLE LOAD SHELF
B4	BLOWER MOTOR
B3	BURNER
B2	SHIPPING BRACKET ONLY
B1	OPTIONAL DRYER MOUNTED FESTOON RAIL SUPPORT
A5	COMBUSTION AIR INTAKE BOX WITH FILTERS
A4	AIR VALVE BOX
A3	BLOWER EXHAUST, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION, 1"NPT

NOTES

14 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE 'Z' (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

13 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

12 THIS DRAWING SHOWS THE 72072TG1L DRYER WITH A 40–1/2"[1029] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/–)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
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72072TG1R DRYER

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272TRCE 2014116D

PELLERIN MILNOR CORPORATION
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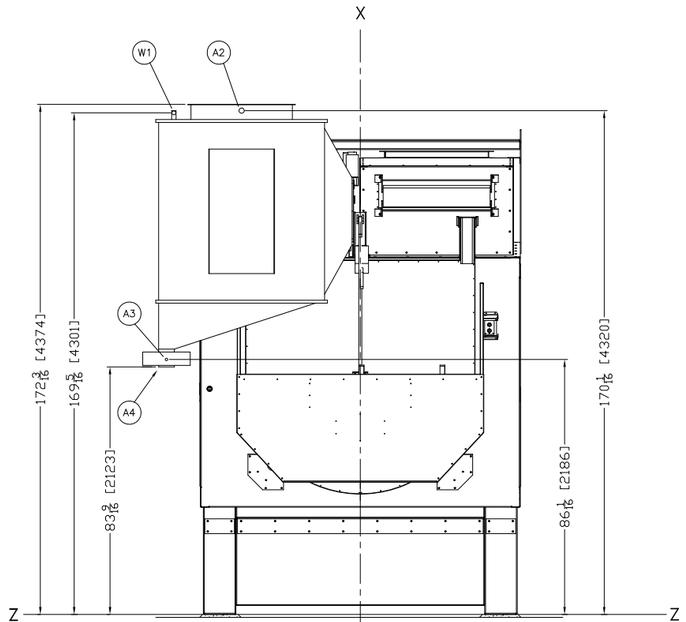
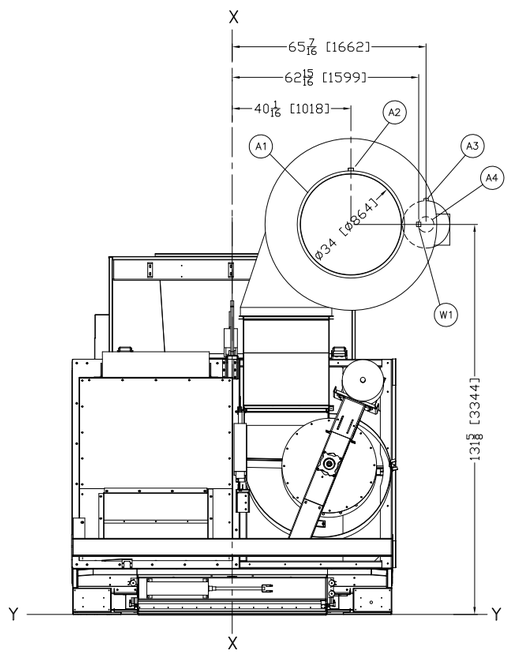
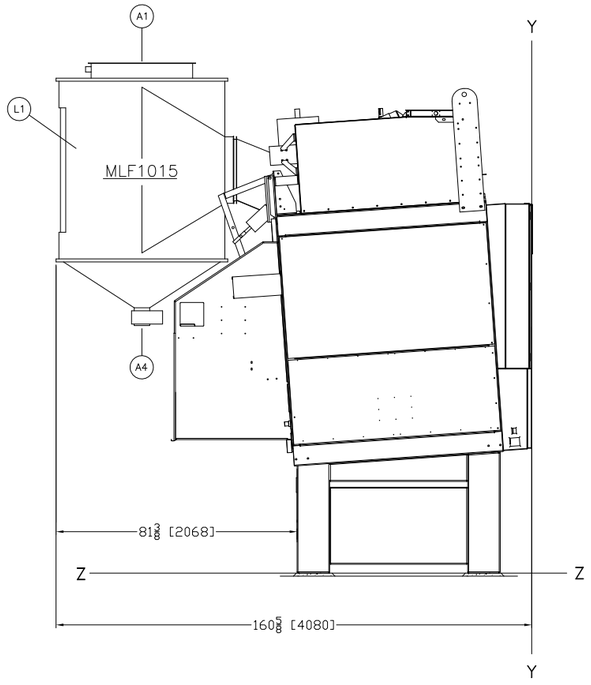


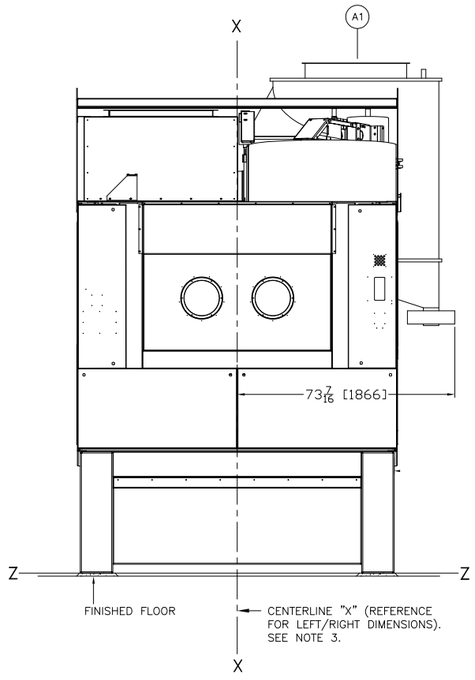
REAR VIEW



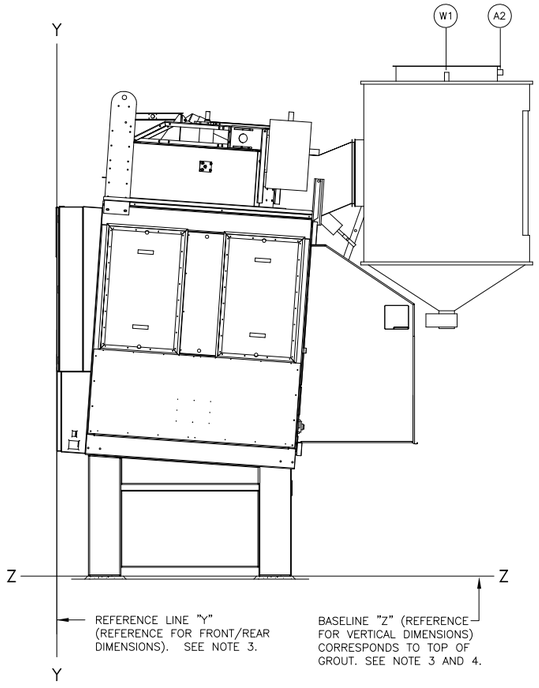
PLAN VIEW



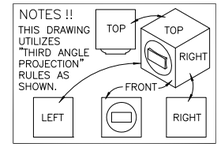
LEFT VIEW



FRONT VIEW



RIGHT VIEW



W1	SPRINKLER WATER, 3/4" FNPT CONNECTION
L1	OPTIONAL MLF1015 LINT FILTER (LINT FILTER SUPPORTS
	BY OTHERS.)
A4	LINT OUTLET TO VACUUM, 6" PVC PIPE CONNECTION
A3	VALVE ACTUATION, 3/8" AIR CONNECTION
A2	LINT STRIPPER, 1" FNPT AIR CONNECTION
A1	BLOWER EXHAUST OUTLET FOR DRYER WITH MLF1015,
	34" FLANGED DUCT CONNECTION
ITEM	LEGEND

NOTES

8 THIS DRAWING SHOWS THE 72072TG1L DRYER WITH A 40-1/2"[1029] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10, FRONT.

7 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

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CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

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3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

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ATTENTION

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ATTENTION

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7272TG1R WITH MLF1015 OPTION

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272TRCB 2013125D

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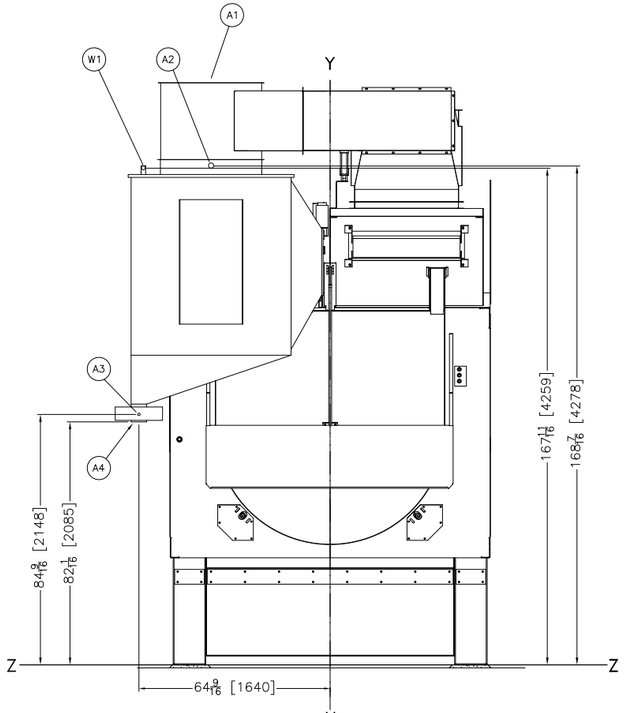
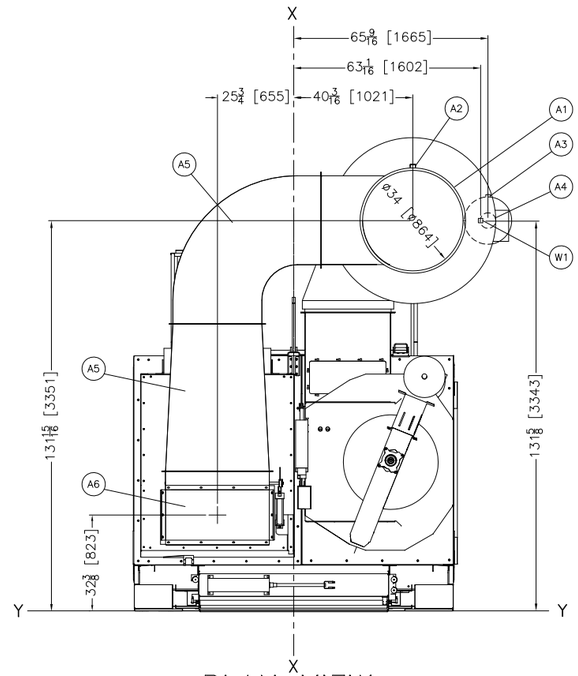
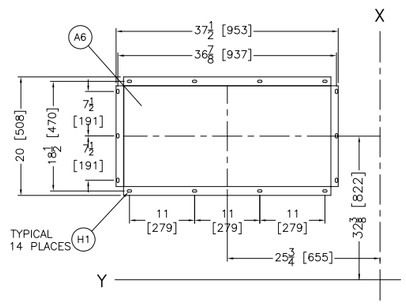
FAX 504/469-1849, Email: milnorinfo@milnor.com



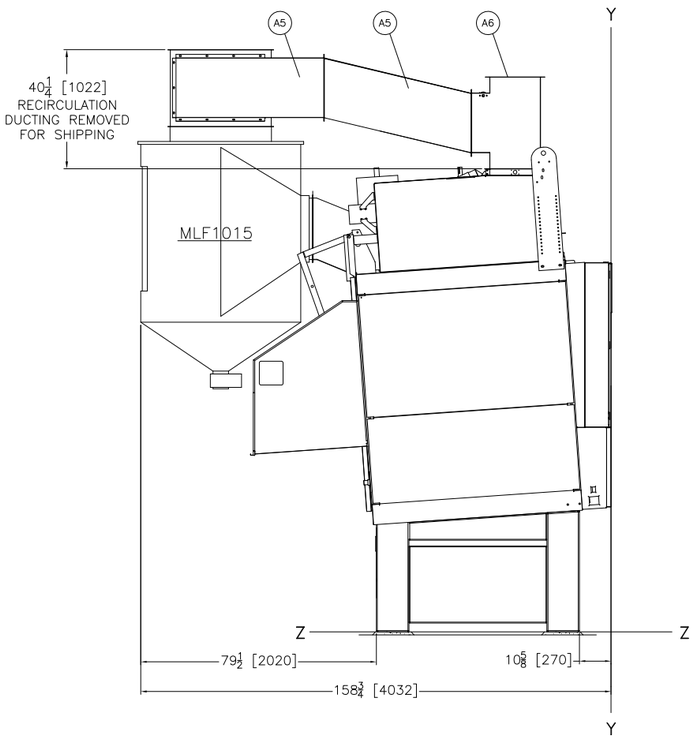
REAR VIEW



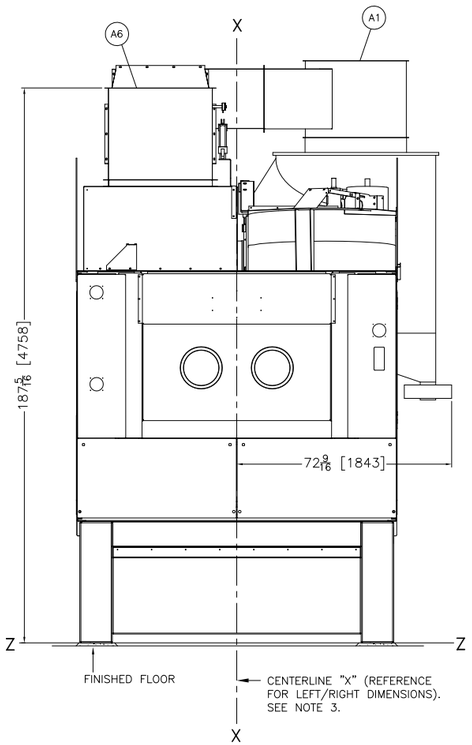
PLAN VIEW



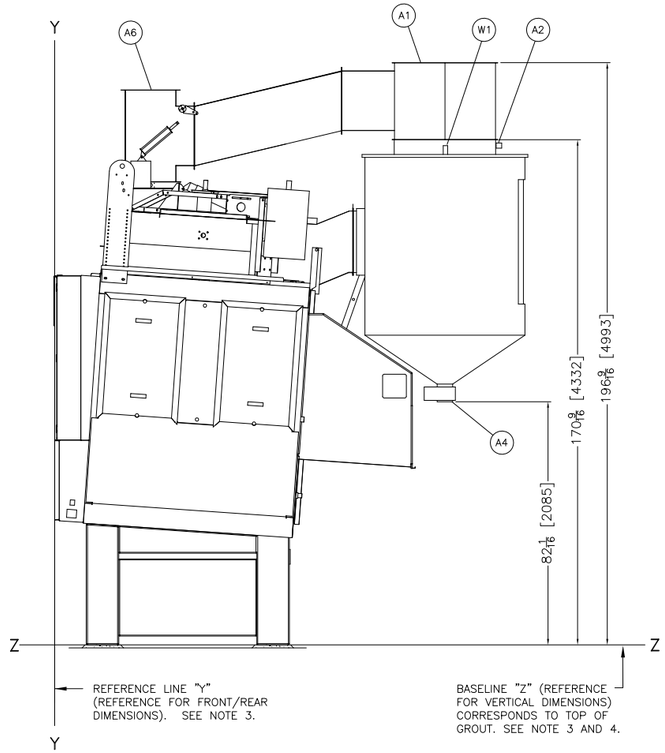
RECIRCULATION BLOWER INTAKE DUCT DETAIL



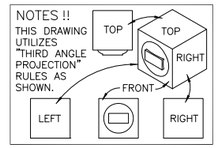
LEFT VIEW



FRONT VIEW



RIGHT VIEW



ITEM	LEGEND
	34"[864] FLANGED DUCT CONNECTION
A1	BLOWER EXHAUST OUTLET FOR DRYER WITH MLF1015,
A2	LINT STRIPPER, 1" FNPT AIR CONNECTION
A3	VALVE ACTUATION, 3/8" AIR CONNECTION
A4	LINT OUTLET TO VACUUM, 6" PVC PIPE CONNECTION
A5	RECIRCULATION DUCT
A6	AIR INTAKE DUCT
H1	3/8" DIAMETER X 3/4" SLOTS. 14 PLACES
W1	SPRINKLER WATER, 3/4" FNPT CONNECTION

NOTES

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500 SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

12 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO THREE MAJOR COMPONENTS FOR SHIPPING, THE BASE, THE FRAME & THE RECIRCULATION DUCTING. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT THE MACHINE THROUGH AN OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 THIS DRAWING SHOWS THE 72072TG1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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7272TG1R RECIRC + MLF1015

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272TRCC 2013125D

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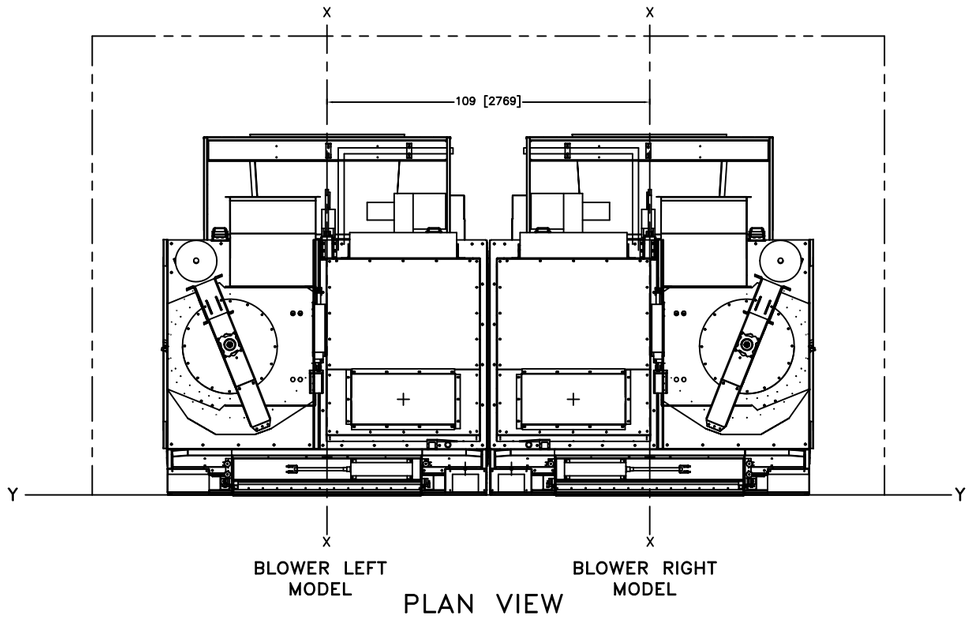
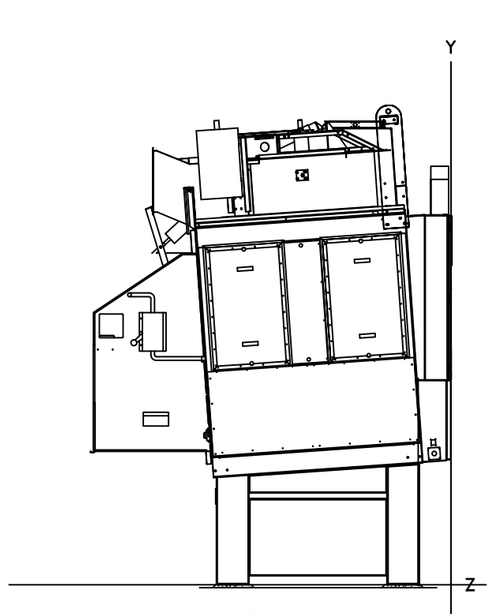
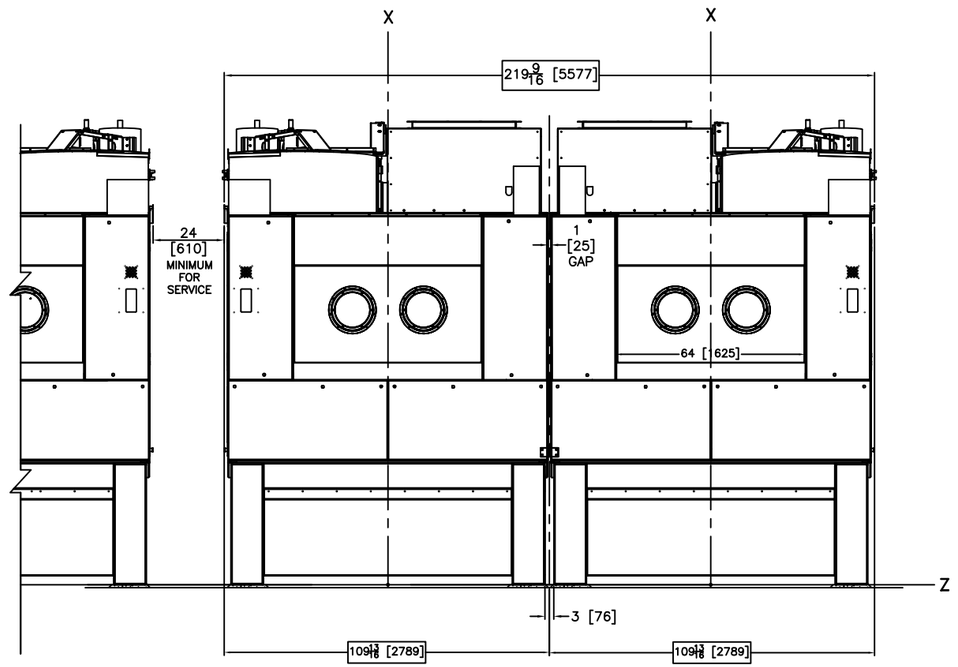


PLAN VIEW



TYPICAL
SERVICE SIDE
(BLOWER LEFT
MODEL SHOWN)



FRONT VIEW
MIRRORED INSTALLATION

NOTES

12 THIS DRAWING SHOWS THE 72072TG1L DRYER WITH A 40-1/2"[1029] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

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7272TG1L/TG1R PAIRED

DM .0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7272TPCE
2013125D

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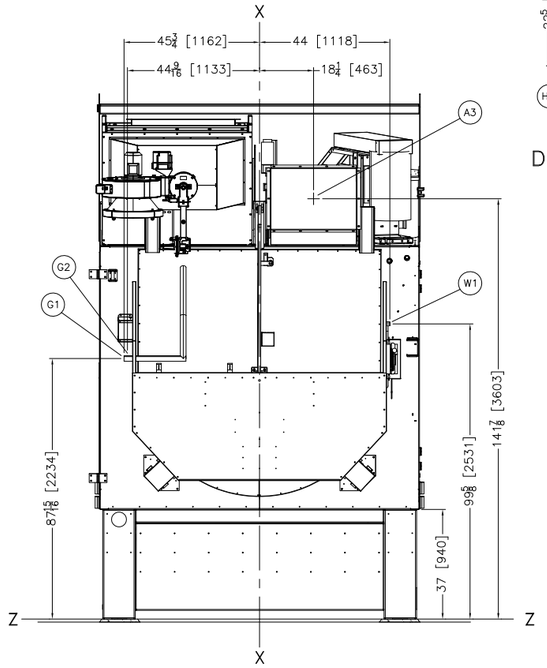
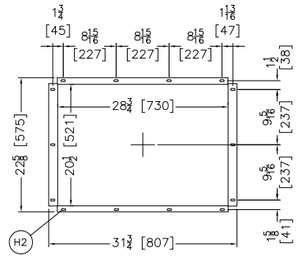
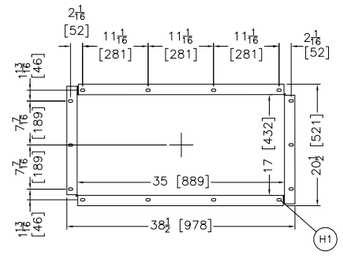


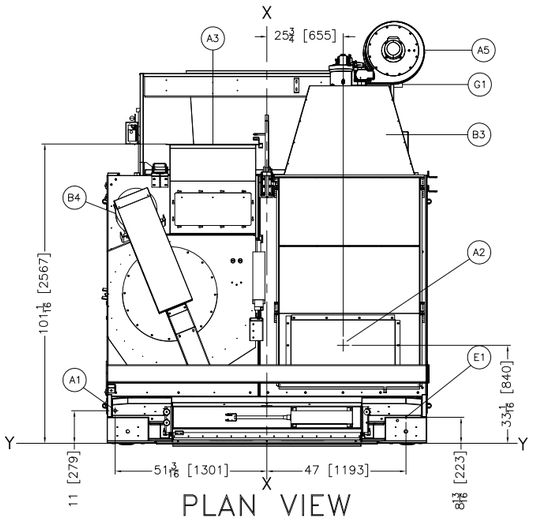
REAR VIEW



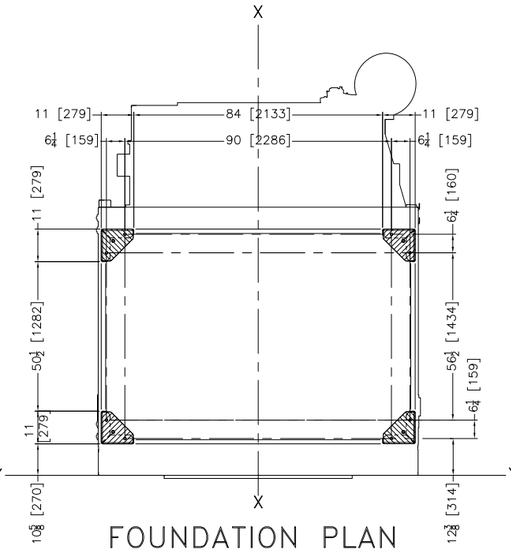
BLOWER EXHAUST DUCT DETAIL – REAR



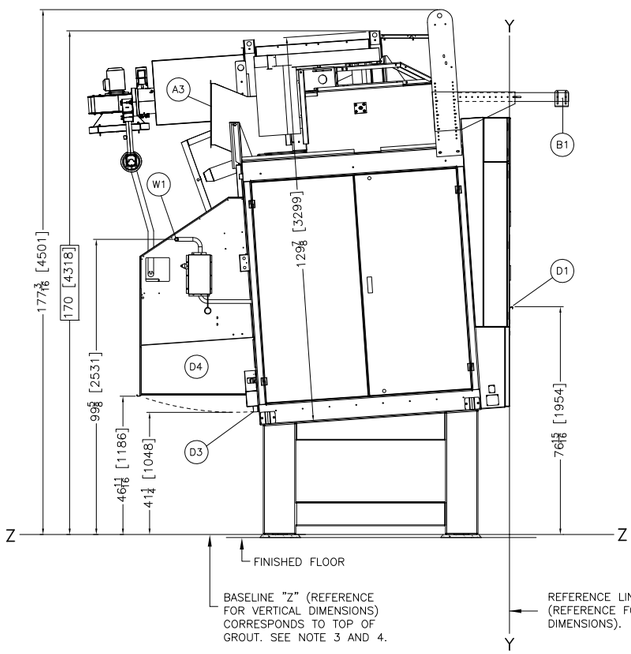
BLOWER INTAKE DUCT DETAIL– PLAN



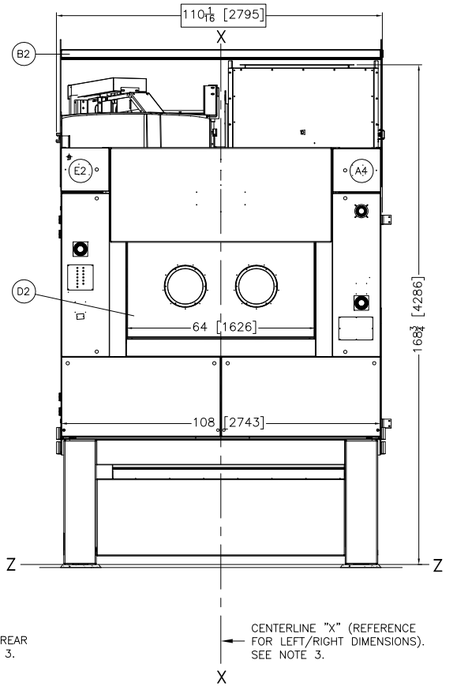
PLAN VIEW



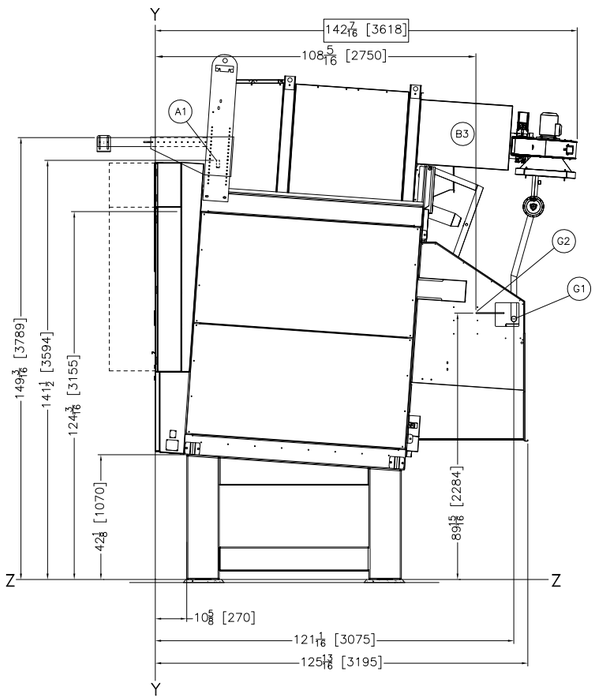
FOUNDATION PLAN



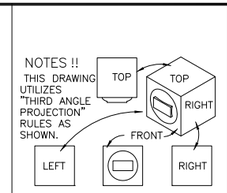
LEFT VIEW



FRONT VIEW



RIGHT VIEW



GAS CONSUMPTION:
MAXIMUM NATURAL GAS CONSUMPTION:
3,000,000 BTU/HR
(756,000 KCAL/HR)
AVERAGE NATURAL GAS CONSUMPTION:
2,400,000 BTU/HR
(605,000 KCAL/HR)
GAS PRESSURE REQUIREMENTS:
40" W.C. AT EACH MACHINE
CONNECTION: 2" NPT
BURNER RATING: 3M BTU/HR MAX FLAME

AIR:
85–110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
14,000 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 32"[813] DIA.

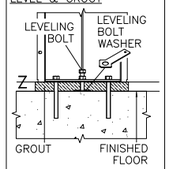
COMBUSTION AIR:
FIRE BOX: N/A
COMBUSTION AIR BLOWER: 600 SCFM
TOTAL AIR: 600 SCFM

WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE

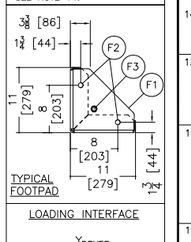
ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1–1/4" NPT
H2	5/16"[7] DIA. X 3/4"[19] SLOTS, 14 PLACES
H1	3/8"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
G2	GAS LINE VENT, 1/4" STAINLESS STEEL TUBING
G1	GAS INLET, 2" NPT CONNECTION
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
D4	DISCHARGE SHROUD
D3	DISCHARGE DOOR
D2	LOAD DOOR
D1	LOAD HEIGHT, ADJUSTABLE LOAD SHELF
B4	BLOWER MOTOR
B3	BURNER
B2	SHIPPING BRACKET ONLY
B1	OPTIONAL DRYER MOUNTED FESTOON RAIL SUPPORT
A5	COMBUSTION BLOWER
A4	AIR VALVE BOX
A3	BLOWER EXHAUST, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION, 1"NPT

DETAILS:

LEVEL & GROUT

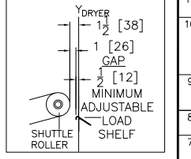


LEVEL WITH LEVELING BOLT TO "Z", GROUT AND ANCHOR ALL FOOTPADS. SEE NOTE 14.



TYPICAL FOOTPAD

LOADING INTERFACE



NOTES

14 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE 'Z' (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

13 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

12 THIS DRAWING SHOWS THE 76076TG1R DRYER WITH A 41–5/16"[1050] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/–)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO TWO MAJOR COMPONENTS FOR SHIPPING, THE BASE AND THE FRAME. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 **CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.**

4 **BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO** THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE–PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

ATTENTION

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76076TG1L DRYER

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7676TG1LAE
2014116D

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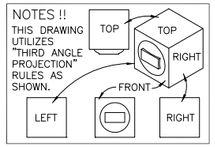
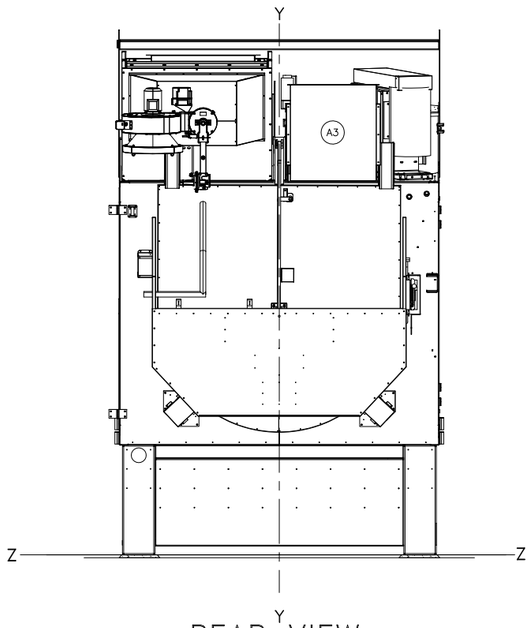
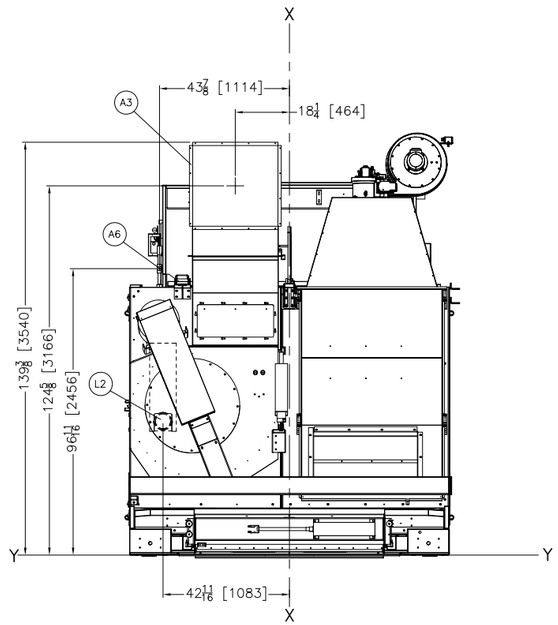
FAX 504/469–1849, Email: milnorinfo@milnor.com

NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.

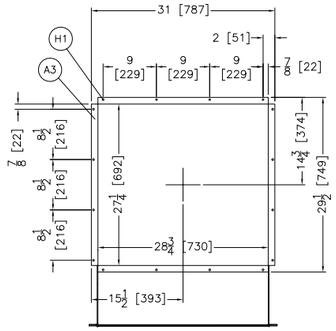




REAR VIEW



PLAN VIEW



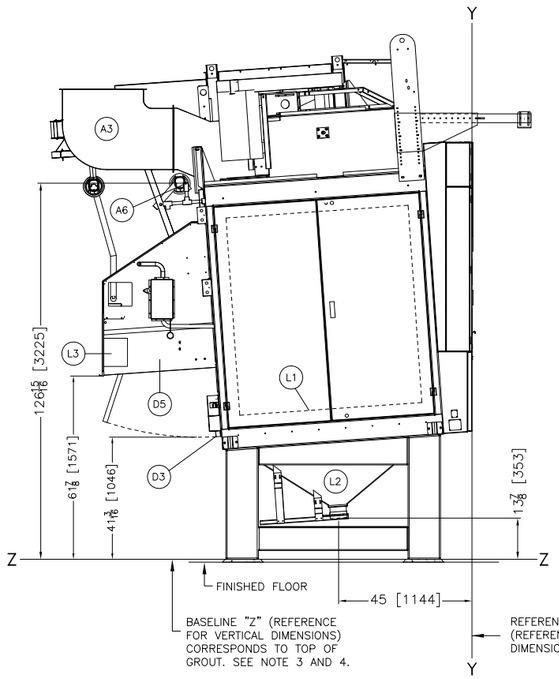
BLOWER EXHAUST DUCT UP OPTION

ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTES 9 & 12.)

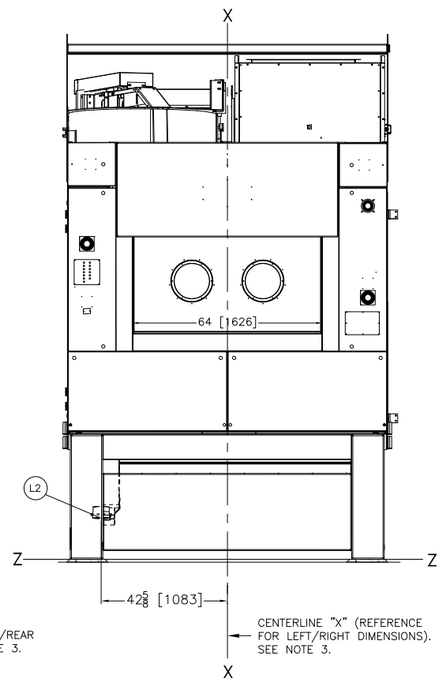
AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED

ITEM	LEGEND
L3	INTERNAL LINT SCREENS AIR VALVE BOX.
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL
	INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR
	LINT COLLECTOR BY OTHERS. SEE NOTES 9 & 10 AND
	DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
H1	BOLT HOLES, 5/16"[8] DIA., TYPICAL 32 PLACES
D6	OPTIONAL SHORT DISCHARGE SHROUD
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
A3	BLOWER EXHAUST DUCTING UP OPTION, SEE DETAIL.

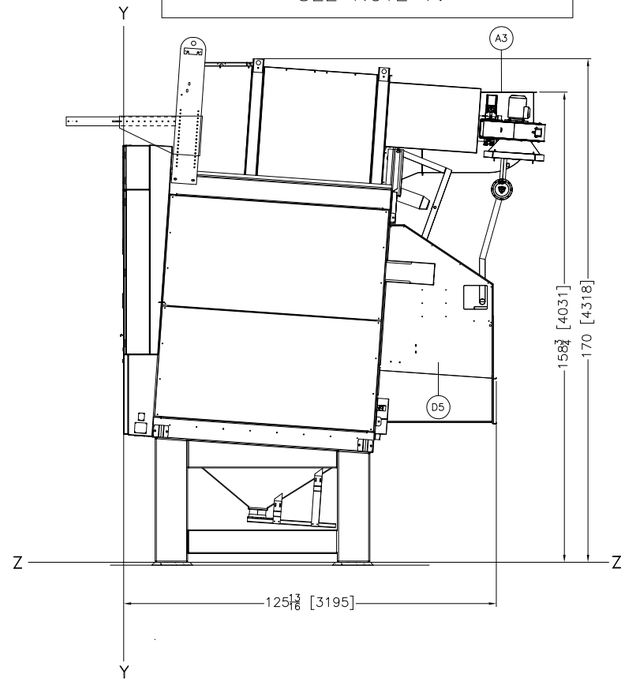
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS TO THE PEDESTAL SPECIFIED.
SEE NOTE 7.



LEFT VIEW



FRONT VIEW



RIGHT VIEW

NOTES

12 A WATER SEPARATOR (NOT SUPPLIED BY PMC) IS REQUIRED FOR THE INCOMING AIR TO THE INTERNAL LINT SYSTEM.

11 OPTIONAL INVERTER BOX MAY BE SPECIFIED FOR PEDESTAL MOUNT ON 48"[1219] (ZERO PEDESTAL PLUS 7"[178]) AND TALLER PEDESTALS ONLY.

10 OPTIONAL INTERNAL LINT SCREENS IS AVAILABLE FOR DRYERS WITH 41"[1041] AND TALLER PEDESTALS ONLY.

9 FOR OPTIONAL INTERNAL LINT FILTERS, IT IS RECOMMENDED TO HAVE A 60 GALLON COMPRESSED AIR BOOSTER TANK FOR EVERY 5 DRYERS.

8 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

7 THIS DRAWING SHOWS THE 7676TG1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

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ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

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7676TG1L OPTIONS–BLOWER LEFT

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7676TG1LAB
2013442D

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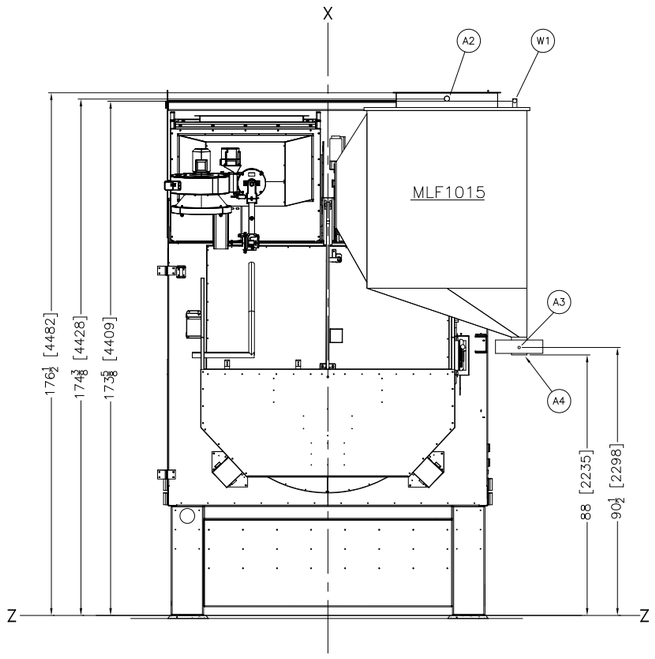
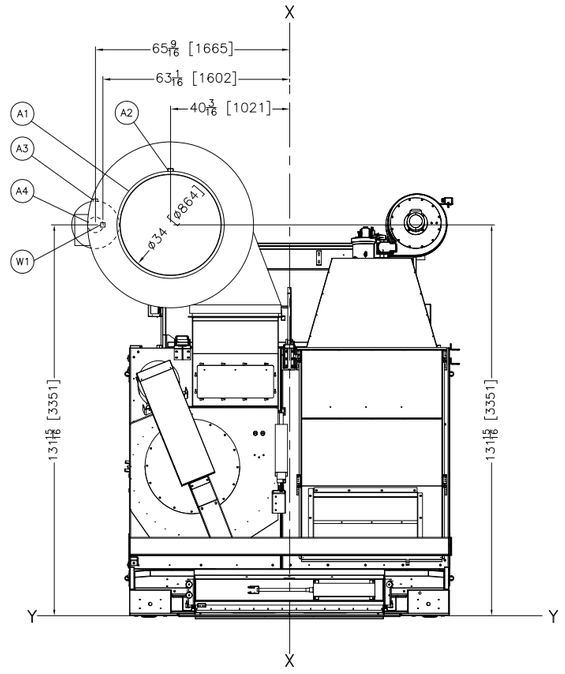
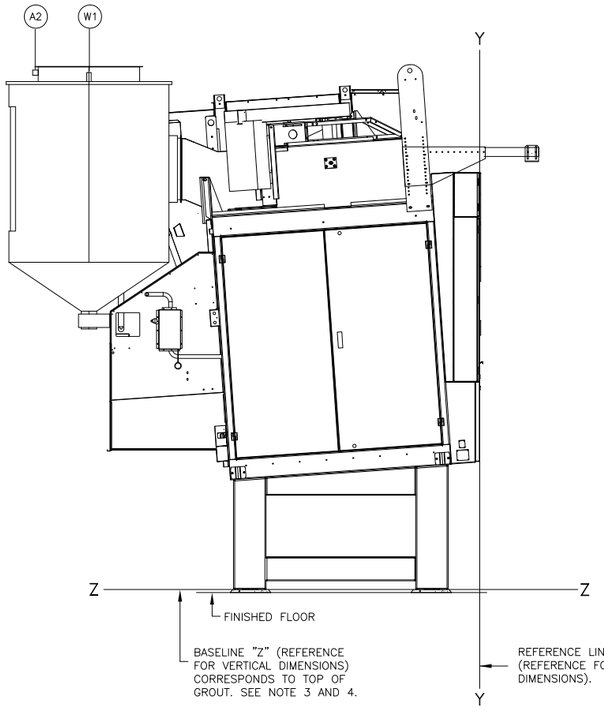
FAX 504/469-1849, Email: milnorinfo@milnor.com



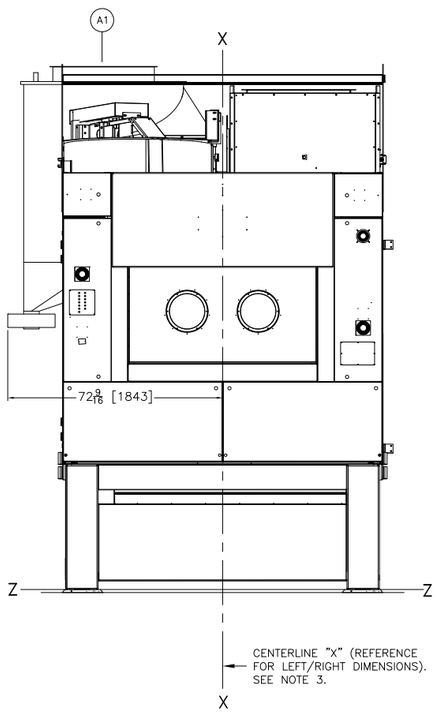
REAR VIEW



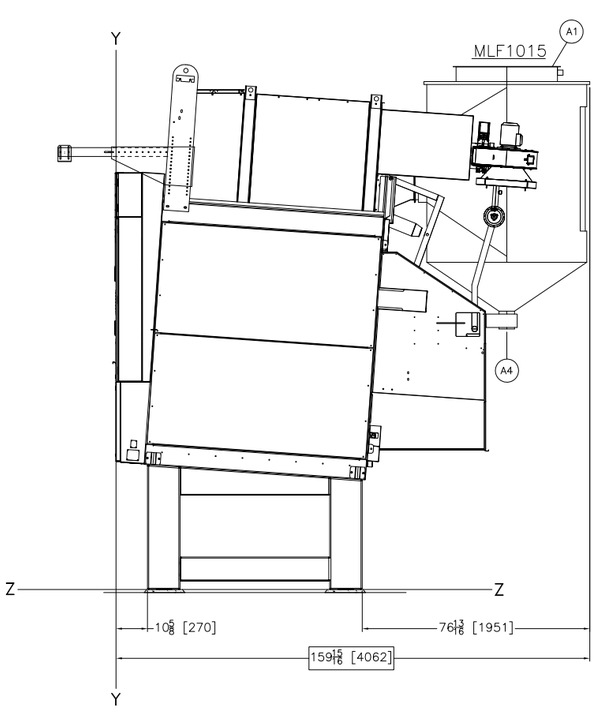
PLAN VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
A1	BLOWER EXHAUST OUTLET FOR DRYER WITH MLF1015, 34"[864] FLANGED DUCT CONNECTION
A2	LINT STRIPPER, 1" FNPT AIR CONNECTION
A3	VALVE ACTUATION, 3/8" AIR CONNECTION
A4	LINT OUTLET TO VACUUM, 6" PVC PIPE CONNECTION
W1	SPRINKLER WATER, 3/4" FNPT CONNECTION

NOTES

8 THIS DRAWING SHOWS THE 76076TG1R DRYER WITH A 41-5/16"[1050] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

7 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

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76076TG1L WITH MLF1015 OPTION

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7676TG1LAC
2013442D

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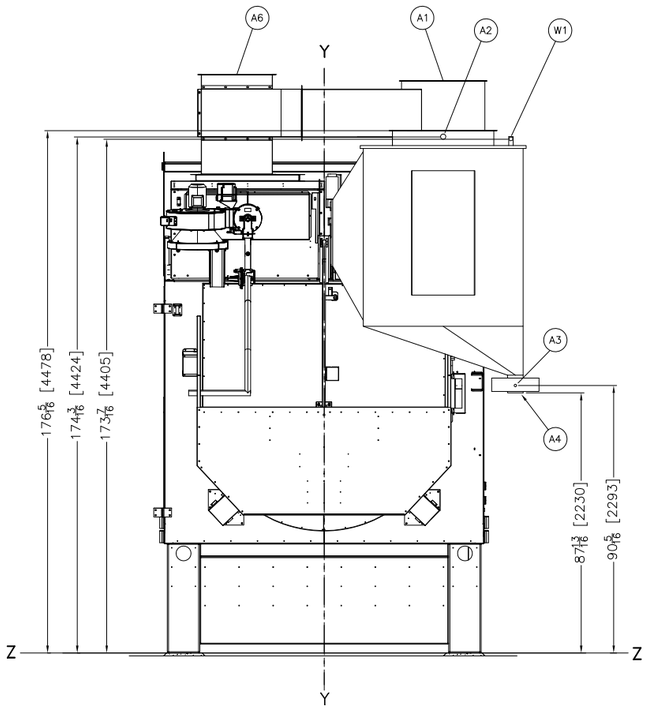
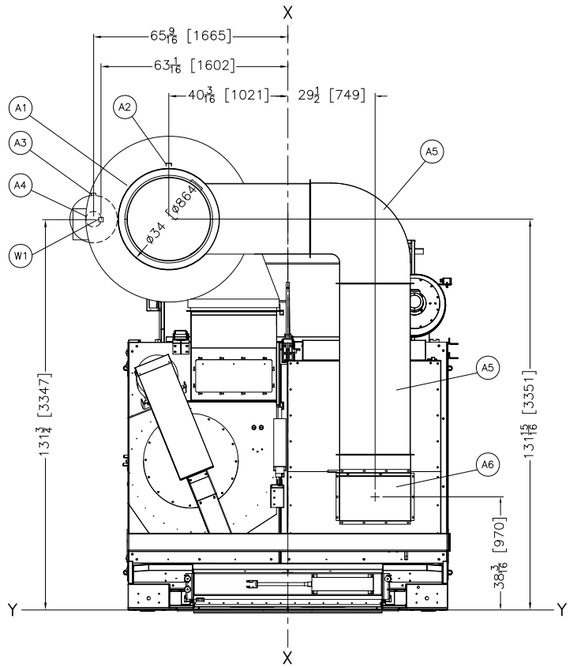
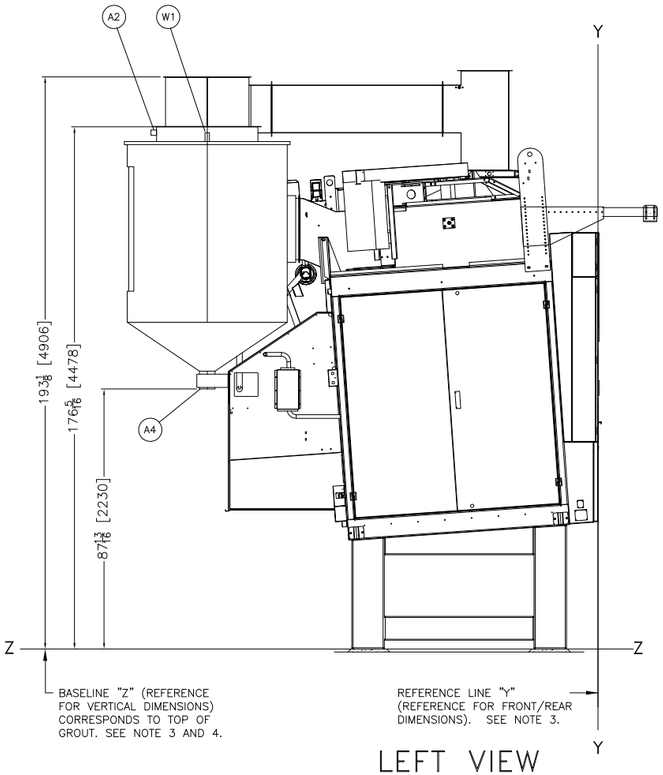


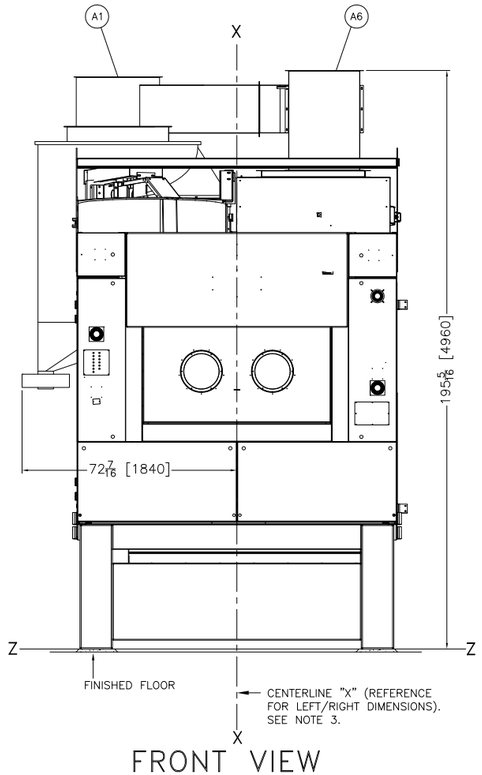
REAR VIEW



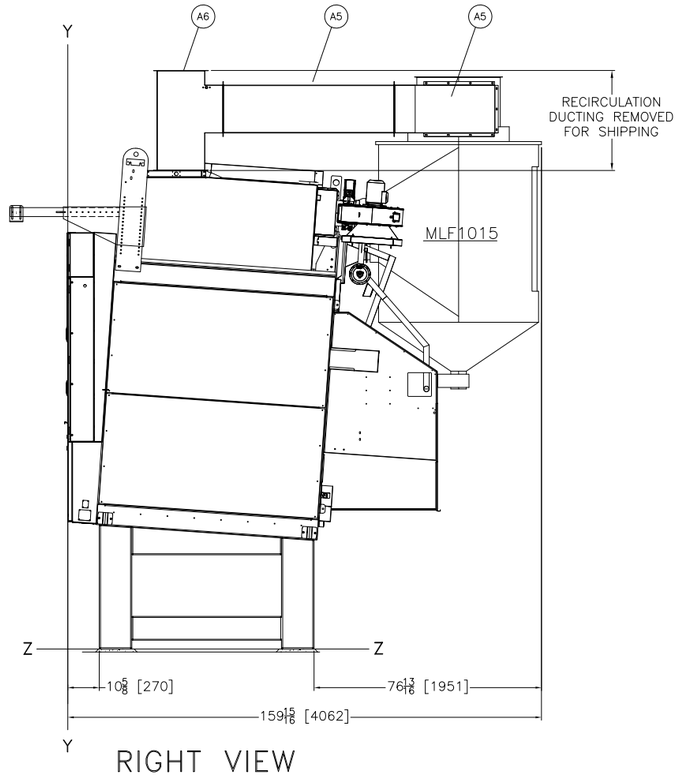
PLAN VIEW



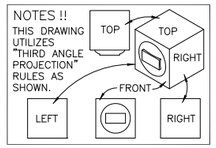
LEFT VIEW



FRONT VIEW



RIGHT VIEW



PRELIMINARY

ITEM	LEGEND
W1	SPRINKLER WATER, 3/4" FNPT CONNECTION
A6	AIR INTAKE DUCT
A5	RECIRCULATION DUCT
A4	LINT OUTLET TO VACUUM, 6" PVC PIPE CONNECTION
A3	VALVE ACTUATION, 3/8" AIR CONNECTION
A2	LINT STRIPPER, 1" FNPT AIR CONNECTION
A1	BLOWER EXHAUST OUTLET FOR DRYER WITH MLF1015, 34"[864] FLANGED DUCT CONNECTION

NOTES

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500 SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

12 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 THIS DRAWING SHOWS THE 76076TG1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
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42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

ATTENTION

THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS OPERATION. WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

76076TG1L RECIRC + MLF1015

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7676TG1LAD 2013125P

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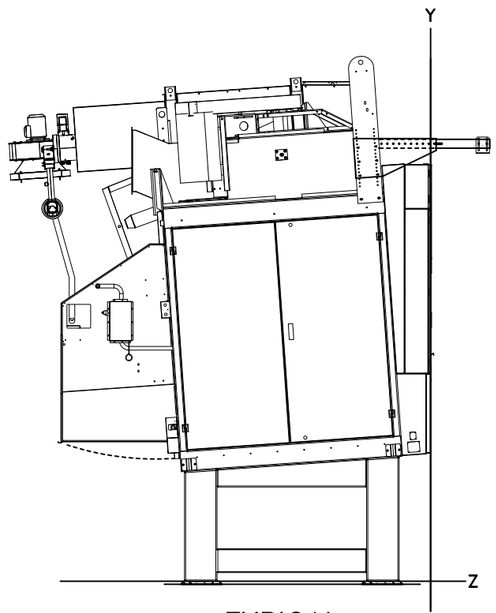
FAX 504/469-1849, Email: milnorinfo@milnor.com

BLOWER LEFT MODEL

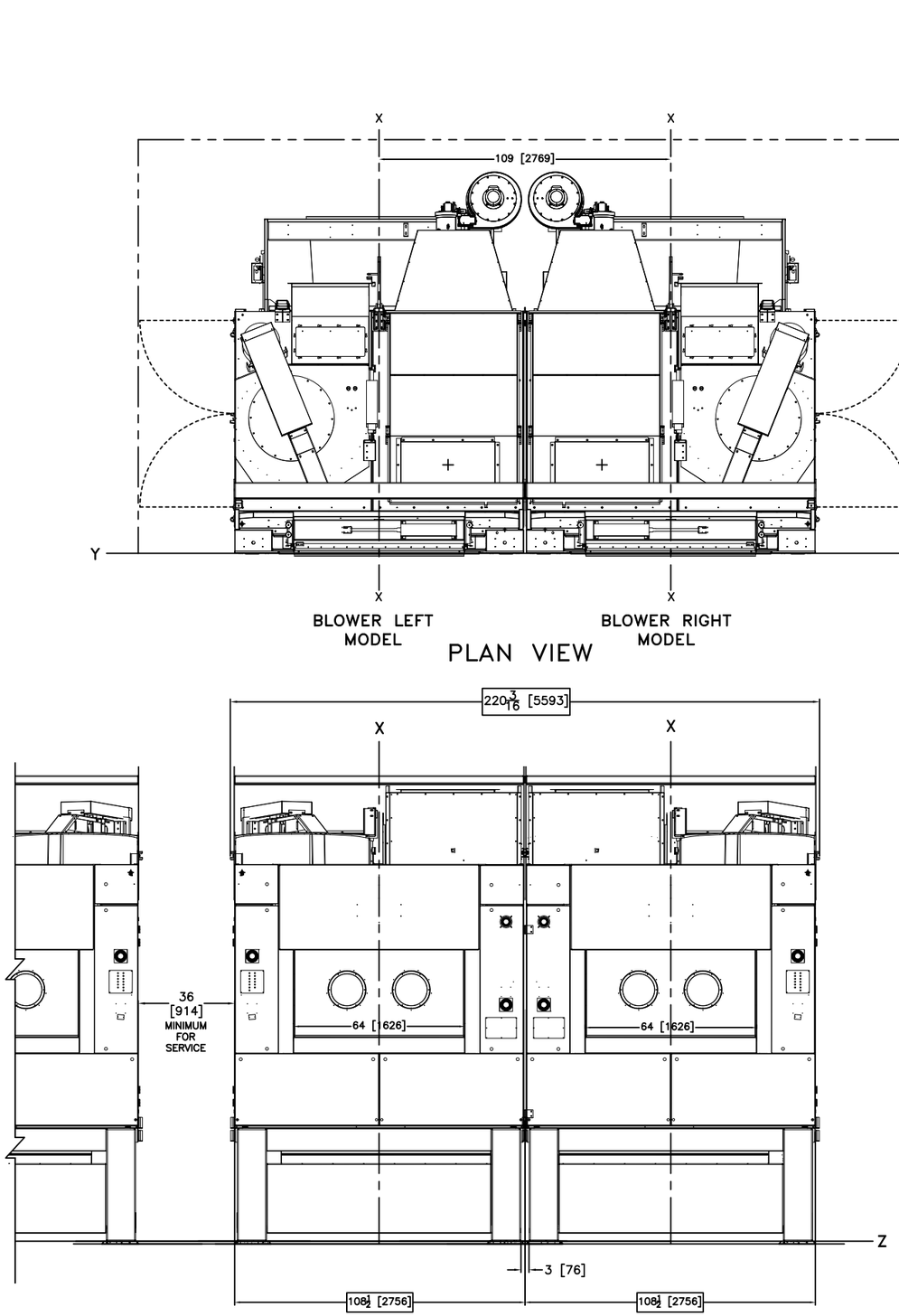
BLOWER RIGHT MODEL

PLAN VIEW



TYPICAL SERVICE SIDE

(BLOWER LEFT MODEL SHOWN)



FRONT VIEW
MIRRORED INSTALLATION

NOTES

12 THIS DRAWING SHOWS THE 76076TG1 DRYER WITH A 41-5/16"[1050] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

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CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

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4 BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

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ATTENTION

THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS OPERATION. WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

7676TG1L/TG1R PAIRED

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7676TG1PAE
2013442D

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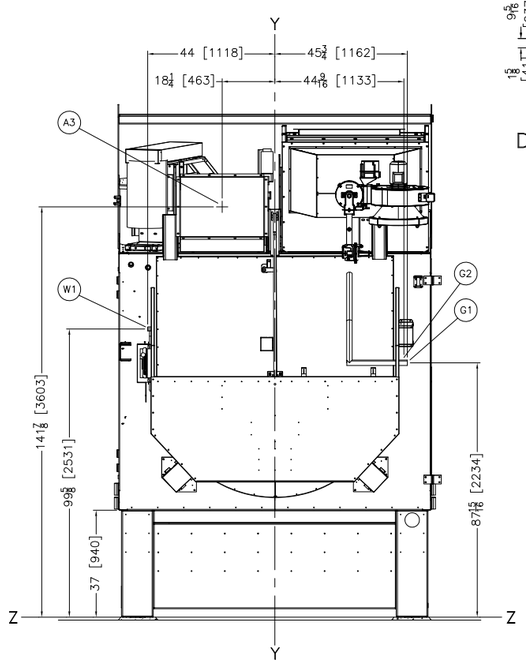
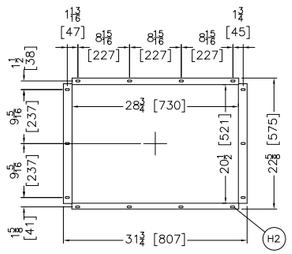
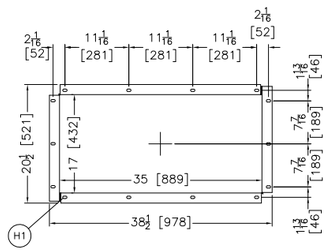


REAR VIEW



BLOWER EXHAUST
DUCT DETAIL – REAR



BLOWER INTAKE
DUCT DETAIL– PLAN

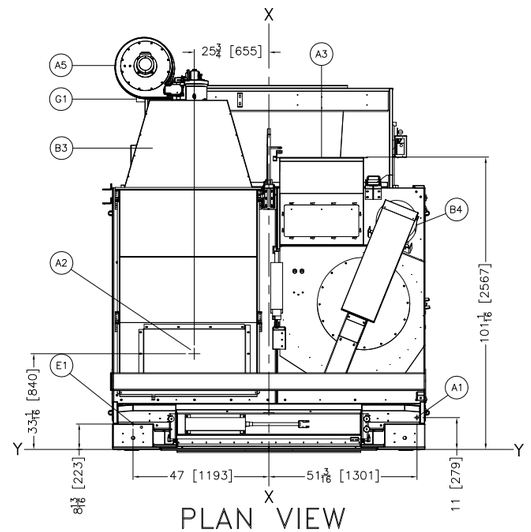
GAS CONSUMPTION:
MAXIMUM NATURAL GAS CONSUMPTION:
3,000,000 BTU/HR
(756,000 KCAL/HR)
AVERAGE NATURAL GAS CONSUMPTION:
2,400,000 BTU/HR
(605,000 KCAL/HR)
GAS PRESSURE REQUIREMENTS:
40" W.C. AT EACH MACHINE
CONNECTION: 2" NPT
BURNER RATING: 3M BTU/HR MAX FLAME

AIR:
85–110 PSI
CONNECTION: 1" NPT
AIR USAGE (ESTIMATED) AVERAGE PER DRYER CYCLE: 1.5 CFM
PEAK CONSUMPTION: 31.25 SCFM IN 15 SEC.

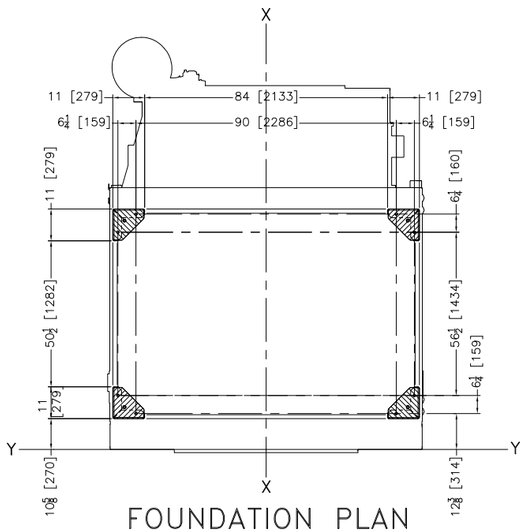
MAIN BLOWER AIR:
BLOWER DISCHARGE (AIR FLOW):
14,000 SCFM
RECOMMENDED DUCT SIZE (INLET & OUTLET): 32"[813] DIA.

COMBUSTION AIR:
FIRE BOX: N/A
COMBUSTION AIR BLOWER: 600 SCFM
TOTAL AIR: 600 SCFM

WATER:
SPRINKLER REQUIREMENTS: 1.25" NPT, RUN 1.25" DIAMETER PIPE MINIMUM
PRESSURE: 60 USG PER MINUTE



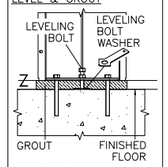
PLAN VIEW



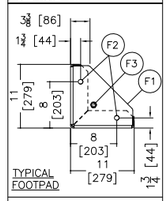
FOUNDATION PLAN

DETAILS:

LEVEL & GROUT

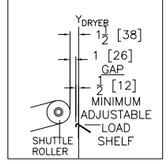


LEVEL WITH LEVELING BOLT TO "Z", GROUT AND ANCHOR ALL FOOTPADS. SEE NOTE 14.



TYPICAL FOOTPAD

LOADING INTERFACE



ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1–1/4" NPT
H2	5/16"[7] DIA. X 3/4"[19] SLOTS, 14 PLACES
H1	3/8"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
G2	GAS LINE VENT, 1/4" STAINLESS STEEL TUBING
G1	GAS INLET, 2" NPT CONNECTION
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
D4	DISCHARGE SHROUD
D3	DISCHARGE DOOR
D2	LOAD DOOR
D1	LOAD HEIGHT, ADJUSTABLE LOAD SHELF
B4	BLOWER MOTOR
B3	BURNER
B2	SHIPPING BRACKET ONLY
B1	OPTIONAL DRYER MOUNTED FESTOON RAIL SUPPORT
A5	COMBUSTION BLOWER
A4	AIR VALVE BOX
A3	BLOWER EXHAUST, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION, 1"NPT

NOTES

14 DRYER FOOT SUPPORT PLATES ARE WELDED TO THE BOTTOM OF PEDESTAL LEGS TO ALLOW A GREATER GROUTING SURFACE BETWEEN PEDESTAL LEGS AND FINISHED FLOOR. USE LEVELING BOLTS TO LEVEL THE DRYER TO BASELINE "Z" (COINCIDES WITH BOTTOM OF LEGS.) DRYER FEET MUST BE GROUTED & ANCHORED TO FLOOR.

13 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

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DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/–)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

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8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 CONTROL PANEL FOR DRYER MAY BE INSTALLED IN ANY CONVENIENT LOCATION. CONTROL CABLE FROM DRYER TO PANEL IS SUPPLIED BY MILNOR AND PRICED SEPARATELY.

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ATTENTION

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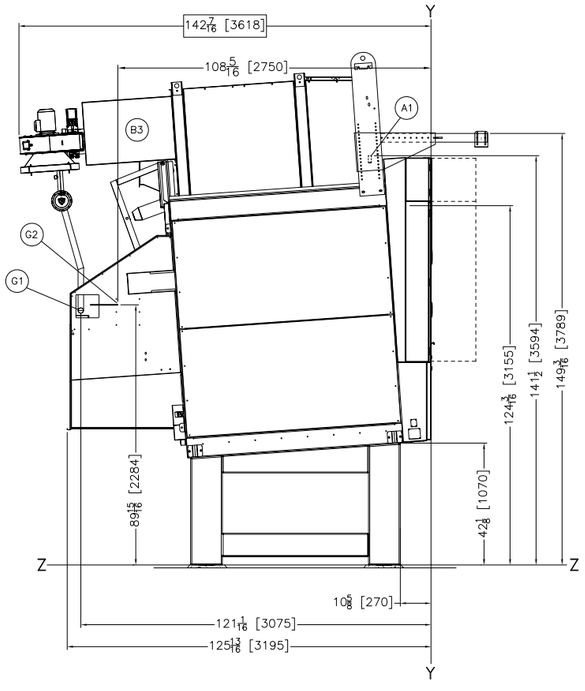
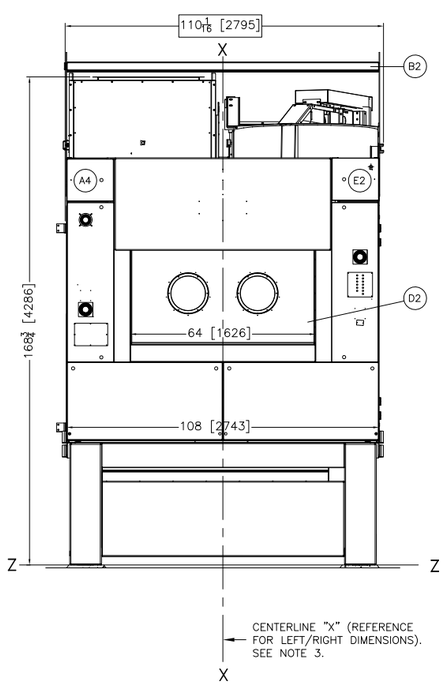
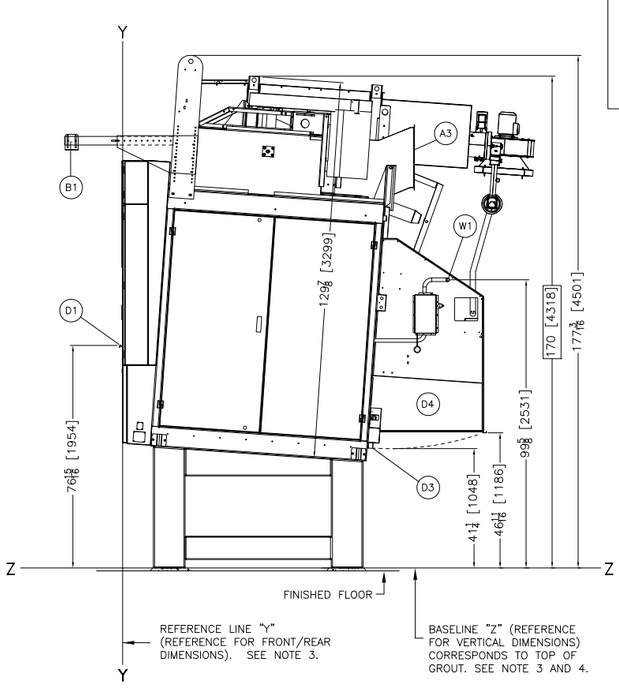


LEFT VIEW



CENTERLINE "X" (REFERENCE FOR LEFT/RIGHT DIMENSIONS). SEE NOTE 3.

FRONT VIEW



REFERENCE LINE "Y" (REFERENCE FOR FRONT/REAR DIMENSIONS). SEE NOTE 3.

BASELINE "Z" (REFERENCE FOR VERTICAL DIMENSIONS) CORRESPONDS TO TOP OF GROUT. SEE NOTE 3 AND 4.

RIGHT VIEW

76076TG1R DRYER

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7676TG1RAE
2014116D

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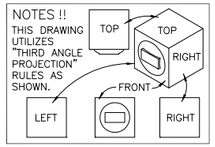
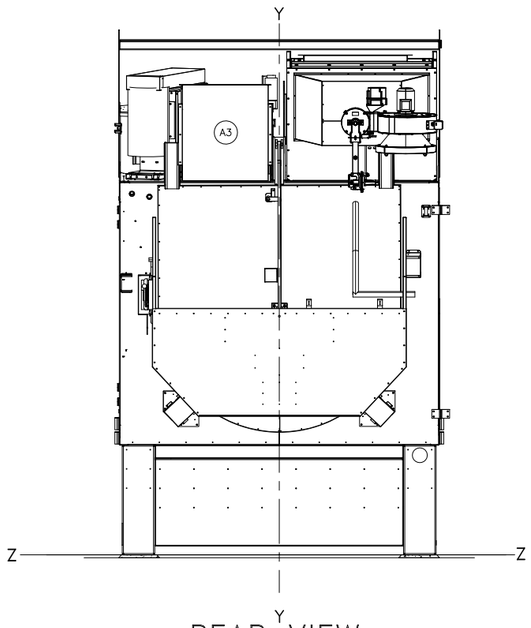
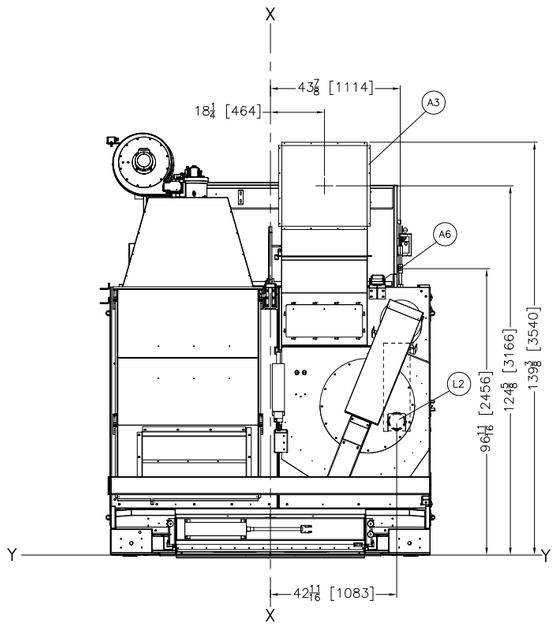
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467–9591,
FAX 504/469–1849, Email: milnorinfo@milnor.com

NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.

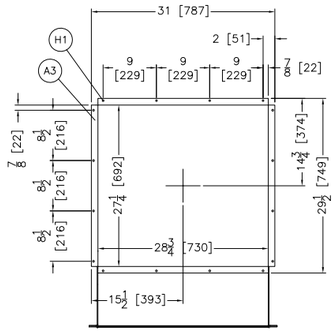




REAR VIEW



PLAN VIEW



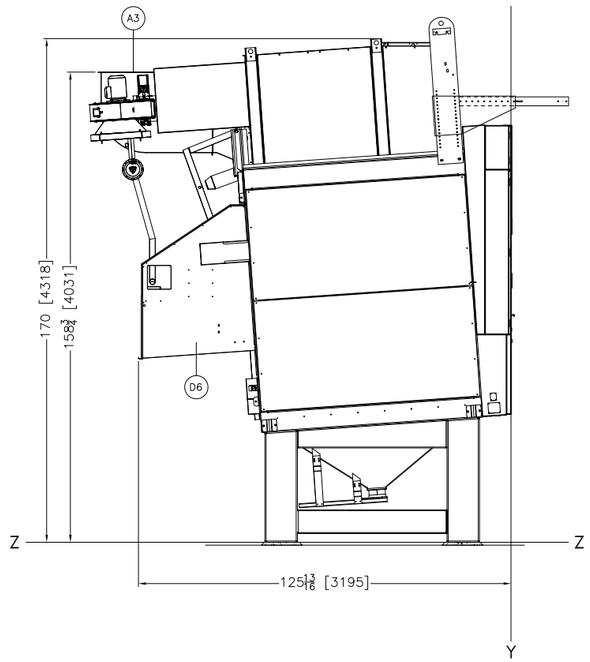
BLOWER EXHAUST DUCT UP OPTION

ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTES 9 & 12.)

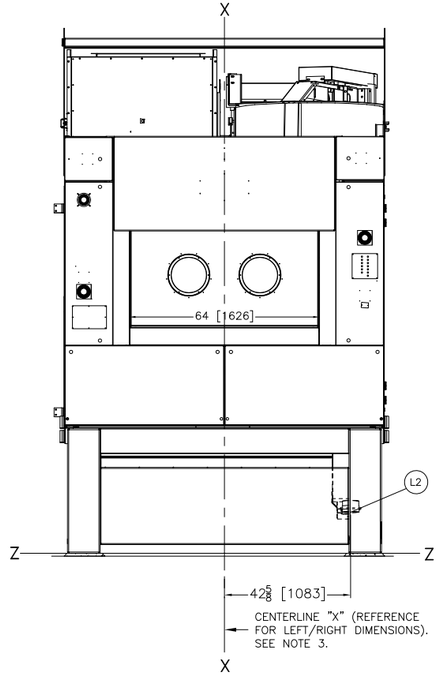
AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED

ITEM	LEGEND
L3	INTERNAL LINT SCREENS AIR VALVE BOX.
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL
	INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR
	LINT COLLECTOR BY OTHERS. SEE NOTES 9 & 10 AND
	DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
H1	BOLT HOLES, 5/16"[8] DIA., TYPICAL 32 PLACES
D6	OPTIONAL SHORT DISCHARGE SHROUD
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
A3	BLOWER EXHAUST DUCTING UP OPTION, SEE DETAIL.

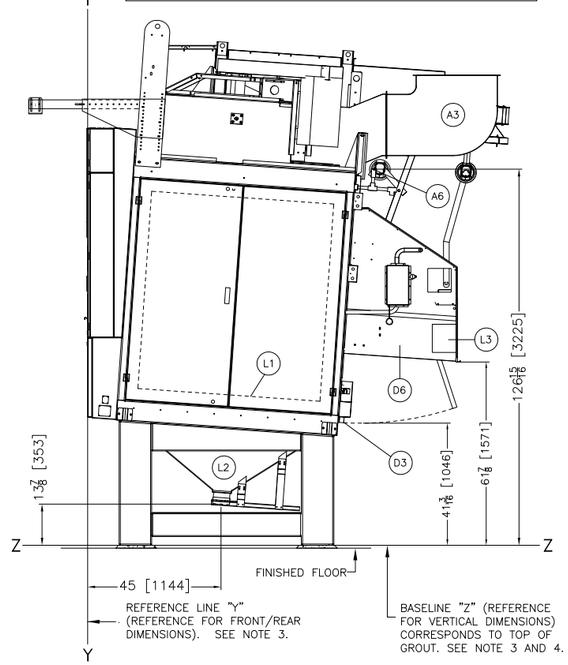
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS TO THE PEDESTAL SPECIFIED.
SEE NOTE 7.



LEFT VIEW



FRONT VIEW



RIGHT VIEW

NOTES

12 A WATER SEPARATOR (NOT SUPPLIED BY PMC) IS REQUIRED FOR THE INCOMING AIR TO THE INTERNAL LINT SYSTEM.

11 OPTIONAL INVERTER BOX MAY BE SPECIFIED FOR PEDESTAL MOUNT ON 48"[1219] (ZERO PEDESTAL PLUS 7"[178]) AND TALLER PEDESTALS ONLY.

10 OPTIONAL INTERNAL LINT SCREENS IS AVAILABLE FOR DRYERS WITH 41"[1041] AND TALLER PEDESTALS ONLY.

9 FOR OPTIONAL INTERNAL LINT FILTERS, IT IS RECOMMENDED TO HAVE A 60 GALLON COMPRESSED AIR BOOSTER TANK FOR EVERY 5 DRYERS.

8 EXHAUST DUCTING: DRYER OPERATES UP TO 8500SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

7 THIS DRAWING SHOWS THE 7676TG1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.

4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH THE INSTALLATION, AND PROVIDE ALL NECESSARY ADDITIONAL SAFETY GUARDS, FENCES, RESTRAINTS, DEVICES, ETC., NOT FURNISHED BY THE EQUIPMENT MANUFACTURER OR VENDOR.

ATTENTION

THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS OPERATION. WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

7676TG1R OPTIONS–BLOWER RIGHT

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7676TG1RAB
2013442D

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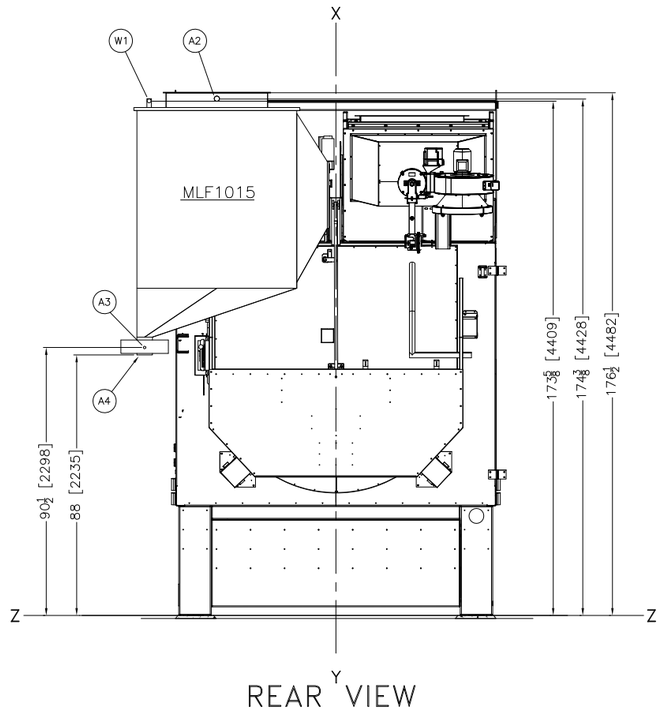
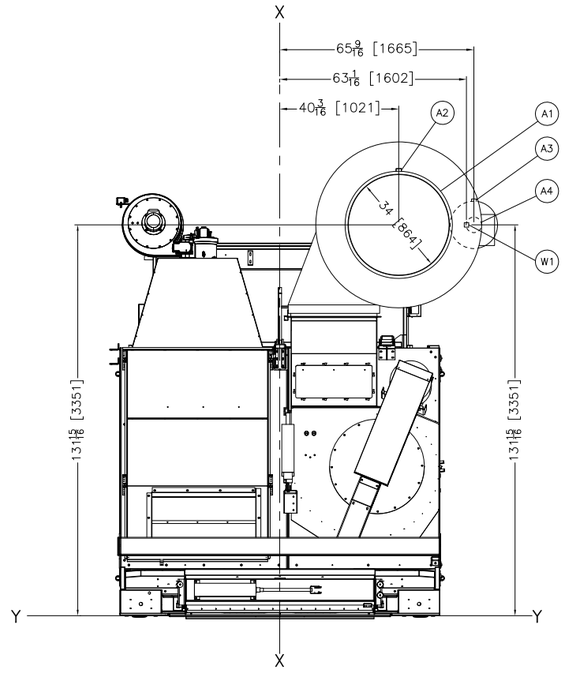
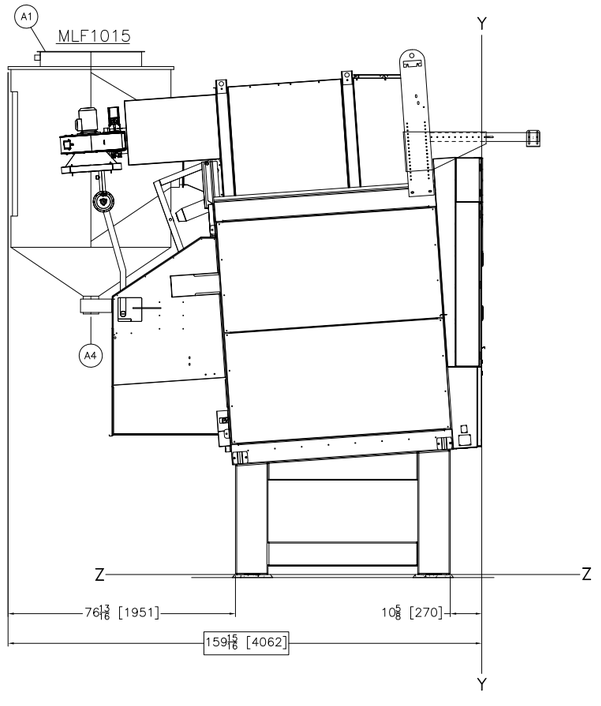
FAX 504/469-1849, Email: milnorinfo@milnor.com



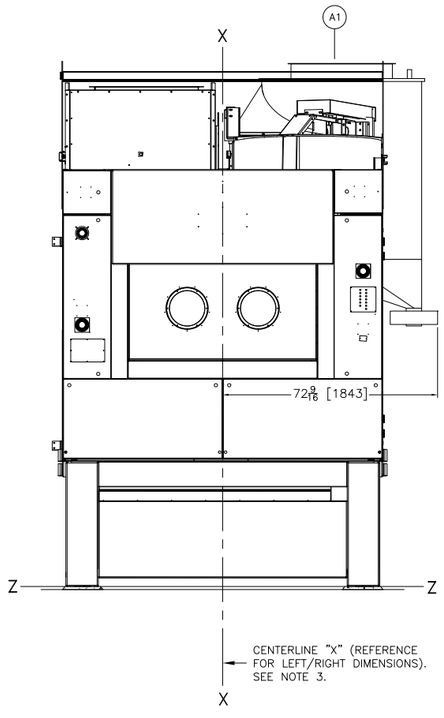
REAR VIEW



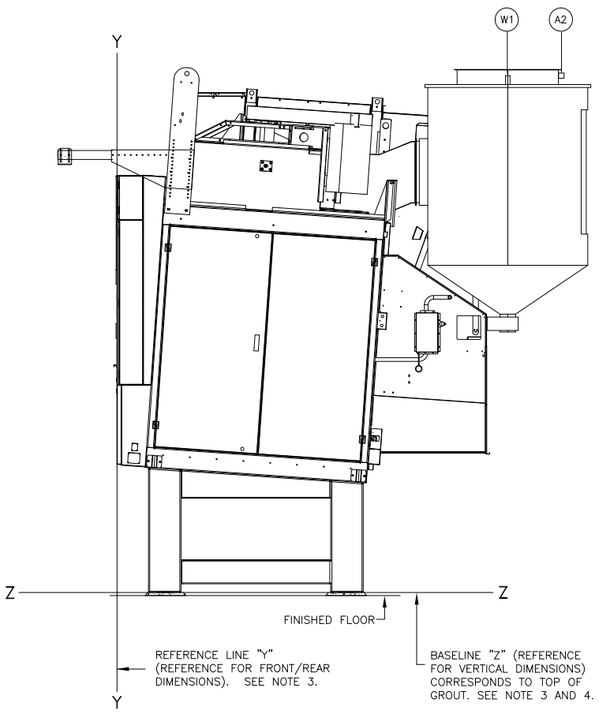
PLAN VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
W1	SPRINKLER WATER, 3/4" FNPT CONNECTION
A4	LINT OUTLET TO VACUUM, 6" PVC PIPE CONNECTION
A3	VALVE ACTUATION, 3/8" AIR CONNECTION
A2	LINT STRIPPER, 1" FNPT AIR CONNECTION
A1	BLOWER EXHAUST OUTLET FOR DRYER WITH MLF1015, 34"[864] FLANGED DUCT CONNECTION

NOTES

8 THIS DRAWING SHOWS THE 76076TG1R DRYER WITH A 41-5/16"[1050] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL". "ZERO PEDESTAL" IS STANDARD HEIGHT FOR CONVEYOR DISCHARGE.

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE OR DECREASE THE MACHINE HEIGHT IN (+/-)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL. FOR ANYTHING UNDER A ZERO PEDESTAL, RIGHT AND LEFT DRYERS CANNOT BE CONNECTED, AND YOU MUST ALLOW A MINIMUM 18"[458] FOR SERVICING BETWEEN DRYERS, SEE NOTE 10.

7 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
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48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

5 **CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.**

4 **BASELINE "Z" IS THE REFERENCE FOR ALL VERTICAL DIMENSIONS. ON MACHINES WITH WITH FIXED BASE PADS, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE BASE PAD. ON MACHINES WITH ADJUSTABLE FEET, BASELINE "Z" CORRESPONDS TO THE BOTTOM OF THE FEET WHEN ADJUSTED SO THAT THE MACHINE IS AT ITS MINIMUM ACCEPTABLE HEIGHT. ON TRAVERSING SHUTTLES, BASELINE "Z" CORRESPONDS TO** THE BOTTOM OF THE BOTTOM RAIL. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR WILL VARY AS REQUIRED TO ENSURE BASELINE "Z" IS HORIZONTAL AND ANY INTERFACING MACHINES REQUIRING GROUT ARE SET ON A MINIMUM 1"[25] THICK GROUT BED.

3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

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ATTENTION

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76076TG1R WITH MLF1015 OPTION

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7676TG1RAC
2013442D

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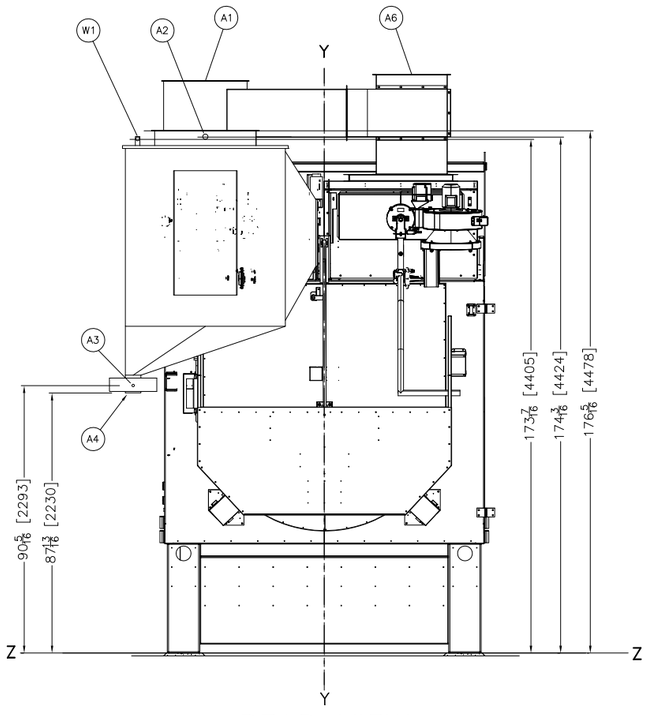
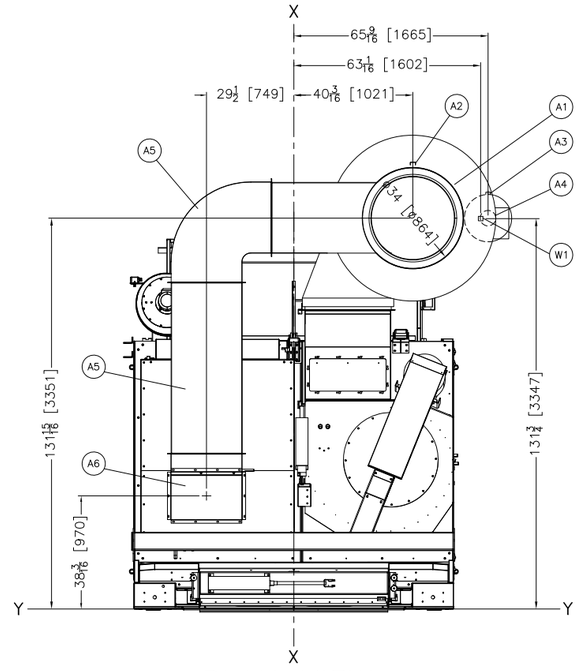
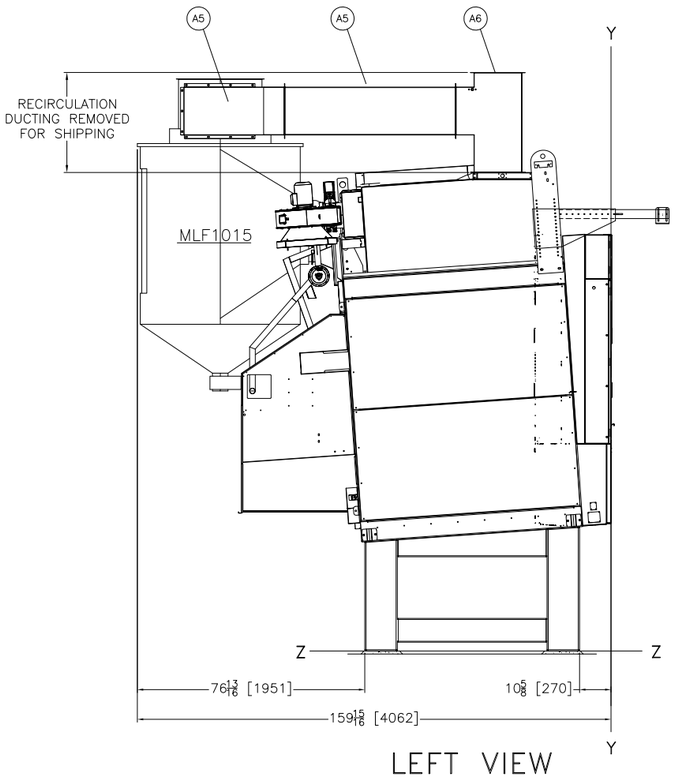
FAX 504/469-1849, Email: milnorinfo@milnor.com



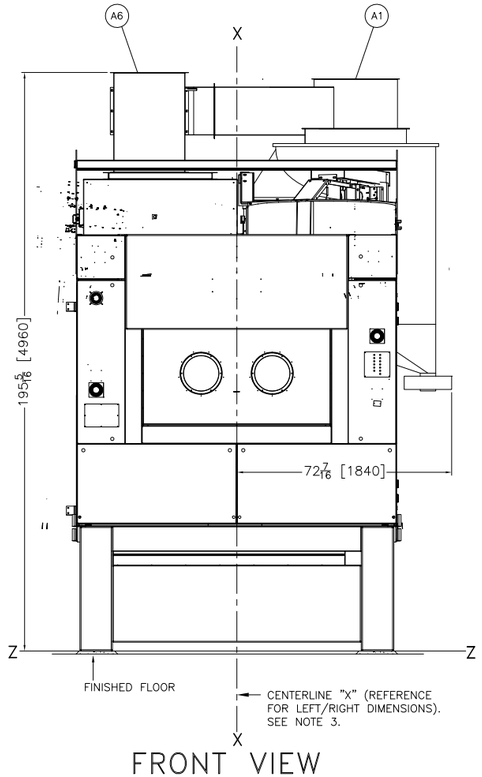
REAR VIEW



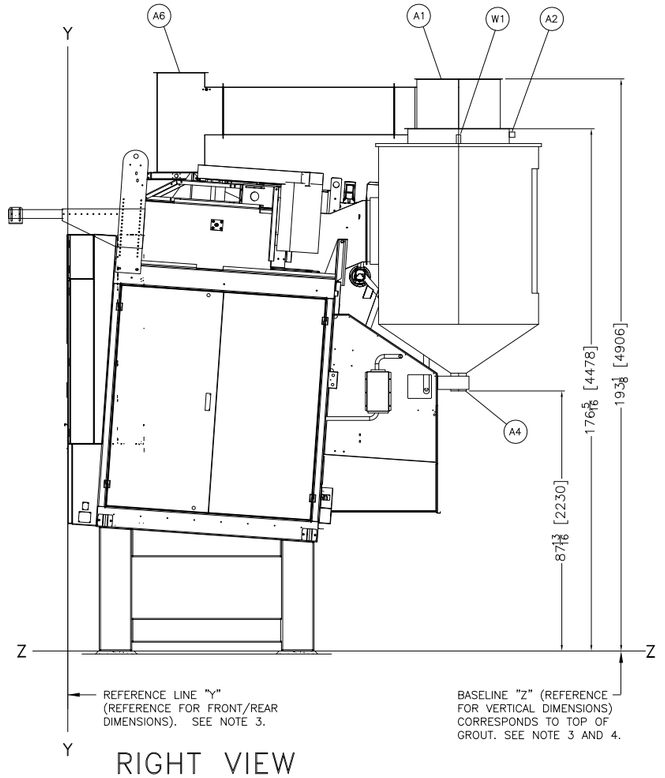
PLAN VIEW



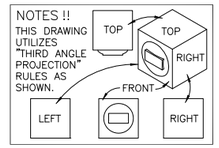
LEFT VIEW



FRONT VIEW



RIGHT VIEW



PRELIMINARY

ITEM	LEGEND
W1	SPRINKLER WATER, 3/4" FNPT CONNECTION
A6	AIR INTAKE DUCT
A5	RECIRCULATION DUCT
A4	LINT OUTLET TO VACUUM, 6" PVC PIPE CONNECTION
A3	VALVE ACTUATION, 3/8" AIR CONNECTION
A2	LINT STRIPPER, 1" FNPT AIR CONNECTION
A1	BLOWER EXHAUST OUTLET FOR DRYER WITH MLF1015,
	34"[864] FLANGED DUCT CONNECTION

NOTES

13 EXHAUST DUCTING: DRYER OPERATES UP TO 8500 SCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

12 THIS DRYER REQUIRES SIGNIFICANT SCFM OF AMBIENT AIR (EXCLUSIVE OF THE INLET DUCT) TO OPERATE CORRECTLY. THIS IS USED BY THE COMBUSTION AIR BLOWER AND A PORTION PASSES OVER THE BURNER INTO THE FIREBOX. APPROPRIATE DUCTING OR VENTILATION DAMPERS SHOULD BE INSTALLED IN THE FACILITY TO ENSURE NO VACUUM EXISTS TO STARVE THE DRYERS OF THIS AIR REQUIREMENT.

11 DO NOT USE ANY TYPE OF TURNING VANE IN THE DRYER EXHAUST DUCTING AS THESE WILL IMMEDIATELY PLUG WITH LINT.

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [762] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRBE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO THREE MAJOR COMPONENTS FOR SHIPPING, THE BASE, THE FRAME & THE RECIRCULATION DUCTING. CONSULT MILNOR FACTORY IF COMPONENTS SUCH AS BLOWER HOUSING MUST BE REMOVED TO FIT THE MACHINE THROUGH AN OPENING.

8 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING, SO THAT THE BLOWER MAY BE REMOVED FOR SERVICING, IF NEEDED.

7 THIS DRAWING SHOWS THE 76076TG1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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76076TG1R RECIRC + MLF1015

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD7676TG1RAD
2013125P

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