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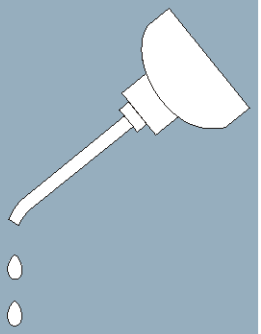
Installation and Service

5040 & 5050

Shaker, Gas and Steam Dryers



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, EX Factory (labor and freight specifically NOT included). 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.

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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 —

Trademarks

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Table 1. Trademarks

AutoSpot™	GreenFlex™	MilMetrix®	PulseFlow®
CBW®	GearTrace™	MilTouch™	RAM Command™
Drynet™	GreenTurn™	MilTouch-EX™	RecircONE®
E-P Express®	Hydro-cushion™	MILRAIL™	RinSave®
E-P OneTouch®	Mentor®	Miltrac™	SmoothCoil™
E-P Plus®	Mildata®	PBW™	Staph Guard®
Gear Guardian®	Milnor®		

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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 —

Fire Safety System Operation and Maintenance

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NOTICE: If the fire safety system is in operation (if there is a flow of water from the rear of the dryer)—go to Section 5 : If Water Flow Occurs, page 5.

fire safety system the water nozzles and related equipment that put water in the dryer to stop a fire in the basket.

Water flow will start automatically if the temperature becomes too high, as told in Section 1 : Fire Safety Functions and Components, page 1. You can also start it manually. Pull the operation handle or use the control panel as told in Section 4 : How to Do a Test of the Fire Safety System, page 4. The system will start a flow of water. The water will go into the basket through the perforations. Do a test of this system at the intervals given in the routine maintenance schedule.

1. Fire Safety Functions and Components

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This section gives the fire safety functions and components for 6464_ and 7272_ models. Components and their locations can be different on other dryer models but the functions are the same.

Table 1. Fire Safety Functions for 6464_ and 7272_ Dryer Models

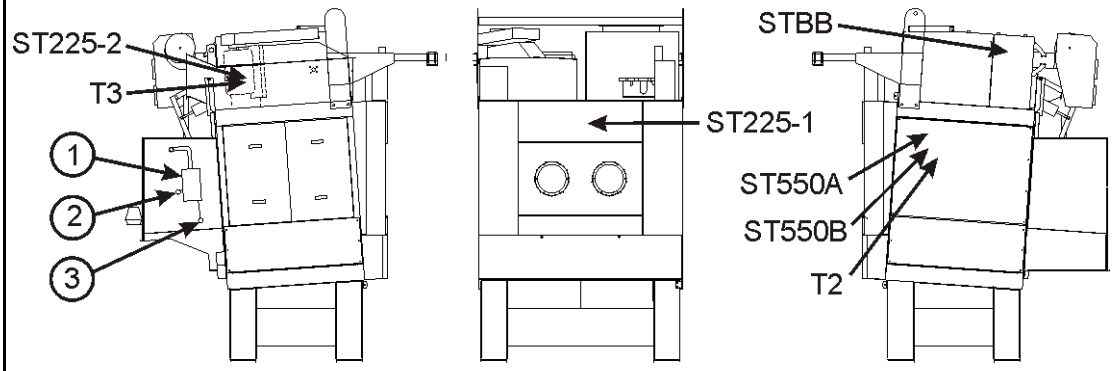
Sensor type	**Temperature switch (closes at specified temperature)**			**Thermocouple (gives continuous temperature data to the controller)**		
Sensor name	ST225-1 & 2	ST550A & B	STBB	T3		
Location	Basket/outlet duct (Figure 1, page 2, Figure 3, page 2, Figure 4, page 2)	Inlet duct Figure 1, page 2, Figure 2, page 2	At burner (Figure 1, page 2, Figure 5, page 2)	Outlet duct (Figure 3, page 2)		
Safety limit (the temperature or condition that causes the given result)	225° F (107° C)	550° F (288° C)	175° F (79° C)	**–Three safety limits in software–**		
				5° F increase for 15 seconds or 15° F increase for 5 seconds during min fire*	Higher than 220° F (104° C) for 5 seconds**	240°F (116°C)
Occurs when temperature is too high	Water flows and all dryer actions stop.	Flame goes off. If the flame will not come on, see the line below this one.		Each step before the cooldown is subsequently cancelled while the condition continues.		Water flows and all dryer functions stop.
Display when temperature is too high	THREE WIRE DISABLED error and operator alarm.	Initially none. If the flame will not come on, the CHECK ERROR LIGHTS error and operator alarm occur.		The controller shows “MINF” and puts data in the record of dry cycle details.	The controller shows “>220” and puts data in the record of dry cycle details.	OUTLET TEMP EXCEEDED 240 Df - POWER DOWN error and operator alarm.
Necessary procedure	See Section 5 : If Water Flow Occurs, page 5	If the error given in the line above this one occurs, see “Error Messages” in the operator guide.		See Section 2 : About the **Min Fire** and **Outlet Temperature Exceeded 220°** Faults, page 3		See Section 5 : If Water Flow Occurs, page 5

*** This does not apply to steam dryers.**

**** This does not apply to steam dryers if they do not use modulation.**

Figure 1. Component Locations for 6464_ Models

Left, Front, and Right-side Views (model 6464TG1L shown)



Legend

ST225-1 . . Basket temperature switch (upstream of blower). The switch closes at 225° F (107° C).
ST225-2 . . Outlet temperature switch (downstream). The switch closes at 225°F (107°C).
ST550A . . Inlet temperature switch. This switch closes at 550° F (288° C).
ST550B . . Secondary inlet temperature switch. This switch closes at 550° F (288° C).
STBB . . Burner housing temperature switch. This switch closes at 175° F (79° C).
T2 . . Inlet temperature thermocouple. The fire safety system does not use this component.
T3 . . Outlet temperature thermocouple. This component gives temperature data to the controller.
1 . . . Sprinkler valve assembly
2 . . . Reset handle
3 . . . Operation handle

Figure 2. View of ST550A, ST550B and T2

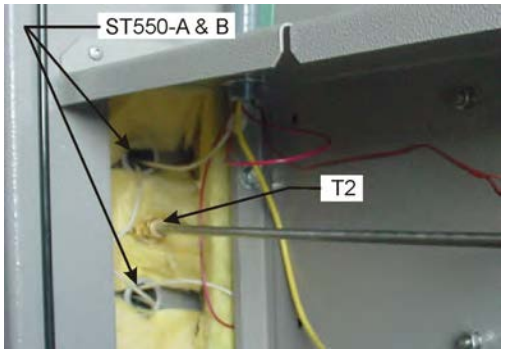


Figure 3. View of ST225-1

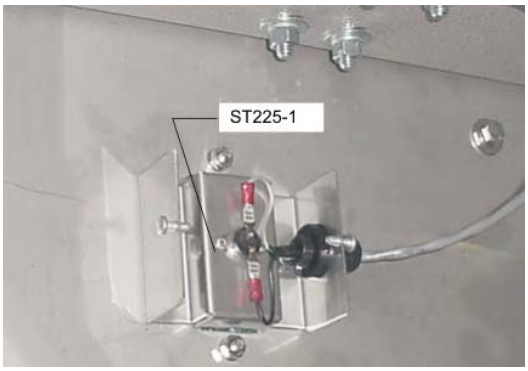


Figure 4. View of ST225-2 and T3

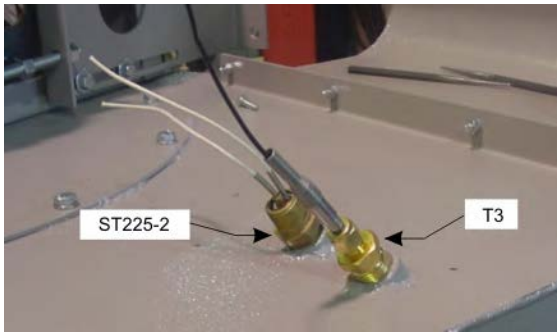
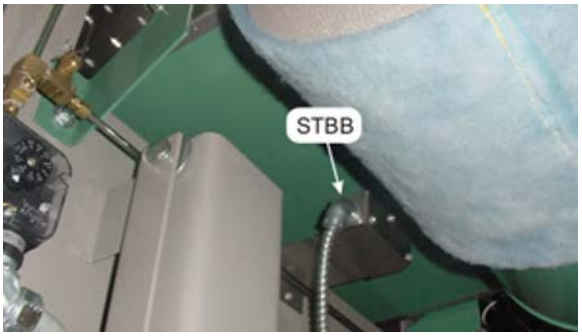


Figure 5. View of STBB



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

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The function of these faults is to prevent conditions that can cause a fire. The controller does the necessary steps. There are no other steps for the operator to do immediately. But the controller puts data about the fault in the record of dry cycle details. These faults usually cause unsatisfactory operation. To prevent these faults, it can be necessary to change some procedures as told in the subsequent sections. Heat system adjustments and repairs are not routine maintenance. Speak to your dealer or Milnor®.

2.1. Min Fire (MINF)

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This condition applies to dryers that use gas or propane. Minimum fire is when the controller tells the modulating gas valve to go to the position 000. The correct condition is when the gas valve is open a small, stable increment. Under this condition, a **min fire** fault occurs if the controller senses that the outlet temperature increases. This fault usually shows that the goods became too hot and could catch fire. (One more symptom is if the goods have a burned smell.) When this fault occurs, the controller immediately goes to the subsequent cool down step. Some causes of **min fire** faults include:

- **The goods are held against the basket**—The correct condition is that the goods tumble in the basket. If the basket speed is too high, centrifugal force can hold the goods against the basket. Then the part of the goods that is against the basket can become too hot.
- **The gas valve does not operate correctly**—For example, the valve throttle cannot move down fully because it is damaged. This can prevent the min fire position.
- **Min fire is set too high**—The min fire position must be adjusted correctly when the gas and air as told in the procedure to set the heat system. Damage to components can cause this adjustment to change.

2.2. Outlet Temperature Exceeded 220° (degrees Fahrenheit)

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This fault applies to all dryers except those with steam valves that do not modulate. The value 220° F (104° C) is 5°F (3° C) below the temperature that will close the outlet temperature switches (Fenwal switches) and start water flow. It cancels each subsequent heat step if the outlet temperature is higher than 220° F (104° C) for five seconds or more at the start of the step. This fault can also occur if the goods are held against the cylinder or the gas valve is damaged. The function of this fault is to make water flow not necessary, if the goods are not on fire. But if the goods catch fire, the temperature switches will quickly close to start water flow.

3. How to Prevent Water Flow When No Fire Occurs

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If water flow occurs when there is no fire, two possible causes are:

- **A temperature switch is damaged.** This is the usual cause. For example, material can hit a temperature probe and bend it. This can be a piece of goods that goes through a space where

seals are worn. It is necessary to replace a damaged probe. The probe can also give an incorrect value if it has plastic contamination. It is necessary to remove the contamination.

- **Temperatures are not in the correct range.** The conditions described in Section 2.1 : Min Fire (MINF), page 3 can cause water flow if they are severe enough.

If water flow occurs when there is no fire, correct the cause. **Do not remove the fire safety system from operation.** If a fire occurs, this system is your first and best protection against a fire that is out of control.

4. How to Do a Test of the Fire Safety System

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1. **Prevent a new load:** Set the **Load Allowed/ Not Allowed** (/) switch to **Not Allowed** ( ) to prevent a new load.
2. **Let the dryer empty:** Let the dryer operate until it releases the load it has.
3. **Close the manual water valve:** Close the valve to prevent water flow. This valve is on the sprinkler assembly. The assembly is usually on the side of the dryer discharge shroud.
4. **Start a test of sprinkler AUTOMATIC operation:**
   - If there is a controller on the dryer, see “Manual Mode Menu Functions” in the reference manual.
   - If this dryer is part of a Dryer/Shuttle (Drynet™) system, do the steps listed below at the Drynet™ controller:

   a. Select **Admin Logon** and enter the administrator password.

   b. Select (click) the display for the dryer you will do the test on.

   c. Select (click) **Manual** mode.

   d. Go to **Sprinkler Functions** on the right side of the screen and select (click) **Sprinkler [Off]** to release the sprinkler valve. This is a toggle. The display shows **Sprinkler [On]**.
5. Examine the automatic sprinkler valve.

CAUTION: **Sluggish valve operation —** can interfere with fire suppression.

- ▶ Remove any build-up of foreign matter on components.
- ▶ Make sure components move freely.

6. **Let the water flow for a short while:** Open the manual valve on the sprinkler assembly. Make sure that water flows from the rear of the dryer. Close the valve for the subsequent part of the test.
7. **Set the system again:** Pull the sprinkler reset handle down fully. It must latch.
8. **Start a test of sprinkler MANUAL operation:** Select a dry code and run it manually.

CAUTION: The manual water valve must be closed to prevent water flow during this test.

9. **Opereate the fire safety system manually:** When the heat source starts to make heat, pull down the sprinkler operation handle.
10. **Make sure that a shutdown occurs:**
    - The automatic valve opens (the reset handle releases).
    - The `THREE WIRE DISABLED` message appears.
    - The operator alarm sounds.
    - All dryer functions stop.
11. **Stop the dry code.**
12. **Set the system again:** Pull the sprinkler reset handle down fully. It must latch.
13. **Open the manual valve.**

    WARNING: **A closed manual valve —** will prevent water flow in an emergency.

    ▶ Make sure the manual valve is open and remains open during operation.

14. **Put the dryer in operation again.**

    This concludes the fire safety system test.

5. If Water Flow Occurs

BNDGUH01.T02 0000384213 B.2 9/24/21 11:44 AM Released

A serviceable fire safety system will operate if a fire in the basket occurs. But it can also operate for other causes. Temperature switches (Fenwal switches) in the outlet duct operate the system at 225° F (107° C). If the Fenwal switches are not serviceable, the dryer software operates the system at 240° F (116° C).

1. **Examine the dryer condition:** If there is a fire, let water flow continue until the fire is extinguished.

   CAUTION: Use extreme care if you must look through the door glass or get near a part of the machine.

2. **Set the system again when it is safe:**

   a. Turn the Master switch off (⊘), then on (⏻) again. If the software caused the fire safety system to operate, this is necessary to remove the "Desires Sprinkler" output signal.

   b. Pull the sprinkler reset handle down fully. It must latch.

   This step helps to keep water damage to a minimum and allows you to use the manual controls.

3. **Did a fire occur?**
   - **NO:** Put the dryer in operation again.
   - **YES:** Continue these steps.

4. **Do a test of basket movement:**
   a. Set the **Load Allowed/Not Allowed** (/) switch to **Not Allowed** ( ) to prevent a new load.
   b. Press **Start** ( ). The operator alarm stops and the display shows `WAITING FOR LOAD. LOADING NOT ALLOWED`.
   c. Set the **Automatic/Manual Rotation** switch (/) to **Manual Rotation** ( ).
   d. Hold the **Jog Direction** switch (/) in one of the two directions **no longer than necessary to make sure that the basket turns.**
5. **Did the basket turn?**
   - **NO:** Stop. Repairs are necessary. Consult your dealer or the Milnor® factory.
   - **YES:** Continue these steps.
6. **Carefully remove the goods:** Use the manual controls to release the goods.

   WARNING: Hot goods — can catch fire spontaneously,

   - Keep fire equipment available.
   - Stay away from the goods.
7. **Remove power. Look for damage.** With power removed from the machine, examine the full machine for damage.

   Look carefully at the air seals, support rollers, primary blower, and electrical cables on top of the machine. Also examine electrical components for moisture.
8. **Connect power. Examine dryer functions:** In the manual mode, operate all outputs. For example, the gas valve, lint removal.
9. **Damage?**
   - **YES:** Stop. Repairs are necessary. Consult your dealer or the Milnor® factory.
   - **NO:** Continue.
10. **Put the dryer in operation again:** Put all manual controls in the automatic position ( ) again.

End of document: BNDGUH01

BIUUUI02PG (Published)Book specs- Dates: 20180426 / 20180426 / 20180426 Lang: ENG01 Applic: PDG

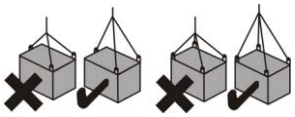
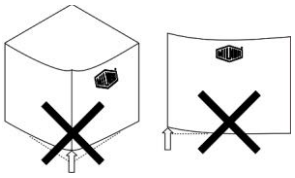
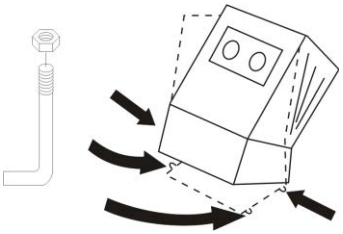
Tag Guidelines for the Models Listed Below

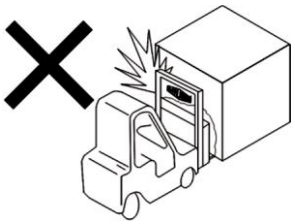
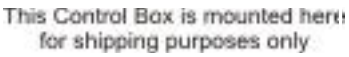
5050TG1L 5050TG1R 6450TG1L 6450TG1R 6458TG1L 6458TG1R 6464TG1L 6464TG1R 7676TG1L 7676TG1R 8282TG1L 8282TG1R

Notice 1: This information may apply to models in addition to those listed above. It applies to paper tags. It does not apply to the vinyl or metal safety placards, which must remain permanently affixed to the machine and replaced if no longer readable.

Paper tags on the machine provide installation guidelines and precautions. The tags can be tie-on or adhesive. You can remove tie-on tags and white, adhesive tags after installation. Yellow adhesive tags must remain on the machine.

The following entries explain the installation tags. Each entry includes: 1) the tag illustration, 2) the tag part number displayed st the bottom of the tag, and 3) the meaning of the tag.

Display or Action	Explanation
	Read the manuals before proceeding. This symbol appears on most tags. The machine ships with safety, operator, and routine maintenance guides for customer use. Milnor dealer manuals for installing, servicing, and commissioning this machine are also available from the Milnor Parts department.
	B2TAG88005: This carefully built product was tested and inspected to meet Milnor® performance and quality standards by (identification mark of tester).
	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.
	B2TAG94101: The dryer has a rearward center of gravity and must be firmly anchored to the floor at all four corners.

Display or Action	Explanation
	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.
	B2T2001017: Foam seal must be installed here before dryers are bolted together.
	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 —

BIUUUI02 (Published) Book specs- Dates: 20180426 / 20180426 / 20180426 Lang: ENG01 Applic: PDH PDO PDS

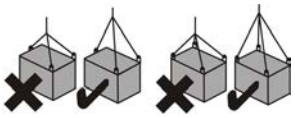
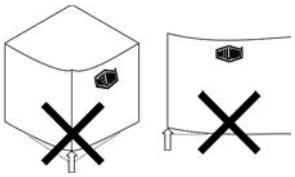
Tag Guidelines for the Models Listed Below

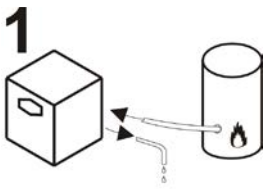
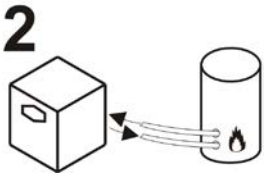
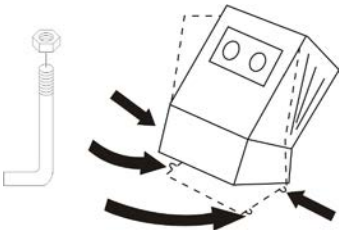
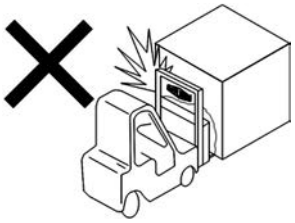
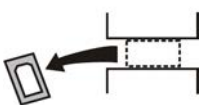
5050SA1L 5850SA1R 6458TT1L 6458TT1R 5050TS1L 5050TS1R 6458TS1L 6458TS1R 6464TS1L 6464TS1R 7676TS1L 7676TS1R 8282TS1L 8282TS1R MT140S1L MT140S1R

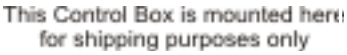
Notice 1: This information may apply to models in addition to those listed above. It applies to paper tags. It does not apply to the vinyl or metal safety placards, which must remain permanently affixed to the machine and replaced if no longer readable.

Paper tags on the machine provide installation guidelines and precautions. The tags can be tie-on or adhesive. You can remove tie-on tags and white, adhesive tags after installation. Yellow adhesive tags must remain on the machine.

The following entries explain the installation tags. Each entry includes: 1) the tag illustration, 2) the tag part number displayed st the bottom of the tag, and 3) the meaning of the tag.

Display or Action	Explanation
	Read the manuals before proceeding. This symbol appears on most tags. The machine ships with safety, operator, and routine maintenance guides for customer use. Milnor dealer manuals for installing, servicing, and commissioning this machine are also available from the Milnor Parts department.
	B2TAG88005: This carefully built product was tested and inspected to meet Milnor® performance and quality standards by (identification mark of tester).
	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.

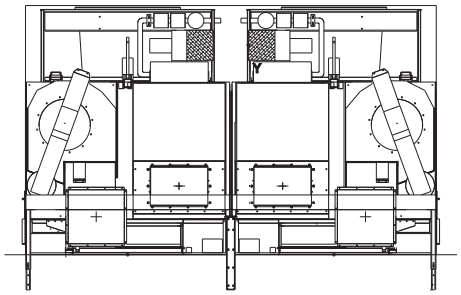
Display or Action	Explanation
	B2TAG94091: Drain the condensate to the sewer during first one hour after commissioning a new machine or replacing the steam coil. This flushes out any residual anti-freeze that might be in the steam coil. After one hour, condensate can be returned to the boiler.
	
	B2TAG94101: 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.
	B2T2001017: Foam seal must be installed here before dryers are bolted together.
 	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.

Display or Action	Explanation
	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.)

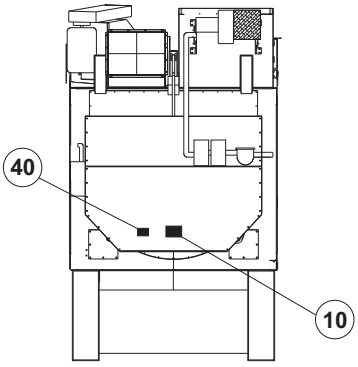
— End of BIUUUI02 —

Safety Placard Use and Placement

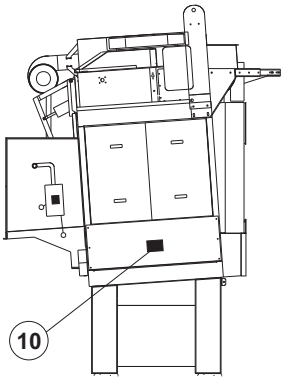
5040, 5050, 6450, 6458, 6464, 7272, 7676 and 8282 Dryers



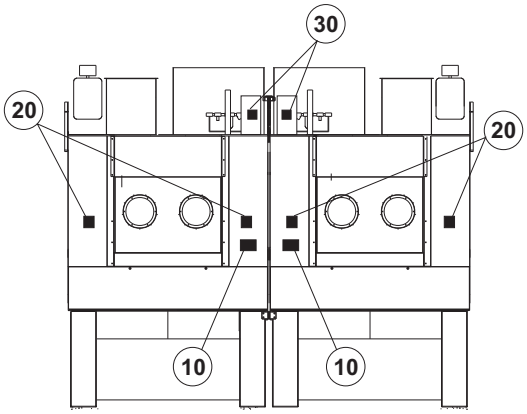
Blower Left Model **Blower Right Model**
Plan View



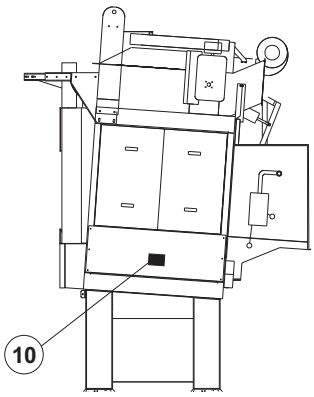
Typical Rear View



Left View Service Side Blower Left Model



Blower Left Model **Blower Right Model**
Front View



Right View Service Side Blower Right Model

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.**

Safety Placard Use and Placement

5040, 5050, 6450, 6458, 6464, 7272, 7676, and 8282 Dryers

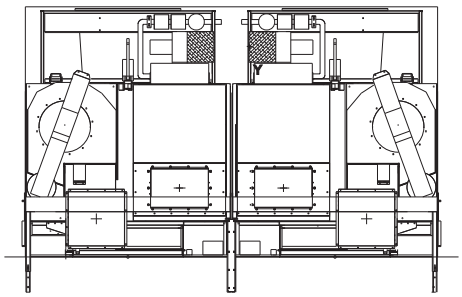
Parts List—Safety Placard Use and Placement

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.

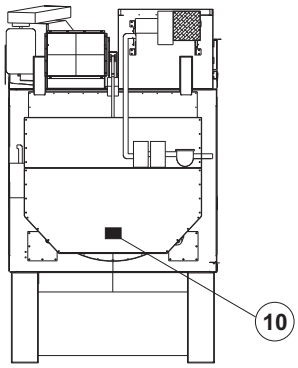
Used In	Item	Part Number	Description	Comments
			----------COMPONENTS----------	
all	10	01 10451B	NPLT:DRYER WARNINGS-TCATA	
All	20	01 10377A	NPLT:ELEC HAZARD LG-TCATA	
all	30	01 10375B	NPLT:ELEC HAZARD SMALL-TCATA	
all	40	01 10699A	NPLT:SERV HZRD-PLYEST-TCATA	

Safety Placard Use and Placement - ISO

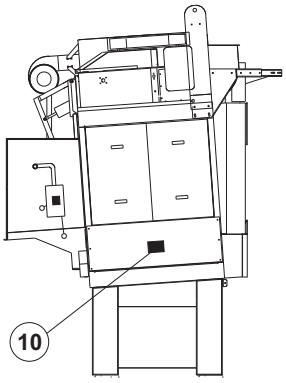
5040, 5050, 6450, 6458, 6464, 7272, 7676, and 8282 Dryers



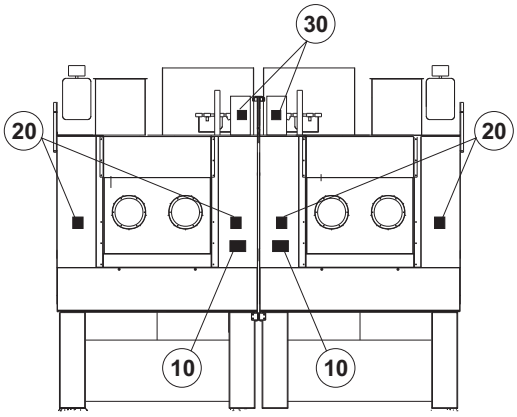
Blower Left Model **Blower Right Model**
Plan View



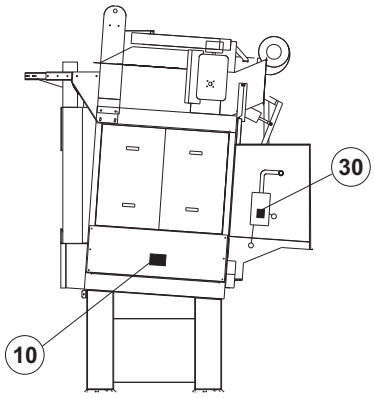
Typical Rear View



Left View Service Side Blower Left Model



Blower Left Model **Blower Right Model**
Front View



Right View Service Side Blower Right Model

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.**

Safety Placard Use and Placement - ISO

5040, 5050, 6450, 6458, 6464, 7272, 7676, and 8282 Dryers

Parts List—Safety Placard Use and 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.

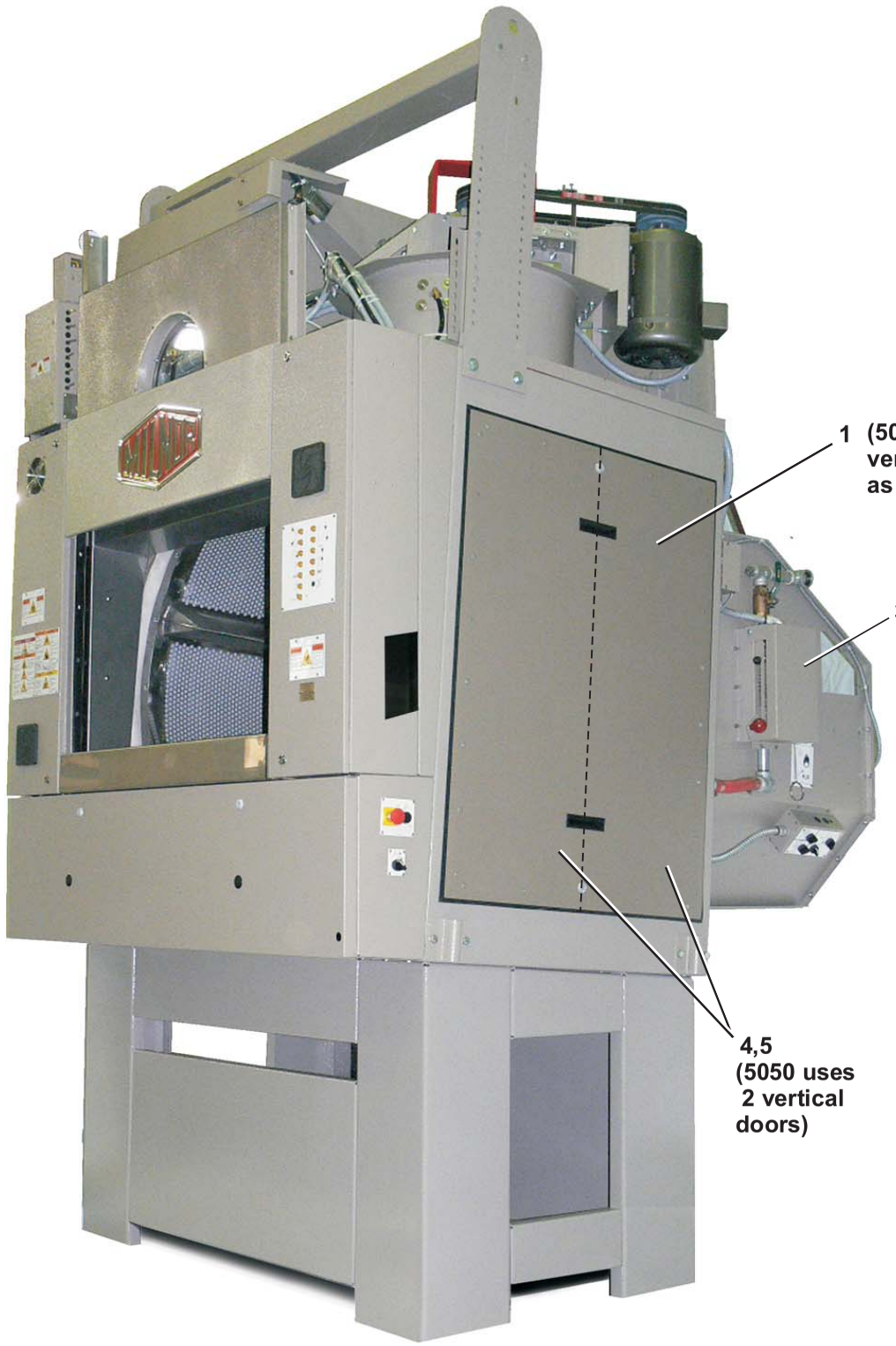
Used In	Item	Part Number	Description	Comments
-----------			----------COMPONENTS----------	----------
All	10	01 10451X	NPLT:DRYER WARNINGS -ISO	
all	20	01 10377	NPLTE:"WARNING" 4X4	
all	30	01 10375	NPLTE:"WARNING" 2X2	

Covers

5040TG2L/R, 5040TS2L/R 5050TG1L/R,TS1L/R

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—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.

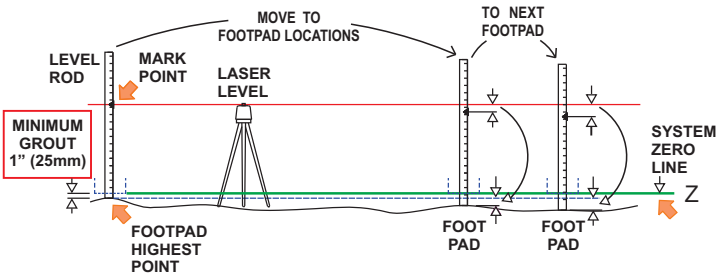
Used In	Item	Part Number	Description	Comments
			ASSEMBLIES	
	A	G74SH004	5040TG2 GAS HOUSE INSTALL	5040TG2L/R,TS2L/R
	B	G74SH005	5050TG1 GAS HOUSE INSTALL LF	5050TG1L/R,TS1L/R
			COMPONENTS	
AB	1	A74SD001	5040 SIDE DOOR ASSY	
A	2	07 44070	5040 HOUSE SIDE COVER (COLOR=WARM GRAY)	
B	2	07 44070A	5050 HOUSE SIDE COVER (COLOR=WARM GRAY)	
all	3	07 50428	SPRINKLER VALVE COVER DRYER (COLOR=WARM GRAY)	
B	4	A74SD017	5050 SIDE DOOR ASSY WITH CVR	
B	5	A74SD017A	5050 SIDE DOOR ASSY NO CVR	

Installation 2

ATTENTION INSTALLERS!

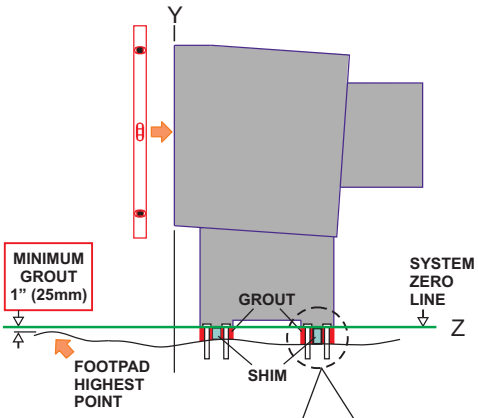
FLOOR IS UNEVEN

- 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.



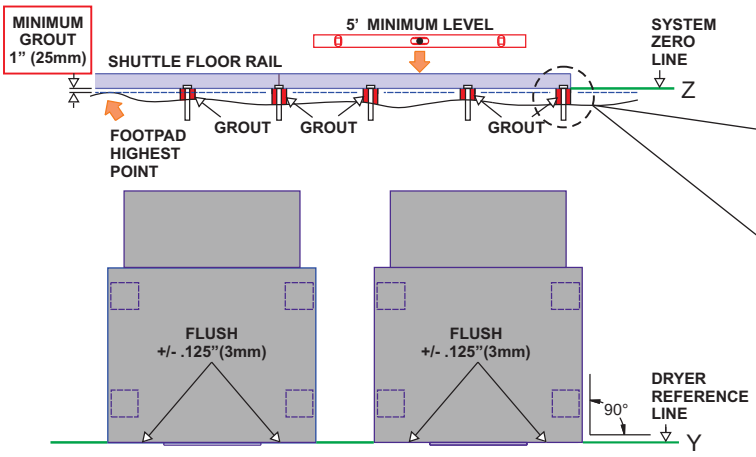
DRYER FEET MUST BE GROUTED

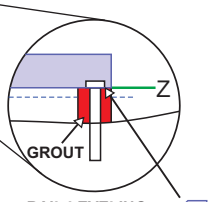
- Shim & level to System Zero Line or Z.
- Grout & anchor all brackets.

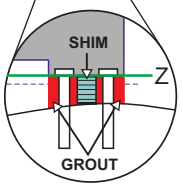


SHUTTLE RAIL BRACKETS MUST BE GROUTED TO Z

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

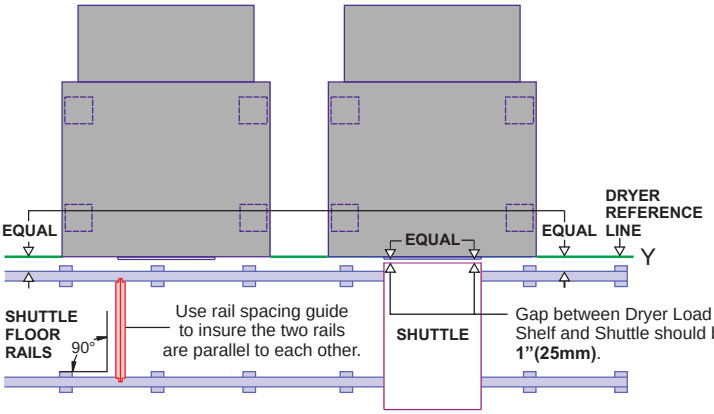


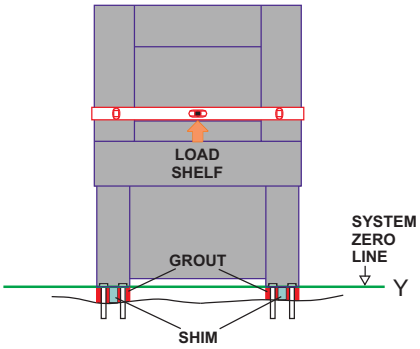




RAIL LEVELING PLATES ARE ALSO PROVIDED FOR FINE ADJUSTMENT OF RAIL.

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.

B2T2007003/2019193A

BIPD6I02 (Published) Book specs- Dates: 20160914 / 20160914 / 20160914 Lang: ENG01 Applic: PD6

Dryer Assembly and Setting

This document gives general instructions for shippers and installers. Several other documents in the installation manual provide more detailed instructions on specific tasks related to installation. Review all of the installation-related documents before proceeding.

1. Handling Precautions

The machine is disassembled at the Milnor factory in two or more assemblies: the main dryer housing, the pedestal base, and if necessary, one or more other assemblies. The machine is shipped from the Milnor factory in three or more containers. Major assemblies are palletized or skidded and there are one or more boxes containing loose parts such as connecting brackets.

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.

2. Lifting brackets are provided on the top of the house and are tagged as such. Spreader bars are mounted between the lifting brackets. The lifting brackets 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.

Some dryers are paired for installation immediately adjacent to each other. When installing these machines, 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.

Figure 1: Front Lifting Bracket

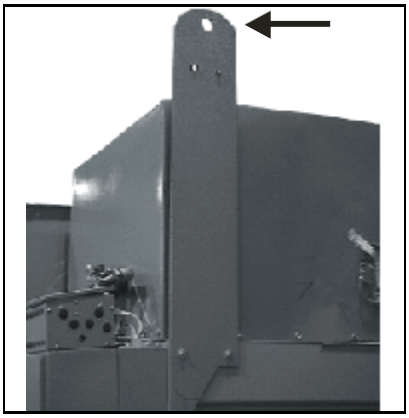


Figure 2: Rear Lifting Bracket

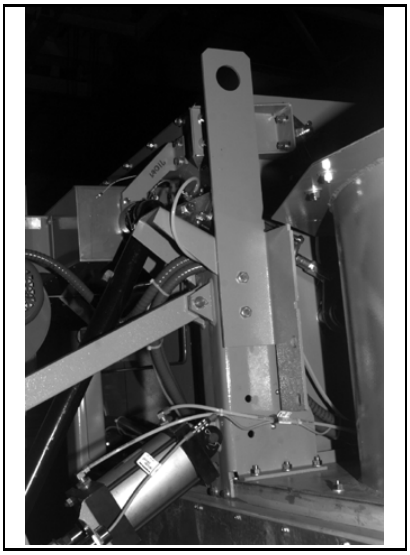


Figure 3: Spreader Bar Between Front Lifting Plates

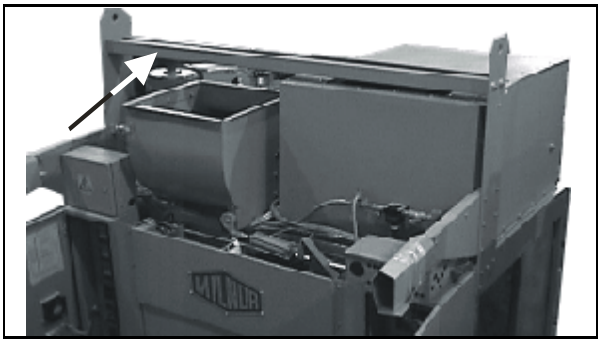
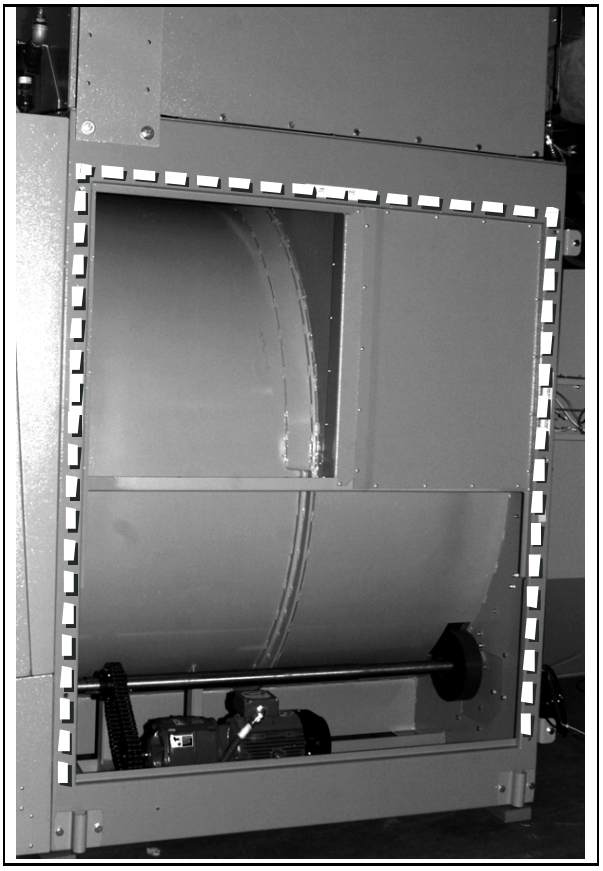


Figure 4: Apply sealing foam to left house before setting into position



2. Site Requirements

2.1. Dryer Environment—The dryer must not be installed or stored in an area where it will be exposed to water and/or weather.

2.2. Clearances—Observe the following:

- 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 sizes of the skidded assemblies (see the dimensional drawing). It is occasionally possible to reduce the overall dimensions by removing piping and by other special modifications. Consult the Milnor factory for more information.
- Provide sufficient clearance around machine for normal operation and maintenance procedures.
- Ensure sufficient clearance between hot surfaces, such as the dryer exhaust vent, and any combustable building materials.
- Ensure sufficient ventilation exists for the heat and vapors of normal operation to dissipate.
- Provide adequate airflow for optimum machine performance. Normally, this means connecting the machine to an outside air source.

2.3. 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 1: Crush and Machine Damage Hazards—This machine has a rearward center of mass.

- 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. However, do not install anchor bolts 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

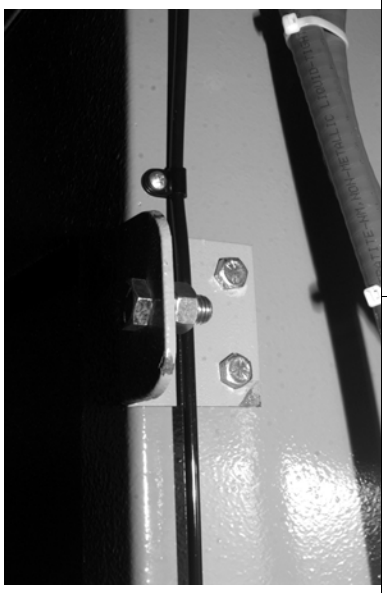
1. Establish System Zero Line or Z. Find the highest point in the factory floor where footpads will be located. The system Zero Line or Z is 1"(25MM) above the highest point.
2. Install the anchor bolts.
3. Level with leveling bolts until the bottom of the pedestal feet are on System Zero Line or Z. 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:

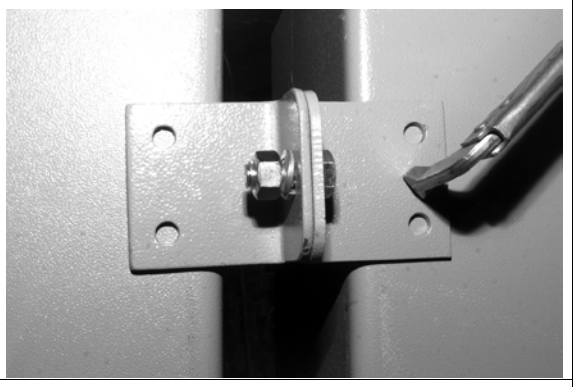
- Install the rear brackets (Figure 5).
- Assemble front machine-to-machine leg bracket. Mark and drill mounting holes and install the leg bracket (Figure 5).
- Install bolts between the front lift plates of adjacent machine pairs. Do not tighten bolts at this time.
- Slide the lift plate spacers in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

Figure 5: Machine-to-Machine Brackets and Spacers

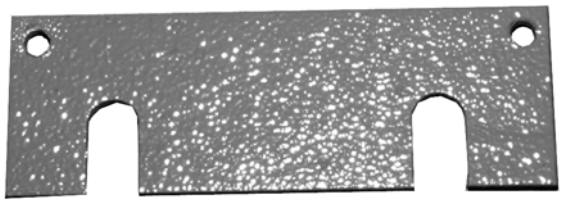
Rear machine-to-machine bracket (two locations)



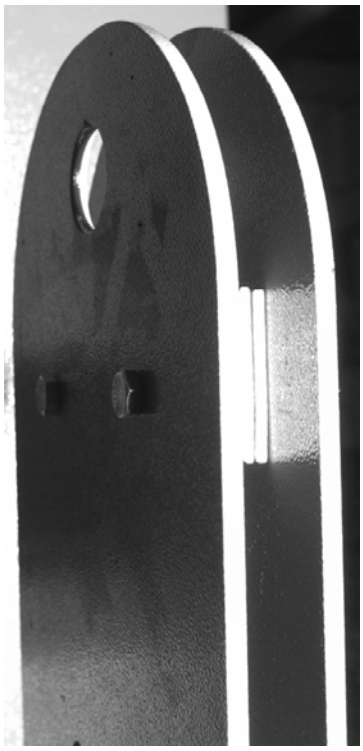
Front machine-to-machine leg bracket



Lift plate spacer



Adjacent front lift plates showing installed spacers and bolts



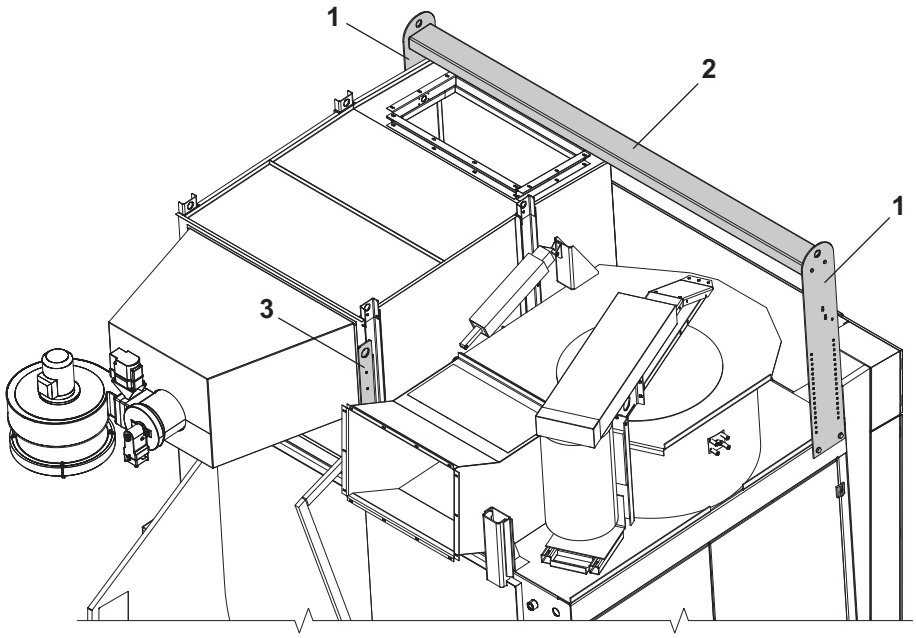
3.5. Check Cylinder Interior—Check the interior of the perforated cylinder for smoothness before placing the machine in service. Milnor cannot accept claims for damage to the cylinder's smooth finish after the machine has been placed in service.

— End of BIPD6I02 —

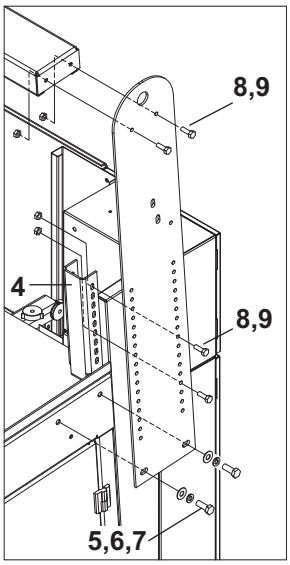
Lifting Brackets

5040TG2L/R,TS2L/R, 5050TG1L/R,TS1L/R, 6450TG1L/R
6458TG1L/R,TS1L/R, 6464TG1L/R,TS1L/R, 7272TG1L/R,TS1L/R, 7676TG1L/R 8282TG1L/R

Figure 1: 5040, 5050, 6450, 6458, 6464, 7272,7676, and 8282 Dryers (7676 Shown)

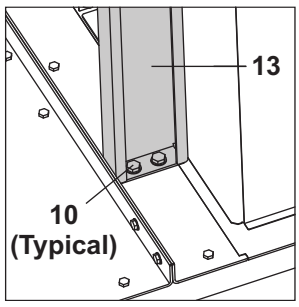


7676TG1L shown

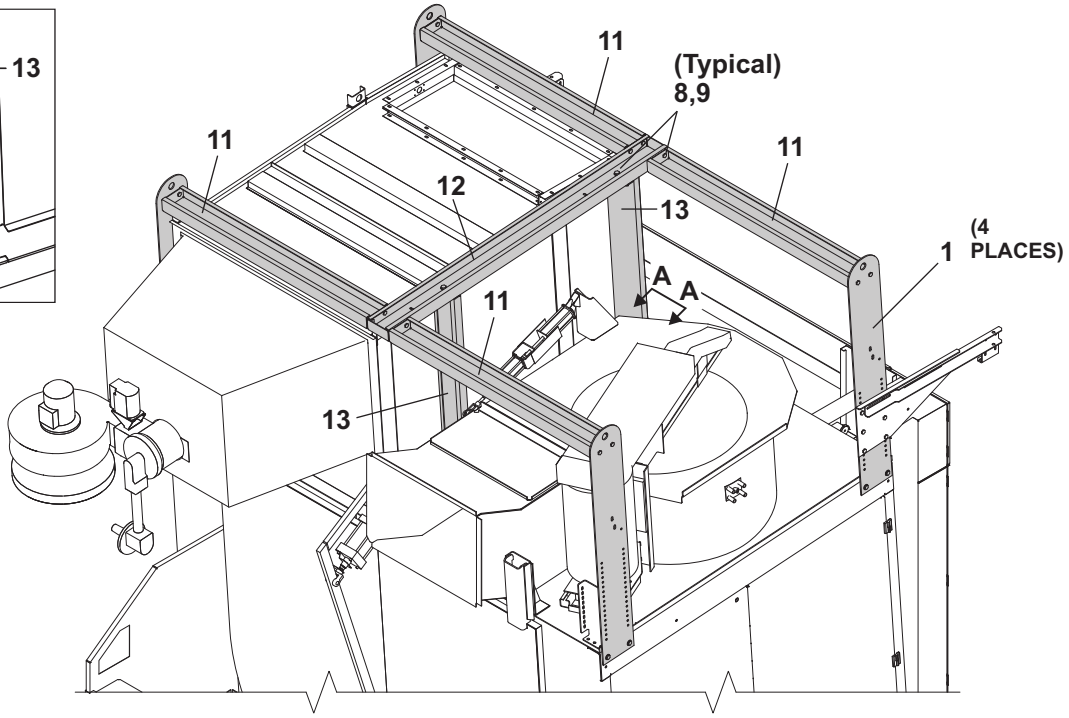


Typical Lifting Bracket Hardware

Figure 2: 8282 Dryers



View A-A



Lifting Brackets

5040TG2L/R,TS2L/R, 5050TG1L/R,TS1L/R, 6450TG1L/R
6458TG1L/R,TS1L/R, 6464TG1L/R,TS1L/R, 7272TG1L/R,TS1L/R, 7676TG1L/R 8282TG1L/R

Parts List—Lifting Brackets

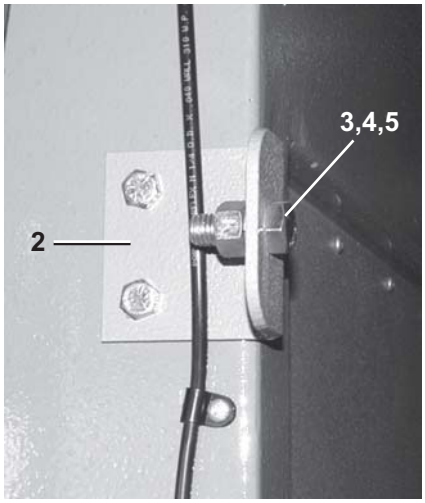
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------REFERENCE ASSEMBLIES----------	
A			5040 DRYERS	
B			5050 DRYERS	
C			6450 DRYERS	
D			6458 DRYERS	
E			6464 DRYERS	
F			7272 DRYERS	
G			7676 DRYERS	
H			8282 DRYERS	
			----------COMPONENTS----------	
ABDE	1	07 71315	DRYER LIFT BRKT STANDARD=41.50	
C	1	07 71315B	6450 DRYER LIFT BRKT=44.50	
FG	1	07 85315A	DRYER LIFT BRKT TALL=51.50	
H	1	07 88092	8282 DRYER LIFT BRKT	
AB	2	07 44075	5040 LIFT BRKT LONG SPREADER	
C	2	07 71316	6458 LIFT BRKT LONG SPREADER	
DE	2	07 81316	7272 LIFT BRKT LONG SPREADER	
H	2	07 88093	8282 SPREADER BAR CENTER STIFF	
AB	3	07 44076	5040 REAR LIFTING BRACKET	
CDEF	3	07 71183A	6458A REAR LIFTING BRACKET	
FG	3	07 71183B	DRYER REAR CHANNEL LIFTING BRACKET	
H	3	07 88096	8282 VT LIFTING BRKT	
A-F	4	07 71439	6458 RAILSUPP CORNER BRKT	
all	5	15K173A	HXCAPSCR 1/2-13UNC2AX1.75 GR5	
all	6	15U280	FL+WASHER(USS STD)1/2 ZNC PL+D	
all	7	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	8	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	9	15G198	HXFLGNUT 3/8-16 ZINC	

Dryer to Dryer Mounting Parts

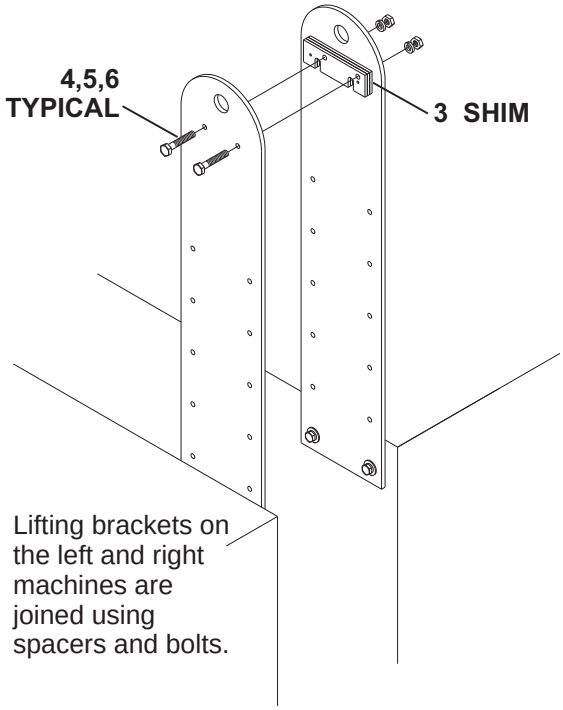
5040, 5050, 6450, 6458, 6464, 7272, 7676, 8282 Dryers

Sealing foam is applied to the right side of the left machine of the pair only. The dashed line shows where to apply the foam.
("right machine" shown in photo)



Mounting brackets are 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 on the left and right machines are joined using spacers and bolts.

See Instruction, "Dryer Installation" BIPD6I02.

Dryer to Dryer Mounting Parts

5040, 5050, 6450, 6458, 6464, 7272, 7676, 8282 Dryers

Parts List—Dryer to Dryer Mounting Parts

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	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	

Pedestal Base

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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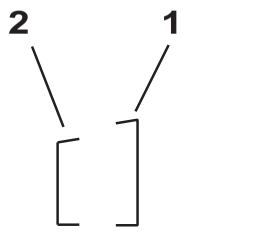
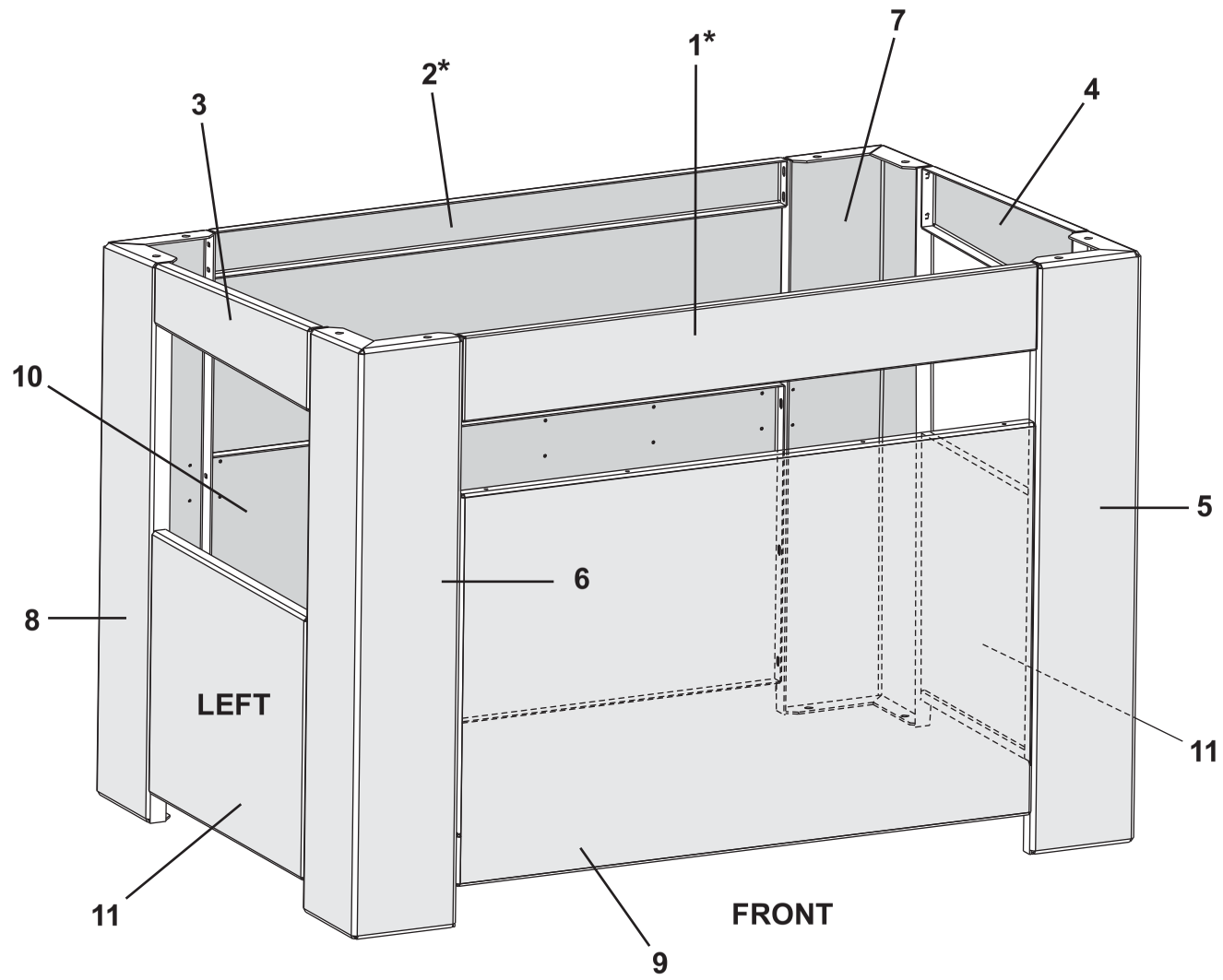
Litho in U.S.A.



REAR / FRONT CROSS BRACE

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.



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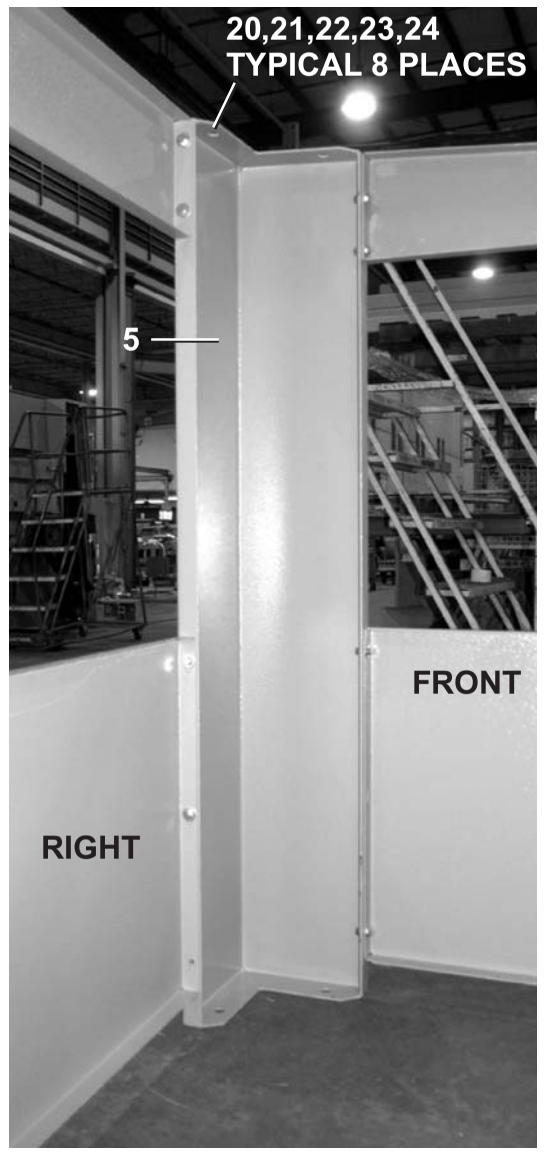

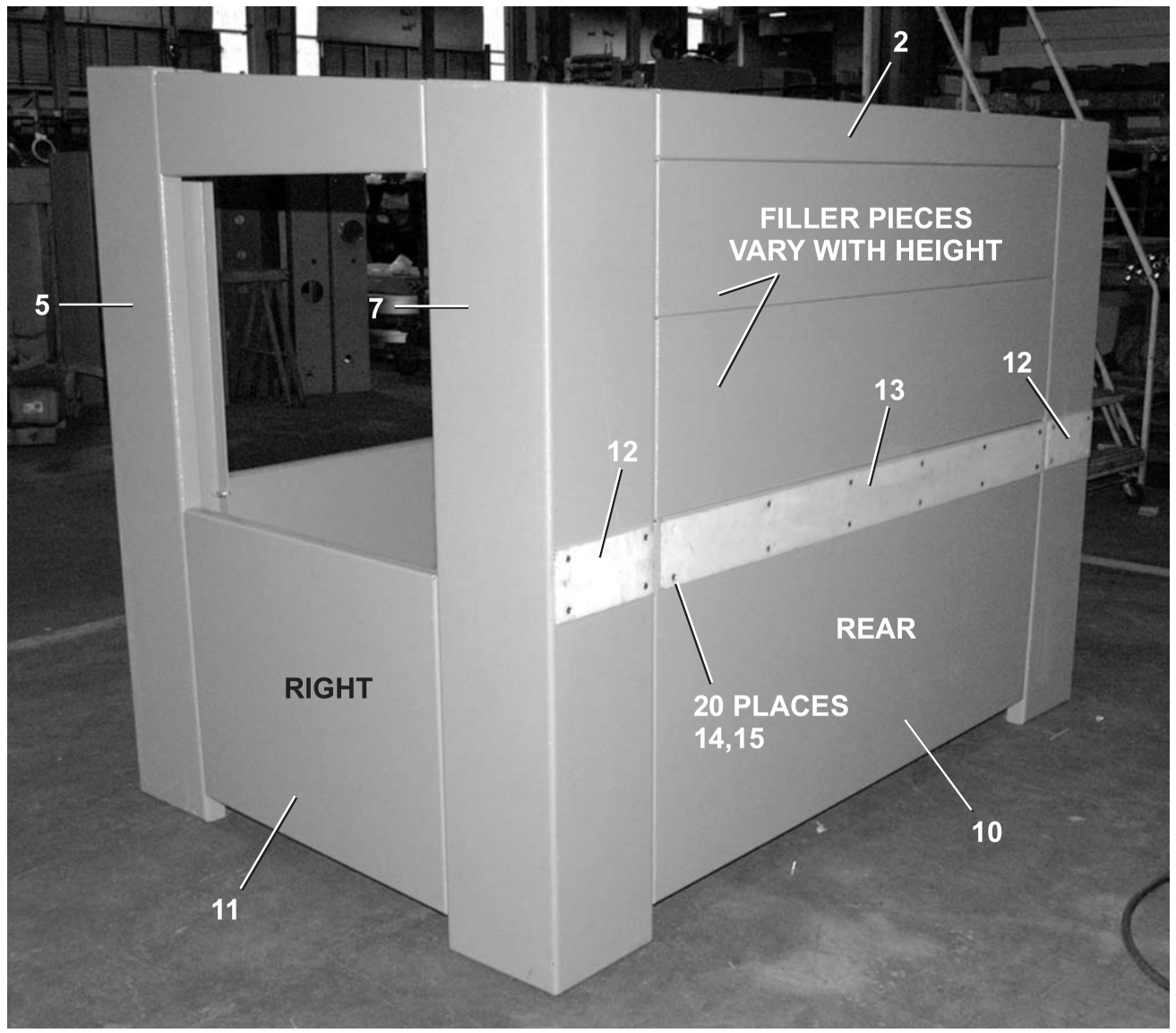

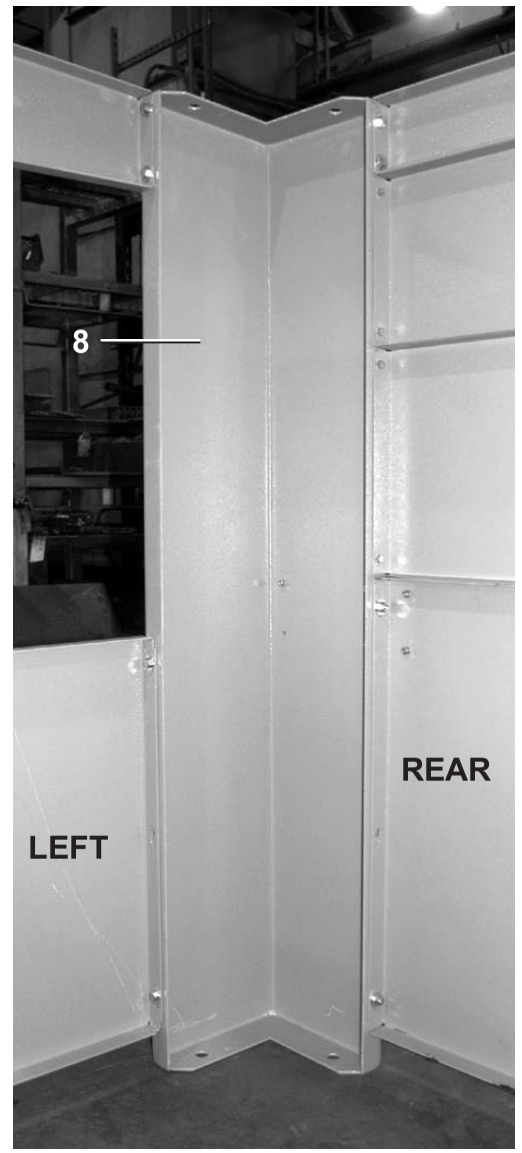

FRONT LEGS:

ITEM 5	**PART NUMBER**	07-44224	07-44101	07-44110	07-44108	07-44112	07-44114	07 44118	07-44100	07-44210
ITEM 6	**PART NUMBER**	07-44224A	07-44101A	07-44110A	07-44108A	07-44112A	07-44114A	07 44118A	07-44100A	07-44210A
PEDESTAL ORDER HEIGHT (IN.)		-3.5	0.0	10.5	14	17.5	21	28	31.5	66.5
LEG LENGTH (ITEMS 5&6) (IN.)		32.09	35.59	45.82	49.32	52.82	56.32	63.32	66.82	102.09

REAR LEGS:

ITEM 7	**PART NUMBER**	07-44225	07-44148	07-44111	07-44138	07-44135	07-44137	07 44153	07-44147	07-44209
ITEM 8	**PART NUMBER**	07-44225A	07-44148A	07-44111A	07-44138A	07-44135A	07-44137A	07 44154	07-44147A	07-44209A
PEDESTAL ORDER HEIGHT (IN.)		-3.5	0.0	10.5	14	17.5	21	28	31.5	66.5
LEG LENGTH (ITEMS 7&8) (IN.)		29.945	33.445	43.94	47.44	50.94	54.445	61.44	64.945	99.945

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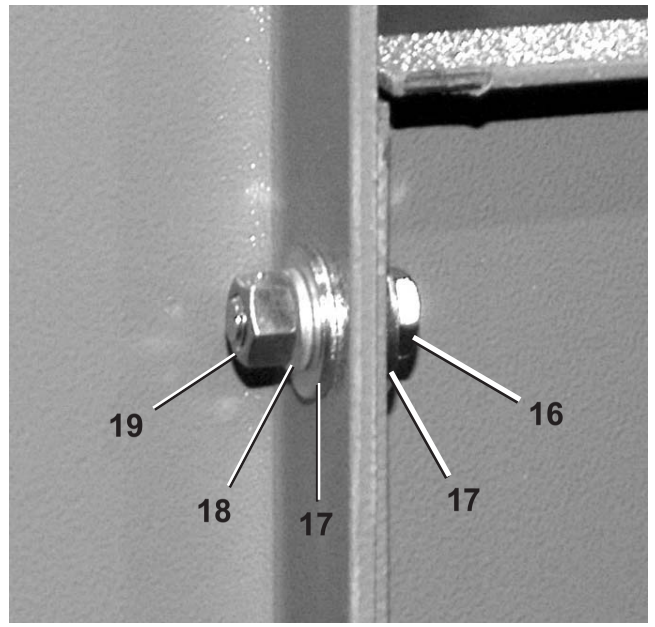
BUMPER GUARD BOLTS (20 PLACES) 14,15



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----------	
		A	NO EXTENTION LEGS	
		B	5040TG2 DRYER PEDESTAL 10.50”	
		C	5040TG2 DRYER PEDESTAL 14.00”	
		H	5050TG1 DRYER PEDESTAL 14.00”	
		D	5040TG2 DRYER PEDESTAL 17.50”	
		E	5040TG2 DRYER PEDESTAL 21.00”	
		J	5050TG1 DRYER PEDESTAL 28.00 ”	
		F	5040TG2 DRYER PEDESTAL 31.5”	
		G	5040TG2 PEDESTAL LEGS 66.50”	
			----------COMPONENTS----------	
all	1	07 44153	5040 DRYER BASE FILLER TOP FT	
BCDFG	2	07 44217	5040 DRYER BASE FILLER TOP RR	NOT USED A,E
A-G	3	07 44155A	5040 DRYER BASE FILL DRV LEFT	
HJ	3	07 44155D	5050 DRYER BASE FILL DRV LEFT	
all	4	07 44155	5040 DRYER BASE FILL DRV RITE	
HJ	4	07 44155C	5050 DRYERBASE FILL DRV RIGHT	
all	5	07 44101	5040=STD PED FRONT RIGHT	-SEE CHART >LENGTHS
all	6	07 44101A	5040=STD PED FRONT LEFT	-SEE CHART >LENGTHS
all	7	07 44148	5040=STD PED REAR RIGHT	-SEE CHART >LENGTHS
all	8	07 44148A	5040=STD PED REAR LEFT	-SEE CHART >LENGTHS
all	9	07 44154	5040 DRYER BASE FILLER FNT+RR	
ABCDH	10A	07 44158	5040=REAR PANEL STD PED	0-17.5” PEDESTALS
EFGJ	10B	07 44158A	5040=REAR PANEL 21.00 PED	21”- 66.5” PEDESTALS
A-G	11	07 44156	5040 DRYER BASE FILL DVR LOW	
HJ	11	07 44156A	5050 DRYER BASE FILL DVR LOW	
all	12	07 71404	6458 BUMPER PAD-5"WX10"LG	
all	13	07 44157	5040 BUMPER PAD 5"X42"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	

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Parts List—Pedestal Base Assembly

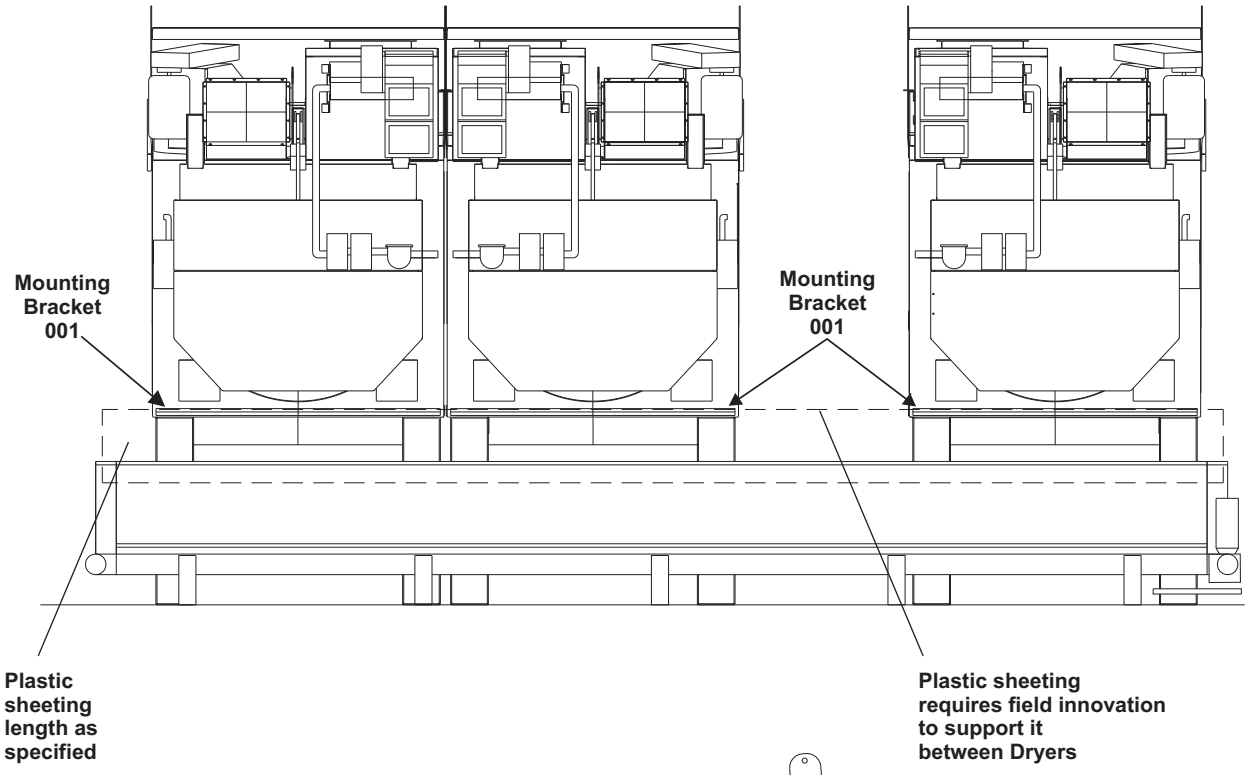
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

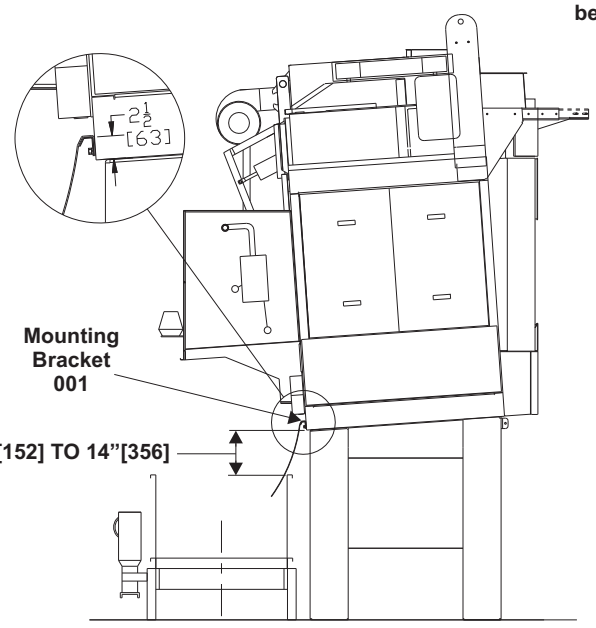
Used In	Item	Part Number	Description	Comments
all	21	15U490	FLAWASH 1+1/2X17/32X1/4ZINC	
all	22	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	23	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	24	15U280	FL+WASHER(USS STD)1/2 ZNC PL+D	

.

Unload Bridge Installation

5040, 5050, 6450, 6458, 6464, 7272, 7676, & 8282 Dryers





Unload Bridge Installation

5040, 5050, 6450, 6458, 6464, 7272, 7676, & 8282 Dryers

Parts List—Unload Bridge 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
			----------REFERENCE----------	
	A			5040 DRYERS
	B			5050 DRYERS
	C			6450, 6458 DRYERS
	D			6464 DRYERS
	E			7272 DRYERS
	F			7676 DRYERS
	G			8282 DRYERS
			----------COMPONENTS----------	
AB	1	07 44230	5040 UNLOAD BRIDGE TO CONV	
CD	1	07 71568	6458 UNLOAD BRIDGE TO CONV	
EF	1	07 71569	7272 UNLOAD BRIDGE TO CONV	
G	1	07 88094	8282 UNLOAD BRIDGE TO CONV	

Air and Ductwork Requirements for Milnor® Pass-through Dryers

Notice 1: This document, along with document BIPDUI01 "Utility Requirements For Gas, Steam and Thermal Oil Dryers", 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 document BIPDUI01 "Utility Requirements For Gas, Steam and Thermal Oil Dryers" (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 document BIPDUI01 "Utility Requirements For Gas, Steam and Thermal Oil Dryers" (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

It is often necessary to connect ductwork between the dryer main air inlet and outside air. It is always necessary to connect ductwork between the dryer air exhaust outlet and the exterior of the building.

2.1. Is Inlet Ductwork Necessary?—Use inlet ductwork to avoid negative air or 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.

negative air—the condition in which air usage by equipment creates a negative air pressure in the room where the equipment is located relative to outside air pressure and starves the equipment of air

CAUTION 3: Fire hazard—Negative air will draw heat from a gas dryer into the room it is in. Nearby objects, such as roof beams can become very hot.

- Provide inlet ductwork when negative air would otherwise occur.

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 4: 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 5: 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 6: 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.

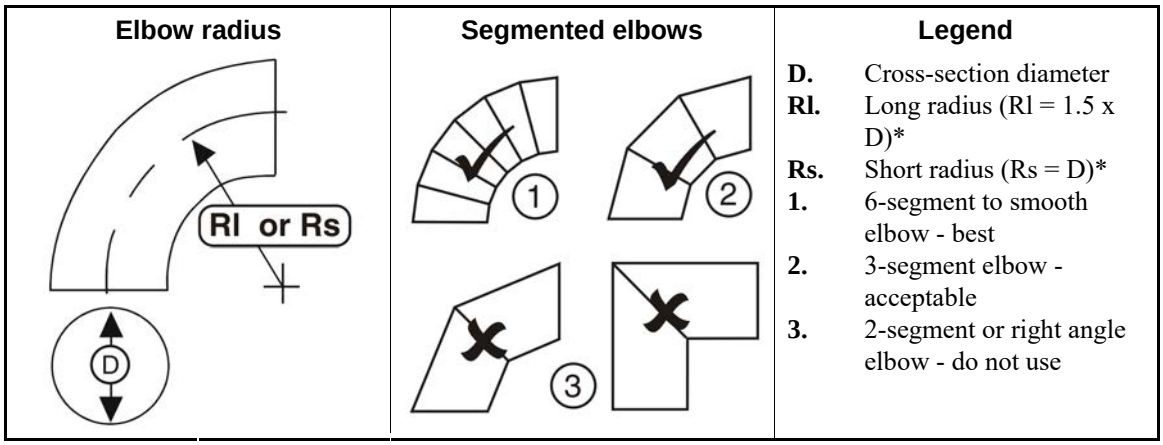
Today, facility designers generally prefer internal lint screens (a Milnor option) or close-coupled lint collection systems installed on each dryer. However, if the facility uses a common powered lint collection system, you can connect the air exhaust from two or more dryers to this system if you run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

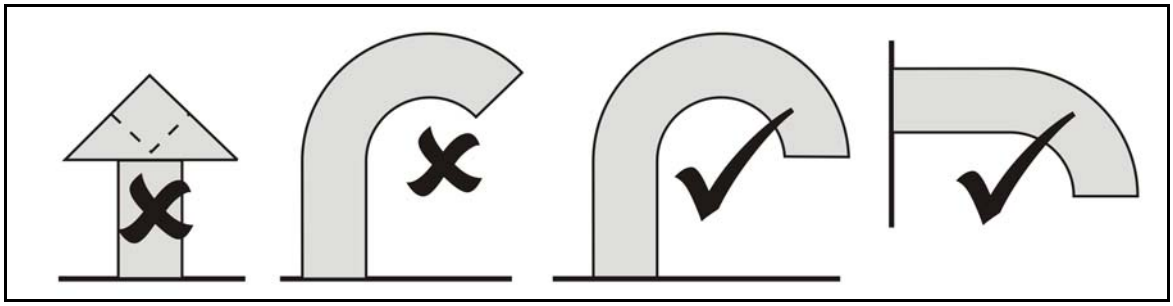
Figure 1: Round duct elbow fabrication



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											
6450	6000 (169901)	2400 (732)	22 (559)	20 (508)	19 (483)	0.30 (245)	0.09 (22)	0.06 (15)	0.18 (45)	0.14 (35)	14.25 (362)	0.12 (30)
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 8282	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.**

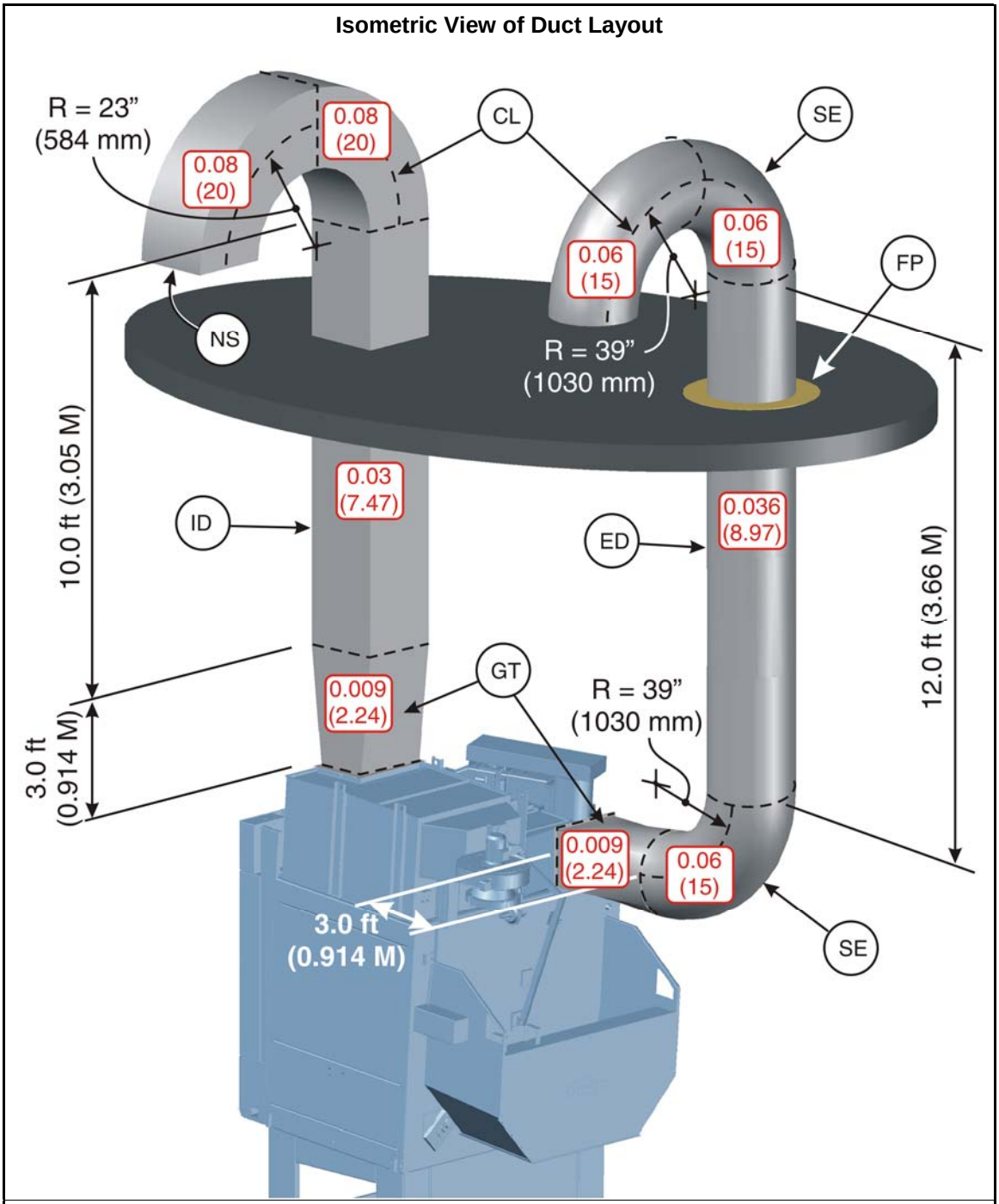
**** Equivalent means that the rectangular cross sections have the same pressure drop as the round cross-section.**

***** 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



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 —

Utility Requirements For Gas, Steam and Thermal Oil Dryers

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This document applies to all Milnor® pass-through dryer models. It specifies heating fuel and air intake requirements and gives general information on all utility connections. Additional information about utility connections is located in the following documents:

dimensional drawing for your machine gives pipe sizes, connection types, and connection locations

laundry layout drawings for your system gives the control connections, which are system-dependent

document BNDGUI01 "Air and Ductwork Requirements for Milnor®Pass-through Dryers" gives design criteria for customer-supplied inlet and outlet ductwork

external fuse and wire document for your machine gives customer-supplied fuse, circuit breaker, and wire sizes for the available machine voltages

machine nameplate gives the voltage for your machine

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

1. Piped inlets and outlets: heating fuel (natural gas, propane, steam, or thermal oil), sprinkler (cold) water, compressed air, gas line vent, gas test tap, steam condensate return, vacuum breaker drain.
2. Ducted inlets and outlets: main air intake, main air exhaust
3. Electric power connections and removal of related shipping restraint
4. Control connections
5. Bumper guard attachment

1. Plumbing and Other Mechanical Connections

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1.1. Hazards and Precautions

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1.1.1. All Models

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WARNING: **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).

CAUTION: **Machine Damage Hazards —** Valve bodies have fragile components.

- Do not distort valve bodies. Hold tension against these valves with a wrench on the side of the valve onto which the pipe is being connected to prevent twist distorting the valve.
- Always install unions and shut off valves at the water and steam connection points to permit removal of the machine components for servicing.

1.1.2. Gas and Propane Models

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WARNING: **Explosion and Fire Hazards —** Improperly installed gas-fired devices can release gas.

- 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.
- Electrically ground the machine 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.
- Install a minimum 1/2 inch NPT plugged tap, accessible for test gauge connection, immediately upstream of the gas supply connections to the dryer.
- Install vent lines on any regulator vents and vent this gas to the outdoors.

WARNING: **Explosion, Fire, and Machine Damage Hazards —** Excessive gas pressure can damage gas train components, possibly resulting in the release of gas.

- Make sure that the pressure of gas entering the dryer is regulated to the maximum specified in this document.
- Isolate the dryer from the gas supply for any pressure testing of the incoming gas supply line.

1.1.3. Steam and Thermal Oil Models

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

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

1.2. Heating Fuel and Air Intake Requirements

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These requirements are given in the following two tables. The first table covers models in production on or after January 1, 2016. The second table covers models that were no longer in production as of January 1, 2016.

The nameplate designations for certain newer dryer models (the first table) changed from a 5-digit numeric prefix to a 4-digit numeric prefix, but the specifications remain the same. If you have one of these models, your nameplate may show 5050_ or 50050_, 6450_ or 64050_, 6458_ or 64058_, 6464_ or 64064_.

Newer gas dryer models (the first table) include the 5050_ (or 50050_) models which are only available with the air heat burner design, the 6450_ (or 64050_), 7676_, and 8282_ models, which are only available with the ratio air burner design, and the 6458_ (or 64058_) and 6464_ (or 64064_) models, which are available with either burner design. Older dryer models (the second table) were only available with air heat or older burner design

Table 1. Gas, Steam, and Air Intake - Newer Dryer Models

Model number prefix	5050_ 50050_	6450_ 64050_	6458_ 64058_	6464_ 64064_	7676_	8282_
Capacity basis - lb (kg)	**150 (68)**	**220 (100)**	**250 (113)**	**300 (136)**	**500 (227)**	**630 (2860)**
Gas inlet with air heat burner (natural gas and propane models)						
Maximum Btu/hr (kcal/hr) at x" (mm) water column	950,000 (240,000) @ 13.5" (343)	1,500,000 (378,246) @ 13.5" (343)	1,800,000 (453,000) @ 13.5" (343)	1,800,000 (453,000) @ 13.5" (343)	n.a.	n.a.
Average Btu/hr (kcal/hr) at x" (mm) water column	495,000 (124,738) @ 13.5" (343)	725,000 (182,819) @ 13.5" (343)	825,000 (207,900) @ 13.5" (343)	990,000 (249,480) @ 13.5" (343)	n.a.	n.a.
Gas inlet with ratio air burner (natural gas and propane models)						
Maximum Btu/hr (kcal/hr) at x" (mm) water column	n.a.	1,300,000 (327,800)	1,800,000 (453,000)	1,800,000 (453,000)	3,000,000 (756,000)	pending

Gas, Steam, and Air Intake - Newer Dryer Models (cont'd.)

Model number prefix	5050_ 50050_	6450_ 64050_	6458_ 64058_	6464_ 64064_	7676_	8282_
		@ 25" (635)	@ 25" (635)	@ 25" (635)	@ 40" (1016)	
Average Btu/hr (kcal/hr) at x" (mm) water column	n.a.	726,000 (182,952) @ 25" (635)	825,000 (207,900) @ 25" (635)	990,000 (249,480) @ 25" (635)	1,650,000 (415,793) @ 40" (1016)	2,079,000 (523,899) @ 40" (1016)
Steam inlet (steam models)						
Maximum Lb/Hr (kg/hr)	820 (372)	pending	1,990 (903)	1,990 (903)	3,223 (1462)	pending
Average Lb/Hr (kg/hr)	382 (173)	561 (254)	638 (289)	765 (347)	1,275 (578)	1,606 (728)
Maximum boiler horse-power (kw)	23.8 (10.8)	pending	57.7 (26.2)	57.7 (26.2)	93.4 (42.4)	pending
Average boiler horse-power (kw)	11.1 (8.3)	16.3 (12.1)	18.5 (13.8)	22.2 (16.5)	37.0 (27.6)	46.6 (34.7)
Thermal oil inlet (thermal oil models) - Consult Milnor® factory						
Main air intake						
Maximum scfm (cu m/min)	3,600 (102)	6,000 (170)	8,500 (241)	8,500 (241)	14,000 (396)	14,000 (396)
Maximum allowable back pressure	0.5" water column					
Combustion (non-ducted, ambient) air intake with air heat burner (natural gas and propane models)						
Maximum scfm (cu m/min) to blower	250 (7)	715 (20)	715 (20)	715 (20)	n.a.	n.a.
Maximum scfm (cu m/min) to fire box	400 (11)	500 (14)	500 (14)	500 (14)	n.a.	n.a.
Total	650 (18)	1,215 (34)	1215 (34)	1215 (34)	n.a.	n.a.
Combustion (non-ducted, ambient) air intake with ratio air burner (natural gas and propane models)						
Maximum scfm (cu m/min) to blower	n.a.	400 (11)	400 (11)	400 (11)	600 (17)	pending

Table 2. Gas, Steam, and Air Intake - Older Dryer Models

Model number prefix	5040_ 50040_	58040_	58058_	58080_	72072_ with tower	72072_ no tower
Capacity basis - lb (kg)	110 (50)	150 (68)	220 (100)	300 (136)	425 (193)	425 (193)
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)	2,700,000 (680,000) @ 18" (457)	2,700,000 (680,000) @ 18" (457)
Average Btu/hr (kcal/hr) at x" (mm) water column	363,000 (91,476) @ 13.5" (343)	495,000 (124,738)	726,000 (182,952)	990,000 (249,480)	1,402,500 (353,430)	1,402,500 (353,430)

Gas, Steam, and Air Intake - Older Dryer Models (cont'd.)

Model number prefix	5040_ 50040_	58040_	58058_	58080_	72072_ with tower	72072_ no tower
		@ 13.5" (343)	@ 13.5" (343)	@ 13.5" (343)	@ 18" (457)	@ 18" (457)
Steam inlet (steam models)						
Maximum lb/hr (kg/hr)	600 (272)	600 (272)	950 (431)	1300 (590)	n.a.	n.a.
Average lb/hr (kg/hr)	127 (280)	173 (382)	561 (254)	765 (347)	n.a.	n.a.
Maximum boiler horse-power (kw)	17.4 (7.9)	17.4 (7.9)	27.5 (12.5)	37.7 (17.1)	n.a.	n.a.
Average boiler horse-power (kw)	8.1 (3.7)	11.1 (5.0)	16.3 (7.4)	22.2 (10.1)	n.a.	n.a.
Thermal oil inlet (thermal oil models) - Consult Milnor® factory						
Main air intake						
Maximum scfm (cu m/ min)	3,600 (102)	3,600 (102)	5,000 (142)	6,800 (193)	10,000 (283)	14,000 (396)
Maximum allowable back pressure	0.5" (water column)					
Combustion (non-ducted, ambient) air intake (natural gas and propane models)						
Maximum scfm (cu m/ min) to blower	250 (7)	250 (7)	400 (11)	500 (14)	715 (20)	715 (20)
Maximum scfm (cu m/ min) to fire box	400 (11)	n.a.	n.a.	n.a.	900 (25)	900 (25)

1.3. Other Mechanical Requirements

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Main air intake and exhaust ducting Per document BNDGUI01 “Air and Ductwork Requirements for Milnor® Pass-through Dryers.”

Sprinkler water inlet Minimum 35 PSI (2.4 ATU). Must reliably provide 60 USg (227 liters) per minute for fire safety.

Compressed air inlet Clean and dry 85 PSI (5.8 ATU) to 110 PSI (7.5 ATU)

Compressed air inlet for optional internal lint filter 85 PSI (5.8 ATU) to 110 PSI (7.5 ATU). Air usage estimate: 110 scf (3.1 cubic meter) in 15 seconds when activated.

Customer-supplied connector between the gas inlet and the gas supply piping a listed connector in compliance with ANSI Z21.24 CSA 6.10 “Standard for Connectors for Gas Appliances”

Customer-supplied tap (gas/propane models) 1/2" NPT plugged tap, accessible for test gauge connection. Install immediately upstream of the gas supply connections to the dryer.

Gas line vent (gas/propane models) 1/4" stainless steel. Must be vented from the regulator vent to the exterior of the building.

Steam condensate outlet (steam models) Per plumbing code. Return condensate to boiler through a steam trap of the correct size. Two steam traps are available from Milnor®: One for 85 - 180 PSI (6 - 12 ATU) and one for 160 - 225 PSI (11 - 15 ATU).

Vacuum breaker (steam models) Vent the tube to the sewer.

2. Electrical Connections

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2.1. Hazards and Precautions

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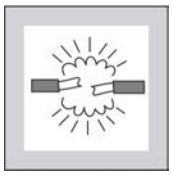
WARNING: Severe injury and machine damage hazards — Electric power can shock or electrocute you. Incorrect electrical connections can damage machine components.

- Do not attempt electric power connections unless qualified and authorized.
- Prior to making power connections, read the instructions on all related tags.
- Connect the “stinger leg” if any, only to terminal L3, never to terminals L1 or L2.
- Verify all motor rotation. If the cylinder turns in the wrong direction, interchange the wires connected to L1 and L2. Never move L3.

CAUTION: Machine Damage Hazards — The blower motor or other drive components can be destroyed if the blower bearing shipping restraint is incorrectly handled.

- Perform the steps given in 2.2: Remove Blower Shipping Bracket and Reconnect Motor Contactor Coil, page 6 .

CAUTION: Risk of malfunction and damage — Wiring errors can cause damage and incorrect operation.



- Label all wires if you must disconnect them to service the control.

2.2. Remove Blower Shipping Bracket and Reconnect Motor Contactor Coil

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The machine was shipped with a blower shipping restraint (Figure 1: Blower Shipping Restraint, page 7). This bracket immobilizes the blower bearing, preventing bearing damage during shipping. Connections to one side of the blower motor contactor coil (Figure 2: Reconnect Blower Contactor Coil Wires, page 7), are removed after testing, to prevent blower operation with bracket in place. When the machine is in its final position, remove the restraint and reconnect the contactor coil as follows:

1. Unbolt and remove red restraint.
2. Install the belt guard.
3. Locate the blower contactor inside the high voltage electric box.
4. Match the tagged coil wire with the tagged contactor coil terminal and reconnect.

Figure 1. Blower Shipping Restraint

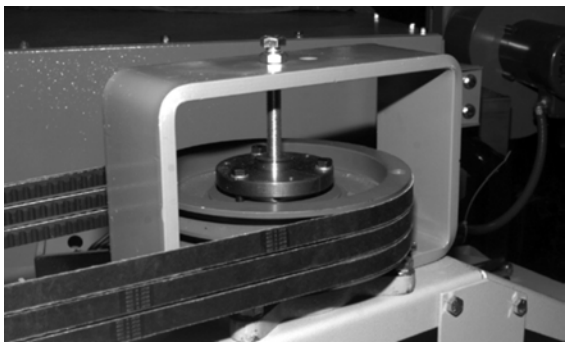

Figure 2. Reconnect Blower Contactor Coil Wires

2.3. Electric Power Connection Capacities

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The customer must furnish a remotely mounted disconnect switch with lag type fuses or circuit breakers, and wiring between this box and the fuse box on the machine. Refer to the machine nameplate and the external fuse and wire document for your machine to determine the sizes of these fuses or circuit breakers, and wires.

2.4. Control Connections

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Refer to the layout drawings for your laundering system.

3. Bumper Guard Installation

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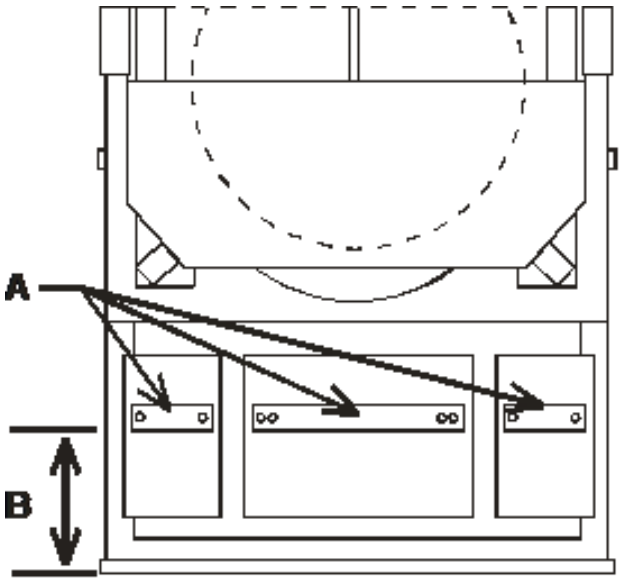
The machine is supplied with bumper guards which must be installed on the rear of the machine when the machine is on site. The guards protect the machine from the constant impact of laundry carts placed under the discharge door. Hence the height at which the guards are installed must match the height of the carts used. See Figure 3 .

Figure 3. Bumper Guard Installation

Where to install bumpers	Legend
	**A . . .** Bumper guards **B . . .** Height determined by user

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Service and Maintenance 3

Set the Heating System—Air Heat Dryer

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This document applies to gas dryers with an *air heat* burner. See document BNDGUM02 for gas dryers with a *ratio air* burner.

1. About the Procedure

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The differences between an *air heat* burner and a *ratio air* burner are important with regard to replacement parts and the procedure you use to set or confirm the correct gas and air flows.

Table 1. Current Dryer Models and Burner Types

Burner Type / Dryer Model	5050TG1_	6450TG1_	6458TG1_	6464TG1_	7676TG1_	8282TG1_
Air Heat	only	optional	standard	standard		
Ratio Air		standard	optional	optional	only	only

It can be necessary to set the heating system 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.

Necessary test equipment includes:

- A manometer such as Dwyer model 3T294.
- Tubes and fittings to connect to the taps (test ports) shown herein.
- In some cases, a fitting with a valve to control the gas released from the tap.

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. Some terms used in this instruction are:

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** (primarily for the USA and Canada) and **Landis + Gyr** (primarily for Europe).

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 fluid 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 the two types of flame control stated above 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 the following table. This instruction 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 2. 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 (dry code) method
Propane, Europe	Landis + Gyr	Manual (dry code) method
Natural Gas, Australia	Landis + Gyr	Manual (dry code) method
Propane, Australia	Landis + Gyr	Manual (dry code) method
Natural Gas, Holland	Landis + Gyr	Manual (dry code) method

2. Summary of Steps and Required Values (Air Heat)

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Table 3. Applicable Models

Step		Gauge Points [1]	5050TG_		6450TG_		6458TG_, 6464TG_		7272TG_	
			Fireye	L+G	Fireye	L+G	Fireye	L+G	Fireye	L+G
1	**Static (incoming) gas pressure [2]**	GGS	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)	13.5 (33.6)
2	**Combustion air pressure**	GAC and GRC	0.4 (1)	0.14 (.35)	0.6 (1.5)	0.6 (1.5)	0.6 (1.5)	0.6 (1.5)	0.6 (1.5)	0.6 (1.5)
	Combustion air damper		full open	full open	0.9 (.22)	0.9 (.22)	0.9 (.22)	0.9 (.22)	0.9 (.22)	0.9 (.22)
3	**Main air pressure test**		—	—	1.6 (4)	1.6 (4)	1.6 (4)	1.6 (4)	1.6 (4)	1.6 (4)
	Main air pressure final	GAM	0.7 (1.7)	0.7 (1.7)	2.4 (6)	2.4 (6)	2.4 (6)	2.4 (6)	2.4 (6)	2.4 (6)
4	**Pilot gas regulator**	GGP	1.3 (3.2)	1.3 (3.2)	1.6 (4)	1.3 (3.2)	1.6 (4)	1.3 (3.2)	1.6 (4)	1.3 (3.2)
	Pilot flame – natural gas		1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)	1 (2.5)
	Pilot flame – propane	n.a.	—	—	Turn adjusting screw one full turn.				—	—
	Outlet pressure spring – propane only	n. a.	—	—	1.3				—	—
5	**Gas regulator**	GGR	4.5 (11.2)	4.5 (11.2)	6.5 (16.2)	6.5 (16.2)	6.5 (16.2)	6.5 (16.2)	5.5 (13.7)	5.5 (13.7)
6	**Minimum fire temperature ABOVE AMBIENT**	n. a.	**Natural gas:** 70º F (21º C) to 80º F (27º C) (view on display)							
		n. a.	—	—	**Propane:** Set minimum fire (min Y) on the modulating gas valve to 17				—	—
	Damper setting	n. a.	2							
7	**High gas pressure**	GGH	5.6 (14)	5.6 (14)	8.13 (20.3)	8.13 (20.3)	8.13 (20.3)	8.13 (20.3)	6.87" (17.1)	6.87" (17.1)

Applicable Models (cont'd.)

Step		Gauge Points [1]	5050TG_		6450TG_		6458TG_, 6464TG_		7272TG_	
			Fireye	L+G	Fireye	L+G	Fireye	L+G	Fireye	L+G
8	**Low gas pressure**	GGL	2.25 (5.6)	2.25 (5.6)	3.25 (8)	3.25 (8)	3.25 (8)	3.25 (8)	2.75 (6.8)	2.75 (6.8)
9	**Burner box pressure**	GAB	0.06 (0.15)	0.04 (1)	0.06 (0.15)	0.06 (0.15)	0.06 (0.15)	0.06 (0.15)	0.06 (0.15)	0.06 (0.15)
10	**Back pressure**	n. a.	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)	0.8 (2)

1. The reference point is atmosphere unless two values are shown for the gauge point.
2. Must not exceed. A pressure that exceeds the maximum can damage the regulator.

3. Component Locations

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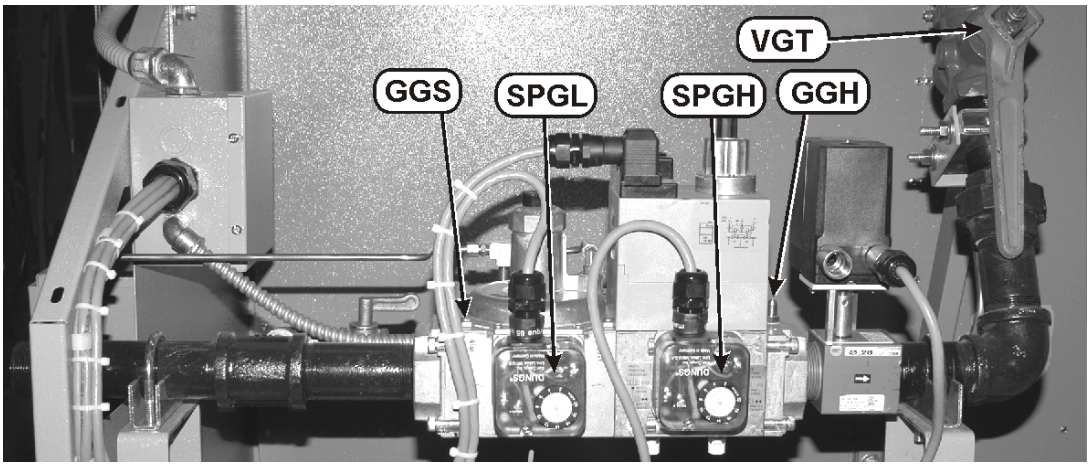
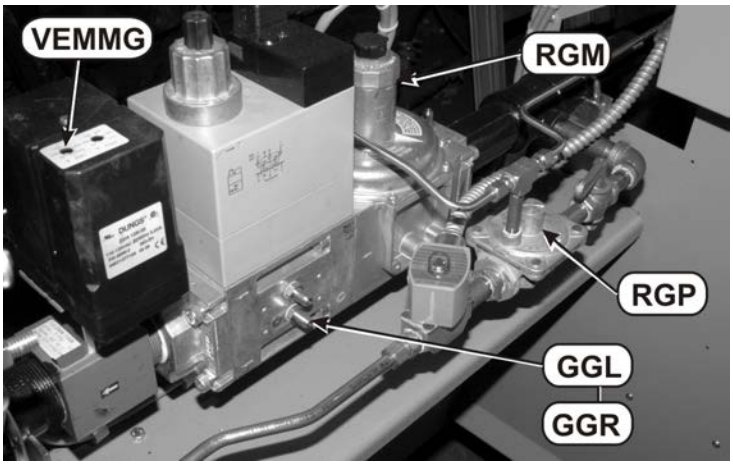
Figure 1. Gas Adjustment Components (5040TG2_ shown. Other models are similar.)

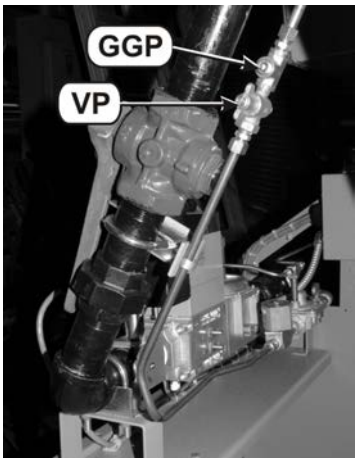
Front View



Rear View



Pilot Line



Legend

1. Handle (shown in open position)
2. Cover screw
3. Adjustment screw
4. **GGS** - Static (incoming) gas pressure gauge point
5. **GGH** - Maximum main gas pressure gauge point
6. **GGL** - Minimum main gas pressure gauge point
7. **GGR** - Regulated main gas pressure gauge point
8. **GGP** - Pilot gas pressure gauge point
9. **RGM** - Main gas regulator
10. **RGP** - Pilot gas regulator
11. **SPGL** - Low gas pressure switch
12. **SPGH** - High gas pressure switch
13. **VEMMG** - Modulating gas valve (adjustment screw)
14. **VGT** - Manual test valve
15. **VP** - Pilot gas cock

Pilot Gas Cock (VP)

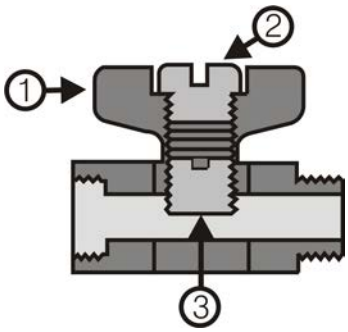
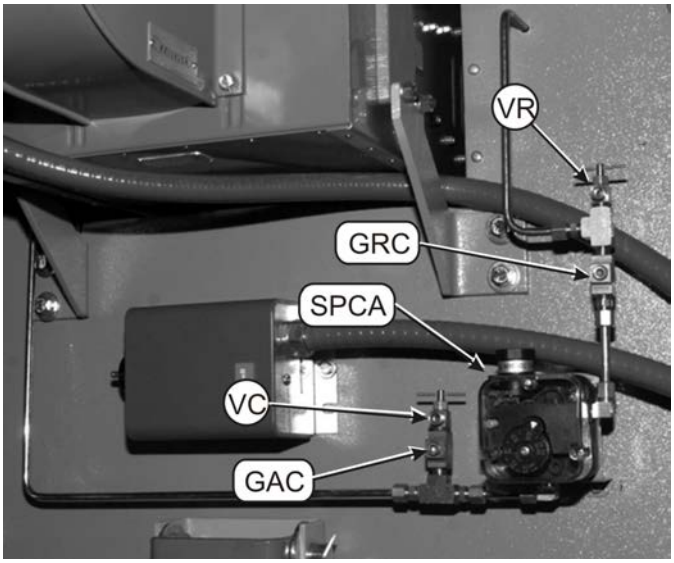
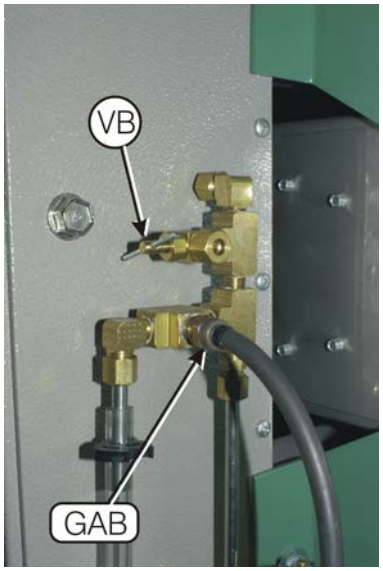


Figure 2. Air Adjustment Components (5040TG2_ shown. Other models are similar.)

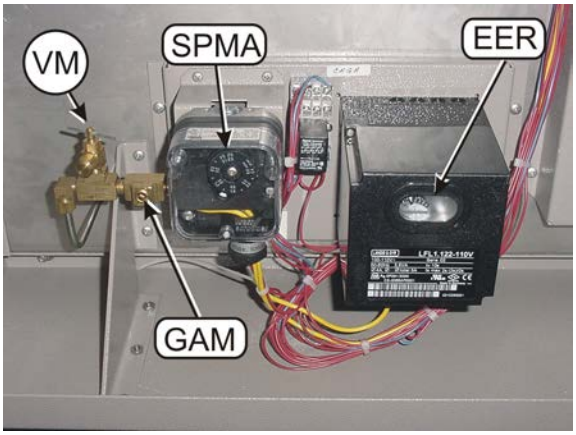
Combustion Air



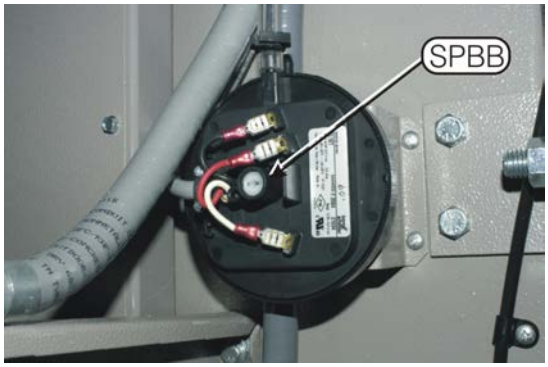
Burner Box Air



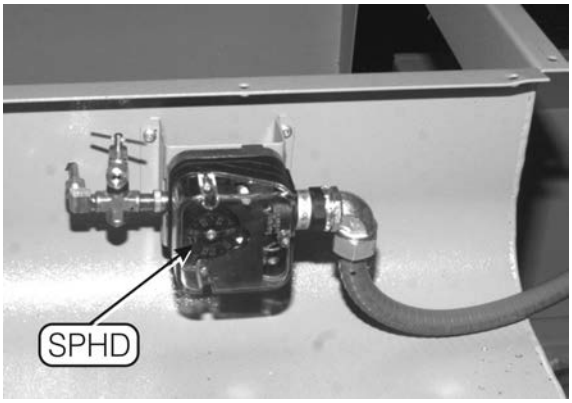
Main Air (Landis + Gyr shown)



Burner Box Pressure Switch



Back Pressure Switch



Legend

1. **GAB** - Burner box air pressure gauge point
2. **GAC** - Combustion air primary gauge point
3. **GRC** - Combustion air reference gauge point
4. **GAM** - Main air gauge point
5. **VB** - Burner box air pressure needle valve
6. **VC** - Combustion air primary needle valve
7. **VR** - Combustion air reference needle valve
8. **VM** - Main air needle valve
9. **SPBB** - Burner box pressure switch (adjustment screw)
10. **SPCA** - Combustion air pressure switch
11. **SPHD** - Back pressure switch
12. **SPMA** - Main air pressure switch
13. **EER** - Landis + Gyr flame control reset

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

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Do Step 1 (see Section 5 : Adjustment Steps, page 8) 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 4.1 : Setup Mode (Fireye flame control), page 6). If your machine has a Landis + Gyr flame control, use the **Manual method** (see Section 4.2 : Manual method (Landis + Gyr flame control), page 7).

WARNING: **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: **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.

4.1. Setup Mode (Fireye flame control)

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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

4.2. Manual method (Landis + Gyr flame control)

BNDGUM01.C06 0000337054 C.2 A.5 3/24/21, 1:08 PM Released

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

5. Adjustment Steps

BNDGUM01.C07 0000337473 C.2 A.3 4/6/21, 11:59 AM Released

Refer to Section 2 : Summary of Steps and Required Values (Air Heat), page 2 while you do these procedures. In these steps, mount the manometer vertically and use the high pressure scale, except where stated otherwise.

WARNING: **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.

WARNING: **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.

5.1. Step 1: Static (incoming) gas pressure

BNDGUM01.C08 0000337472 C.2 A.3 3/24/21, 9:39 AM Released

1. Remove electrical power and gas from the machine.
2. Look at Figure 1, page 4. 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 2 , page 2. This pressure is necessary for further adjustments. Pressures higher than specified can damage the regulator.

5.2. Step 2: Combustion air pressure

BNDGUM01.T01 0000337471 C.2 A.4 4/5/21, 4:24 PM Released

Fireye Start the Setup procedure and select SETUP MODE A (Section 4.1 , page 6) . 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 4.2 , page 7). 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, page 5. 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 2 , page 2. 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.

5.3. Step 3: Main air pressure

BNDGUM01.T02 0000337470 C.2 A.4 5/12/21, 2:30 PM Released

Fireye machines Select SETUP MODE B (see Section 4.1 , page 6). The damper will fully open.
Landis + Gyr machines Set the damper fully open (D=0). See Section 4.2 , page 7.

1. Look at Figure 1, page 4. 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 test value shown in Section 2 , page 2.
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. The manometer should display the final value shown in Section 2 , page 2.

5.4. Step 4A: Regulated pilot gas pressure

BNDGUM01.T03 0000338555 C.2 A.3 3/24/21, 9:39 AM Released

Fireye machines Select SETUP MODE C (see Section 4.1 , page 6). 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.

Explosion and Fire Hazard — Improper procedures can release gas.

- Follow instructions carefully.

1. Look at Figure 1, page 4. 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 2 , page 2.

5.5. Step 4B: Pilot flame gas pressure

BNDGUM01.T04 0000338566 C.2 A.2 3/24/21, 9:39 AM Released

If the flame control trips during this step, press = and  to reset it.

1. Look at Figure 1, page 4. 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 2 , page 2.
4. Replace the cover screw (2) in **VP**.
5. Open **VGT**.

5.6. Step 5: Regulated main gas pressure

BNDGUM01.T05 0000338565 C.2 A.3 3/24/21, 9:39 AM Released

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 4.1 , page 6). 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 4.2 , page 7.

1. Make sure **VGT** is open fully
2. Look at Figure 1, page 4. 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 2 , page 2.

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.

5.7. Step 6: Low fire temperature

BNDGUM01.T06 0000338564 C.2 A.3 3/24/21, 9:39 AM Released

Fireye machines Select SETUP MODE E (see Section 4.1 , page 6). 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 4.2 , page 7.

1. Look at Figure 1, page 4. 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 2 , page 2. 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.

5.8. Step 7: High gas pressure

BNDGUM01.T07 0000338595 C.2 A.3 4/5/21, 4:26 PM Released

Fireye machines Select SETUP MODE E (see Section 4.1 , page 6). 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 4.2 , page 7.

1. Look at Figure 1, page 4. 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 2 , page 2.
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.

5.9. Step 8: Low gas pressure

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Fireye machines Select SETUP MODE E (see Section 4.1 , page 6). 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 4.2 , page 7.

1. Look at Figure 1, page 4. 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 2 , page 2.
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.

5.10. Step 9: Minimum burner box air pressure

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Fireye machines Select SETUP MODE E (see Section 4.1 , page 6). 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 4.2 , page 7.

1. Look at Figure 2, page 5. 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 2 , page 2.
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.

5.11. Step 10: Maximum back (air) pressure

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The dial on **SPHD** (see Figure 2, page 5) is set at the factory to the value specified in Section 2 , page 2. 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 document: BNDGUM01

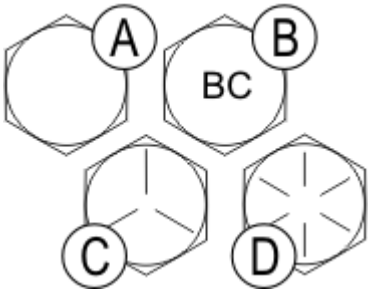
BIUUUM04 (Published) Book specs- Dates: 20180109 / 20180109 / 20180109 Lang: ENG01 Applic: UUU

Torque Requirements for Fasteners

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

The document about the assembly gives the torque requirements for other fasteners. **If fastener torque specifications or threadlocker requirements in an assembly document are different from this document, use the assembly document.**

Figure 1: The Bolts in Milnor® Equipment

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

1. Torque Values

These tables give the standard dimension, grade, threadlocker, and torque requirements for fasteners frequently used on Milnor® equipment.

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

1.1. Fasteners Made of Carbon Steel

1.1.1. Without a Threadlocker

Table 1: Torque Values for Standard Fasteners with Maximum 5/16-inch Diameters and No Lubricant

	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
Dimension	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 Standard Fasteners Larger Than 5/16-inch Diameters and No Lubricant

	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
Dimension	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 with Maximum 5/16-inch Diameters and No Lubricant

	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
Dimension	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 Diameters and No Lubricant

	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
Dimension	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 a Threadlocker

Table 5: Threadlocker by the Diameter of the Bolt (see Note 2)

	Dimension			
LocTite Product	1/4-inch	1/4- to 5/8-inch	5/8- to 7/8-inch	1-inch +
LocTite 222	OK			
LocTite 242		OK		
LocTite 262			OK	
LocTite 272			High temperature	
LocTite 277				OK

Note 2: The acceptable bolt size ranges for various LocTite® threadlocking products is the LocTite manufacturer's **general** recommendation. Specific applications sometime require that a LocTite product is applied to a bolt size outside the ranges shown here. For example, Milnor specifies LocTite 242 for use on certain 1" bolt applications and has confirmed this usage with the LocTite manufacturer. You may see variances such as this in the documentation for specific machine assemblies.

Table 6: Torque Values if You Apply LocTite 222

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	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 if You Apply LocTite 242

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	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 if You Apply LocTite 262

Dimension	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
	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 if You Apply LocTite 272 (High-Temperature)

	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
Dimension	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 if You Apply LocTite 277

	The Grade of the Bolt							
	Grade 2		Grade 5		Grade 8		Grade BC	
Dimension	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	
Dimension	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

	316 Stainless		18-8 Stainless		18-8 Stainless with Loctite 767	
Dimension	**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 2: Fire Hazard—Some solvents and primers are flammable.

- Use threadlocker and primers with sufficient airflow.
- Do not use flammable material near ignition sources.

1. Clean all threads with a wire brush or a different tool.
2. Remove the grease from the fasteners and the mating threads with solvent. Make the parts dry.

   Note 3: LocTite 7649 Primer™ or standard solvents will remove grease from parts.

3. Apply a spray of LocTite 7649 Primer™ or equal on the fasteners and the mating threads. Let the primer dry for one minute minimum.

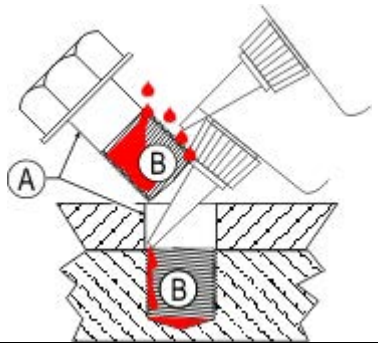
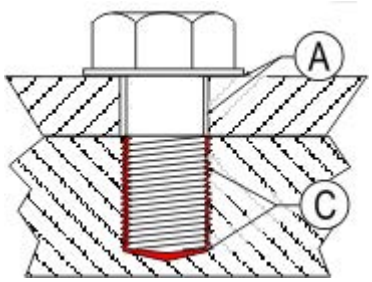
3. How to Apply a Threadlocker

CAUTION 3: Malfunction Hazard—Heat, vibration, or mechanical shocks can let the fasteners loosen if you do not apply the threadlocker correctly. Loose fasteners can cause malfunctions of the equipment.

- Read the threadlocker manufacturer's instructions and warnings. Obey these instructions.

Apply the threadlocker only to the areas where the fastener threads and the mating threads engage.

Figure 2: Blind Hole

Application	Coverage
	

Legend

A. No threadlocker here
B. Apply here
C. Fill all space with threadlocker

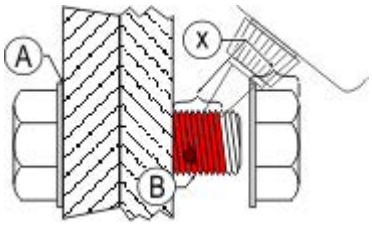
3.1. Blind Holes

1. Apply the threadlocker down the threads to the bottom of the hole.
2. Apply the threadlocker to the bolt.
3. Tighten the bolt to the value shown in the correct table (Table 5 to Table 11).

3.2. Through Holes

1. Put the bolt through the assembly.
2. Apply the threadlocker only to the bolt thread area that will engage the nut.
3. Tighten the bolt to the value shown in the correct table (Table 5 to Table 11).

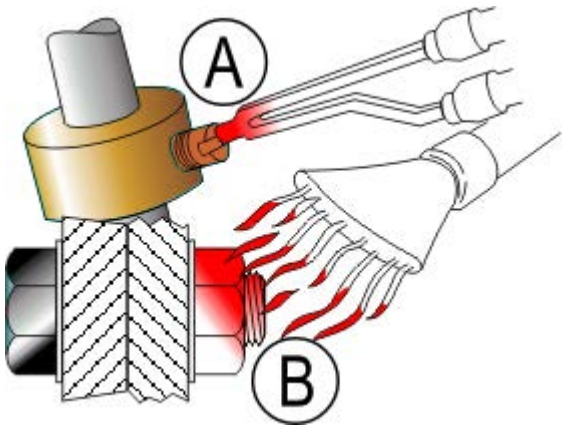
Figure 3: Through Hole

Application	Legend
	**A.** No threadlocker here **B.** Apply the threadlocker to this area **x.** Nut depth

3.3. Disassembly—For high-strength threadlocker, apply heat for five minutes. Disassemble with hand tools while the parts are hot.

For low-strength and moderate-strength threadlocker, disassemble with hand tools.

Figure 4: Disassembly

Apply Heat to a Small Area	Legend
	**A.** How to apply heat to a small fastener **B.** How to apply heat to a large fastener

— End of BIUUUM04 —

Drive Assemblies

4

Drive Chart

5040TG**2L/R,TS2L/R 5050**TG**1L/R,TS1L/R**

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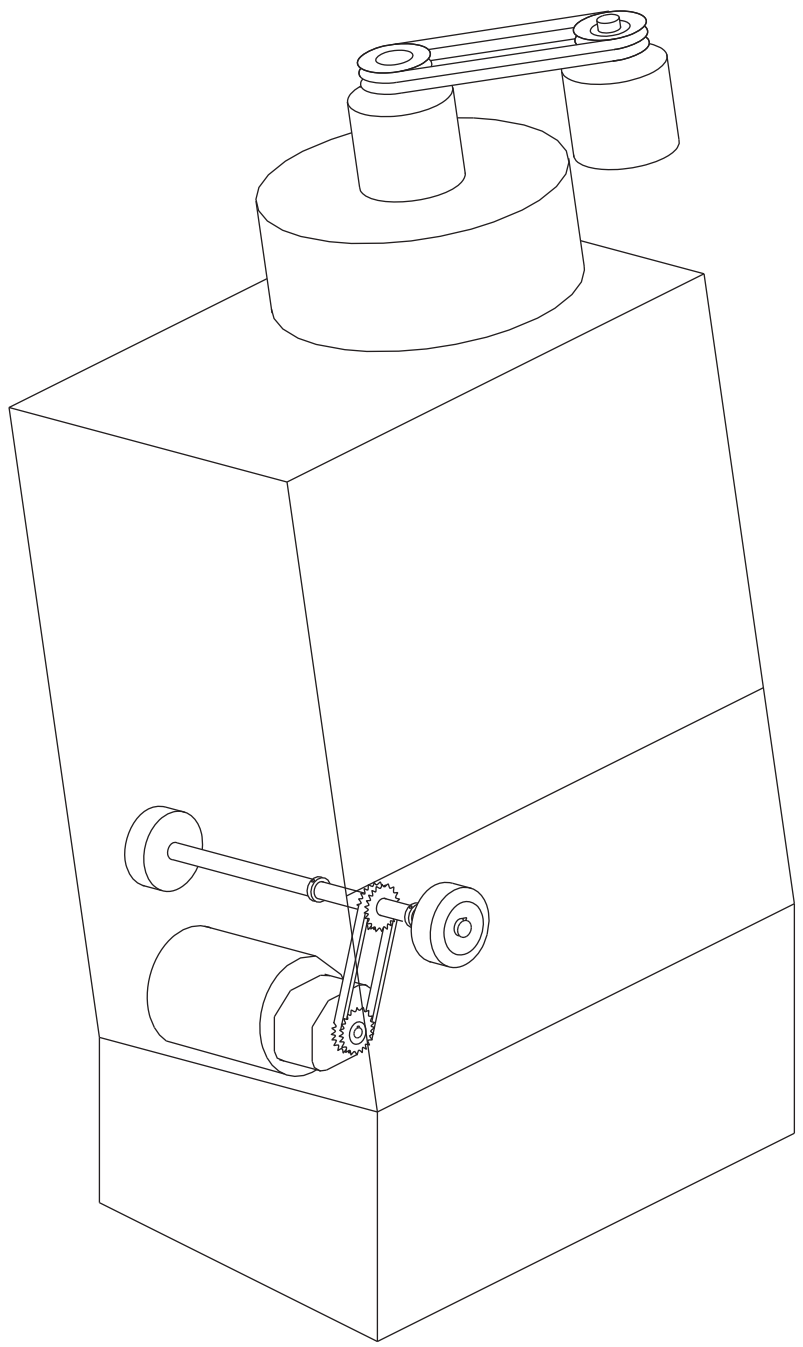
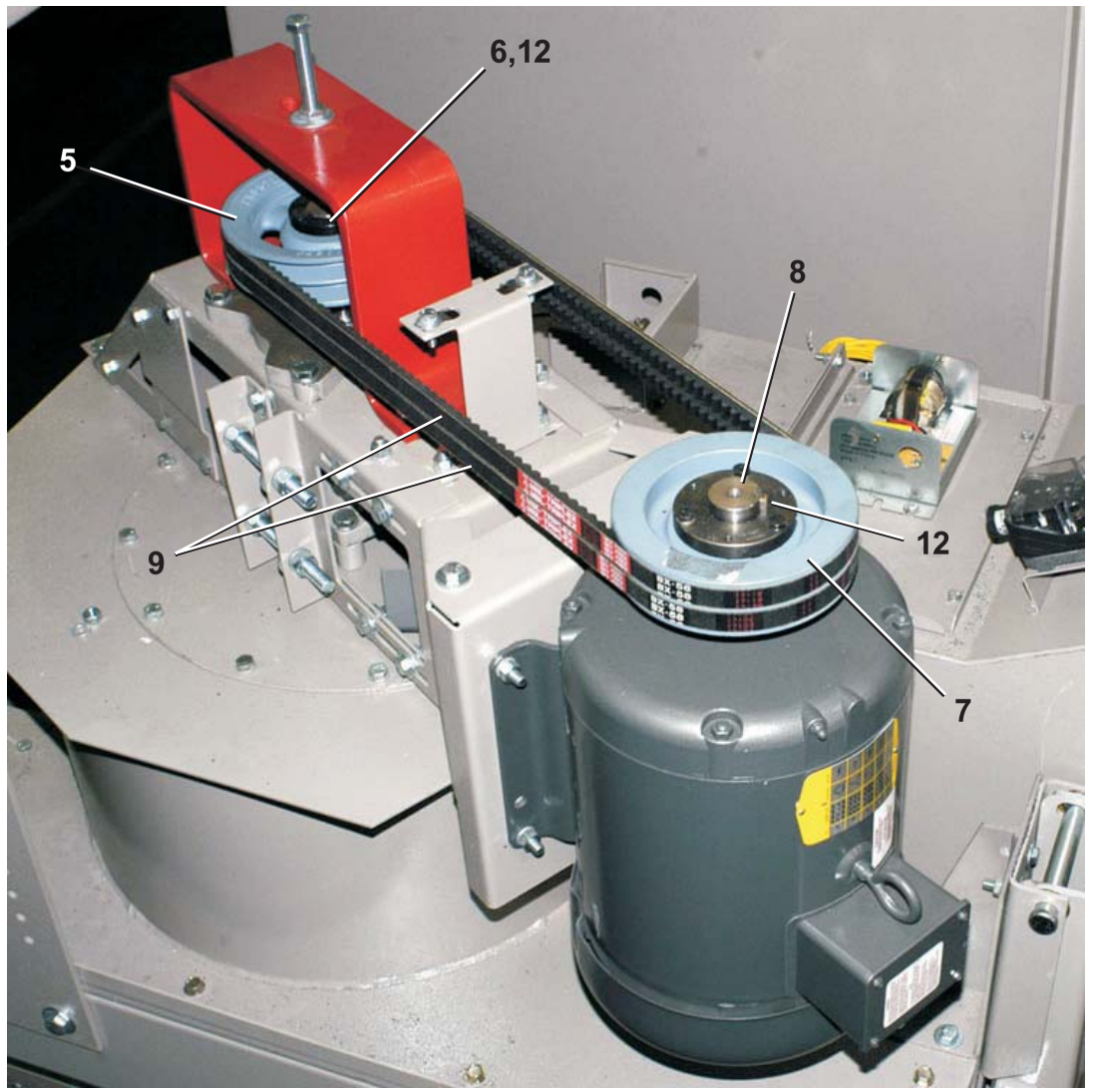
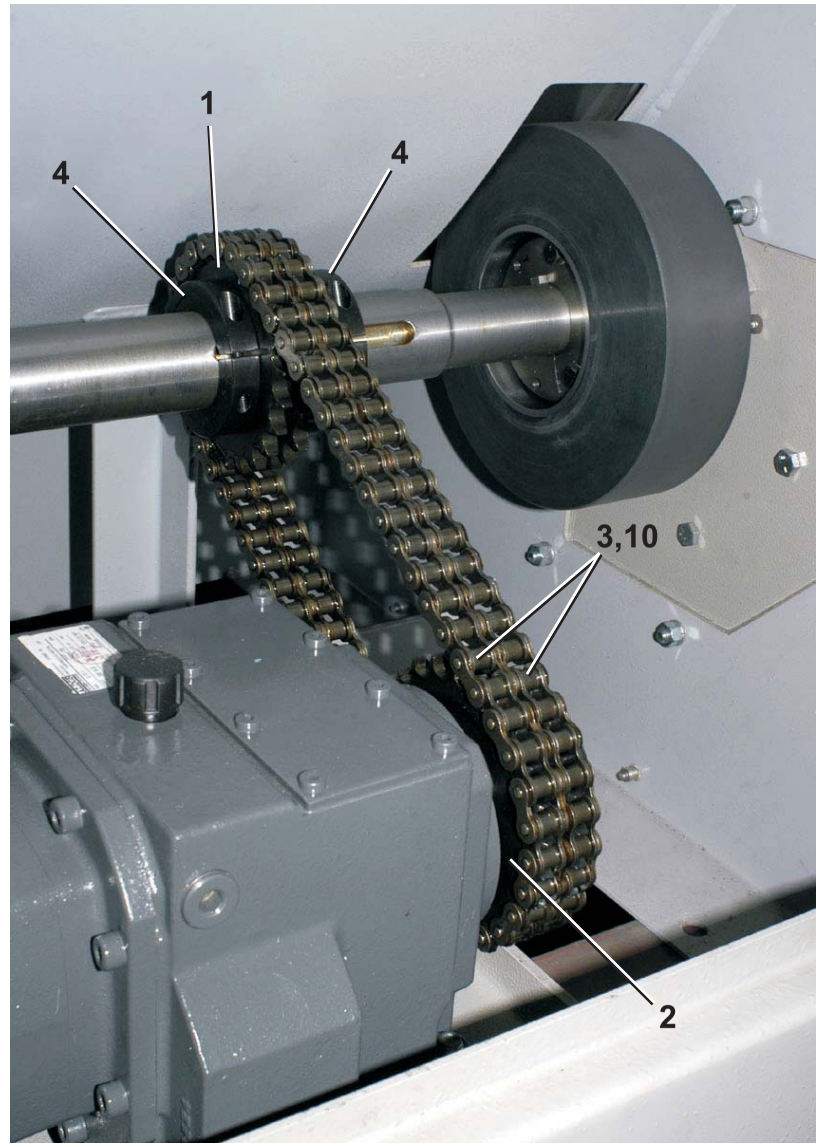




BLOWER DRIVE

CYLINDER DRIVE



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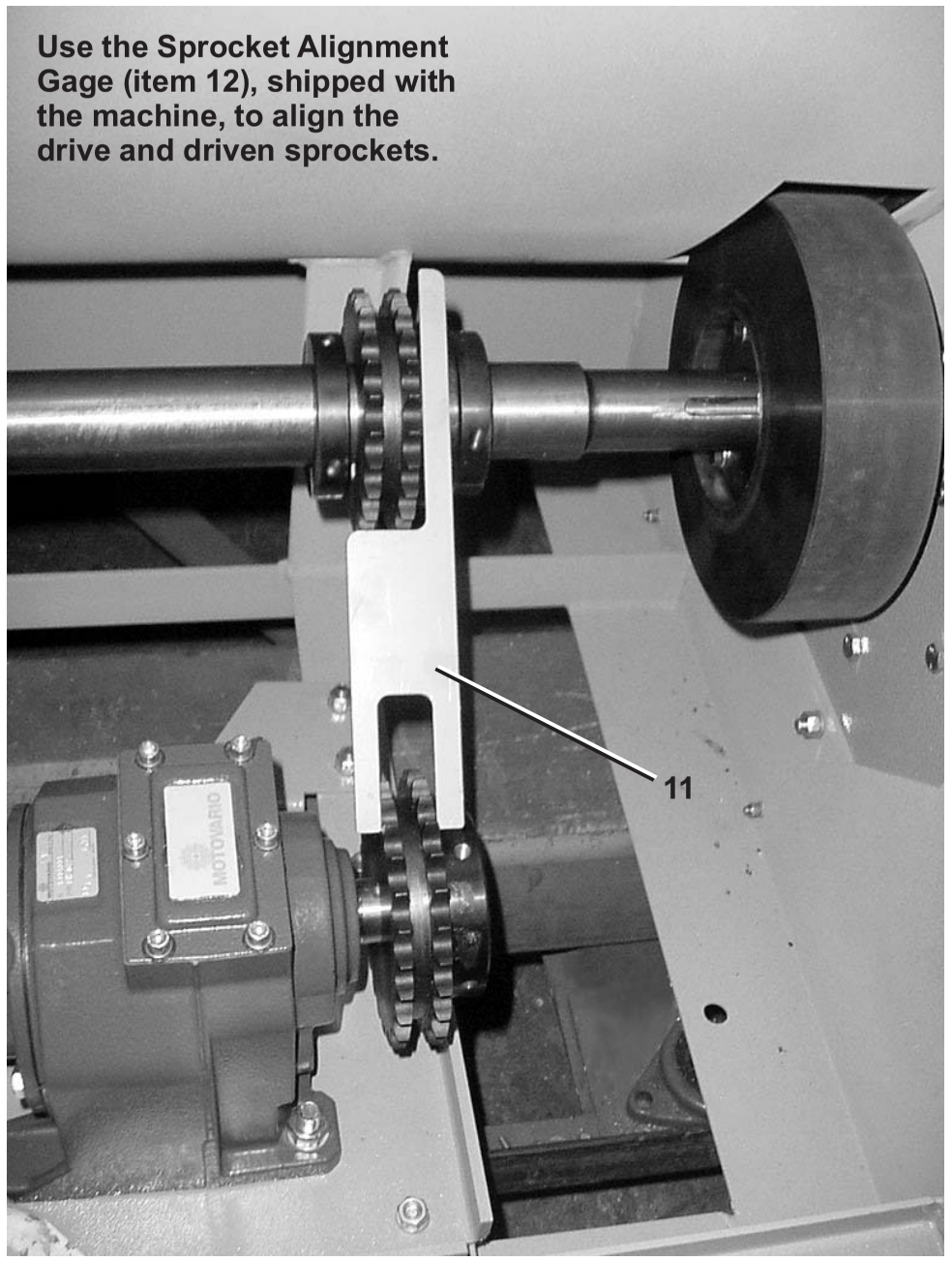

Parts List—Drive Chart

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	D74 01150	DRVE CHRT 5040TG2L/R DRYER	50C
	B	D74 01160	DRVE CHRT 5040TG2L/R DRYER 60C	60C
			----------COMPONENTS----------	
All	1	54N050B23D	SPRKT D50B23H 2" BORE DRVN	
all	2	54N050B25C	SPRKT D50B25H 1" BORE	
all	3	54G036SP	SOLID BUSH CHN 50-2 DBL 36.25"	
all	4	54JH22000C	SHFTCOLL 2"ID DBLSPLT CARSTL	
all	5	56064B2H	VPUL 2B6.4/A6.0 2BK70H	
all	6	56Q1GH	1+3/8" BUSH VPUL TYPE H,D,ORQT	
A	7	56060B2SDS	VPUL 2B6.0/A5.6 (SDS) TYPE QD	
B	7	56054B2SDS	VPUL 2B5.4/A5.0 (SDS) TYPE QD	
all	8	56Q1GSDS	1+3/8" BUSH VPUL QD TYPE SDS	
all	9	56VB058X	VBELT BX58 DAYCO RAWEDGE COG	
all	10	20H011CG	ALVANIA CG1 GREASE EA=1 TUBE	
all	11	07 71752	SPROCKET ALIGNMENT GAGE-6458	
all	12	15E195	SQMACHKEY 3/16X1+1/2 NOTAPER&H	

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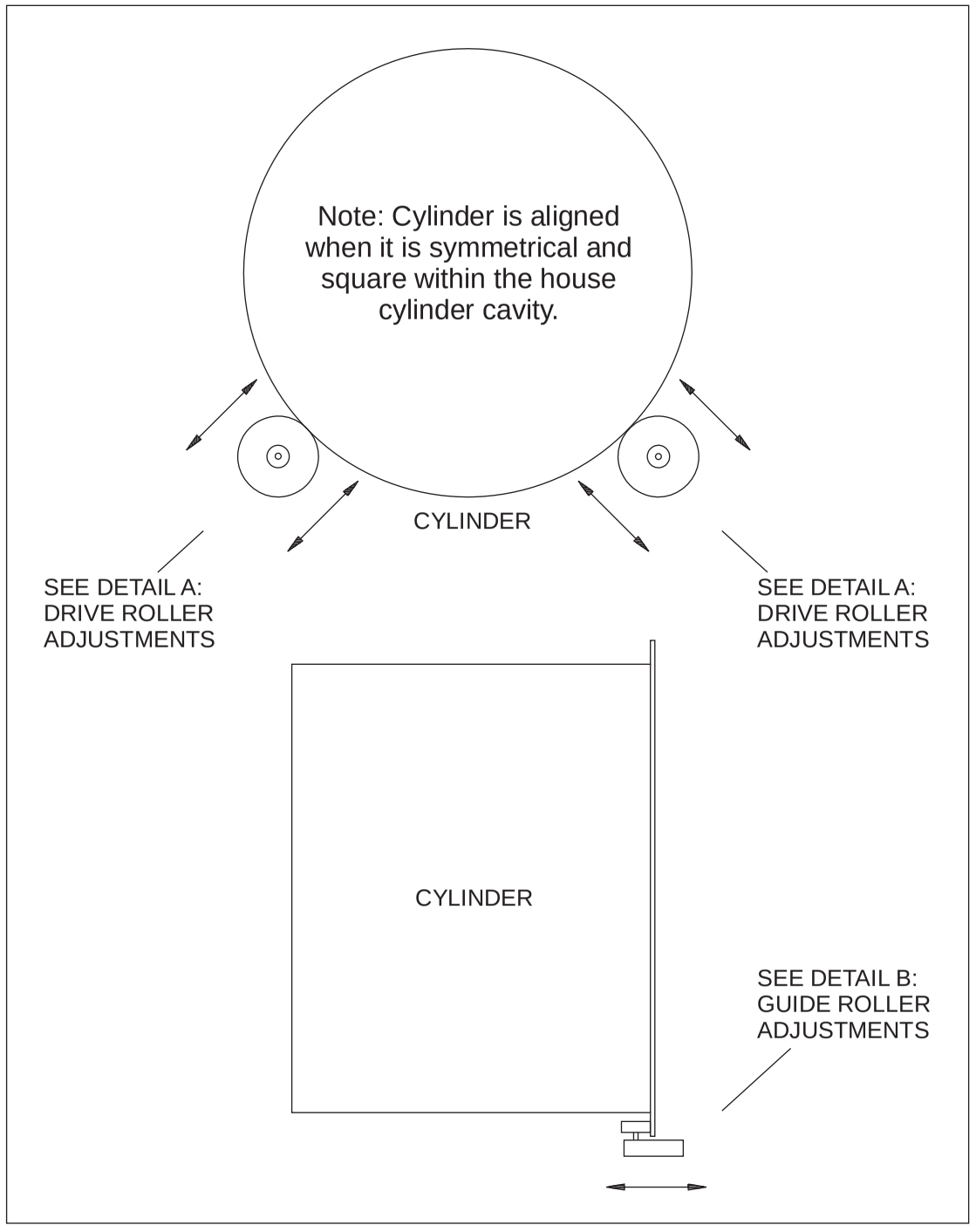
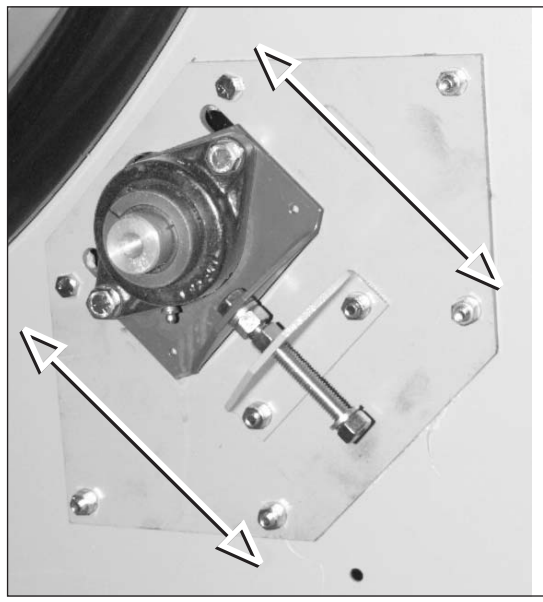
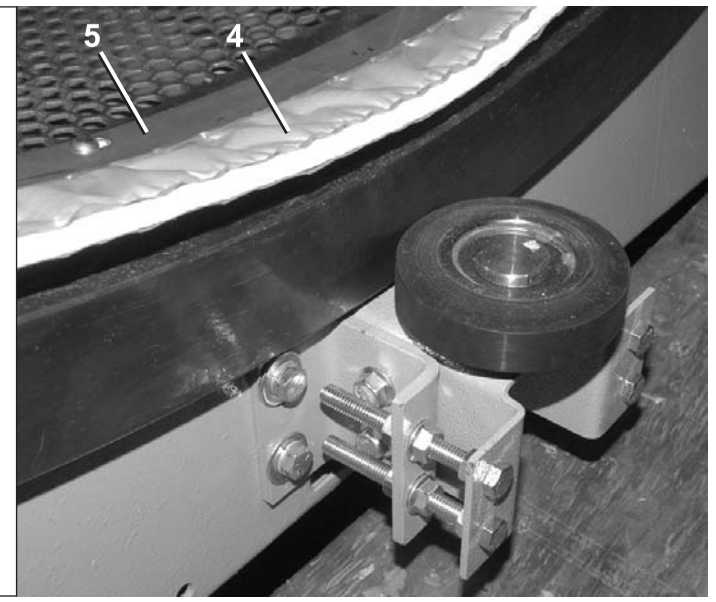


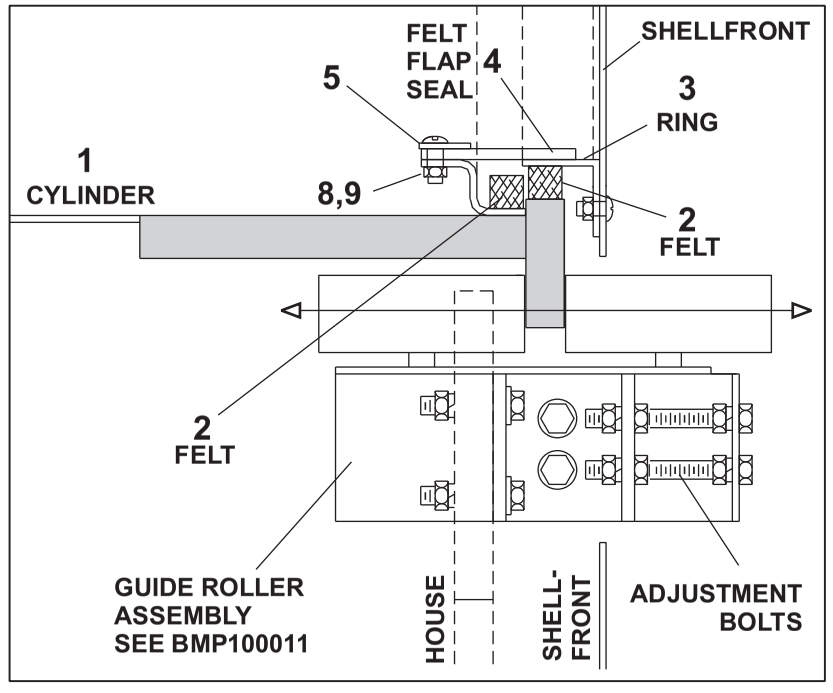
CYLINDER ALIGNMENT ADJUSTMENTS



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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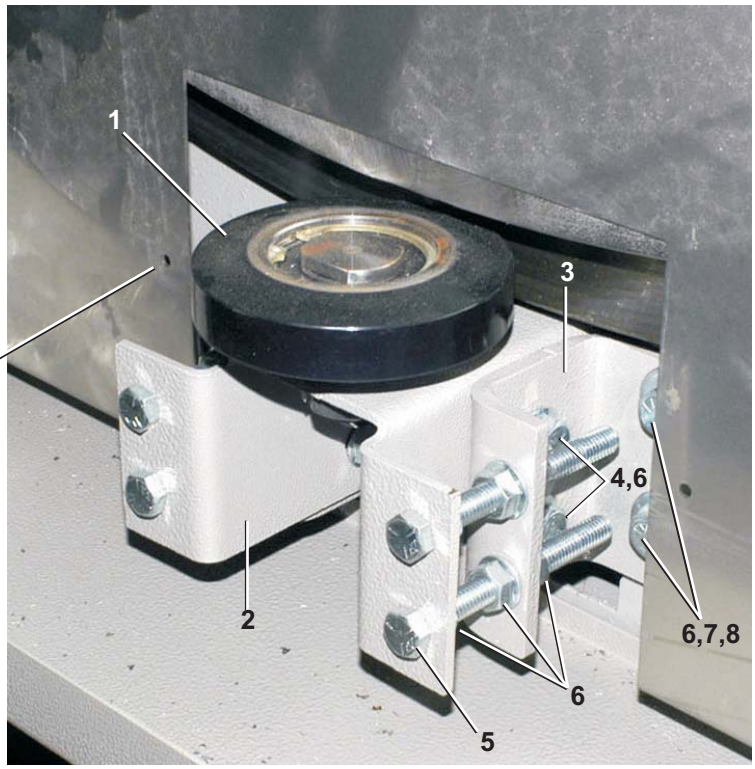
Parts List—Cylinder Installation

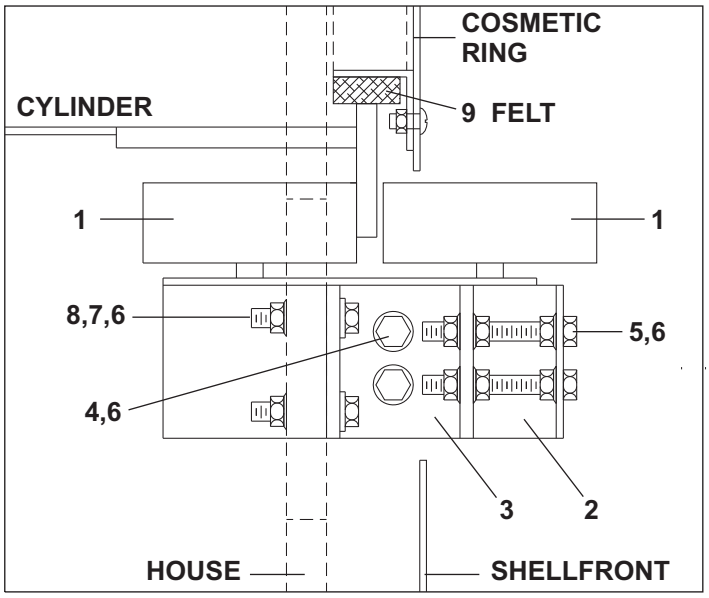
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

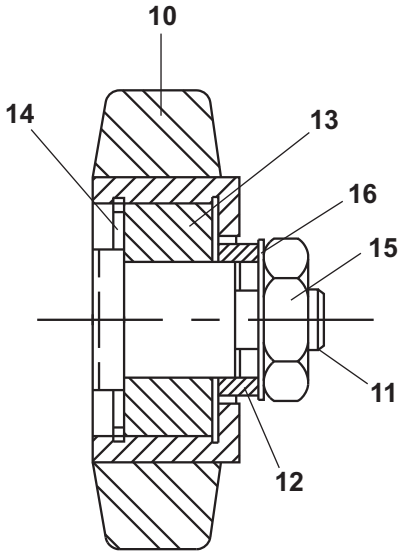
Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	A74FS001	5040 FRONT FLAP SEAL ASSY	
			----------COMPONENTS----------	
all	1	A74CA004	MACH=BASKET 5040 TG2	5040 STANDARD
all	1	A74CA002A	5040 TEFLON COATED CYLINDER	5040 TEFLON
all	1	A74CA004	5050 DRYER BASKET	5050 STANDARD
all	1	A74CA011	5050 DRYER BASKET TEFLON COAT	5050 TEFLON
all	1	A74CA012	5050 DRYER BASKET HITEMP COAT	5050 HITEMP
All	2	27A686	FELT 3/4"THKX1/2"W F7=0.67	
all	3	07 40950	COSMETIC RING - 50040DRY	
all	4	07 41226A	5040 FRONT SEAL/FELT/NOMEX	
all	5	07 44067	5040 CYL SEAL RETAINER STRIP	
all	8	15K033	BUTSOKCAPSCR 1/4-20X5/8 SS18-8	
all	9	15G164NE	HEXLOKNUT NYL 1/4-20 UNC2A SS.	

Guide Roller Assembly

5040, 5050, 6458, 6464, 7272, 7676, and 8282 Dryers







Guide Roller Assembly

5040, 5050, 6458, 6464, 7272, 7676, and 8282 Dryers

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	REFERENCE 5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R 6458TG1L/R,TS1L/R 6464TG1L/R,TS1L/R
	B	A78GB001	72" GUIDE ROLLER ASSY	REFERENCE 7272TG1L/R, TSIL/R 7676TG1L/R 8282TG1L/R
			----------COMPONENTS----------	
A	1	A75GB003B	*4" GUIDE ROLLER WHEEL ASSY	TWO REQUIRED CONTAINS 10-16
B	1	A77GB003	5880 GUIDE ROLLER WHEEL ASSY	TWO REQUIRED CONTAINS 10-16
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	
all	9	27A685	FELT 1/2"THK X 1+1/4"W SAE F-7	
	10	60C502A	4" GUIDE ROLLER 1.50 BORE	PART OF 1A
	10	60C503A	5" GUIDE ROLLER 1.38 BORE	PART OF 1B
	11	07 50053	SHAFT=GUIDE ROLLER DRYER	PART OF 1A & 1B
	12	07 50054	BUSHING=GUIDE ROLLER DRYER	PART OF 1A & 1B
	13	54A075	BALBRG NTN#63205LLBC3/C5 1/BX	PART OF 1A & 1B
	14	17B017B	INTRETRING IND#3000X206-ST-ZD	PART OF 1A & 1B
	15	15G245	HXFINJAMNUT 3/4-10UNC2 SS18-8	PART OF 1A & 1B
	16	06 20070	LOCKING WASHER ROLLER SHAFT	PART OF 1A & 1B
All	17	W7 50129	COVER GUIDE ROLLER WELDED	

T-Seal Assembly

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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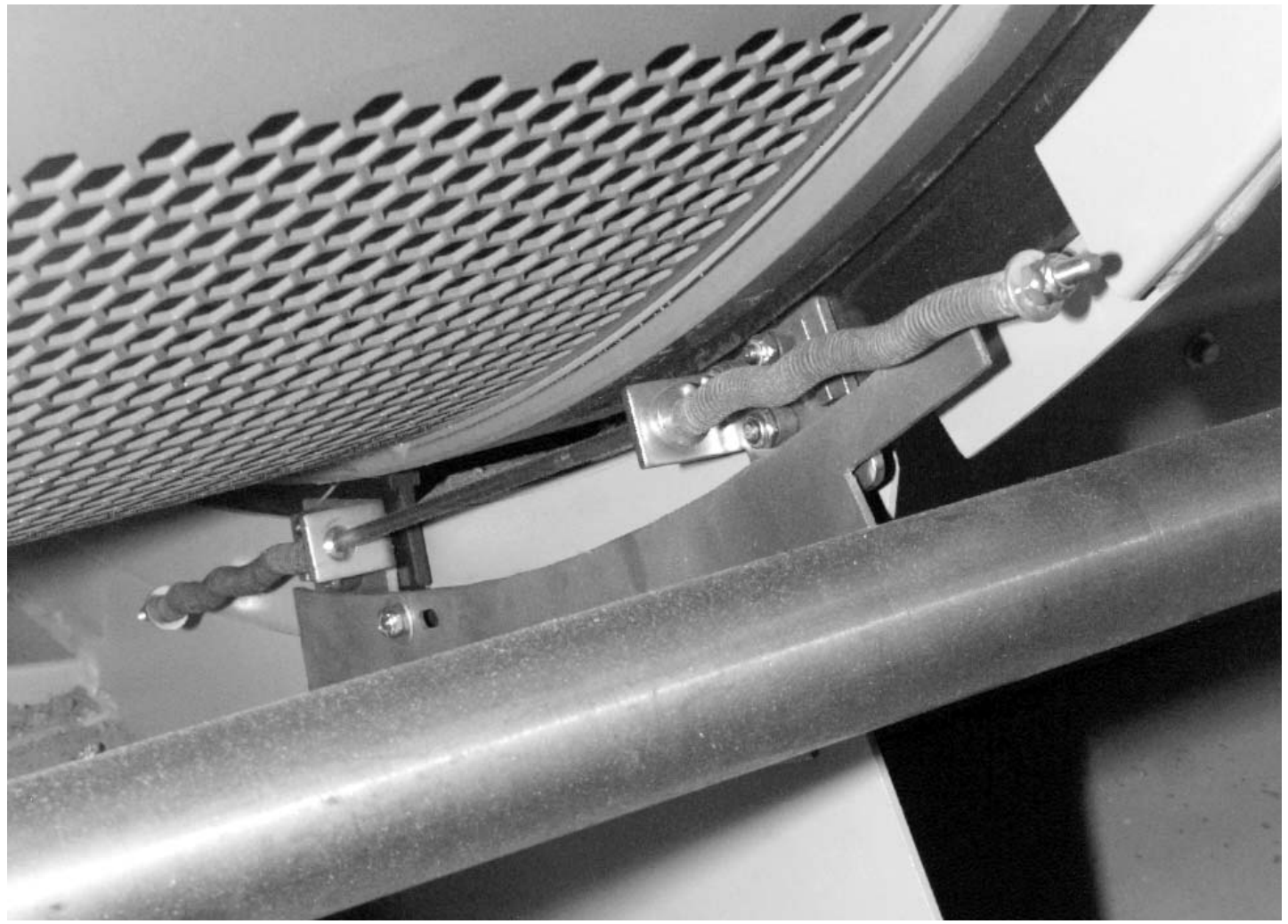

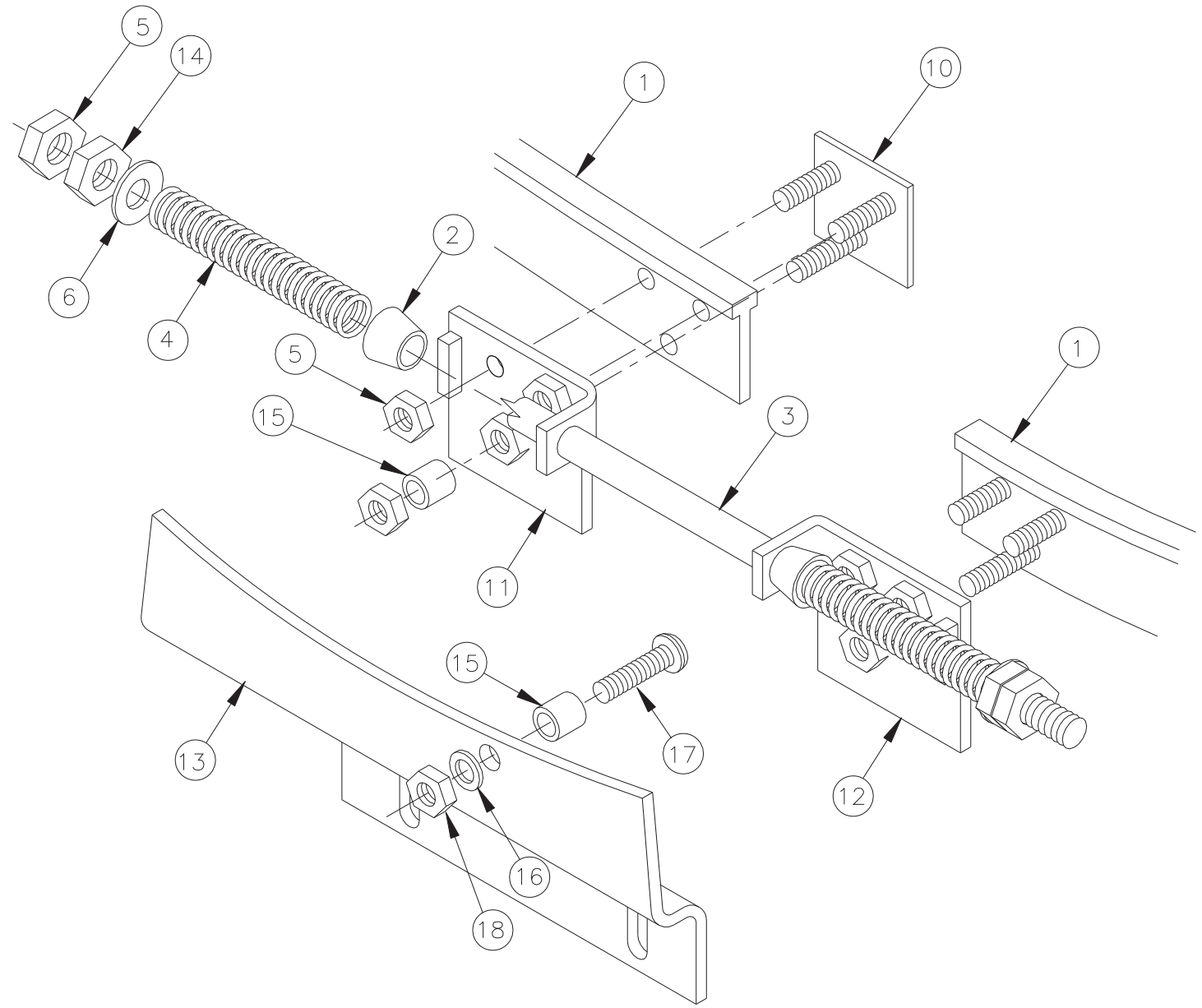

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Parts List—T-Seal Assembly

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	G74SH003	5040 T-SEAL INSTALL	
			----------COMPONENTS----------	
A	1	X7 41000	3BOLT T-SEAL NOTCH+DRIL 5040	
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	
All	13	07 71509	6458 "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	

HOW TO REPLACE THE T-SEAL

The T-Seal (used in Dryers and Conditioners) must be maintained in good working condition to maintain the proper direction of air flow and ensure drying efficiency. A drop in efficiency, particularly where outlet temperatures are prematurely achieved, is evidence of a leaking T-Seal. If this condition occurs, inspect the T-Seal tension bracket. If no tension exists, it is likely the T-Seal has broken and must be replaced. This procedure requires two people.

⚠ WARNING ⚠

CRUSHING AND ENTANGLEMENT HAZARD—Rotating machinery can entangle and crush body parts. Lock OFF and tag out power at the wall disconnect for the Dryer or Conditioner.

Removing the Old T-Seal

1. Remove the side access panels to gain access to the T-Seal and bracket. See FIGURE 1.
2. Release the tension on the bracket (if any tension exists) by loosening the hex nuts on the tension rod. See "T-SEAL ASSEMBLY . . ." in this section.
3. Disassemble the tension bracket from the T-Seal. See "T-SEAL ASSEMBLY . . . "
4. Thread a piece of strong, flexible wire through the holes in the end of the T-Seal, as shown in FIGURE 2, and remove the T-Seal from the J-ring by pulling the wire while another person hand turns the basket via the large cog belt pulley.

NOTE: Work the old T-Seal out gently while hand turning the basket to avoid breaking the T-Seal any more than it already is. **Never turn the basket under motor power.**

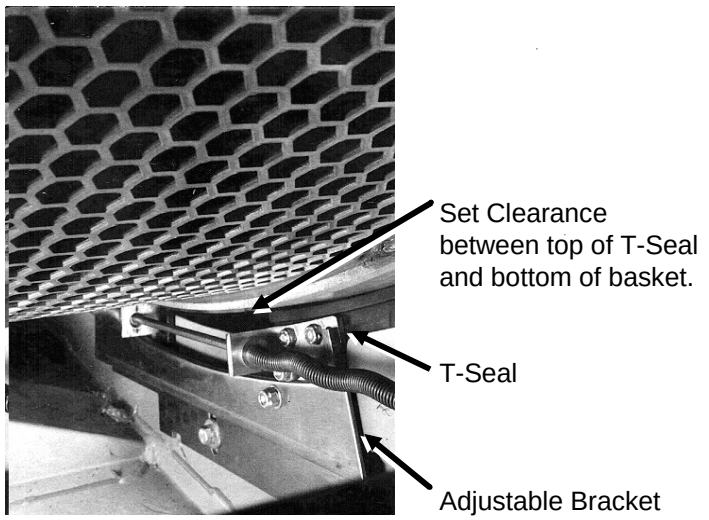

FIGURE 1 (MSSM0108AE)
T-Seal and Bracket in Place

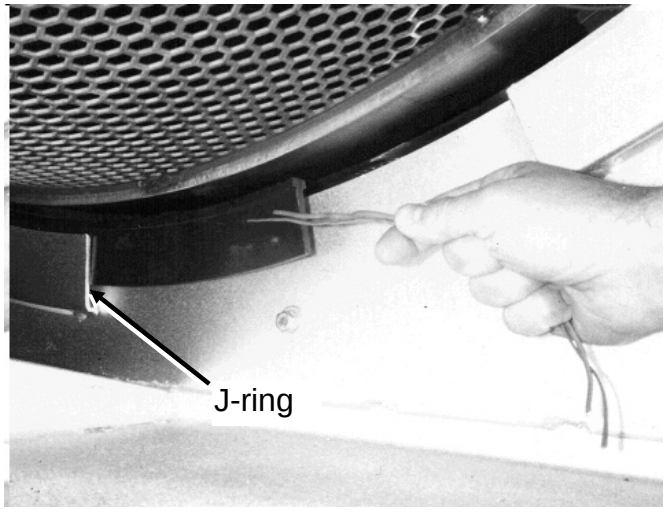

FIGURE 2 (MSSM0108AE)
Pulling Out Old T-Seal

Installing the New T-Seal

1. Check T-Seal mounting holes for fit and alignment. Studs should fit smoothly.

2. To minimize T-Seal stress and ease the threading process, place the new T-Seal atop the basket shroud. This will allow the new T-Seal to be fed easily down into the lower basket "J-ring" area.

3. Thread a piece of strong, flexible wire through two holes in the end of the T-Seal to be fed into the "J ring." Feed this end of the T-Seal down the side of the basket. Feed the wire ends through holes in the perforated basket. Tie the wire ends together inside the basket, then start the T-Seal into the left J-ring.

NOTE: If the T-Seal becomes caught while installing, do not force the cog belt. Simply reverse the direction of the belt until the T-Seal is freed, then continue feeding the T-Seal through.

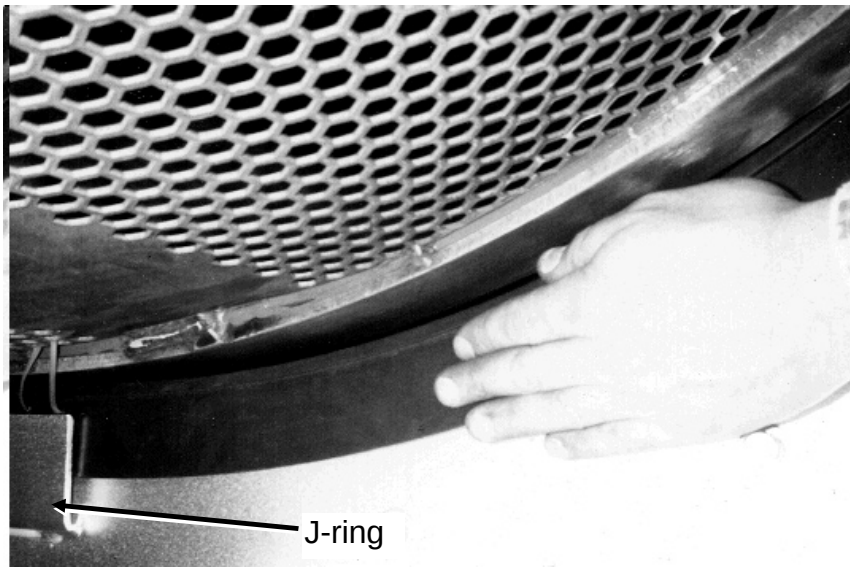

FIGURE 3 (MSSM0108AE)
Feeding New T-Seal into Retaining Channel

4. Referring to "T-SEAL ASSEMBLY. . .," reattach the left side stud and yoke assembly to the free end of the T-Seal. Also install the spring tension rod, the left side rod adjustment components, and hex nuts. Thread these hex nuts completely down the threaded portion of the spring tension rod.

NOTE: Step 4 could be done after the T-Seal has been completely fed through the J-ring channel, but it is easier to do while the end of the T-Seal is easily accessible.

5. With one person feeding the T-Seal into the J-ring and another person slowly hand turning the basket via the large cog belt, continue feeding the new T-Seal into the left J-ring as shown in FIGURE 3 until the entire T-Seal is fed through.

6. Remove the wire.

7. Install the remaining right side stud and yoke, then finish installing the right side tension rod components. Thread the right side hex nuts completely down the threaded portion of the spring tension rod.

8. Finish by installing the T-Seal retaining bracket, adjust the bracket for 1/8" - 3/16" (.31-.47 cm) clearance between the top edge of T-seal and the bottom of basket. See "T-SEAL ASSEMBLY . . . "

To verify that the T-Seal is properly installed, re-establish dryer or conditioner power and operate manually (as explained in the programming, operating and troubleshooting manual) to turn the cylinder clockwise and counterclockwise. Observe the T-Seal to be sure tension is maintained as the cylinder rotates. If any adjustments are required, **lock OFF and tag out power before proceeding.**

Drive & Support Roller Installation

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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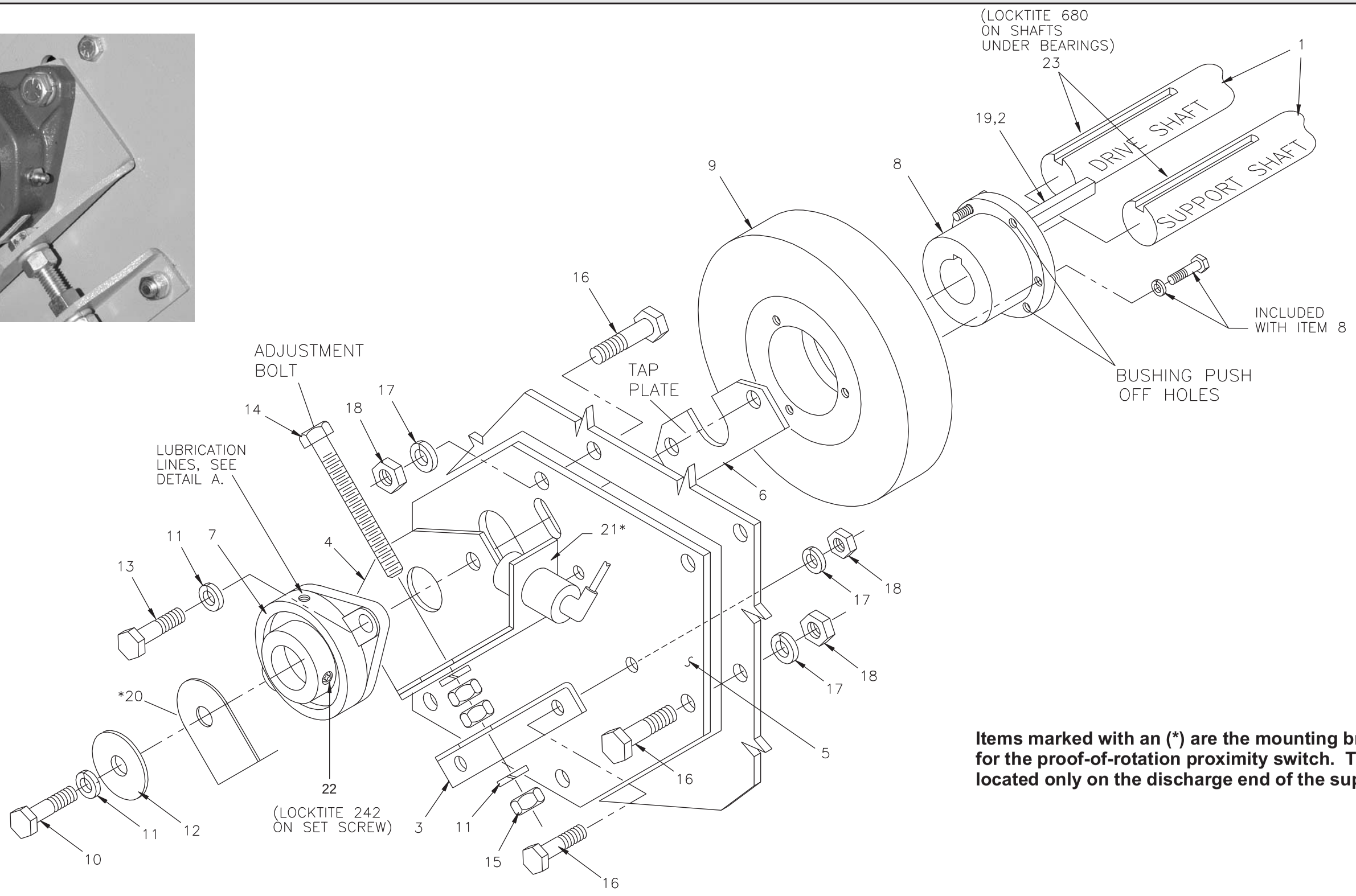

Items marked with an (*) are the mounting bracket and target for the proof-of-rotation proximity switch. These parts are located only on the discharge end of the support roller.

Drive & Support Roller Installation

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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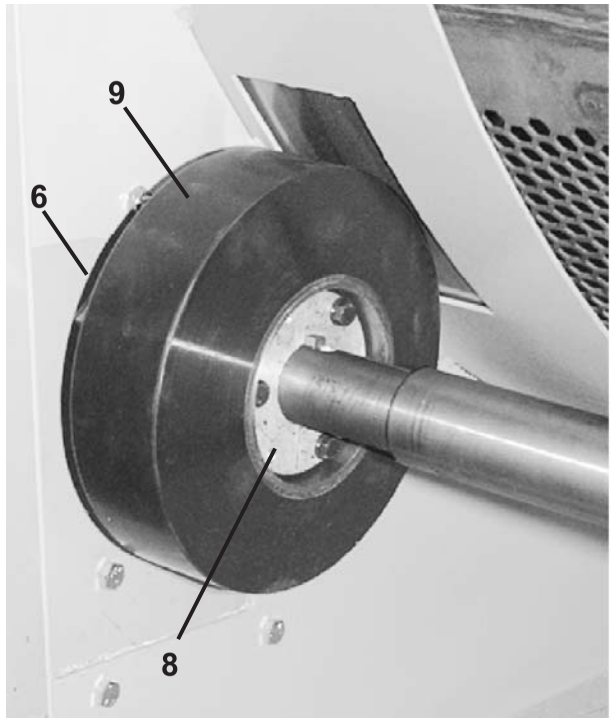
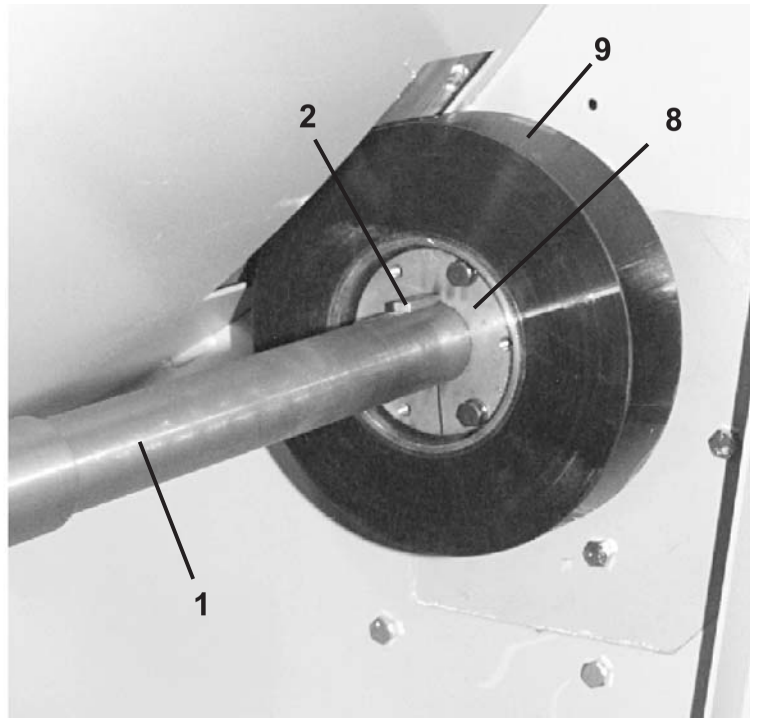
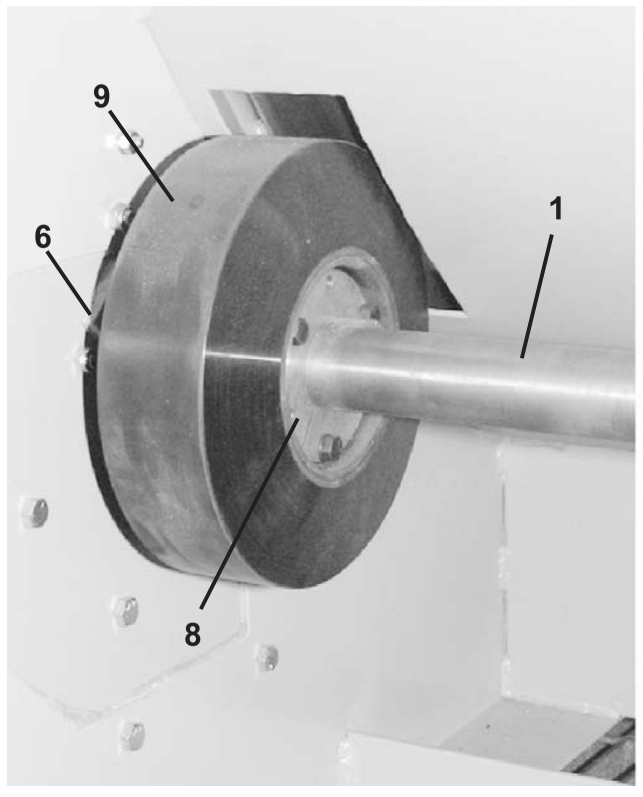
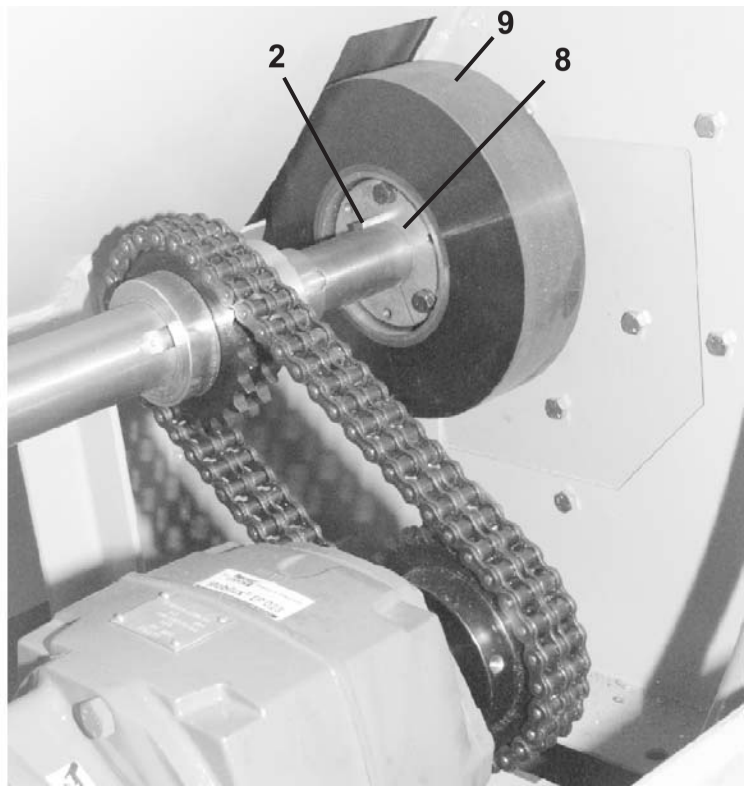
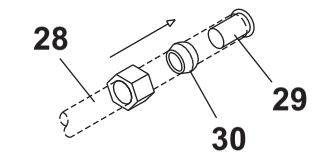


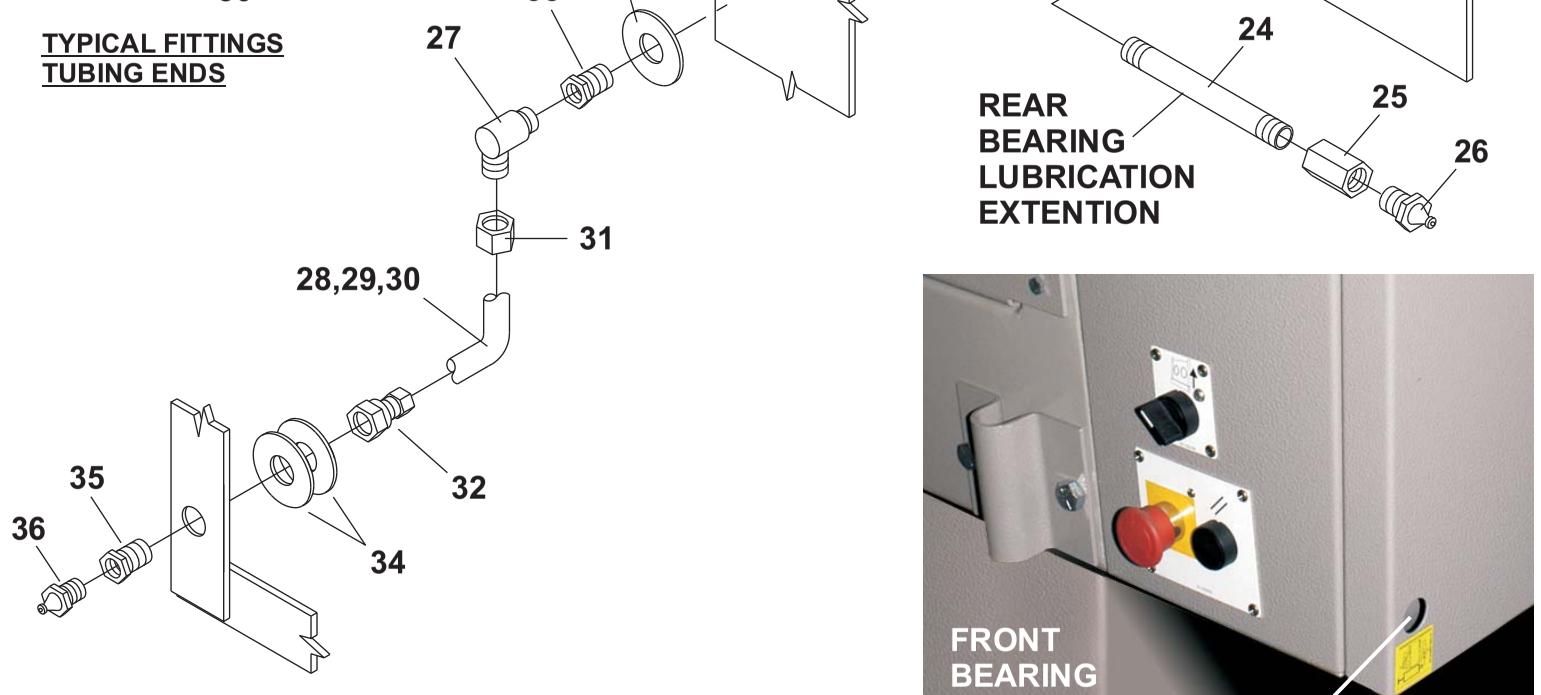




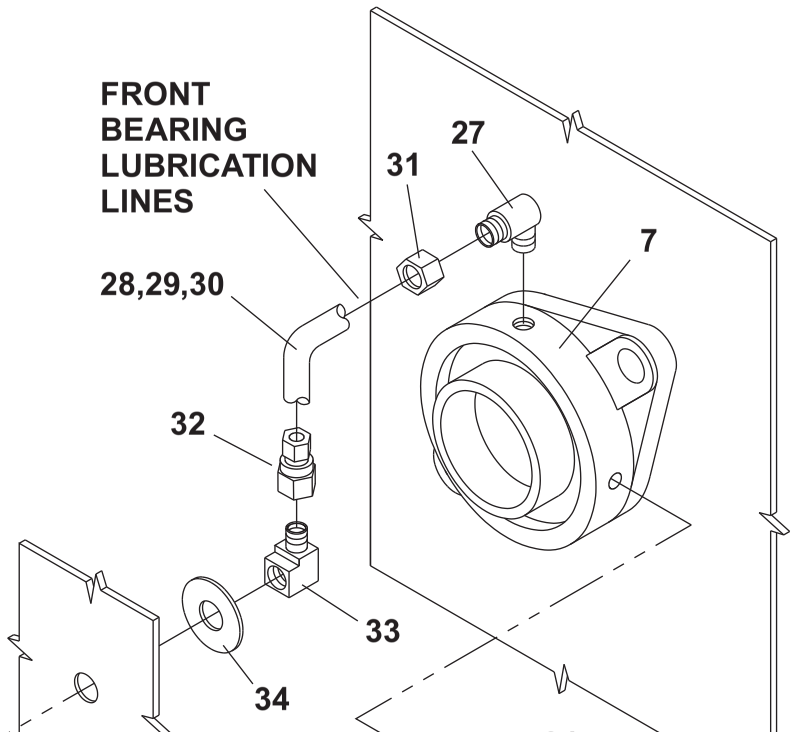




TYPICAL FITTINGS
TUBING ENDS



DETAIL A:
LUBRICATION LINES



Drive & Support Roller Installation

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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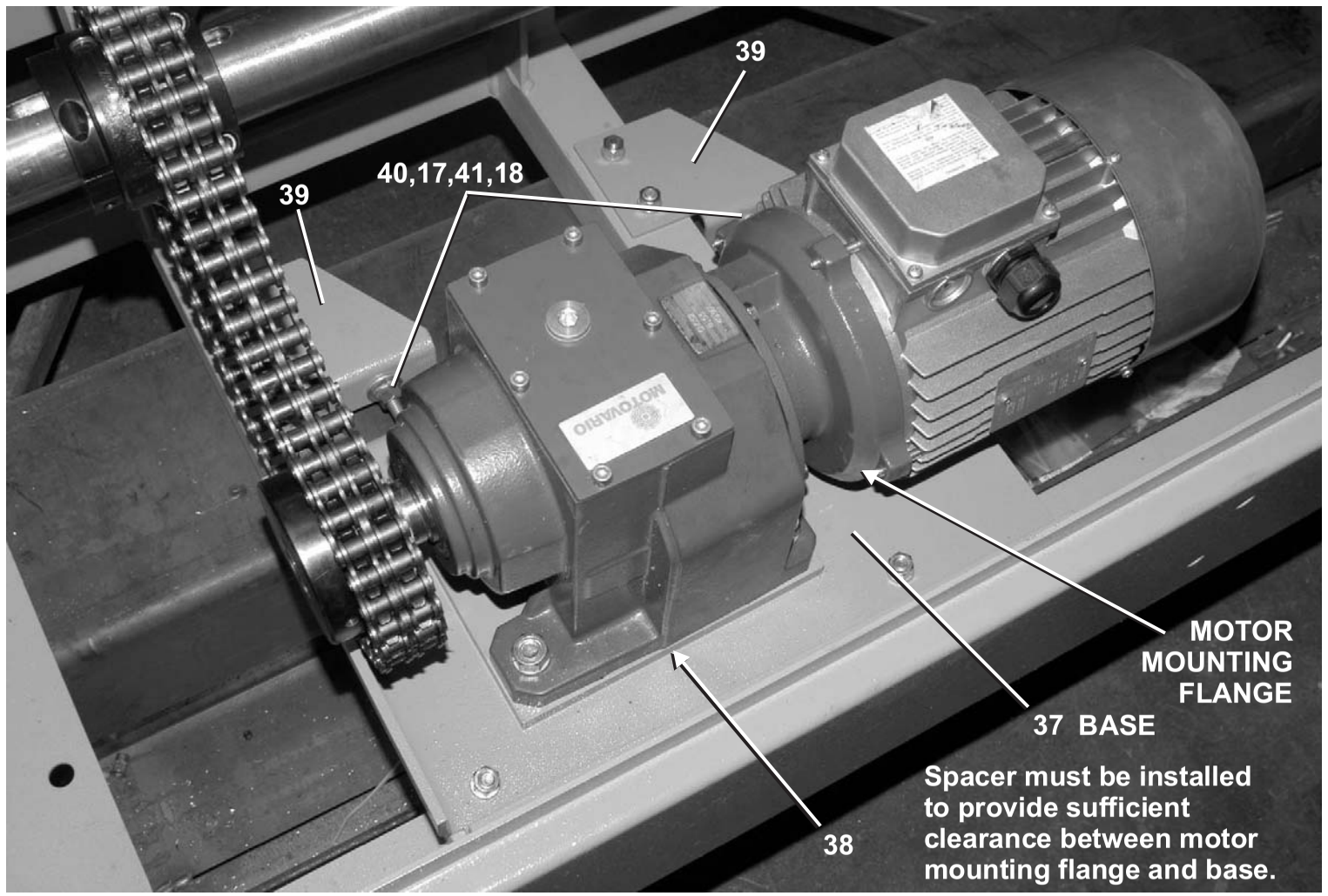
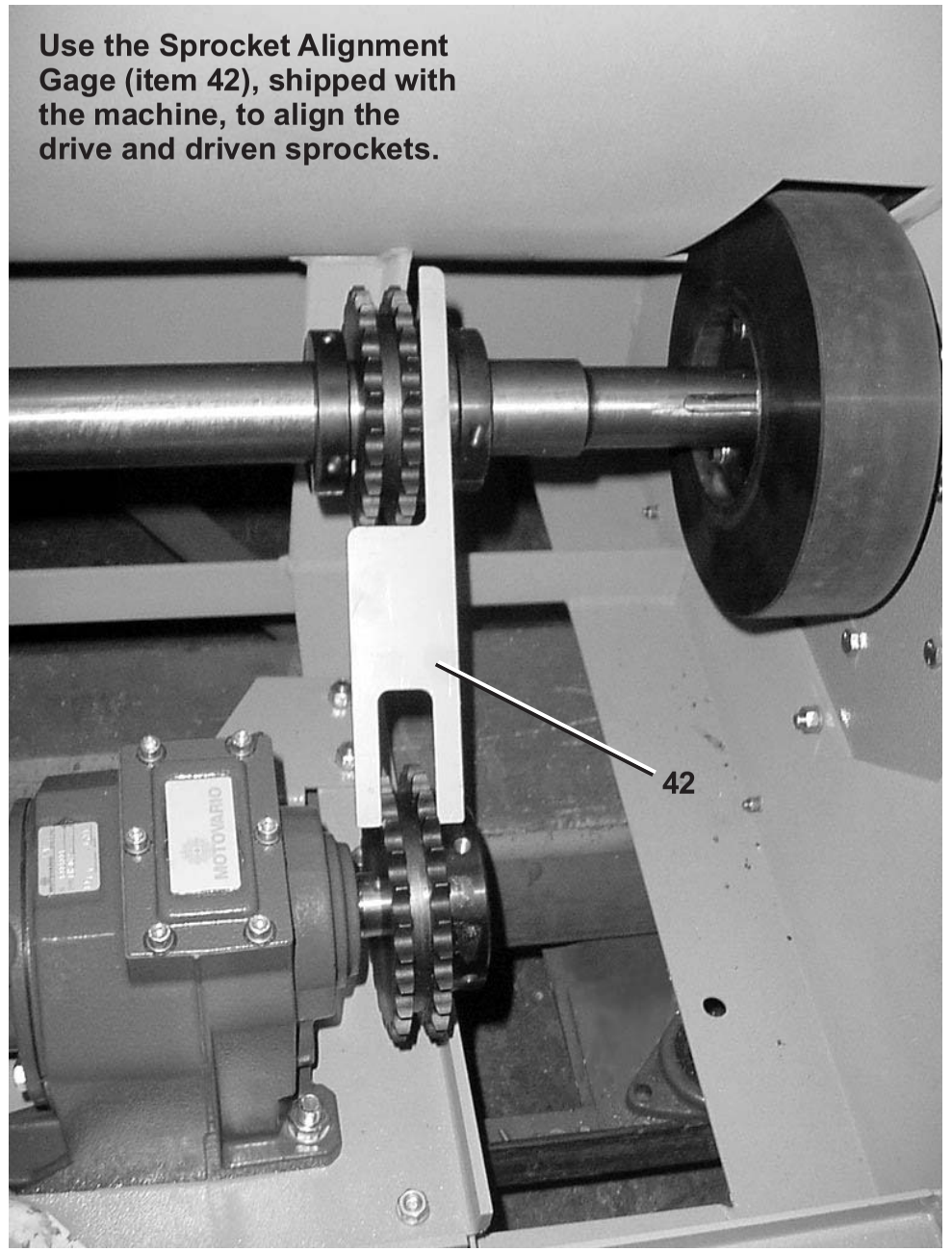


The 6458 Dryer is shown. The 5040 Dryer is similiar; see parts list.



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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	G74DB002	*5040TG2 DRIVE INSTALLATION	5040TG2L,TS2L
	B	G74DB002A	5040TG2 DRIVE INST RIGHT	5040TG2R,TS2R
	C	G74DB003	5050TG1 DRIVE INSTAL LF	5050TG1L,TS1L
	D	G74DB003A	5050TG1 DRIVE INSTAL RT	5050TG1R,TS1R
	E	A74DB004	5040TG2 CYLINDER DRIVE ASSY LF	A,B
	F	A74DB005	5050TG1 CYLINDER DRIVE ASSY	C,D
			COMPONENTS	
E	1	X7 44050	5040TG2 DRIVE SHAFT	5040
F	1	X7 44050A	5050TG2 DRIVE SHAFT	5050
all	2	07 50031A	DRYER SHAFT KEY=WHEEL	
all	3	07 50127	BRKT=BEARING AJUST	
all	4	07 50128	BRKT=BEARING MOUNTING	
all	5	07 71280	6458 SUPP/DRIVE BEAR MTG PLT	
all	6	07 70049A	BEAR ADJUST TAP PLATE	
all	7	56F1H2CSWC	FLG BRG=1.438 B.D.+COLLAR	
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 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	15N082	FILMACSCR 8-32UNC2X3/8SS18-8	
all	20	03 BL1X1A	TARGET FOR PHOTOEYE 6458 DRYER	
all	21	03 BL1X1B	PHOTOEYE BRACKET 6458 DRYER	
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	
all	37	07 44051	5040 GEAR MTR SUPP PLATE	
all	38	07 44052	5040 GEAR REDUCER SPACER	
all	39	07 71166	6458 MOTOR MNT ADJ BOLT BKT)	
all	40	15K142	HXCAPSCR 3/8-16X6 GR8ZC	
all	41	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	42	07 71752	SPROCKET ALIGNMENT GAGE-6458	

Door Assemblies 5

Load Door Installation

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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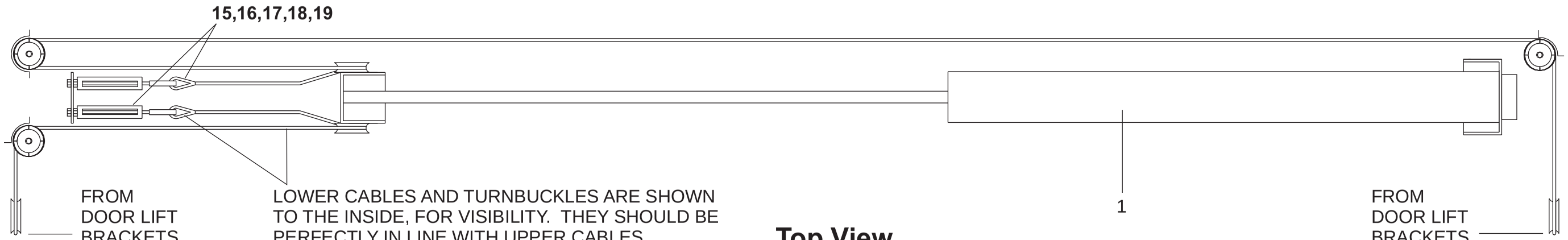
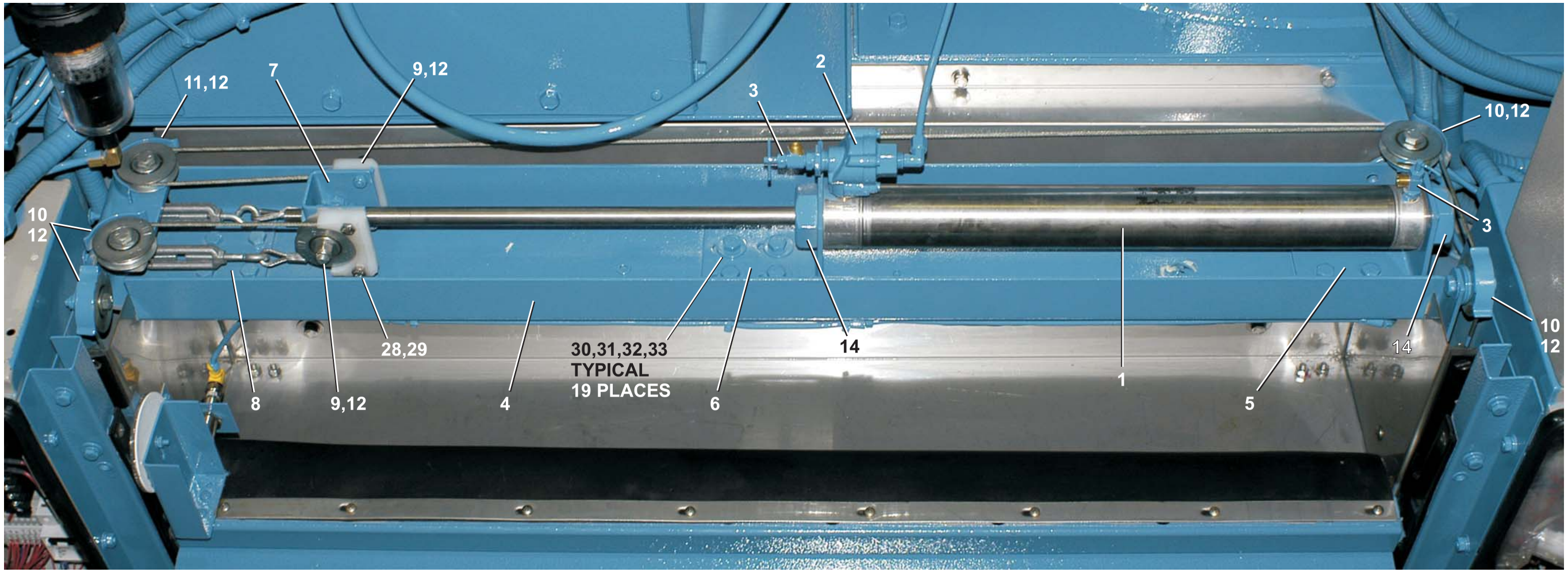


Top View



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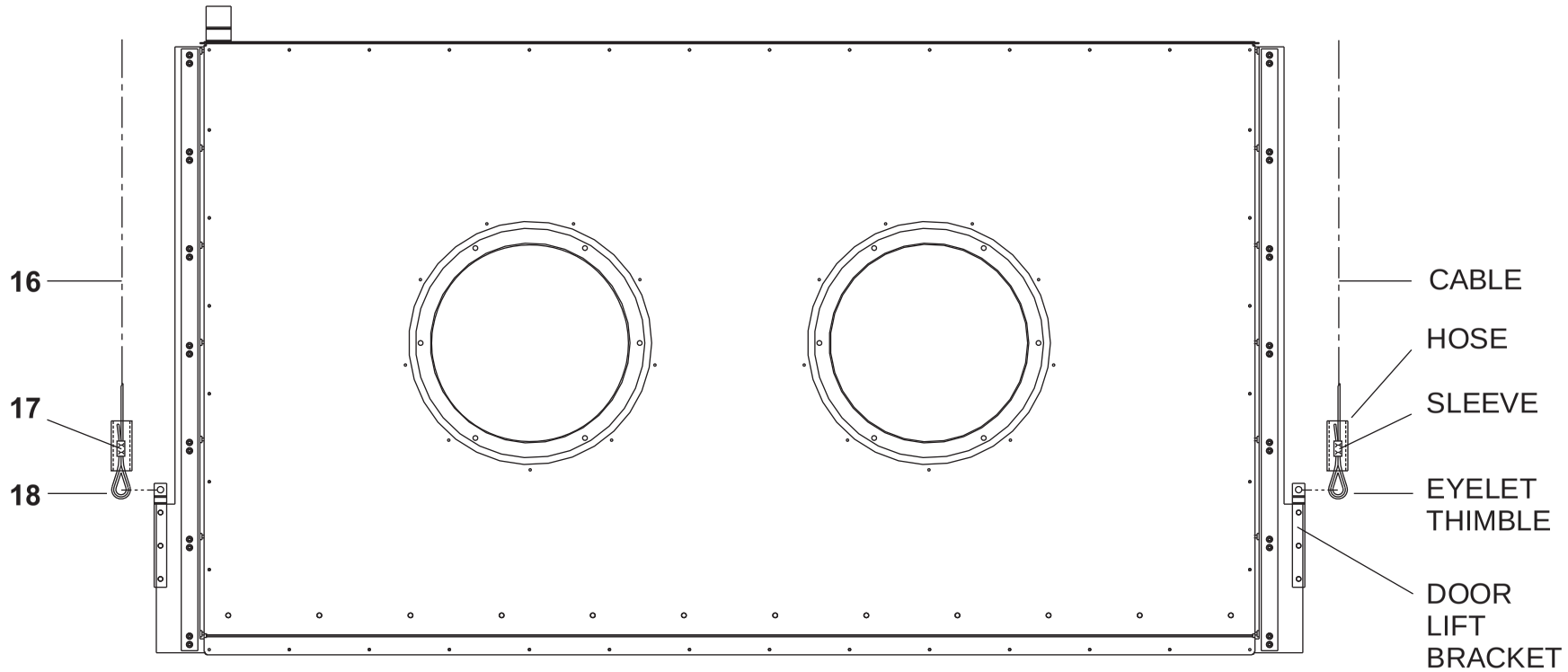

Removing Load Door:

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.

The 6458TG2R is shown, the 5040TG2LR/-T2SLR parts are similar. See parts list.

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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
F				
			----------ASSEMBLIES----------	
	A	A74SD016	5040 DOOR DRIVE ASSEMBLY	5040TG2L/,TS2L/R 5050TG1L/R, TS1L/R
	B	A74SD012	5040 LD DOOR CABLE SHORT	
	C	A74SD013	5040 LD DOOR CABLE LONG	
			----------COMPONENTS----------	
all	1	27C220	AIR CYL 2"BORE X 15"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 44172	5040 LD CYLINDER BRKT	
all	5	07 44178	5040 DOOR CYL BRKT RT	
all	6	07 44183	5040 LD CYL BRKT FRONT	
all	7	07 44179	5040 LD AIR CYL PULL MT BRKT	
all	8	07 44180	5040 WIRE MT BRKT	
all	9	07 40937	UHMW PULLEY GUIDE AIRCYL	
all	10	W7 71197	6458 90 DEG PULLEY GRD WELD	
all	11	W7 71199	6458 180 DEG PULLEY GRD WELD	
all	12	27A965	PULLEY ZINC PLATE #CPS6150	
all	13	07 44185	AIR CYLINDER MOUNT SPACER	
all	14	15G264A	HEXJAMNUT 1+1/4-12UNF 2B ZINC	
all	15	17A051	EYEBOLT 1/4-20X2"LONG ZINC	
all	16	27A964B	CABLE 3/32" 3095GN4 GALVANIZED	
all	17	27A963B	LOOP SLEEVE 3/32" 7092A	
all	18	27A962B	THIMBLE SS 3/32 AN100-4	
all	19	17A074	TURNBKLE 1/4X4 EYE+EYE ZINC	
all	20	09RPE011	PHOTOEYE VALU-BEAM 10-30DC	
all	21	03 E3X6A	ENCL:PHOTOEYE MOUNTING BOX	
all	22	03 E3X6B	PHOTOEYE COVER	
all	23	09RPS30ADS	PROX SW QK CONN 30M NO-DC SHLD	
all	24	09RPSDC095	CON.90DEG FEMALE DC 3A300V 5M	
all	25	07 40959	LOAD DOOR PROXIMITY SWT BRKT	

Parts List, cont.—Load Door Installation

Used In	Item	Part Number	Description	Comments
all	26	07 44188	BRKT=LOAD DR PHOTO/PROX	
all	27	09RPE001A	REFLECTOR 3"DIA CLEAR	
all	28	15K041	HXCAPSCR 1/4-2OUNC2AX1 GR 5 ZI	
all	29	15G164	HX THIN LOCKNUT NYL1/4-20 SS	
all	30	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	31	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	32	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	33	15G205	HXNUT 3/8-16UNC2B ZINC GR2	

Load Door

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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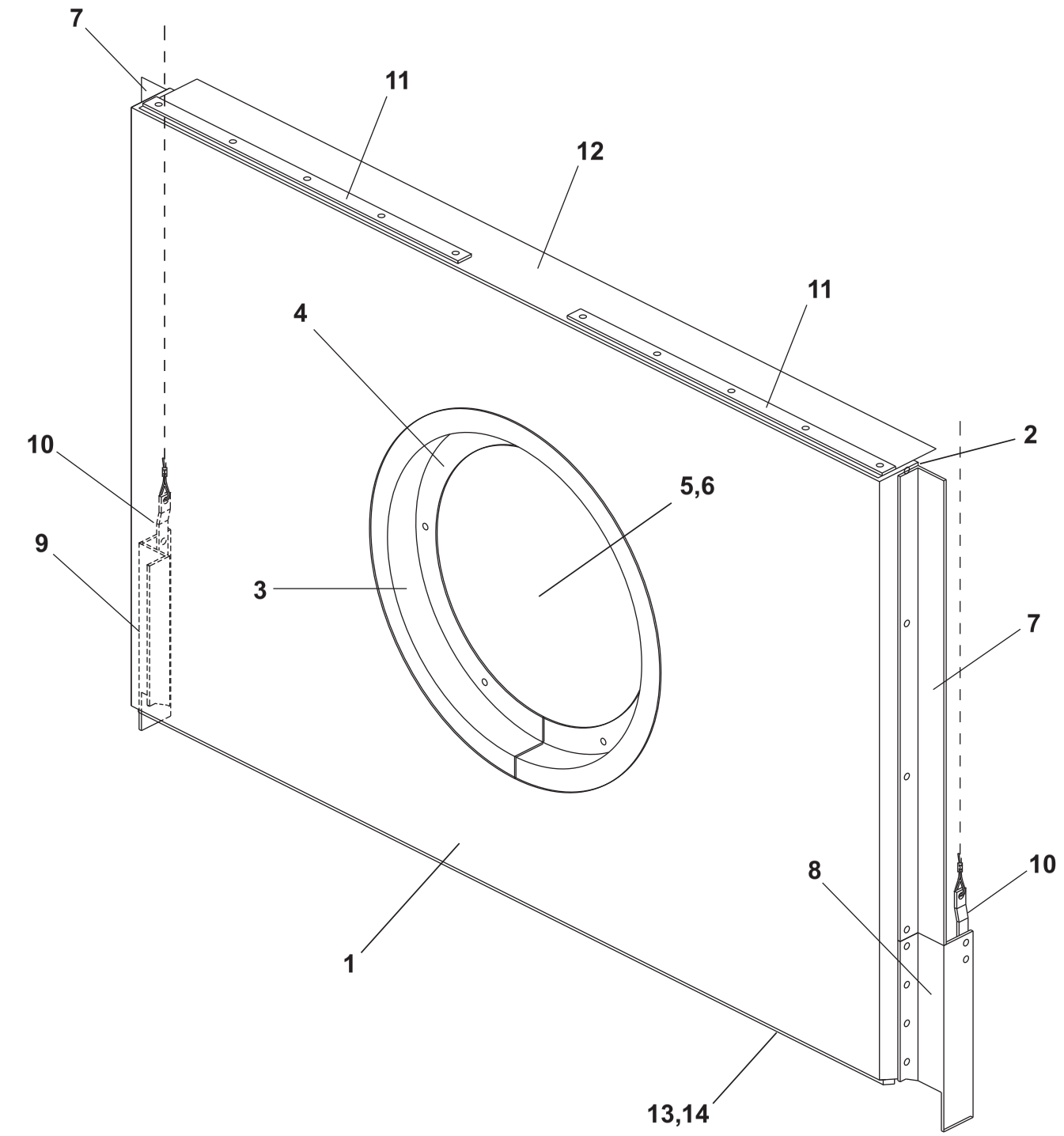

Parts List—Load Door

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	A74SD015	ASSY=50040DRY LD VERTICAL	
			----------COMPONENTS----------	
all	1	07 40914	LOAD DOOR MAIN - OUTSIDE (COLOR=PHANTOM GRAY)	
all	2	07 40916	LOAD DOOR MAIN - S/S INSIDE	
all	3	W7 40915	*WLMT = SIGHT GLASS RING	
all	4	07 50057	RING=SIGHGLASS LOAD DOOR	
all	5	02 02366A	GASKET DOORGLASS = DRYER	
all	6	02 09215	DRGLASS 12 3/8DIA SS STAMPED	
all	7	07 40917	LOAD DOOR SEAL-TALL	
all	8	07 44182A	5040 LD SEAL RIGHT (COLOR=WARM GRAY)	
all	9	07 44182	5040 LD SEAL LEFT (COLOR=WARM GRAY)	
all	10	07 44184	5040 DOOR WIRE BRKT (COLOR=WARM GRAY)	
all	11	07 50012	LOAD DOOR SEAL STRAP	
all	12	07 50013A	RUBBER LOAD DOOR SEAL WIDE	
all	13	27A680	FELT 1/4"THK X 1"W SAE F-6	
all	14	20C044	RUB/GASKET ADH 3M#EC1300 PINTS	

Unload Door

5040**TG2L/R,TS2L/R** 50**50TG1L/R,TS1L/R**

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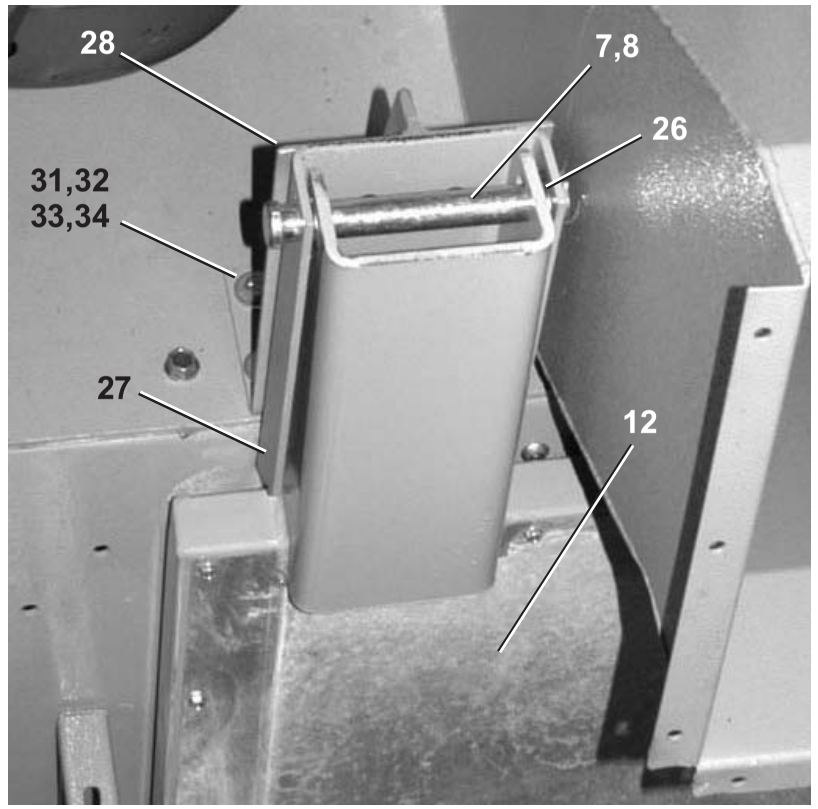

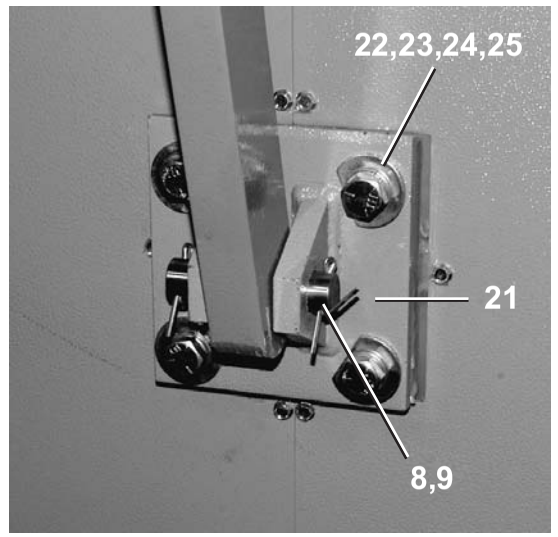

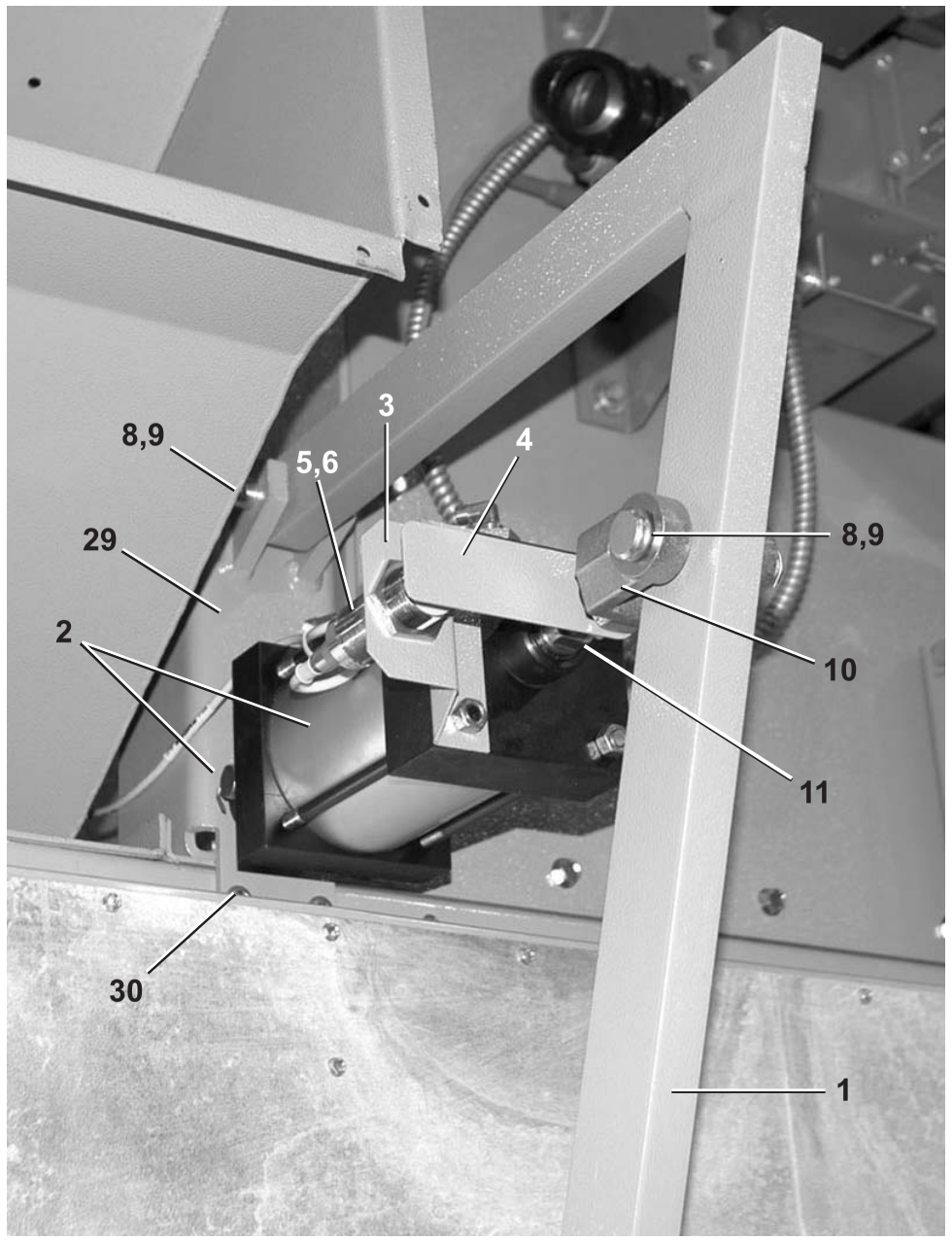

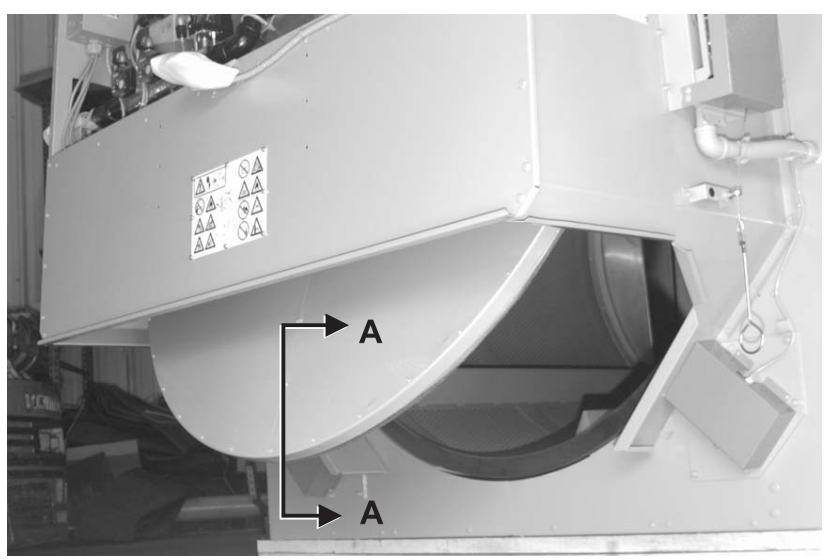

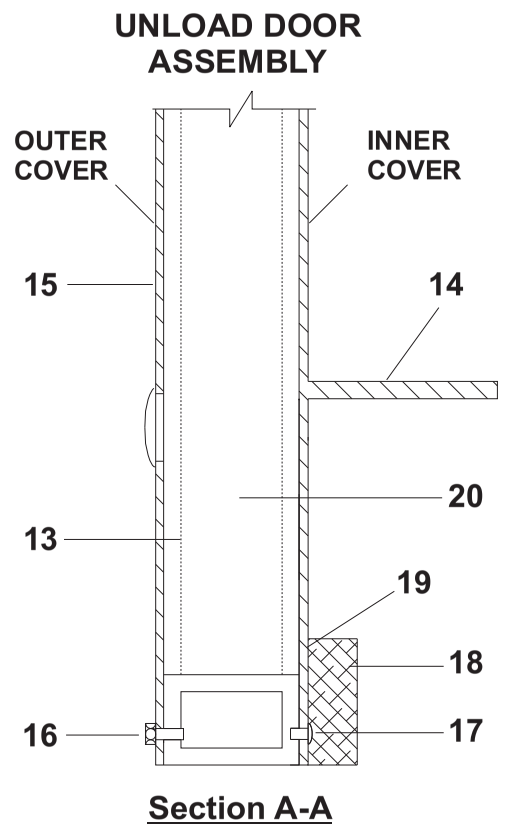

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Parts List—Unload Door

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	G74SD014	5040TG2 UNLOAD DOOR WIDE INST	DOOR INSTALLATION
	B	A74SD014	5040 UNLD DR ASSY REAR DISCHRG	DOOR ASSEMBLY
			----------COMPONENTS----------	
all	1	W7 40712	*UNLOAD DOOR LINK-ARM WLD5040	
all	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	CLEVIS PIN 3/4X5+21/32 ZN SPEC	
all	8	15H051	STDCOTTERPIN 1/8X1+1/2ZINCPL	
all	9	17A045A	CLEVIS PIN HARD CHROME3/4X3.09	
all	10	17A049B	CLEVIS ROD END 3/4-16#RC-0750	
all	11	15G239S	HEXJAMNUT 3/4-16UNF2 SS18-8	
all	13	W7 44004	5040 UNLD DR FRAME WELD WIDE	
all	14	W7 44000	5040 UNLD DR INNER SKIN WELD	
all	15	07 44009	5040 INSUL COVER UNLD DR WIDE	
all	16	15P059	SCRHXSELFDR:10-16X1/2 #2 ZINC	
all	17	15P053	8-18X3/4 PPHTEKSSW/MICROSPHERE	
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	
all	22	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	23	15K173A	HXCAPSCR 1/2-13UNC2AX1.75 GR5	
all	24	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	25	15U280C	FLATWASH(US STD)1/2"CLIP+ZNC	
all	26	15U320P	FLATWASHER(USS STD) 3/4" ZNC P	
all	27	07 44041	5040 UNLOAD DOOR HINGE	

Parts List, cont.—Document Name

Used In	Item	Part Number	Description	Comments
all	28	W7 44098	5040 REAR EXHAUST UNLD WELD	
all	29	W7 44040	WLMT=5040 GAS UNLOAD DR CYL	
all	30	15K084	TRUSS HXSOK 3/8-16 X 23/32SS	
all	31	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
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	
.				

Unload Shroud

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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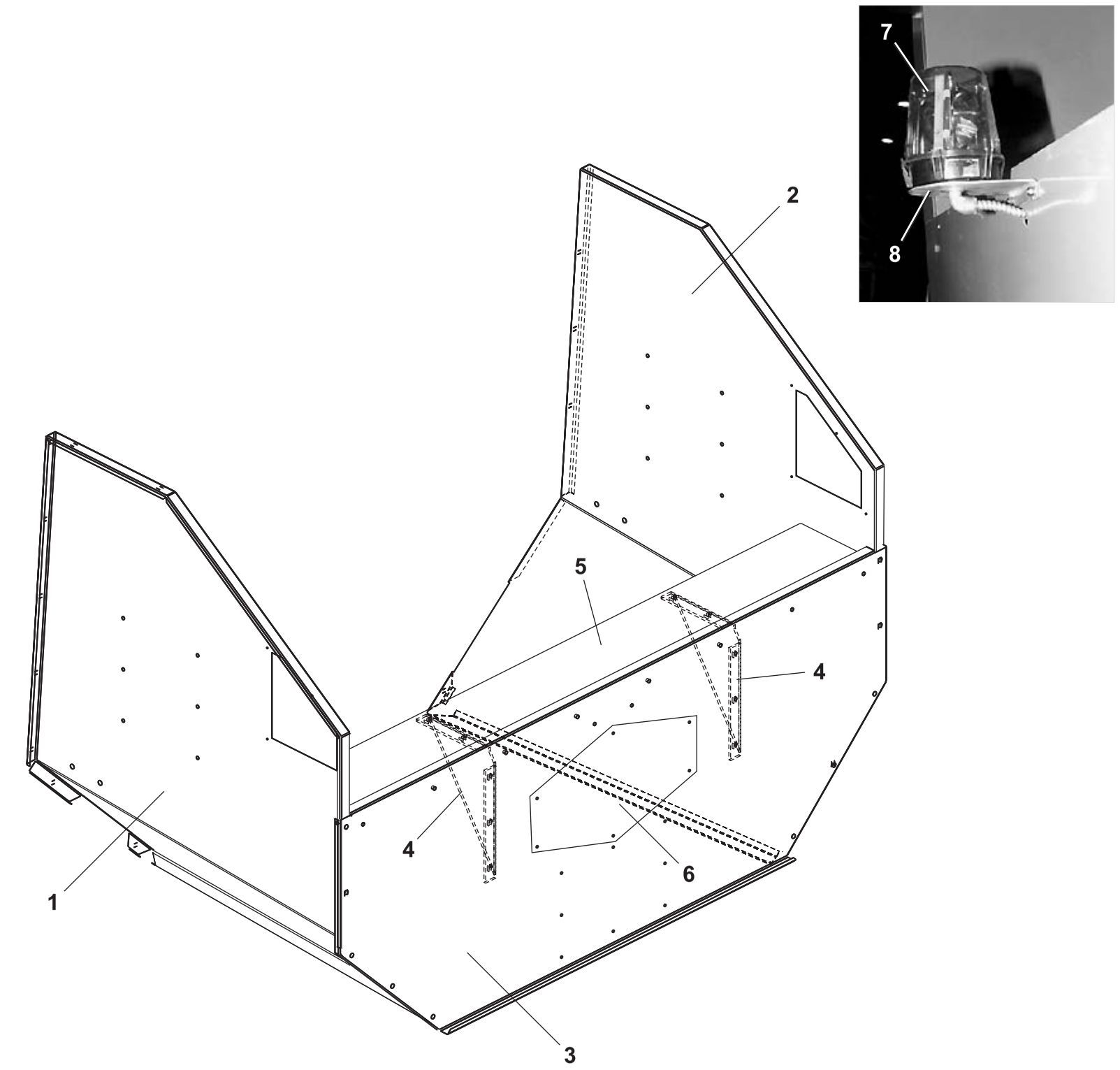

Parts List—Unload Shroud

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	G74GS002	5040 UNLOAD SHROUD	
			----------COMPONENTS----------	
all	1	07 41230	5040 UNLOAD SHROUD RIGHT	
all	2	07 41230A	5040 UNLOAD SHROUD LEFT	
all	3	07 41231	5040 UNLOAD SHROUD BACK PLT	
all	4	07 71156	6458 PIPE SUPP GUSSET BKT	
all	5	07 41232	5040 GAS PIPE SUPPORT PLT	
all	6	01 10034A	NAMEPLATE,LARGE "MILNOR" LOGO	
All	7	09H025V37	BEACON ROTARY 5.5"DIA AMBER	
All	8	03 BL1X6Y	BRKT:MIC6 DRY FLASH DIS LITE	

Air Flow Assemblies 6

Blower Installation & Exhaust Duct to Rear

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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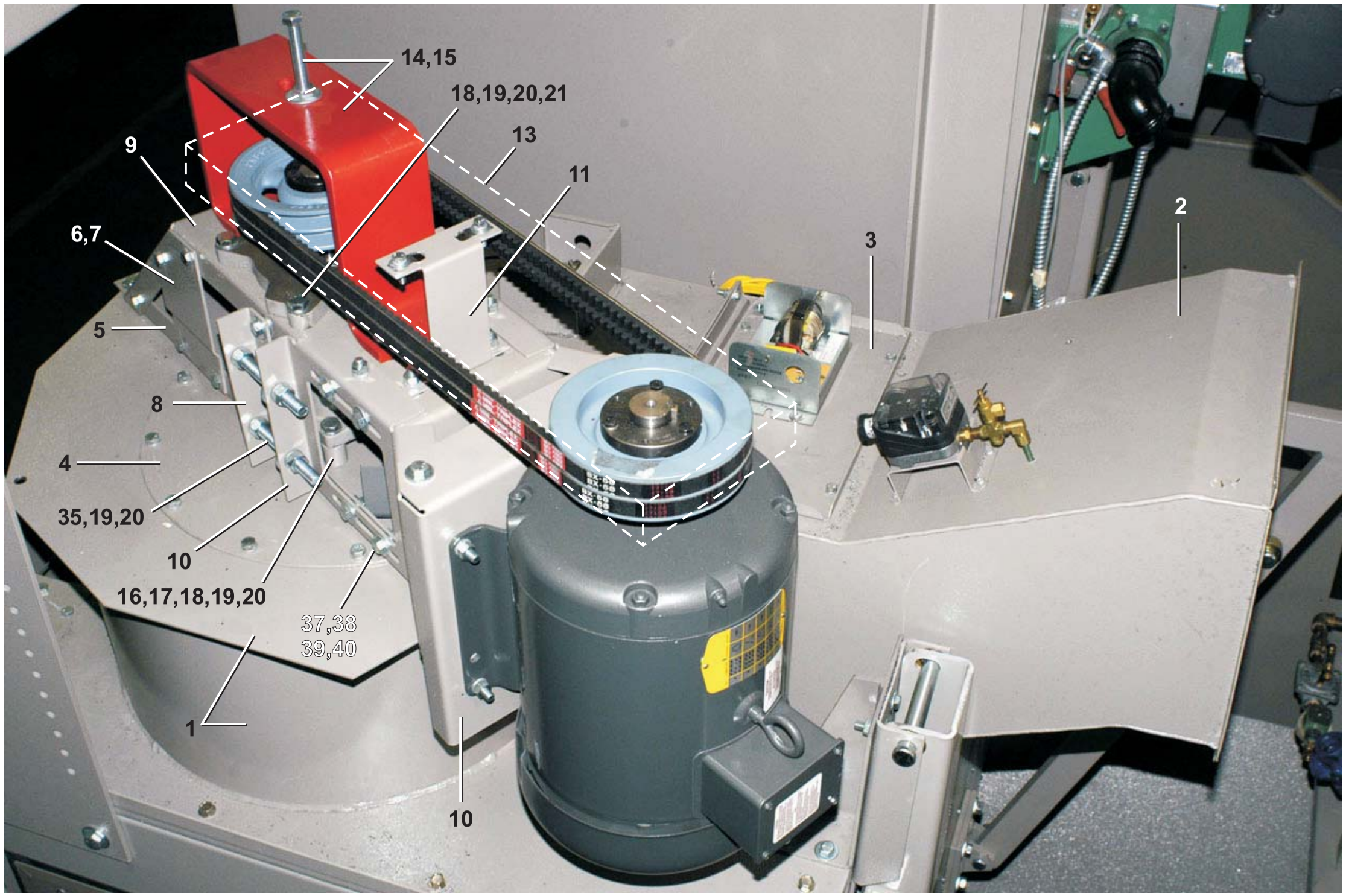

Blower Installation & Exhaust Duct to Rear

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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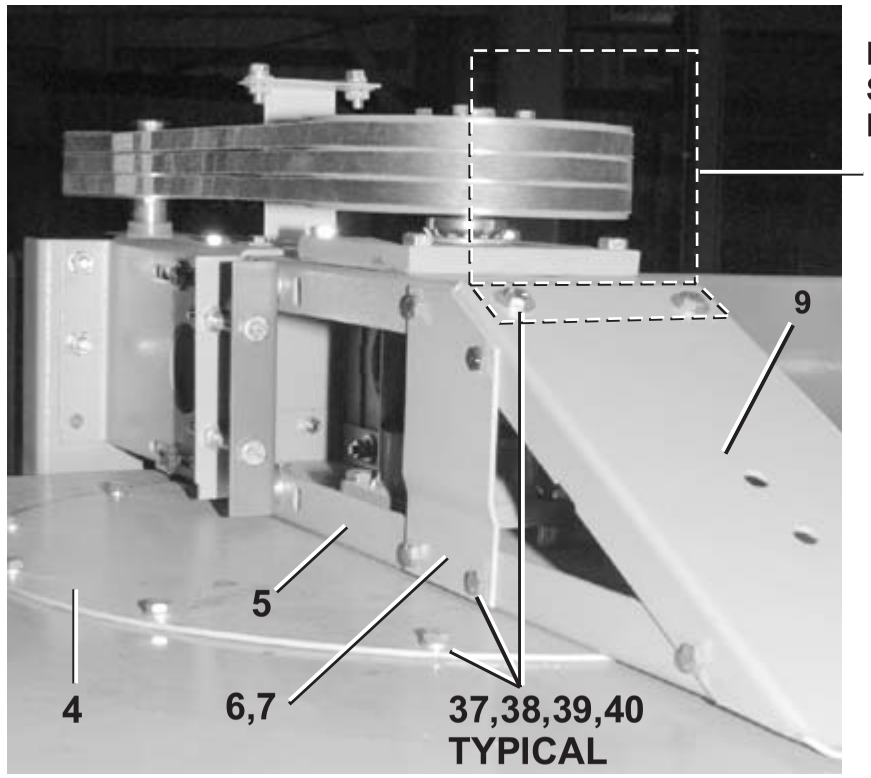
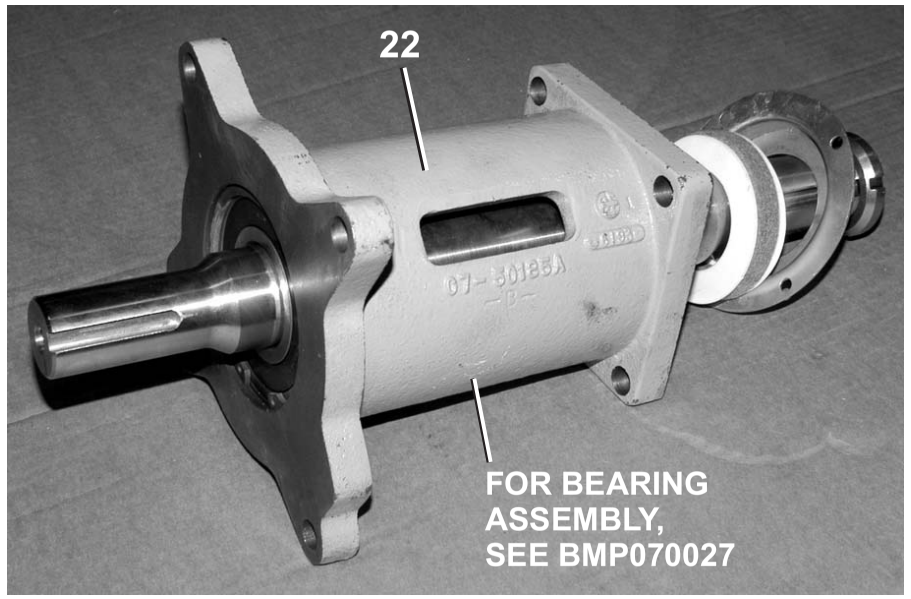
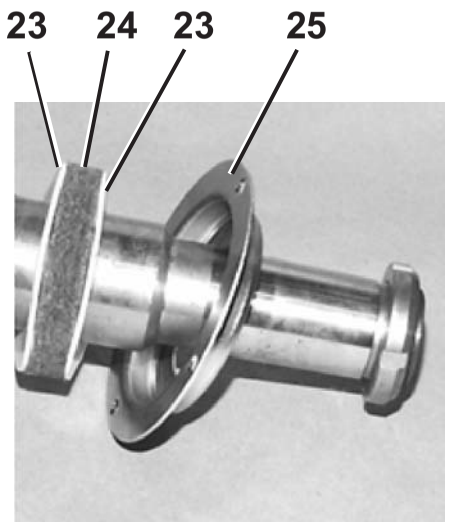
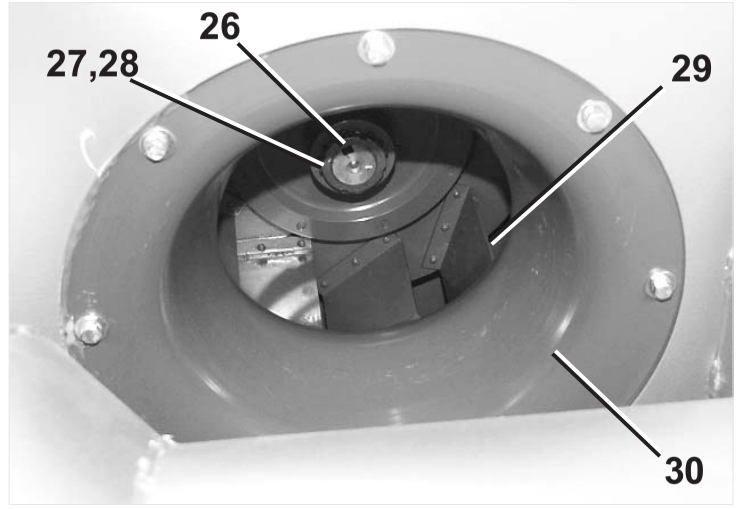


BLOWER BLOW DOWN







UNDERSIDE OF BLOWER

Blower Installation & Exhaust Duct to Rear

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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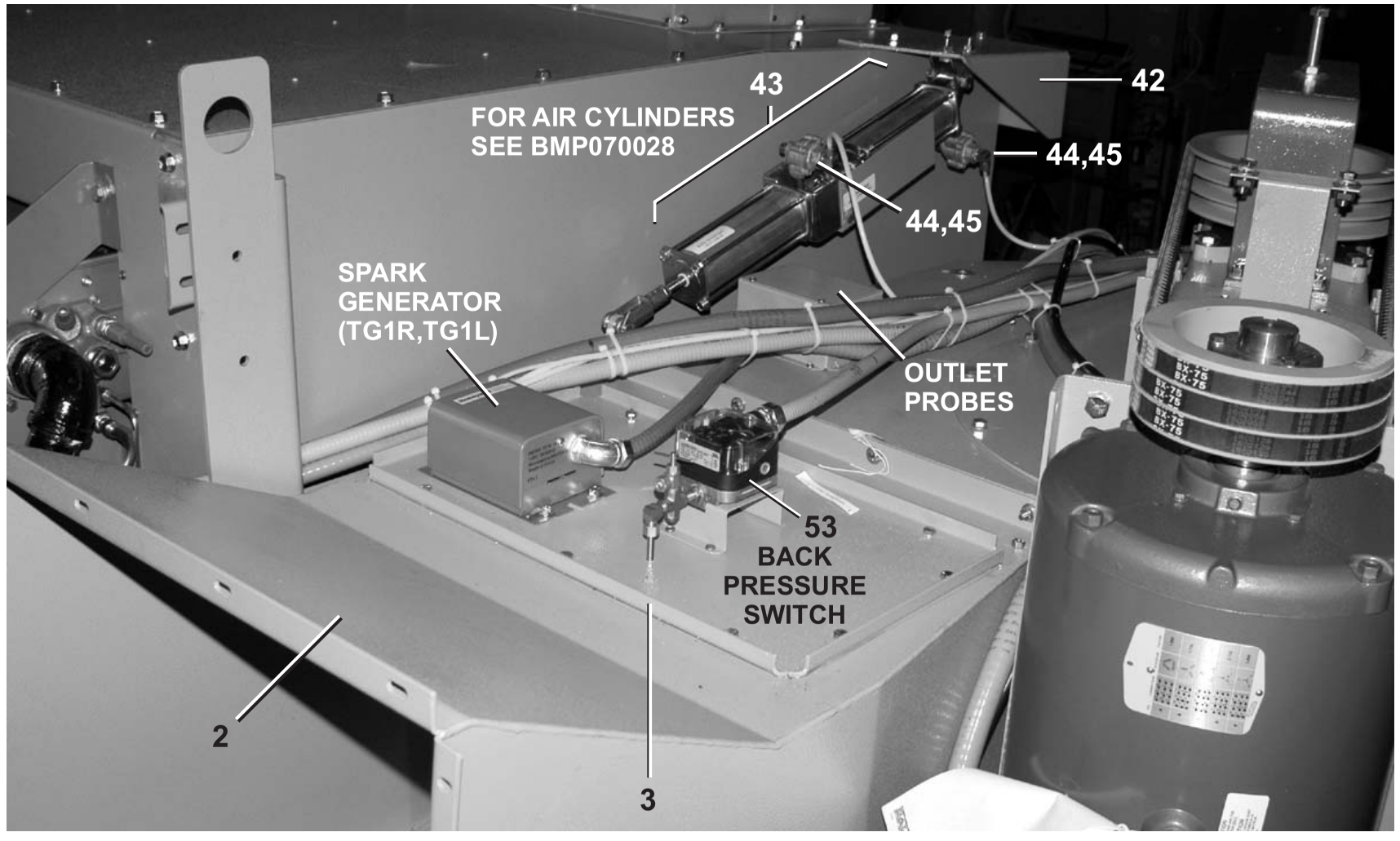
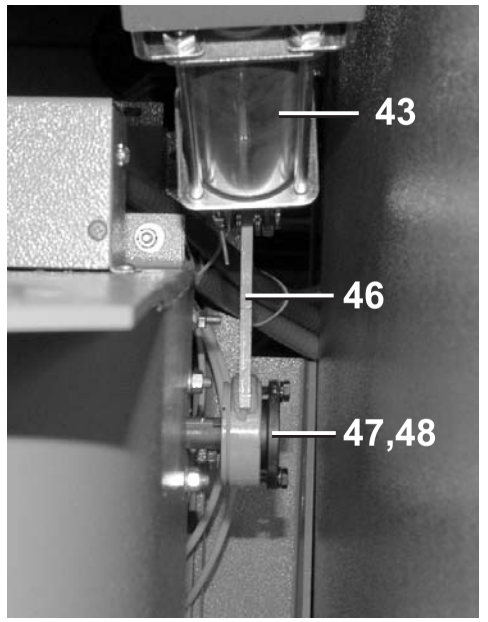
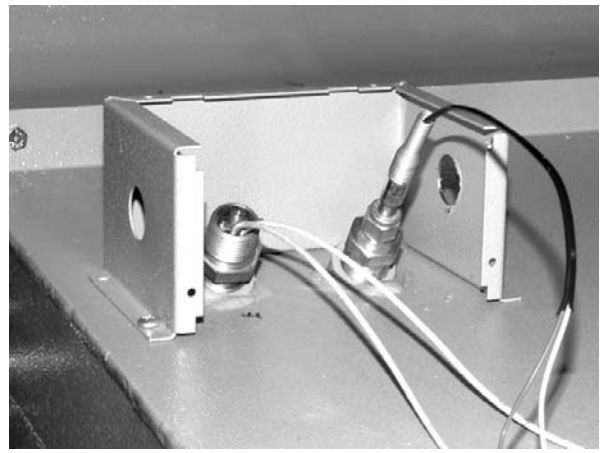
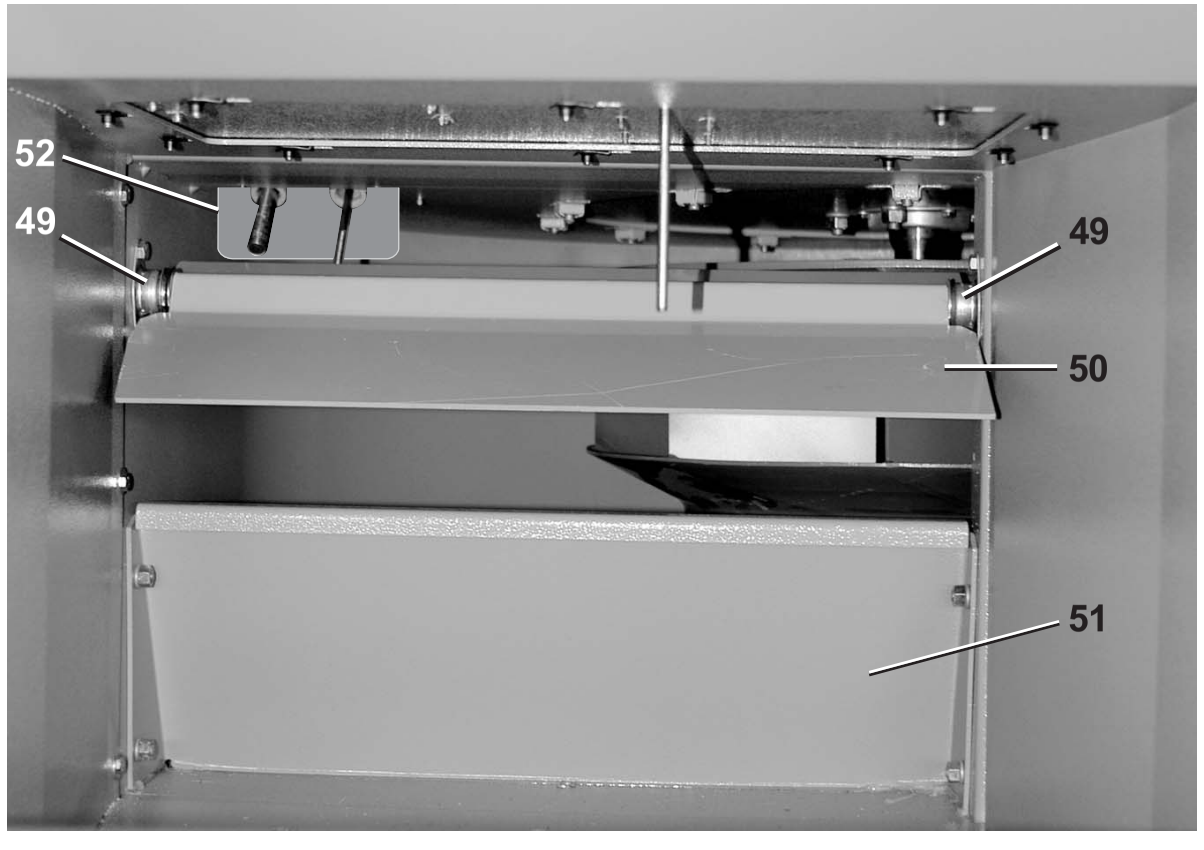






OUTLET PROBES

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	A74BA001B	5040 BLWR+DMPR ASSY GAS-LEFT	BLOWER LEFT
	B	A74BA001C	5040 BLWR+DMPR ASSY GAS-RIGHT	BLOWER RIGHT
			----------COMPONENTS----------	
A	1	W7 40456A	5040 BLOWER WELDMENT-LEFT	
B	1	W7 40456B	5040 BLOWER WELDMENT-RIGHT	
A	2	W7 40452A	WLMT=5040 BLOWER EXHAUST/LEFT	
B	2	W7 40452B	WLMT=5040 BLOWER EXHAUST/RIGHT	
all	3	07 40446	COVER=DAMPER ACCESS	
all	4	07 60037	15" BLOWER HSG. COVER PLATE	
all	5	07 60078A	15"BLWR BKT MTR BOT CHNL	
all	6	07 60090	15"BLOWER BKT.SUPPORT L.	
all	7	07 60090A	15"BLOWER BKT SUPPORT R	
all	8	07 50252	ANGLE=BELT ADJ BLOWER MOTOR	
all	9	07 60077A	15"BLWR BKT MTR TOP CHNL	
all	10	07 60039	15"BLOWER MOTOR MT BRKT	
all	11	07 50262	BRACKET=MAIN BLW BELT GUARD	
all	12	07 60075	BRKT=15"BLOWER BELT GUARD LFT	
all	13	07 50268	MAIN BLOWER BELT GUARD	
all	14	07 50187	BLOWER BEARING HOLDER	
all	15	15D119	HXTAPSCR 1/2-13X4 GR5 ZNC FTL	
all	16	07 50179	BLOWER BRG HSE SPACER=00143	
all	17	15K198	HEXCAPSCR 1/2-13UNC2AX3 GR5 ZI	
all	18	15U243	FLTWASHER 7/8ODX33/64IDX16GA Z	
all	19	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	20	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	21	15K182	HEXTAPSCR 1/2-13X2ZINC GR5 FUL	
all	22	A75BG004	BLW BRG HSE ASSY=2001354	
all	23	07 50288	BLOWER SHAFT TEFLON SEAL	
all	24	07 50287	BLOWER SHAFT FELT SEAL	
all	25	07 50286	BLOWER SHAFT SEAL CAP	
all	26	15E225	SQMACHKEY 3/8X1+1/2 NOTAPER-NO	

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

Used In	Item	Part Number	Description	Comments
all	27	56AHN08	N08 BEARING LOCKNUT	
all	28	56AHW108	TW108 BEARING LOCKWASHER	
all	29	13E150TCCW	BLOWER WHL 15"CL-2 CCWTABERHUB	
all	30	07 60067	15" DIA INLET NOZZLE 5840	
all	31	W7 60265	*LINT NOZZLE PLATE WLMT	
all	32	51E505	HOSESTEM BRASS 3/8H XMPT	
all	33	12P014SZ	TUBE CLAMP 1/2"ST/Z TIN#4886S	
all	34	60E005F	TUBING NYL.BLK.1/2"ODX.375ID	
all	35	15K202	HEXCAPSCR 1/2-13UNC2AX5 GR5 ZI	
all	36	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	37	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	38	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	39	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	40	15K105	HXCAPSCR 3/8-16UNC2A1.25 GR5 P	
all	41	17N070P	RETAIN NUT 3/8-16 #S10100-27	
A	42	07 44163	5040 L REAR EXH MAIN CYL SUPP	
B	42	07 44163A	5040 R REAR EXH MAIN CYL SUPP	
all	43	A77AC003	6458 MAIN DAMP CYL ASSY	
all	44	96M055	DELTROL QUICK EXHAUST VLV.1/4"	
all	45	5SP0GFFSSV	NPT PLUG 3/8 SQSOLIDVENTBLKSTL	
all	47	15E195	SQMACHKEY 3/16X1+1/2 NOTAPER&H	
all	48	56Q0PH	3/4" BUSH VPUL TYPE H,D, OR QT	
all	49	54E015	FLGMTBRG 3/4 BORE BRZ #FLB12	
all	50	W7 60060	*15"BLOWER DAMPER WLMT	
all	51	07 60057	15" BLOWER CUTOFF PLATE	
all	52	07 71040	FENWALL DEFLECTOR	
all	53	A77BP001	6458 BACK PRESSURE SWIT ASSY	

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

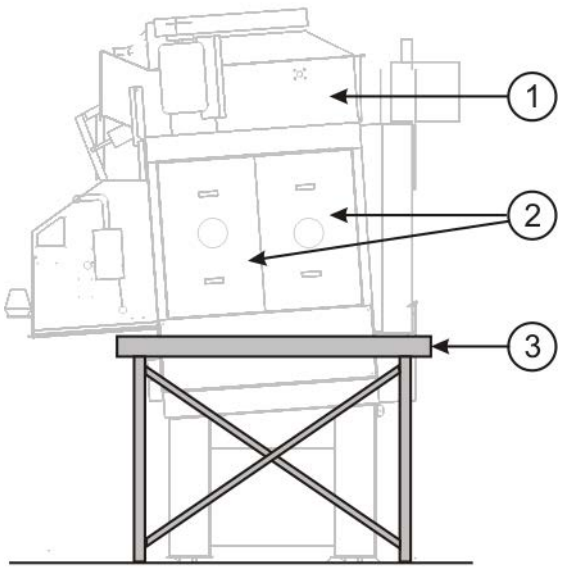
- Two maintenance personnel to handle the blower wheel overhead. Blower wheels range in weight from about 50 to 90 pounds (23 to 41 Kg).
- A sturdy scaffold or platform to work at the level of the dryer housing (see Figure 1)
- Dryer service manual (see the Blower Installation..." document)
- Replacement 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

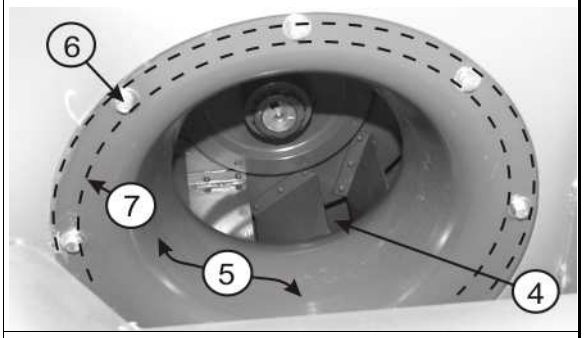
1. Familiarize yourself with the blower assembly (see the service manual).
2. Set up the scaffold or platform against the blower side of the dryer as shown in Figure 1.
3. **Remove electrical power from the machine (see Notice P1).** Allow the machine to cool.
4. Remove the two access panels on the blower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

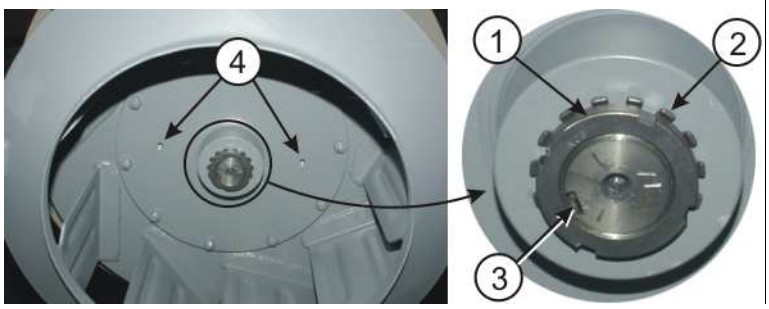
3. Refer to Figure 2. The blower wheel is held on the shaft by a bearing lock nut (item 1), a bearing lock washer (item 2), a shaft key (item 3), and a tight fit on the shaft taper. Bend the tab on the lock washer away from the groove in the lock nut. Loosen, **but do not remove** the lock nut. Tap a 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.

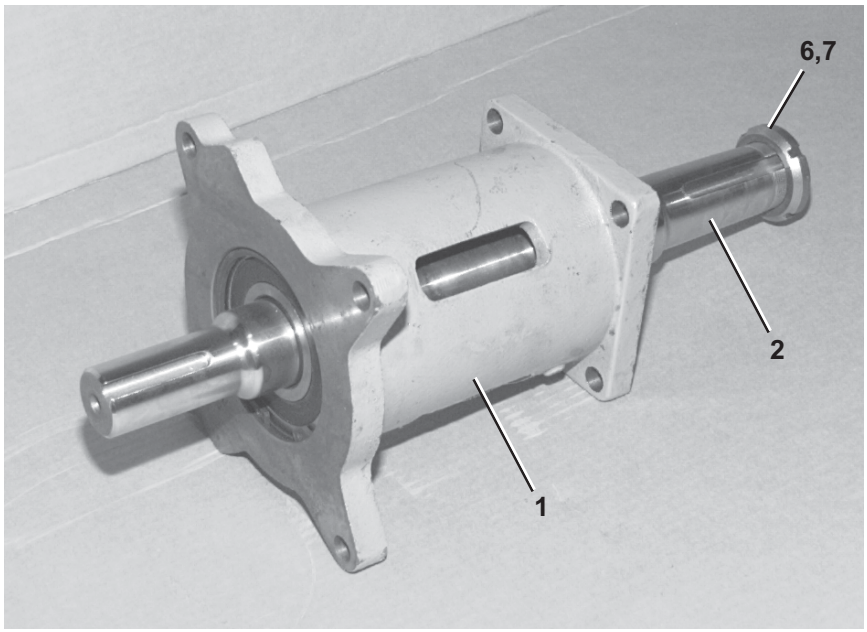
Tip: If the blower wheel rubs against the cone, you will probably hear a metalic rubbing sound. This is normally not serious and the noise should dissipate after the machine is in operation for a while and the cone wears down. If the noise is objectionable, remove electrical power from the machine (see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

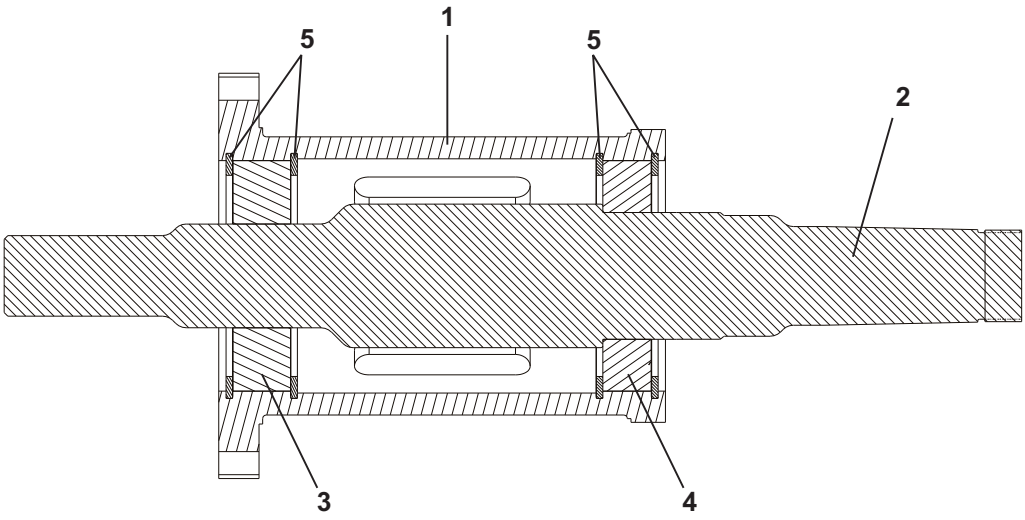
9. If any unusual noise or vibration persists, consult Milnor Technical Support.
10. Replace the side panels and return the dryer to operation.

— End of BIPD6M06 —

Blower Bearing

5050, 64050, 64058, 64064, 72072, 76076, 82082 Dryers





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.

Parts List—Blower Bearing Assembly

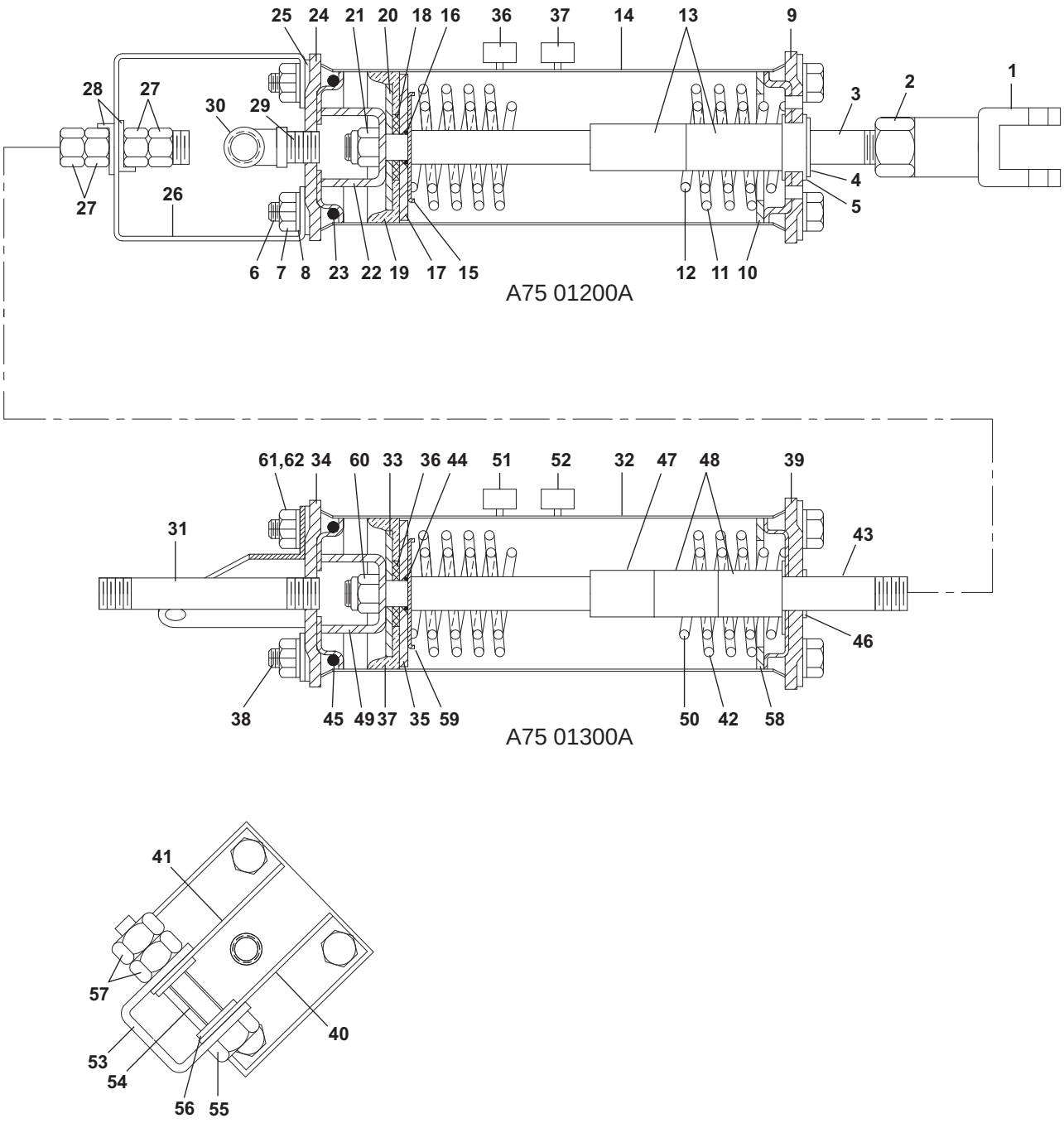
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLY----------	
	A	A75BG004	BLW BRG HSE ASSY=2001354	ASSEMBLY, CONTAINS ITEMS (1-7) BELOW
			----------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	

Blower Main Damper Air Cylinders

5040, 5050, 6458, 6464, 7272, 7676 and 8282 Dryers

Figure 1: Cross section



Blower Main Damper Air Cylinders

5040, 5050, 6458, 6464, 7272, 7676 and 8282 Dryers

Parts List—Blower Main Air Damper Air Cylinders

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#	

Blower Main Damper Air Cylinders

5040, 5050, 6458, 6464, 7272, 7676 and 8282 Dryers

Parts List—Blower Main Air Damper Air Cylinders

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	31	5N0ECLSBE2	NPT NIP 1/4XCLS TBE BRASS 125#	
all	32	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	
Xx				
Xx				

Temperature Sensors

5040TG2L/R,TS2L/R 5050TG1L/R,TS1L/R

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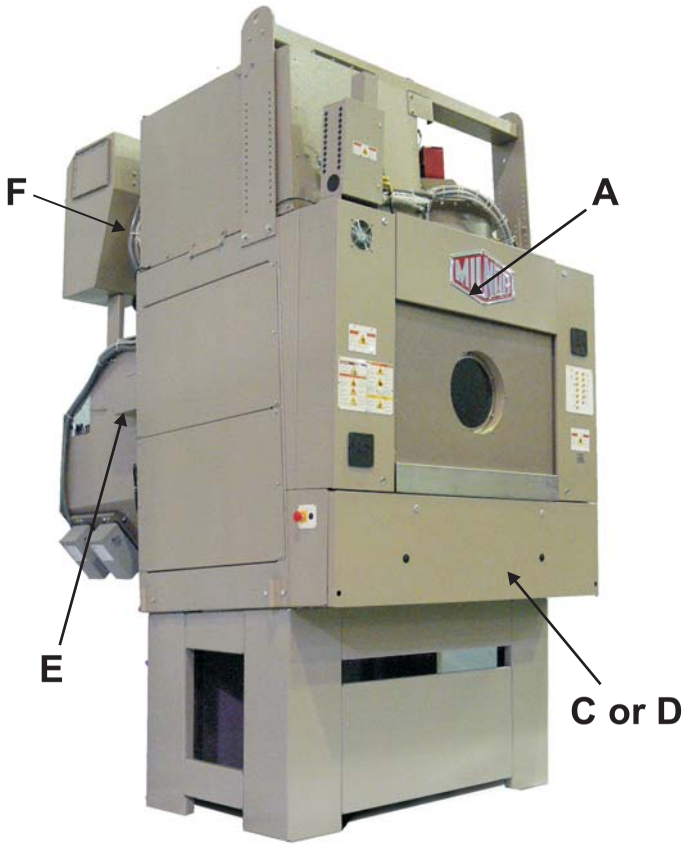
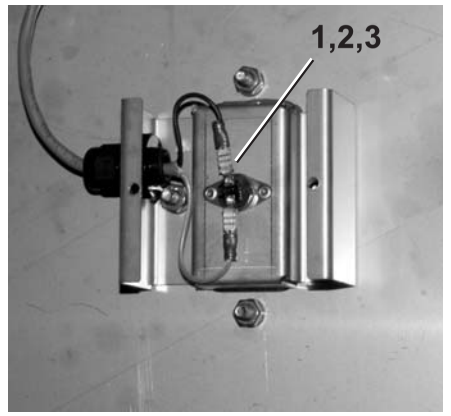
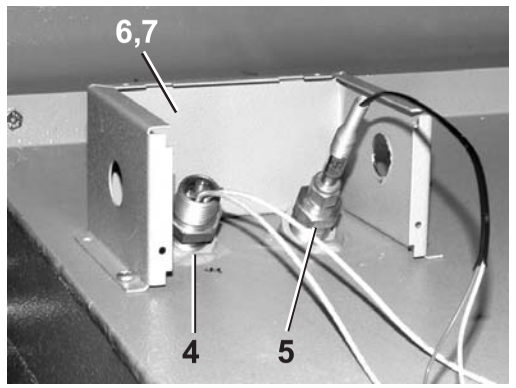


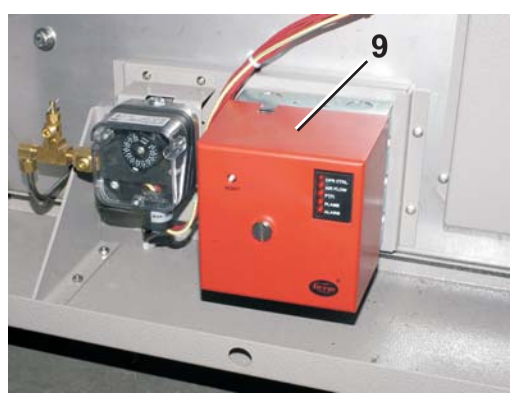


A. Basket temperature switch

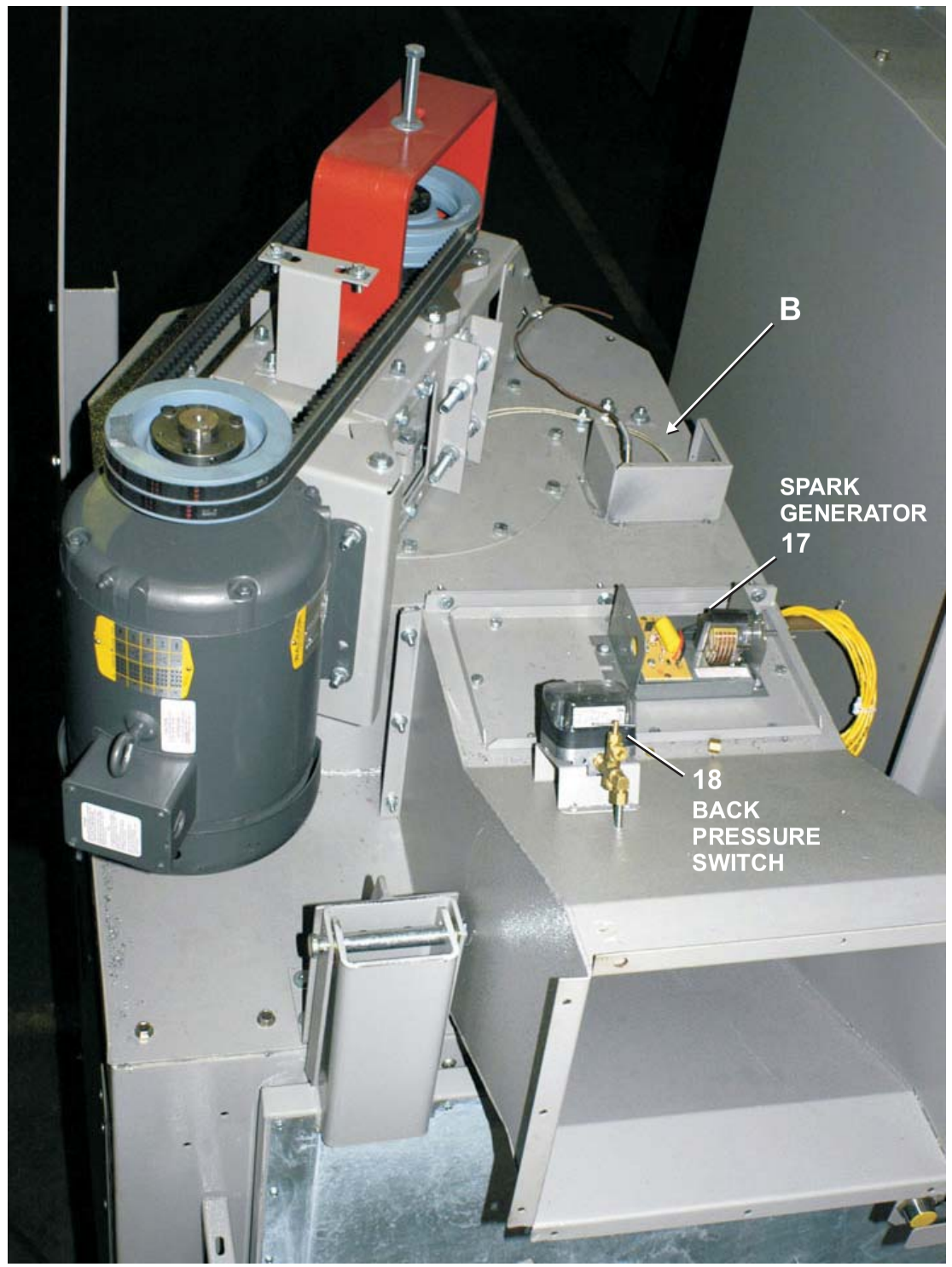


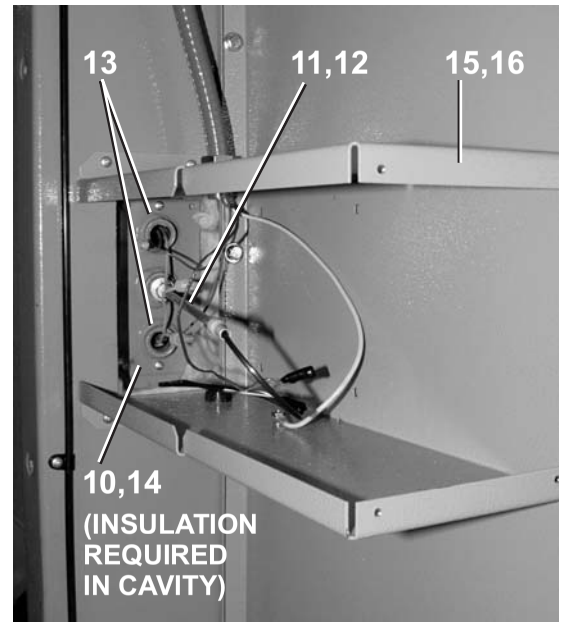
B. Outlet temperature switch and temperature probe

C. Burner Controller (5040TG2L, TG2R European gas trains)



D. Fire eye (5040TG2L,TG2R only)





E. Inlet temperature probe

F. Burner thermostat

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Parts List—Temperature Sensors

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----------	----------
----------	----------	----------	----------COMPONENTS----------	----------
all	1	30RA225T	THERMOSTAT CLOSES AT 225-DEG F	
all	2	07 71531	6458 HIGH TEMP SWITCH HOLDER	
all	3	07 71533	6458 HIGH TEMP SWITCH COVER	
all	4	30R0225P	THERMOSW.FENWAL CLOSE @ 225F	5040TG2L/R,5050TG1L/R
all	4	30R0240P	THERMOSW.FENWAL CLOSE @ 240F	5040TS2L/R,5050TS1L/R
all	5	30R0055PP	* DRYER OUTLET T/C PROBE ASSY	
all	6	03 CL4X3Y	COVER:DRYER TEMP PROBE	
all	7	03 E4X3Y	ENCL:DRYER TEMP PROBE	
all	8	09X151	BURNER CTL-AUSTR.110/50 10SEC	5040TG2L/R,5050TG1L/R CE (EUROPE)
all	9	09X150A3	FLAMESAFE CTL ASSY #Mc120	5040TG2L/R,5050TG1L/R
all	10	W3 BF3X5B	PLATE: 100LB DRYER TEMP WELD	
all	11	30R0050PP	100# DRYER T/C PROBE ASSY	
all	12	51A026C	THRMCOUPCON BRAS1/4TUBEX1/2MPT	
all	13	30R0550P	THERMOSW.FENWAL OPEN @ 550F	
all	14	98P030	INSUL.FIBRGLS.24X48X1+1/2E=1SH	
all	15	07 44161	5040 TEMP PROBE BOX	
all	16	07 44162	5040 TEMP PROBE BOX COVER	
	17A	09X175	IGNITION TRANSFRMER Q624A1014B	U.S.
	17B	09X175A	IGNITION TRANSFRMER CE ECLIPSE	CE (EUROPE)
	17BB	09X175AB	MOUNTING KIT FOR 09X175A - ECLIPSE	CE (EUROPE)
all	18	A77BP001	6458 BACK PRESSURE SWIT ASSY	
All	19	30RA175T	THERMOSTAT OPENS AT 175F	

Gas Assemblies 7

Natural Gas Schematic, CSA

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

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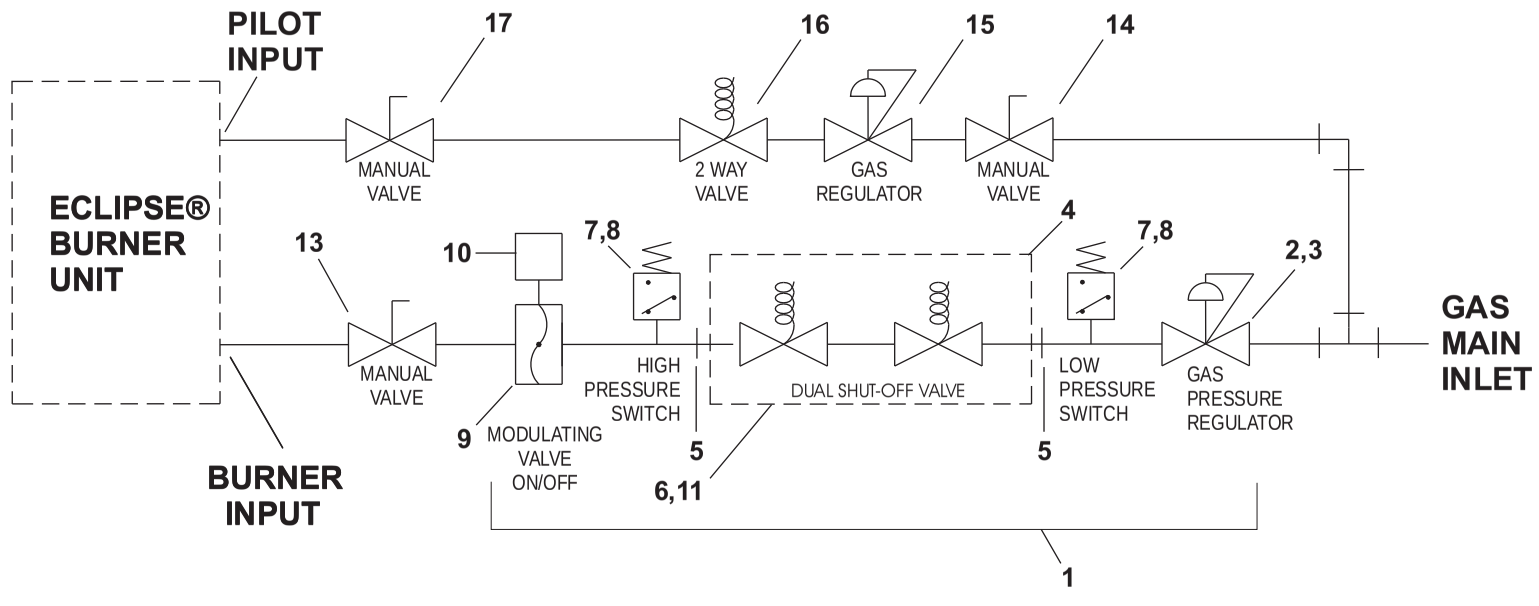
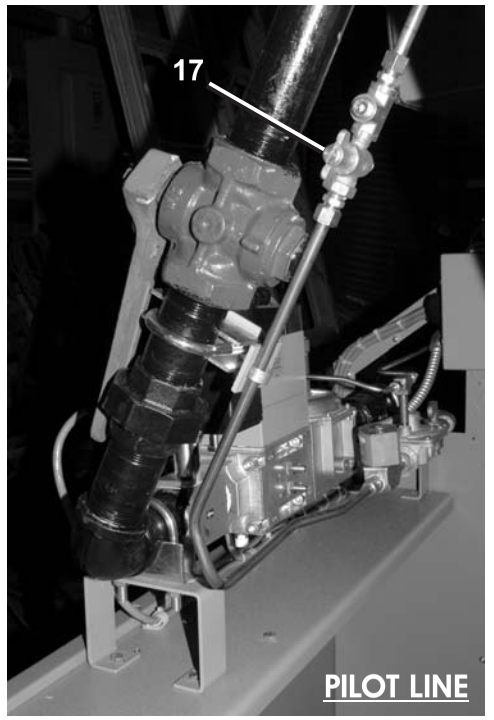
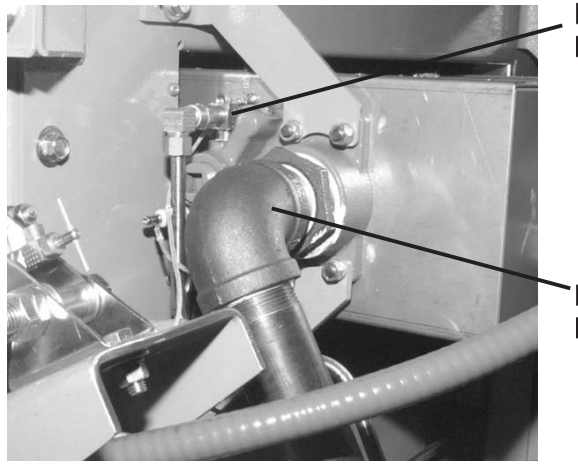
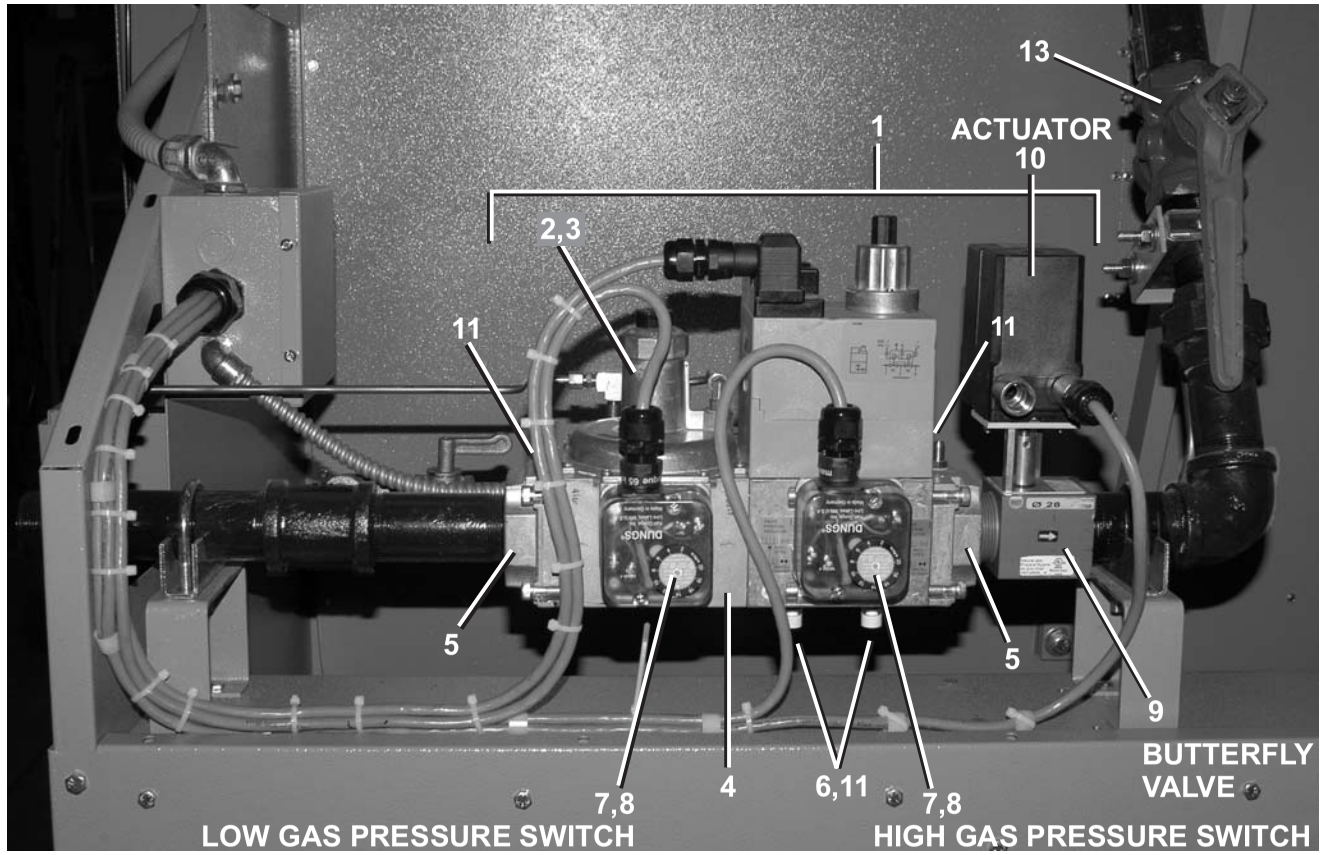
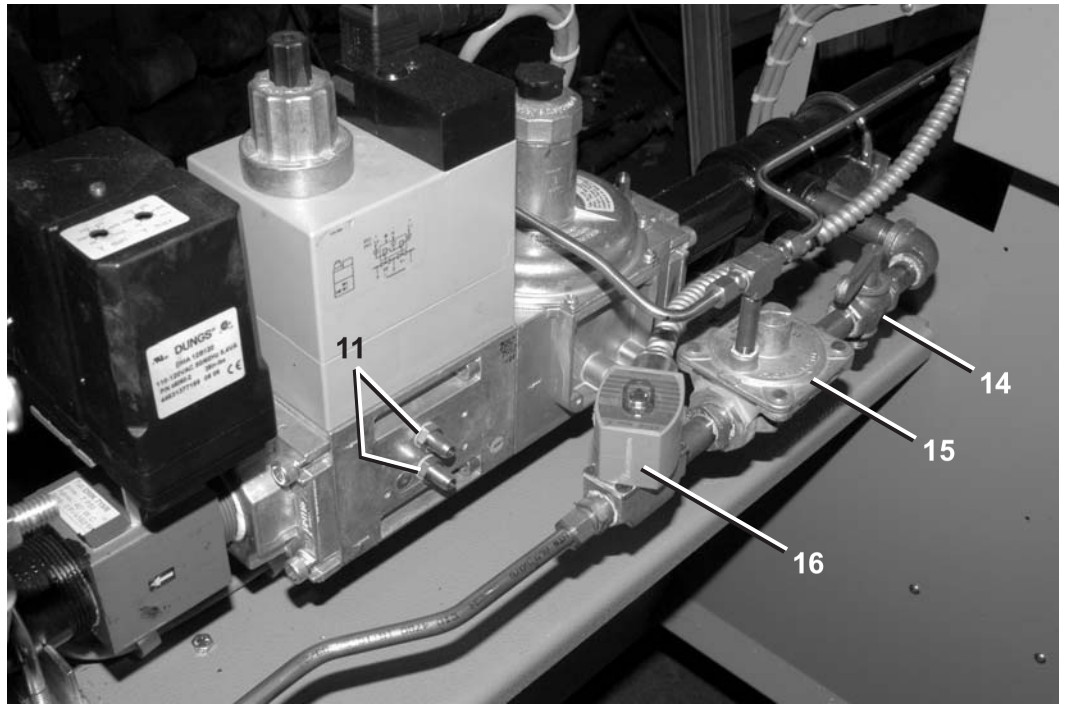








MAIN GAS INLET



PILOT LINE

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

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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

5040TG2L/R, 5050TG1L/R

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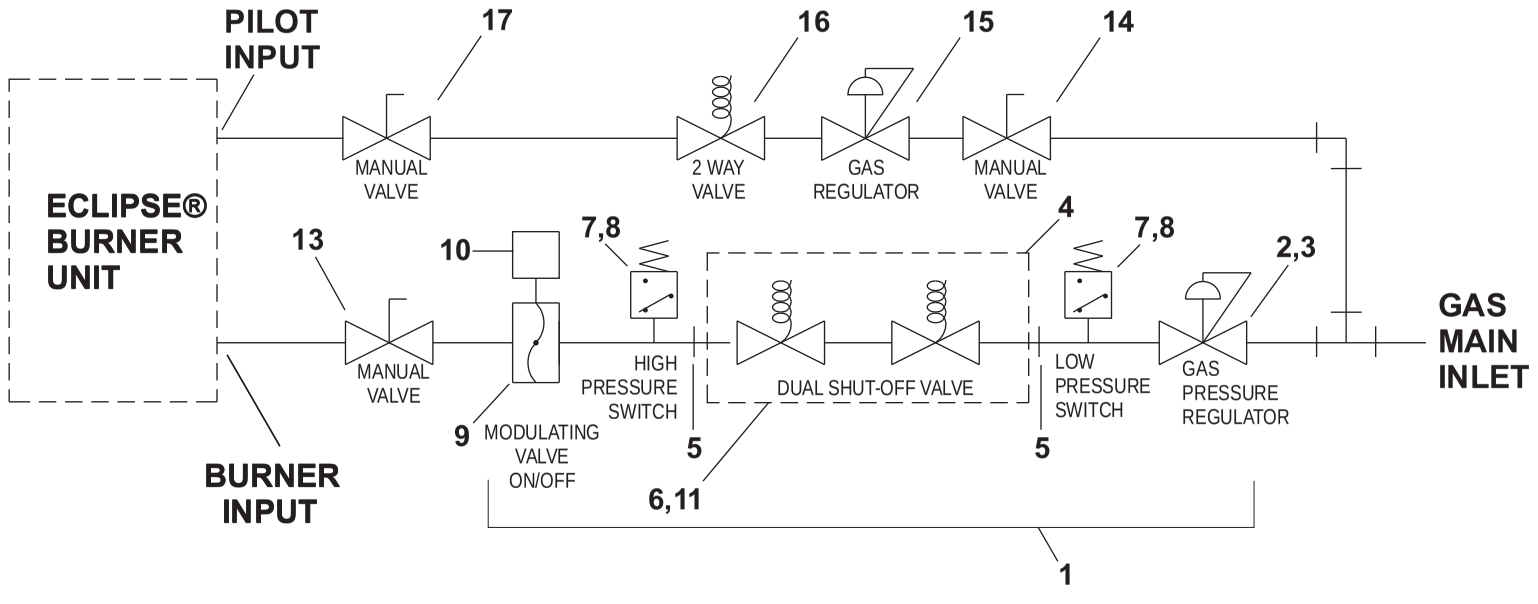
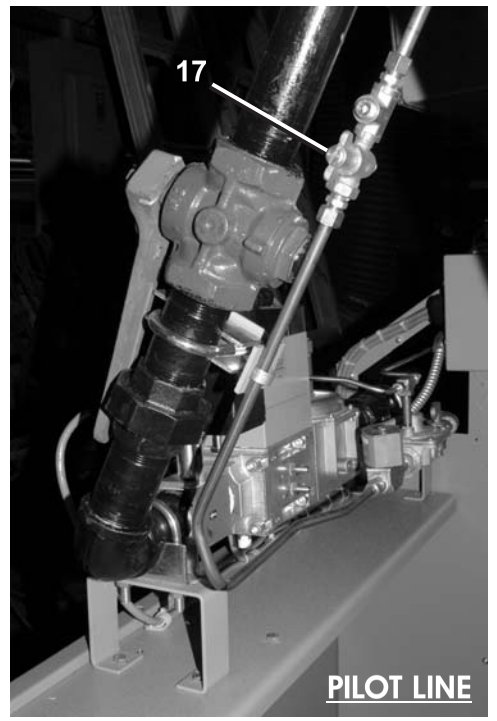
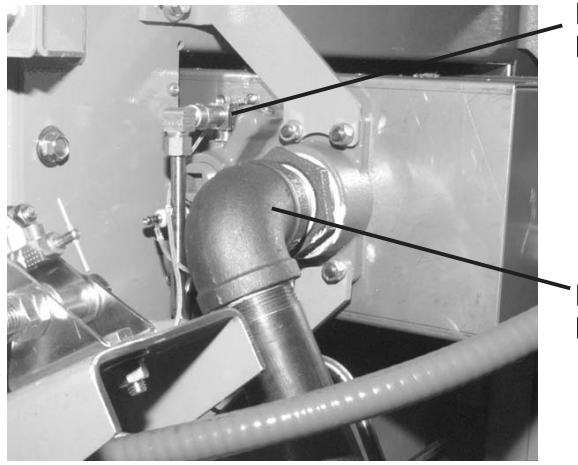
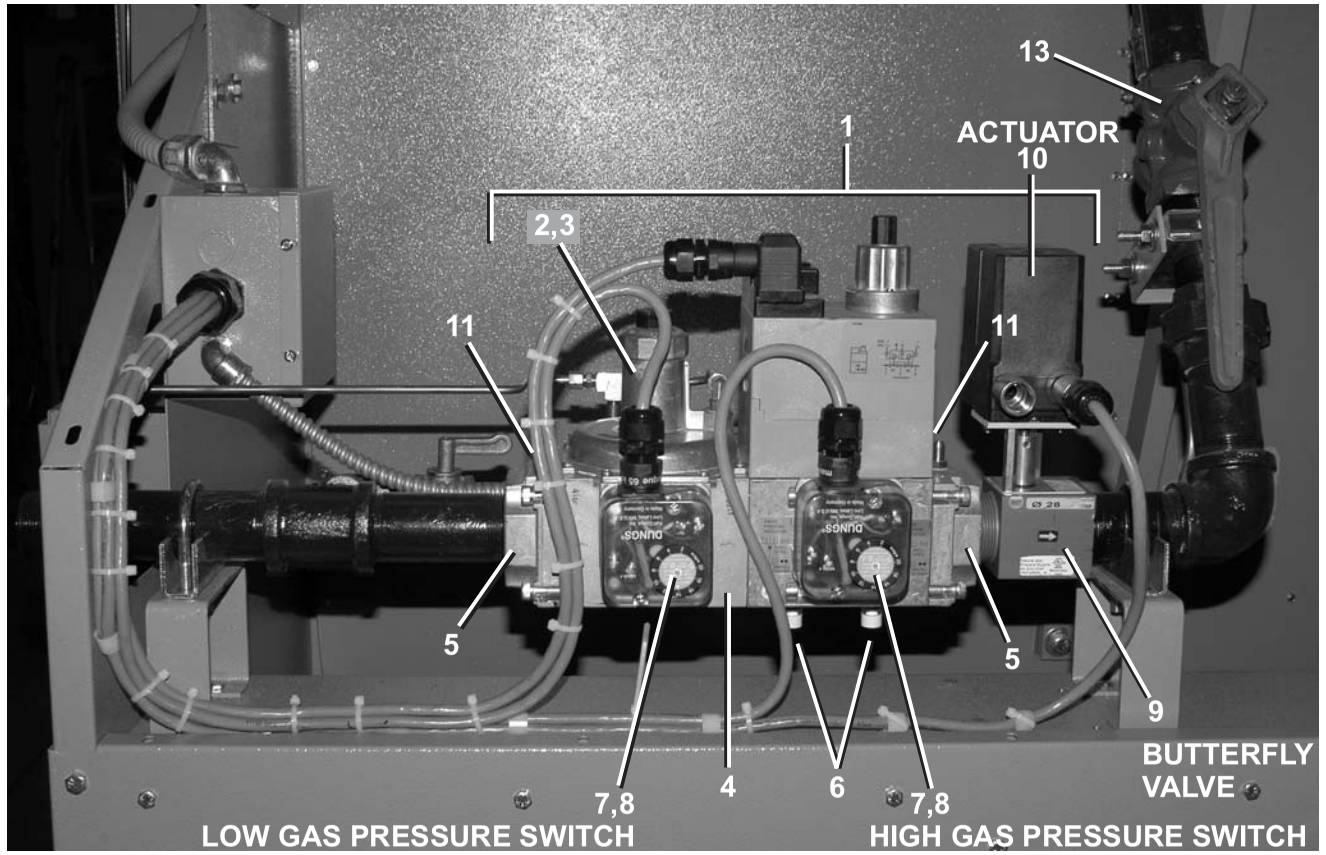
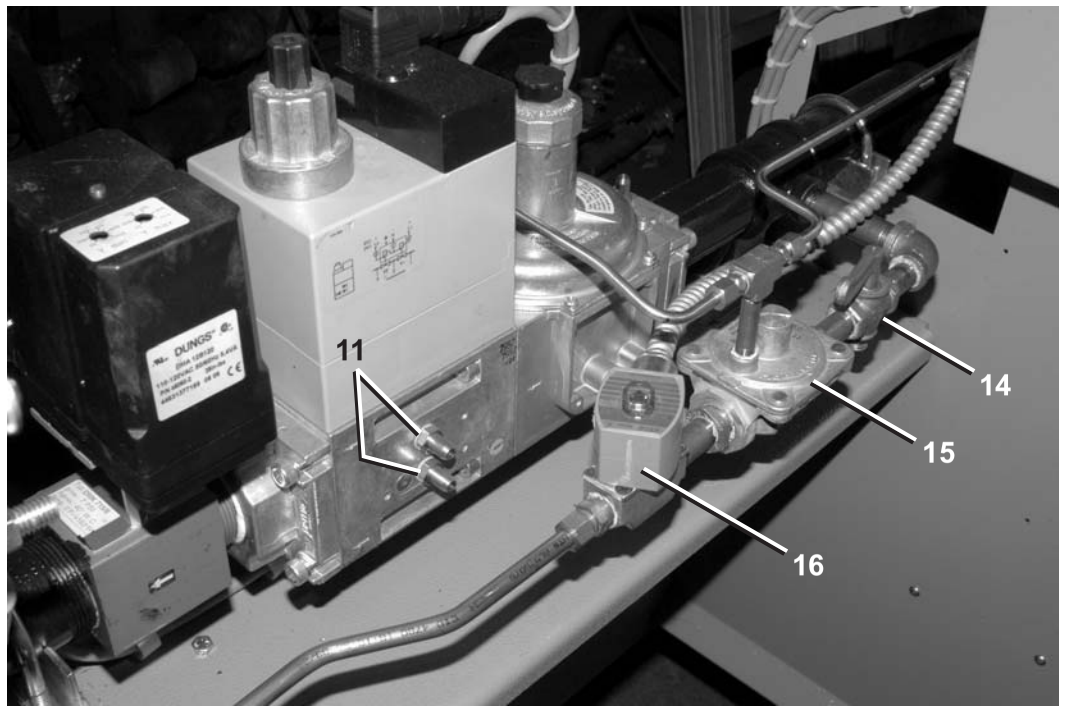








MAIN GAS INLET



PILOT LINE

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

Parts List—Natural Gas Schematic Europe

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,5050TG1L
	B	A74VG052A	5040 NAT 2V-NOVENT=CSA LEFT	5040TG2L,5050TG1R
----------	----------	----------	----------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
all	2	96SD010	FRI712 GAS PRESS/REG #D230475	
all	3	96SD011	FRI MOUNTING KIT #D219968	
all	4	96SD020	DMV-DLE 702/6 DUAL VALVE	
all	5	96SD003	1"NPT FLANGE ONLY #D222369	
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	96SD005A	DMK 710-/6 1"NPT BUTTERFLY 21M	
all	10	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
all	11	96SD008	G 1/8"TEST NIPPLE #D219008	
all	13	96G100C	1"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	

Gas Piping, CSA and Europe

5040TG2L/R, **5050TG1L/R**

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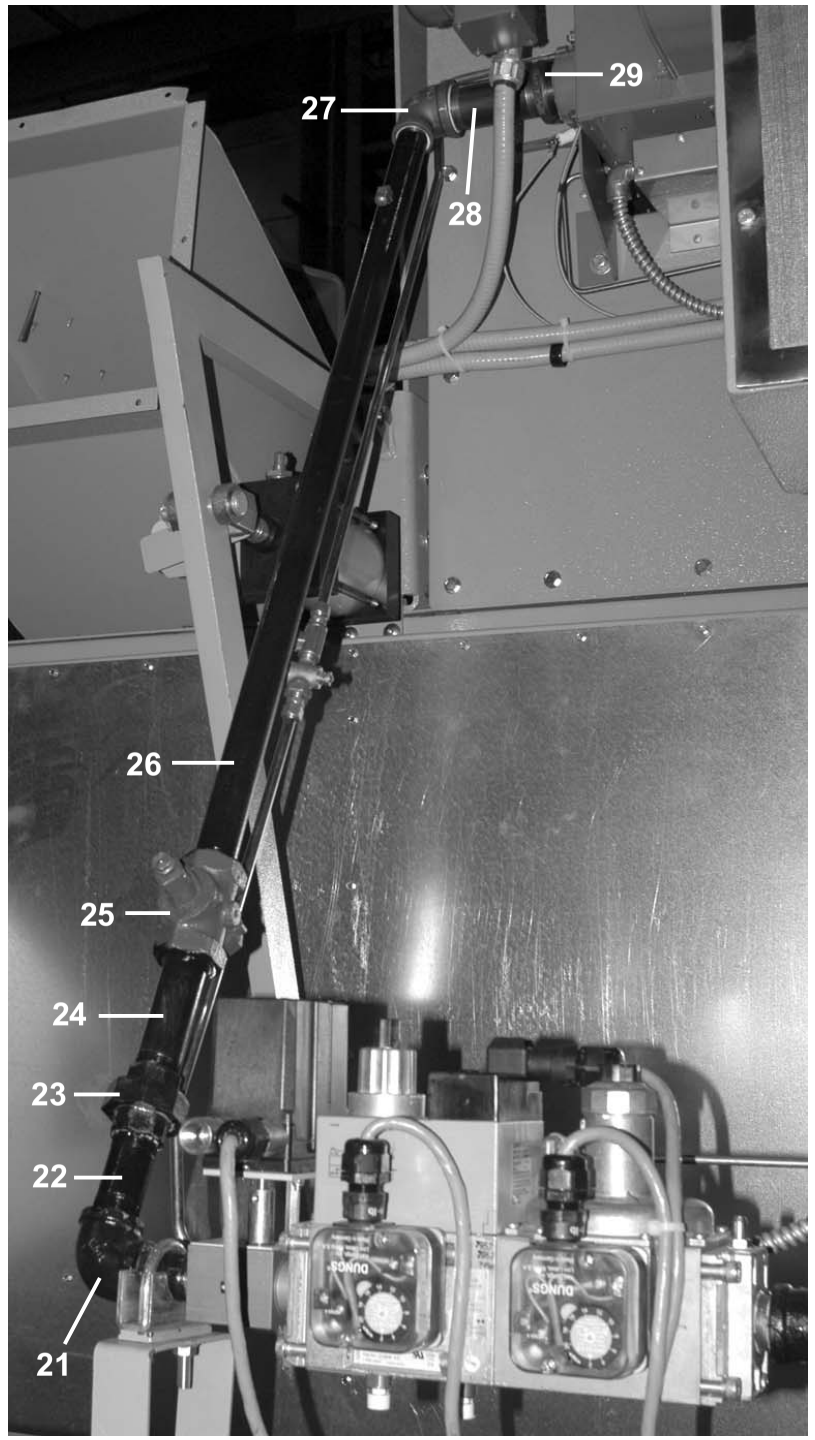
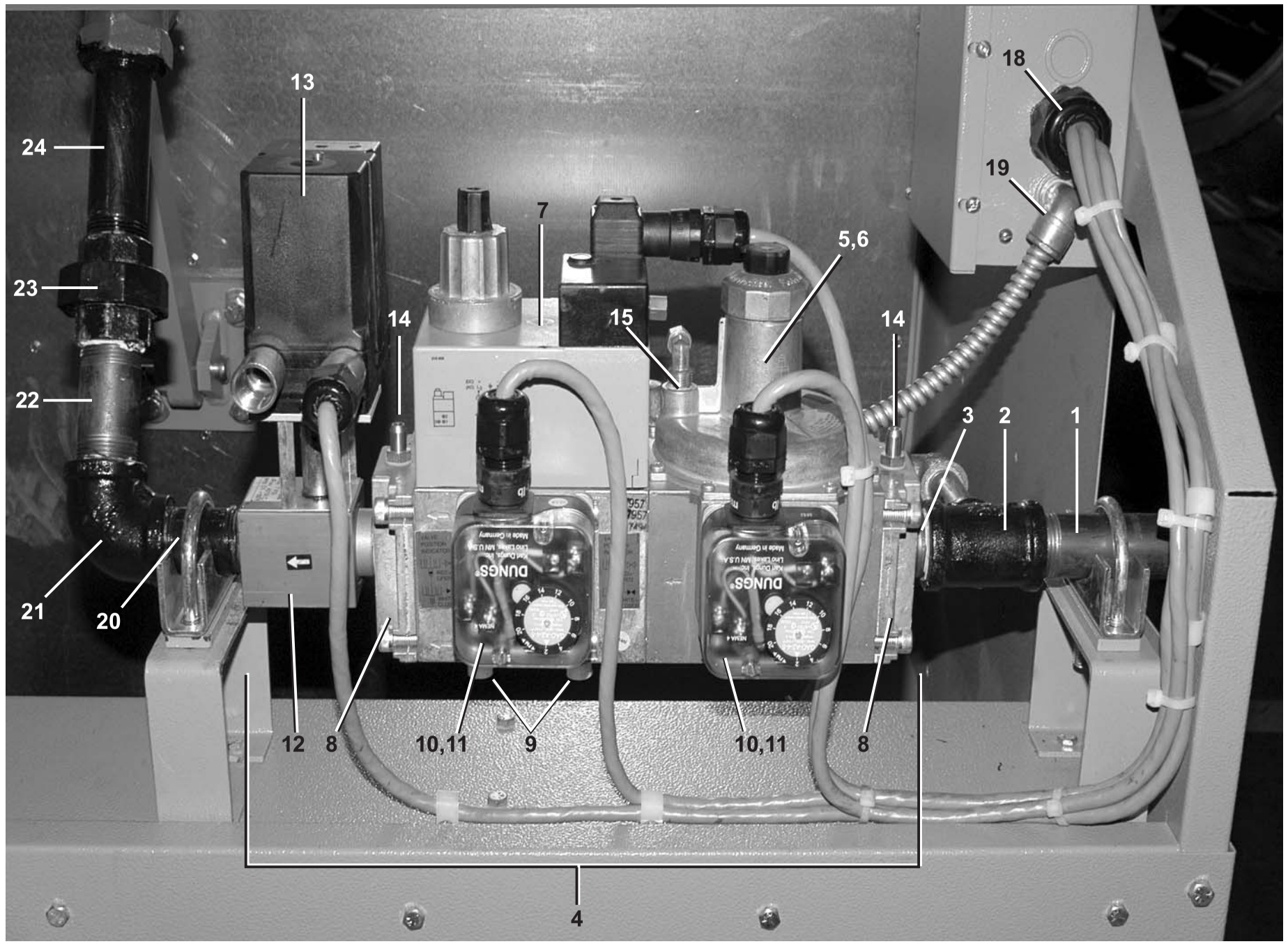


5040TG2R SHOWN



Gas Piping, CSA and Europe

5040TG2L/R**, 5050TG1L/R**

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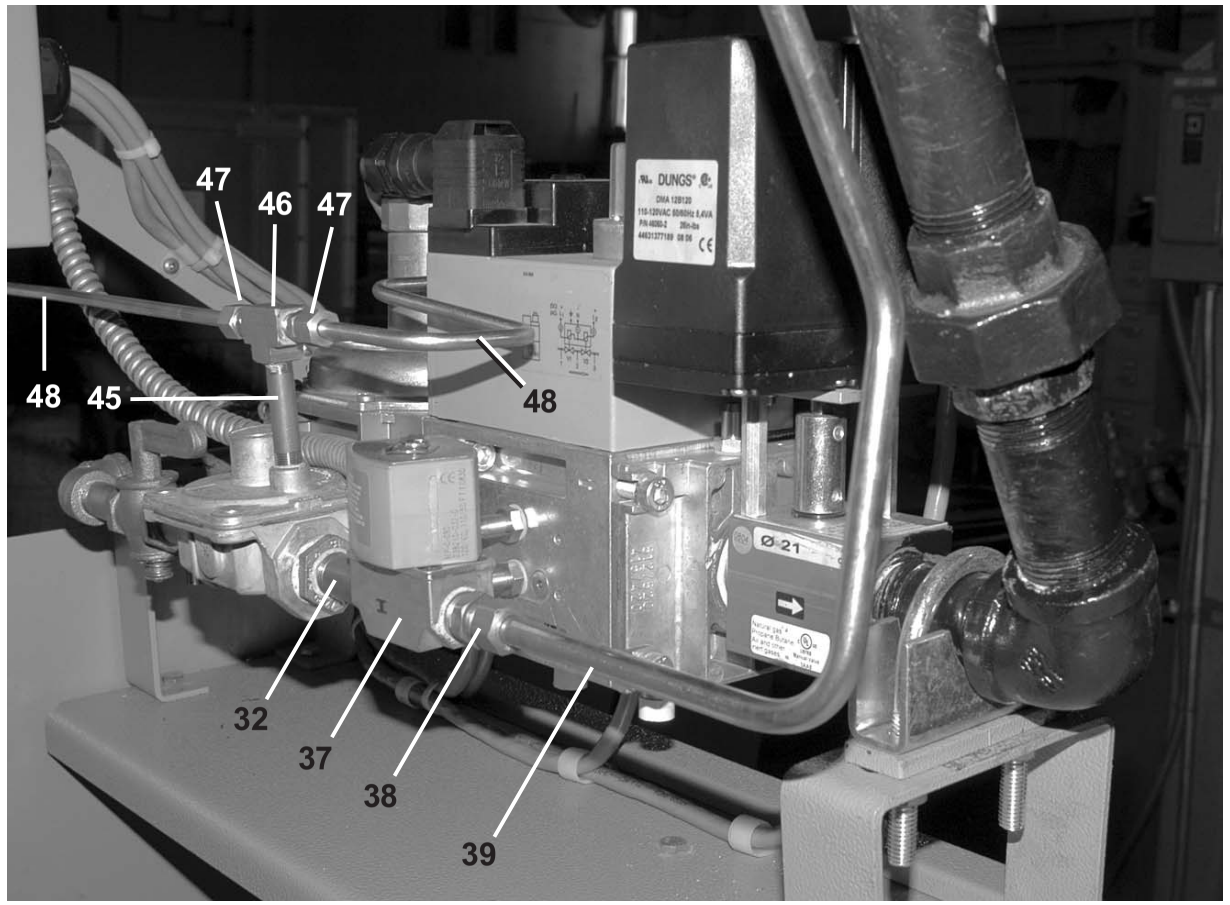

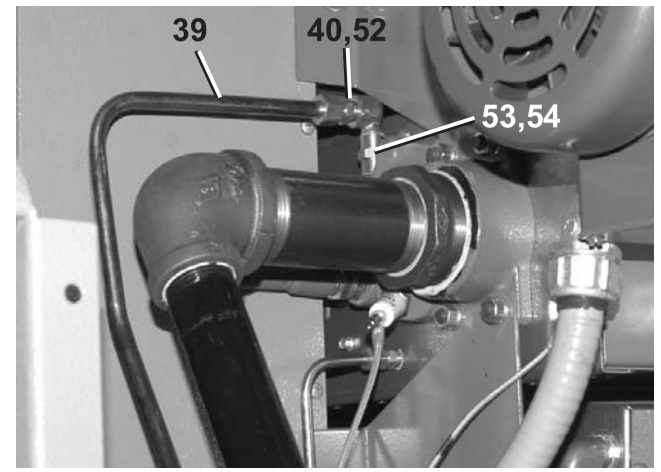

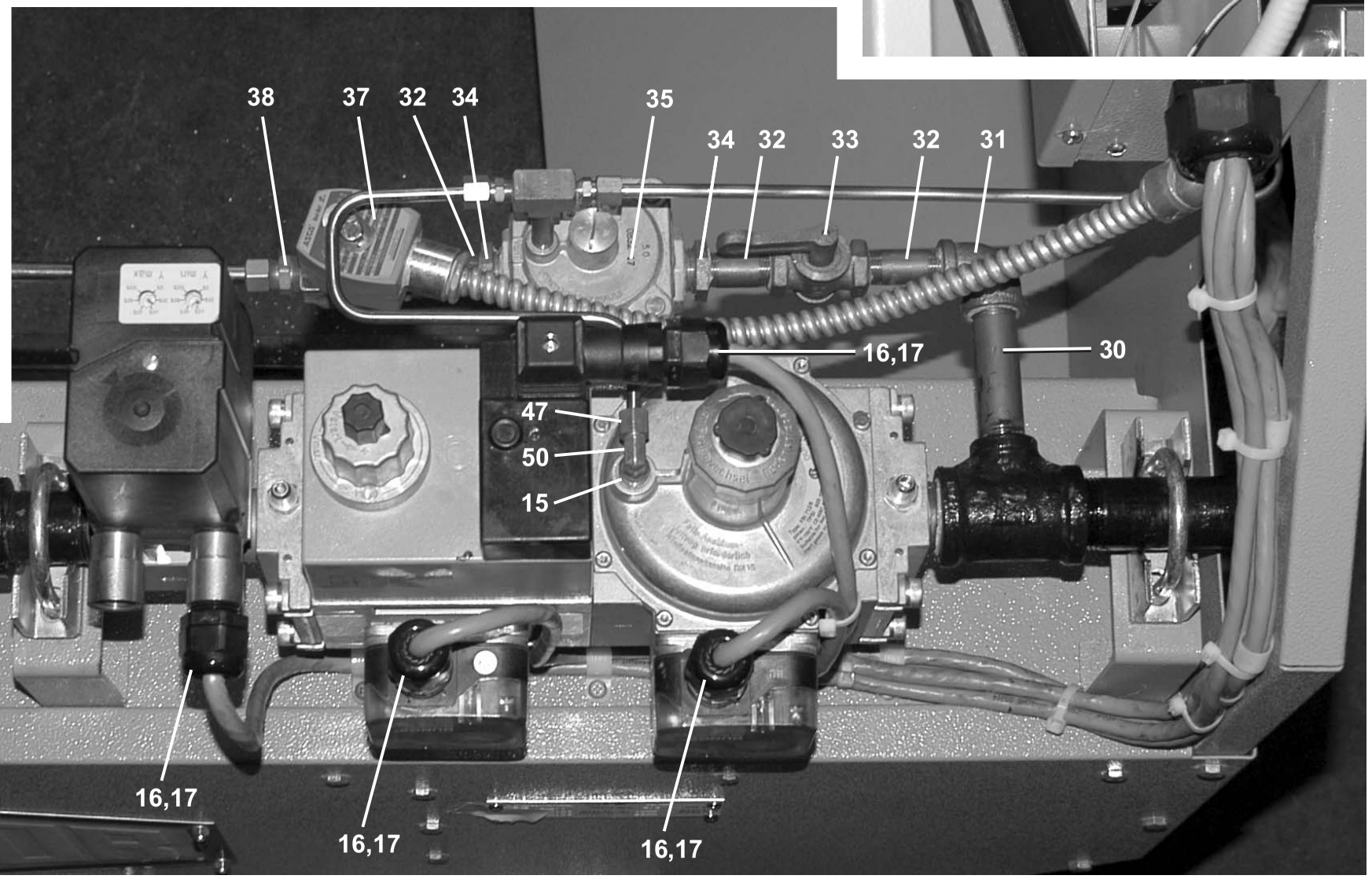

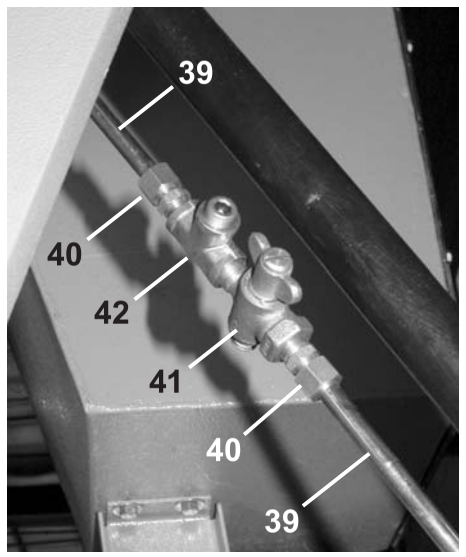

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Litho in U.S.A.

Parts List—Gas Piping, CSA and 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	A74VG015	5040 GAS TRN VERT SECT=CSA	5040TG2L/R, 5050TG1L/R
	B	A74VG011	5040 GAS TRAIN ENTRY SECTION	5040TG2L/R, 5050TG1L/R
	C	A74VG014	5040 2V NOVENT-CSA BLW RITE	5040TG2L/R, 5050TG1L/R
	D	A74VG014A	5040 2V NOVENT-CSA BLW LEFT	5040TG2L/R, 5050TG1L/R
	E	A74VG013	5040 PILOT GAS PIPE	5040TG2L/R, 5050TG1L/R
----------COMPONENTS----------				
all	1	5N1A07AF42	NPT NIPPLE 1X7 TBE BLKSTL S	
all	2	5S1AMFA0G	NPT TEE 1X1X3/8" BLKMAL 150#	
all	3	5N1ACLSF42	NPT NIP 1X CLS TBE BLKSTL SK40	
all	4	A74VG009	1.0" VALTRAIN 1MILBTU LT TO RT UL795/CSA	RIGHT
all	4	A74VG009A	1.0" VALTRAIN 1MILBTU RT TO LT UL795/CSA	LEFT
all	5	96SD010	FRI712 GAS PRESS/REG #D230475	
all	6	96SD011	FRI MOUNTING KIT #D219968	
all	7	96SD020	DMV-DLE 702/6 DUAL VALVE	
all	8	96SD003	1"NPT FLANGE ONLY #D222369	
all	9	96SD014	VISUALVAL POSINDIC #217-665	
all	10	96SD015	GAO-A2-4-5 HI&LO GASPRESSWITCH	
all	11	96SD016	MTGKIT FOR HI GAS PRESS SWITCH	
all	12	96SD005A	DMK 710-/6 1"NPT BUTTERFLY 21M	
all	13	96SD018	DMA 12B120 ACTUATR 12 SEC TIME	
all	14	96SD008	G 1/8"TEST NIPPLE #D219008	
all	15	51T311	FLAMEARREST VNTSCREEN.375BRASS	
all	16	12M043F050	LIQTITE 1/2" STR. FITTING	
all	17	09V290A	CABLE #18/4 SJTO 7/16"OD 250'	
all	18	12M043F100	LIQTITE 1" STR. FITTING	
all	19	12M036L	1/2" 90-DEG SHORT ELLS	
all	20	5N1A02KG41	NPT NIP 1X2.5 TOE GALSTL SK40	
all	21	5SL1AMFA	NPT ELBOW 90DEG 1" BLKMAL 150#	
all	22	5N1A03KF42	NPT NIP 1X3.5 TBE BLK STL SK40	
all	23	5SU1AMF	NPT UNION 1" BLKMAL 150#	
all	24	5N1A05AF42	NPT NIPPLE 1X5 TBE BLKSTL S	
all	25	96G100C	1"GAS STOP VAL NON LUBE - SMG SERIES 400	
all	26	5N1A38AF82	NPT NIP 1X38 TBE BLKSTL SK80	
all	27	5SL1KMFA1A	NPT ELB 90DEG 1.5X1 BLKMAL150#	
all	28	5N1K05AF42	NPT NIP 1.5X5 TBE BLKSTL SK40	
all	29	5SB2A1KCEO	NPTHEXBUSH 2X1.5 BLKCI 125#	
all	30	5N0K03KB42	NPT NIP 1/2X3.5 TBE BRASS STD	
all	31	5SL0KBEA0G	NPTELB 90DEG 1/2X3/8 BRASS 125	
all	32	5N0G02ABE2	NPT NIP 3/8X2 TBE BRASS STD	
all	33	96G030	3/8GAS STOP VAL W/CKLEVER HDL-CONBRACO # 51-107-01	
all	34	5SR0K0GBE	NPT RED 1/2X3/8 BRASS 125#	
all	35	96J507	1/2"INLET GASREG LEVER ACTING 7"W.C-MAXITRL	
all	37	96TCC2BA37	3/8" N/C 2WAY 120V50/60C VALVE	
all	38	53A026	BODYMALECON3/8X3/8 #68C-6-6B	
all	39	87Z010	TUBE 3/8"ODX.035" SS304 *20RM	
all	40	53A023	MALECON3/8X.25COMP ANCHR#68-64	
all	41	96G037AGA	1/4X1/4 GAS COCK VALVE W/T-HDL # 55-302-01	
all	42	51V015	TEE 1/4 FGDBRASS 101T7-444	
all	45	5N0C03ABE2	NPT NIP 1/8X3 TBE BRASS STD	
all	46	51V010A	TEE 1/8"BRSEXTR BLOCTYP#2203P2	
all	47	53A005B	BODYMALCON1/4X1/8COMP #B68A-4A	
all	48	87Z00EX035	TUBE=1/4"ODX.035WL 316LSS*20RM	
all	50	53A031XB	BODY-EL90MALE.25X25 #269C-4-4B	
all	52	5SL0EBEC	NPTELB 90DEG STRT 1/4 BRASS125	
all	53	5SCC0EBE	NPT COUP 1/4 BRASS 125# W/HEX	
all	54	5N0GCLSBE2	NPT NIP 3/8XCLS TBE BRASS STD	

Firebox, Burner & Combustion Air

5040TG**2**R, TG**2**L **5050**TG**1**R, TG**1**L

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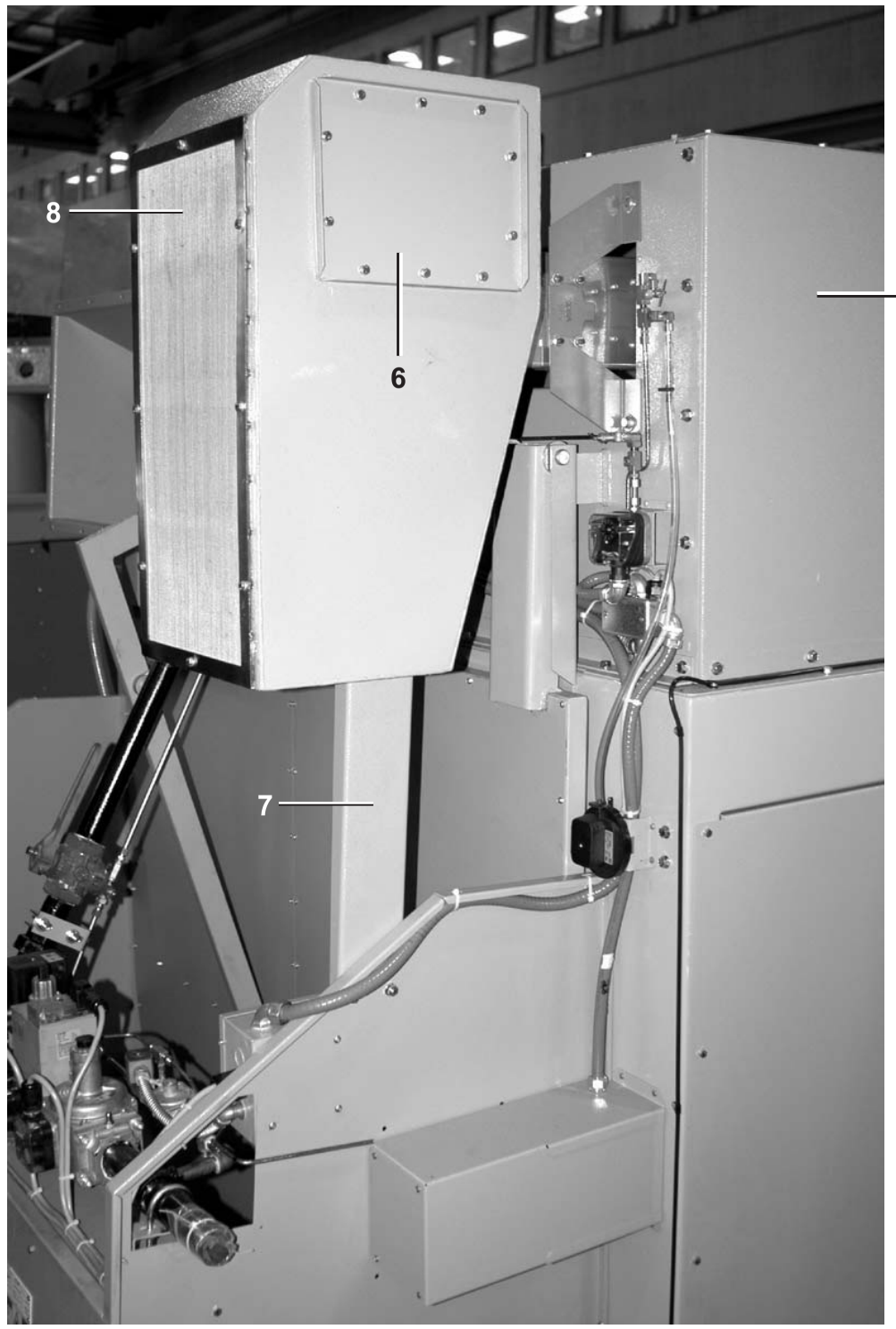

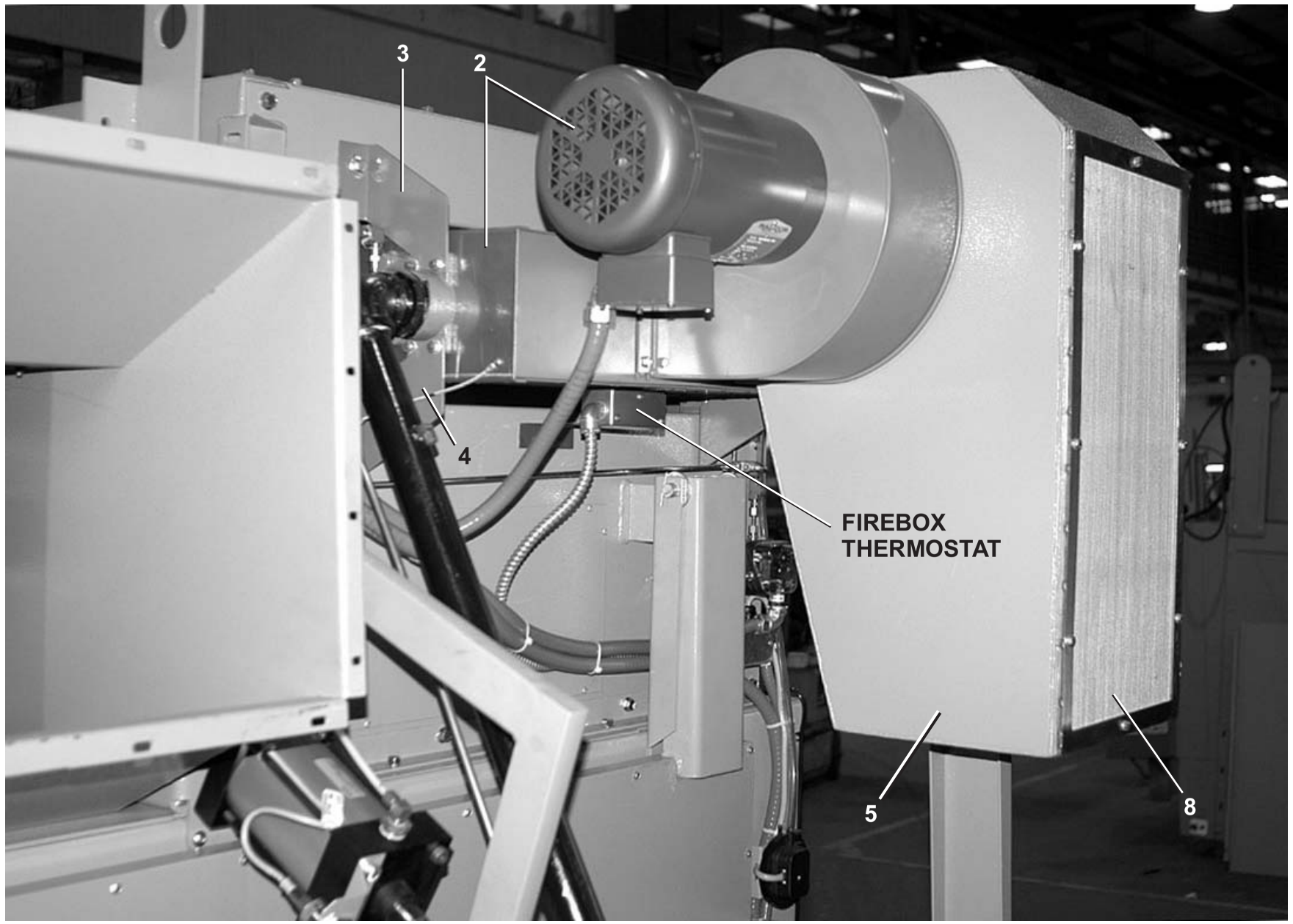

(6458 DRYER SHOWN, SEE PARTS LIST FOR 5040 DRYER PARTS)

Firebox, Burner & Combustion Air

5040TG**2**R, TG**2**L **5050**TG**1**R, TG**1**L

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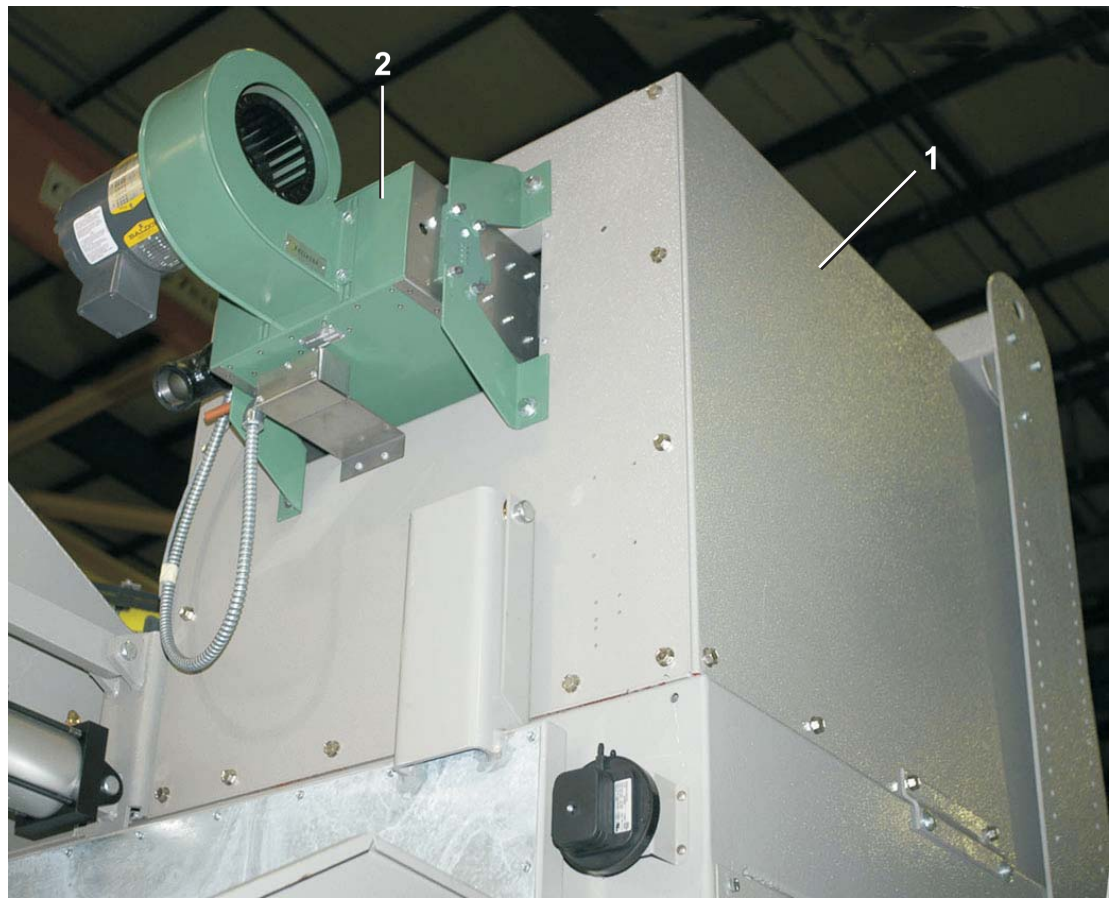

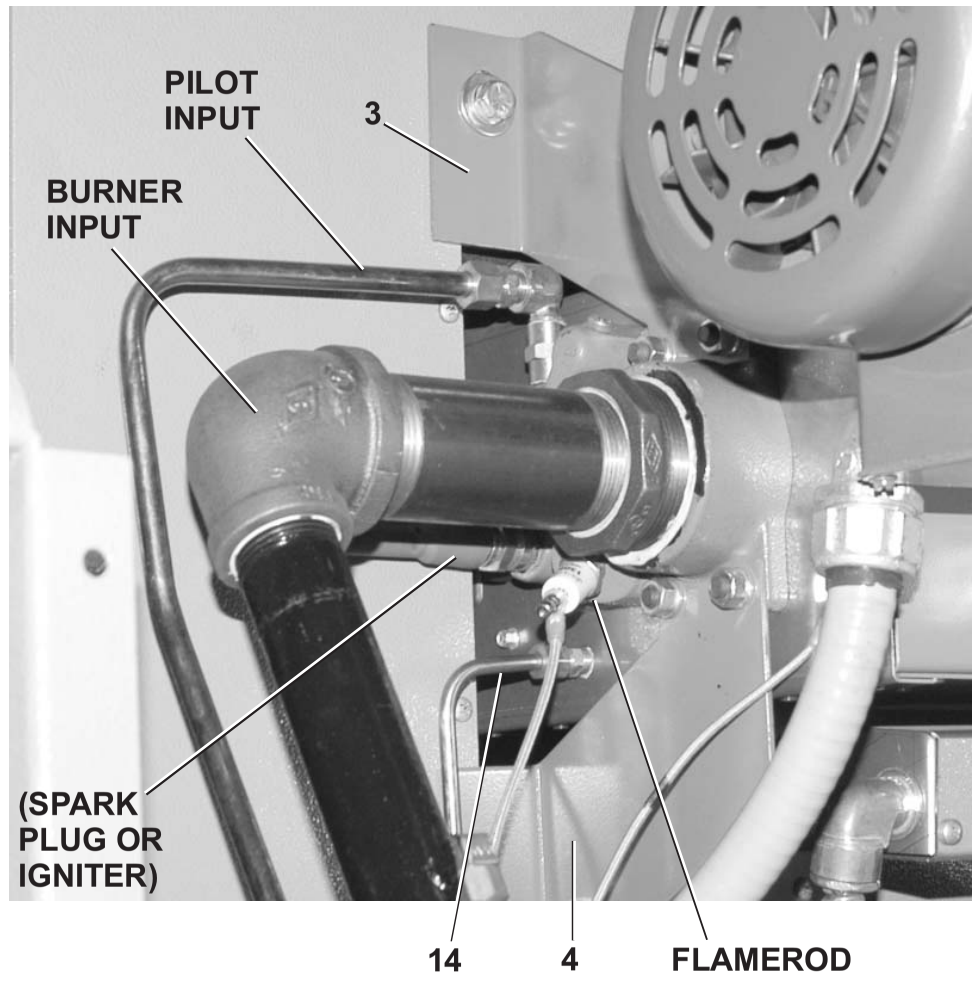

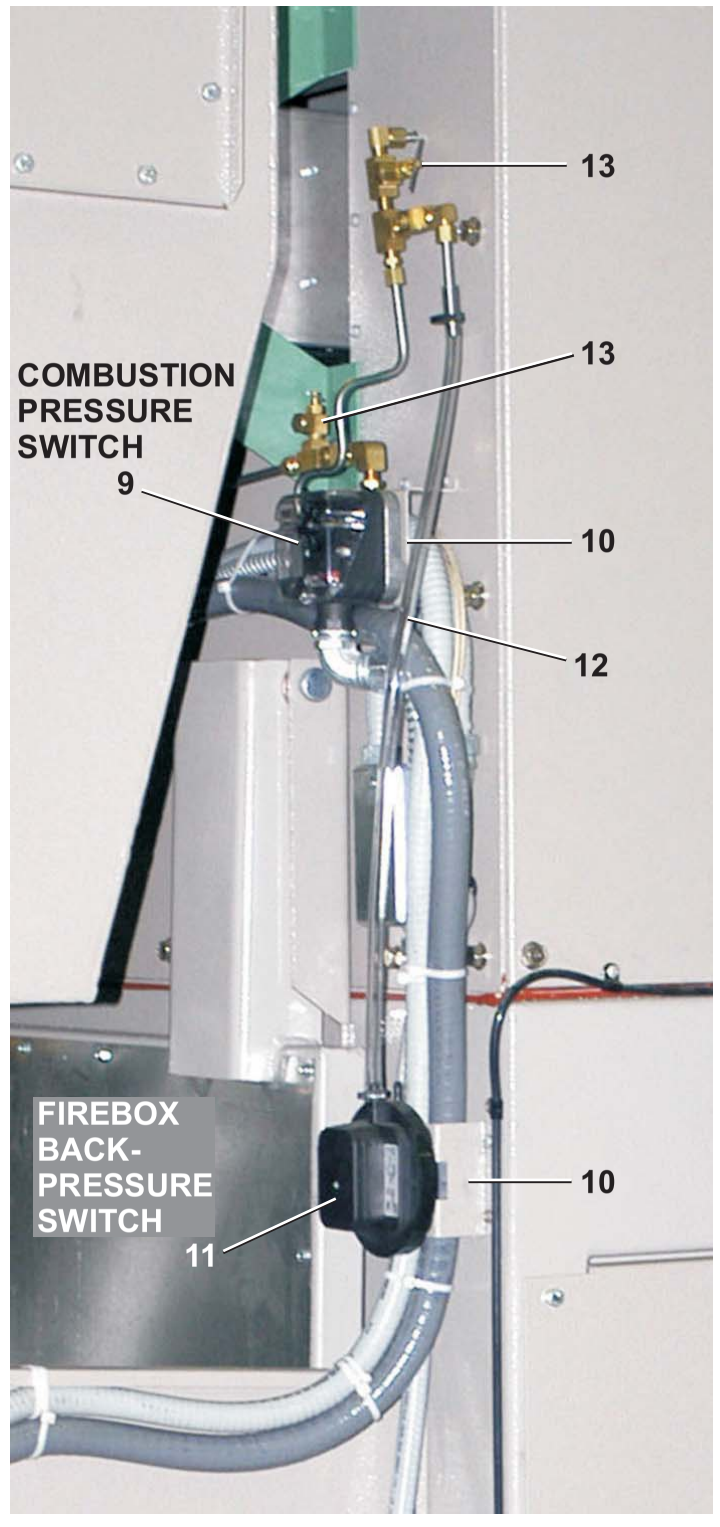

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Parts List—Firebox, Burner, Combustion Air

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	A74FB005	5040 BURNER ASSEMBLY	5040TG2L/R 5050TG1L/R
	B	A74CP001	5040 COMB. PRES. SW. ASSY	5040TG2L/R 5050TG1L/R
			----------COMPONENTS----------	
all	1	A74FB004	5040 FIREBOX ASSEMBLY	BLOWER LEFT
all	1	A74FB004A	5040 FIREBOX ASSY RIGHT	BLOWER RIGHT
all	2	25AB241	BURNER/BLOWERWHEEL MODEL 80AH	
all	3	07 71067	6458 BURNER SUPP BKT TOP LF	
all	4	07 71067A	6458 BURNER SUPP BKT TOP LF	
all	5	A74FB006	5040 FIREBOX FILTER BOX L	BLOWER LEFT
all	5	A74FB006A	5040 FIREBOX FILTER BOX R	BLOWER RIGHT
all	6	07 71014	COVER=CLEAN OUT 6458COMB AIR	
all	7	07 71015	COMB AIR MOUNT	BLOWER LEFT
all	7	07 44164	5040 COMB AIR MNT RIGHT	BLOWER RIGHT
all	8	W7 71035	WLMT=6458 COMB AIR SCREEN	
	9	09N19106B	GAS PRESS SW RANGE .2-2.4"WC	U.S.
	9	09N19106C	GAS PRESS SW RANGE .2-2.4"WC=CE	CE (EUROPE)
all	10	03 BL3X4	PRESSURE SWITCH BRACKET 6458	
	11	09N19111	AIR PRESSW RANGE .08-.4	U.S.
	11	09N19111A	AIR PRESSW RANGE .08-.4 CE	CE (EUROPE)
all	12	60E005D	TUBING 1/4"IDX7/16"OD EXCELLON	
all	13	96H018	ANGLE NEEDLE VLV 1/4"T X 1/8MP	
all	14	87Z00EX035	TUBE=1/4"ODX.035WL 316LSS*20RM	

Steam Assemblies 8

Steam Coil & Installation

5040TS**2L, 5040TS2R**

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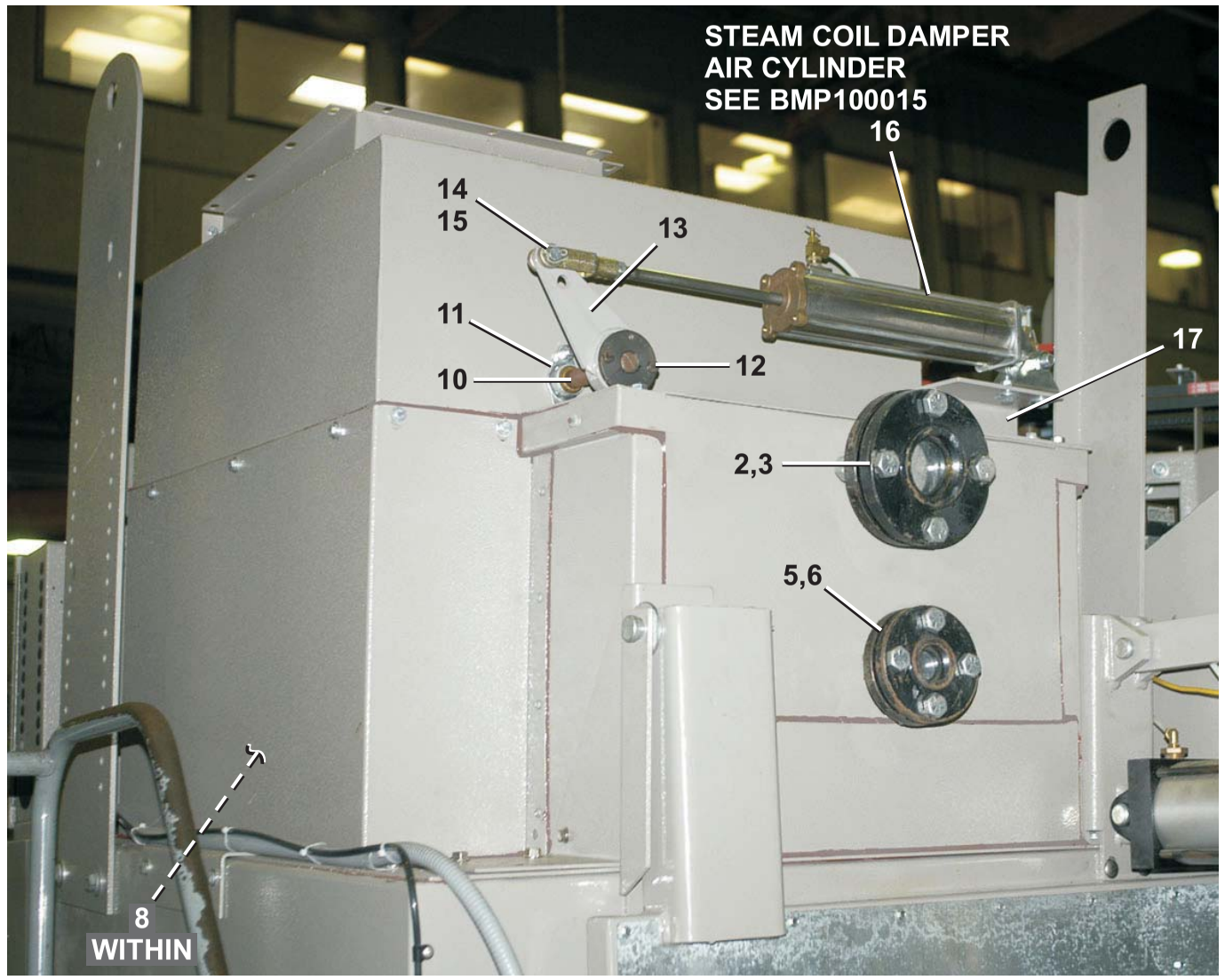

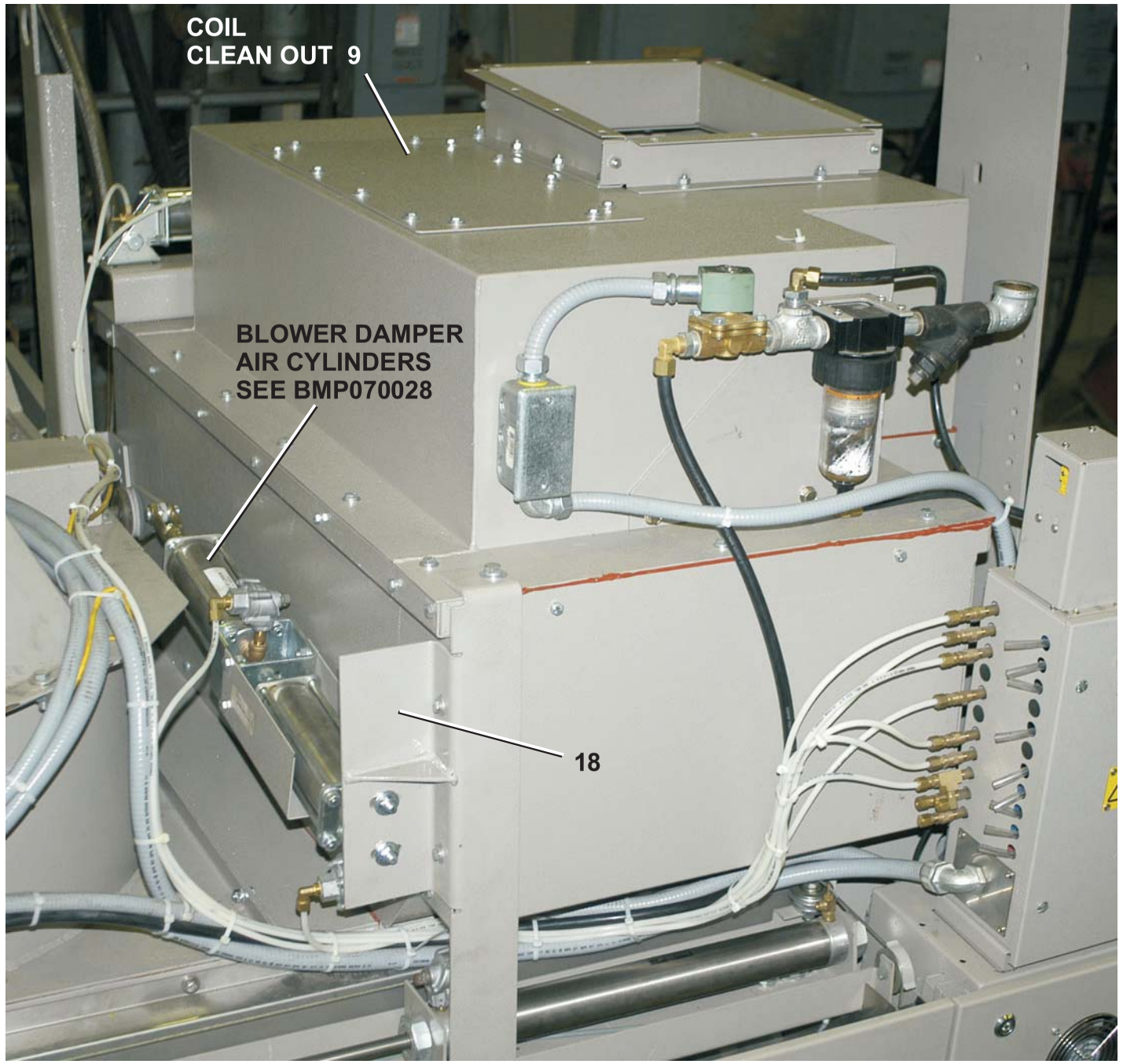

Steam Coil & Installation

5040TS**2L, 5040TS2R**

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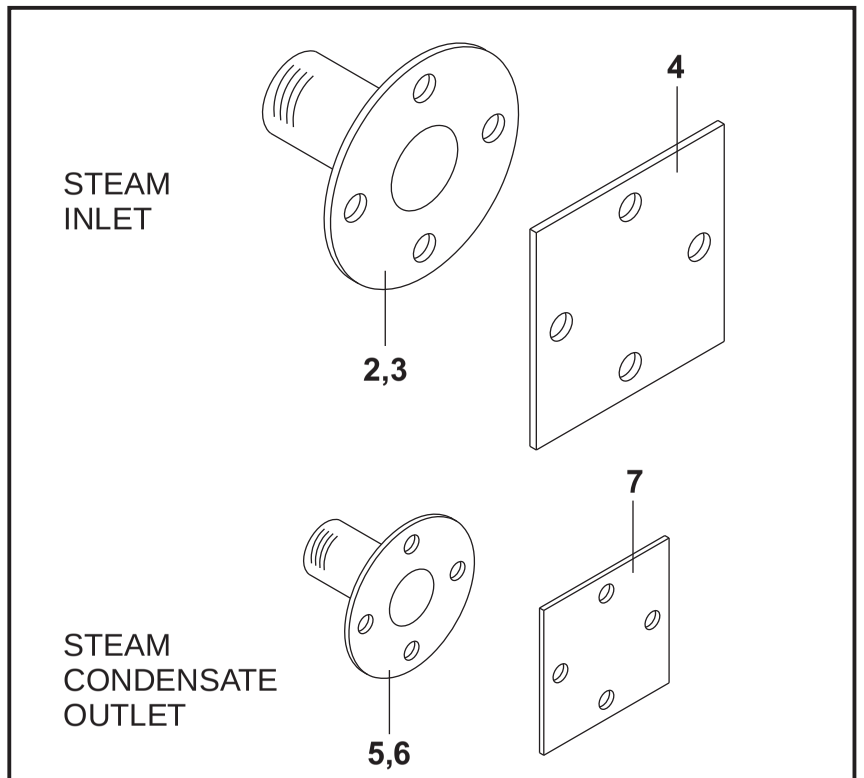
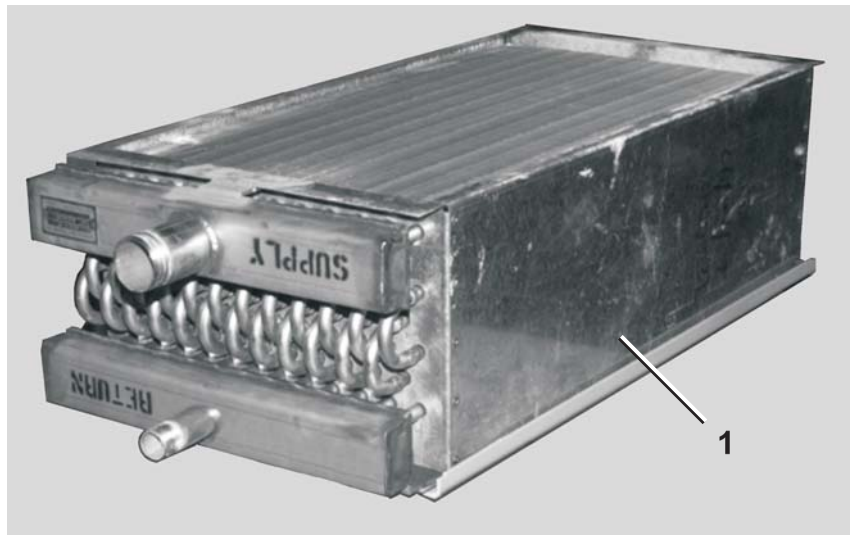
P. O. Box 400, Kenner, LA 70063-0400

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.



Parts List—Steam Coil & 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	A74SB001	5040 STEAMBOX ASSY LEFT	5040TS2L
	B	A74SB001A	5040 STEAMBOX ASSY RIGHT	5040TS2R
			----------COMPONENTS----------	
All	1	27HS1936C	STEAMCOIL 19.5X34.5 .049 CARBN	
all	2	51KE2ANA	NPTFLANGE 2"CS 150#RAISED FACE	
all	3	51KE2ANGAK	2X6 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	98P030	INSUL.FIBRGLS.24X48X1+1/2E=1SH	
all	9	07 44198F	5040 STEAMBOX ACCESS COVER	
A	10	W7 44200	5040 STEAMBOX DAMPER LF	
B	10	W7 44200A	5040 STEAMBOX DAMPER RT	
all	11	54E015	FLGMTBRG 3/4 BORE BRZ #FLB12	
all	12	56Q0PH	3/4" BUSH VPUL TYPE H,D, OR QT	
all	13	W7 71098	6458 BLOWER DAMPER ARM WELD	
all	14	17A040	CLEVIS PIN 1/2"X1+3/8" DRILLED	
all	15	15H051	STDCOTTERPIN 1/8X1+1/2ZINCPL	
all	16	A40 01800	* AIRCYL,2-WAY =52DRYELL	
A	17	07 44211	5040 STEAMBOX AIRCYL BRKT LF	
B	17	07 44211A	5040 STEAMBOX AIRCYL BRKT RT	
A	18	W7 44220	5040 STEAM MAIN AIR SUPPORT LF	
B	18	W7 44220A	5040 STEAM MAIN AIR SUPPORT RT	

Steam Coil Damper Air Cylinder**,** 2-Way

5040TS**2L/R, 5050TS1L/R**

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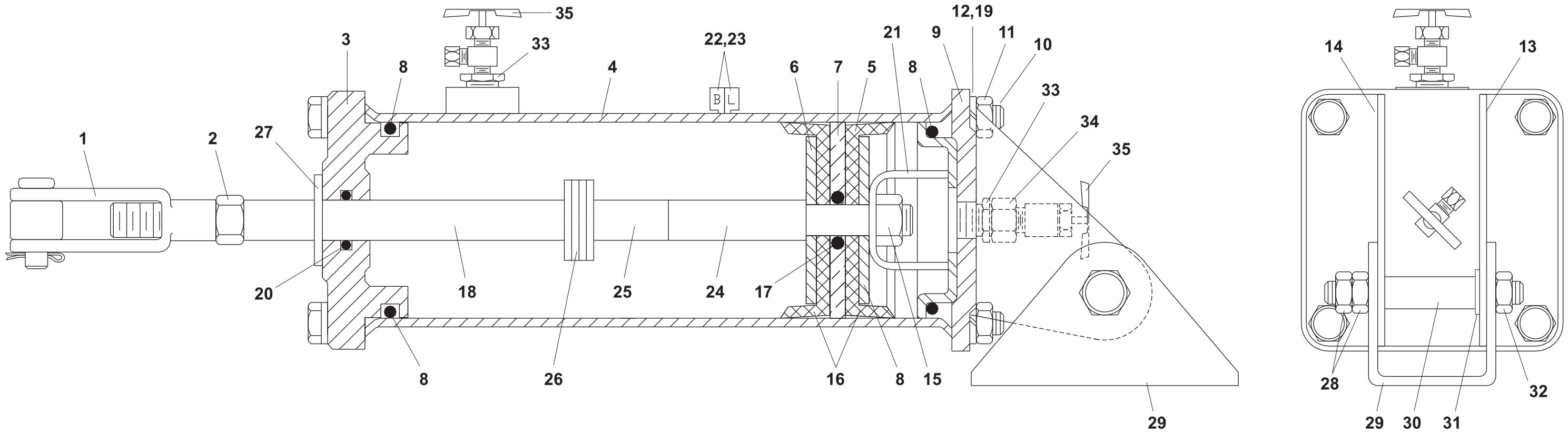
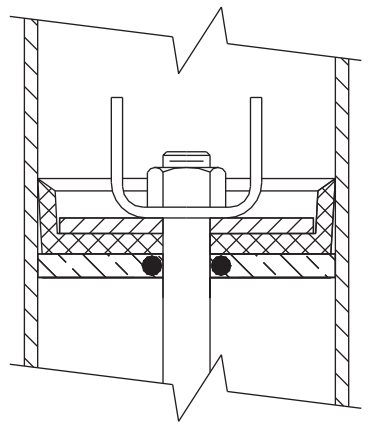
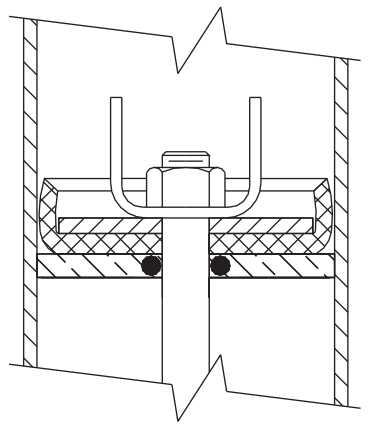


PISTON CUP WASHER INSTALLATION:

WHEN INSTALLING PISTON CUPS TIGHTEN NUT UNTIL IT IS JUST BARELY POSSIBLE TO TURN THE PISTON CUP AND WASHER ASSEMBLY, AFTER TIGHTENNG PISTON CUP SHOULD APPEAR AS SHOWN IN DETAIL “A”.



DETAIL “A”



DETAIL “B”

TIGHTENING THE NUT TOO TIGHT CAUSES THE PISTON CUP TO EXTRUDE TO THE SHAPE SHOWN IN DETAIL “B” AND MAY CAUSE PISTON TO BIND IN CYLINDER.

NOTE: NUT IS SELF-LOCKING AND DOES NOT NEED TO BE DRAWN TIGHT TO LOCK ON AIR CYLINDER.

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

Litho in U.S.A.

Parts List—Air Cylinder 2-Way

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	A40 01800	* AIRCYL,2-WAY =52DRYELL	5040TS2L/R 5050TS1L/R
----------COMPONENTS----------				
all	1	17A020	ADJ CLEVIS MACHINED ½-13 ZIN	
all	2	15G231	HXFINJAMNUT 1/2-13UNC2B ZINC G	
all	3	02 18660	CYLHEAD BRASS-DRILL AND TAP	
all	4	W3 06315A	* AIRCYL=52 DRYELL	
all	5	02 02194	PISTON CUP=DUMPVALVE 2+3/8"	
all	6	02 02085	UP WASHER=2"OD=PISTON CUP	
all	7	02 02105B	2.38"ACYL BRASS PISTONCUP WSHR	
all	8	60C132	ORING 2"IDX3/16CS BUNA70 #329	
all	9	02 02101	CYLHEAD W/TAPPED HOLE	
all	10	03 06314	TIEROD=AIR-CYL ACTUATOR-ZINC	
all	11	15G185	HXNUT 5/16-18UNC2B SAE ZINC GR	
all	12	15U210	LOKWASHER MEDIUM 5/16 ZINCPL	
all	13	02 02550	BRKT=AIRCYL-RIGHT ZINC/CAD	
all	14	02 02547	BRKT=AIRCYL-LFT ZINC/CAD	
all	15	15G220	NUTLOK THINHX 3/8-24 SS/NYL	
all	16	02 02185	WASHER=PISTON CUP COMP LIMIT	
all	17	60C106	ORING 5/16ID 1/16CSBUNA70#011	
all	18	03 06313	STEM=AIR CYL 304SS	
all	19	15U185	FLATWASHER(USS STD) 1/4" ZNC P	
all	20	60C110	ORING 1/2IDX3/32CS BUNA70 #112	
all	21	03 01313	STOP=AIR CYL W/2+11/16STROKE	
all	22	20L601B	ID TAG NAT'L#1614 ALUM EMB "B"	
all	23	20L601U	ID TAG NAT'L#1614 ALUM EMB "U"	
all	24	27B250	SPCRROLL.5ID1.5L.062T STLZNC	
all	25	27B240	SPCRROLL.5ID.813L.062T STLZNC	
all	26	15U243	FLTWASHER 7/8ODX33/64IDX16GA Z	
all	27	17B012	EXTRETRING IND#1000-50-ST-ZD Z	
all	28	15G235F	HXFNJAMNUT 9/16-12UNC2B ZINC G	
all	29	02 02556	SUPPORT=AIRCYL 12GA ZINC PLT	
all	30	27B2750L0T	SPC RROLL.562ID.937L.048T ZNK	
all	31	15U311A	FLTWASHER9/16 ASME/B18.22.1TYP	
all	32	15K206	HEXCAPSCR 9/16-12X2.5 ZC GR5	
all	33	5SB0E0CBEO	NPTHEXBUSH 1/4X1/8 BRASS 125#	
all	34	51A001	ADAPTER 1/8 PT BRASS	
all	35	96H018	ANGLE NEEDLE VLV 1/4"T X 1/8MP	

Water Assemblies 9

Sprinkler Assembly

All Dryers

Pellerin Milnor Corporation
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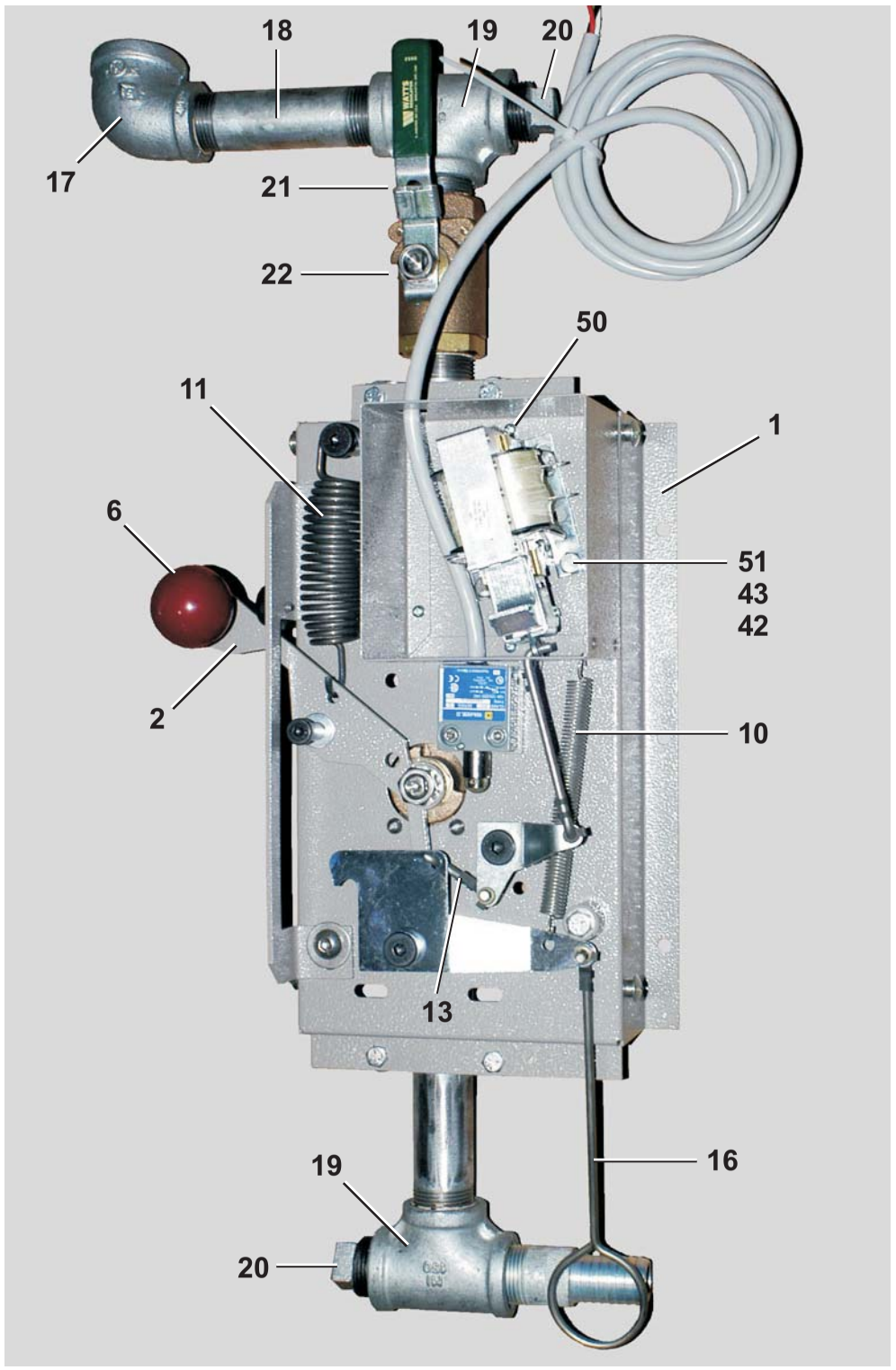
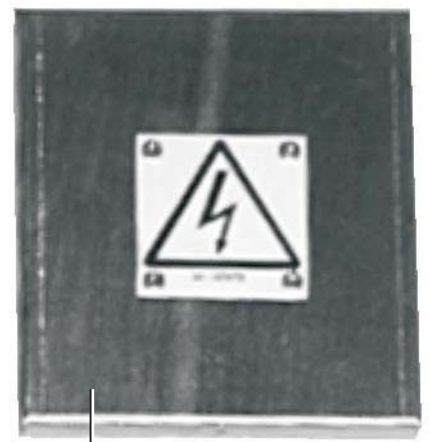
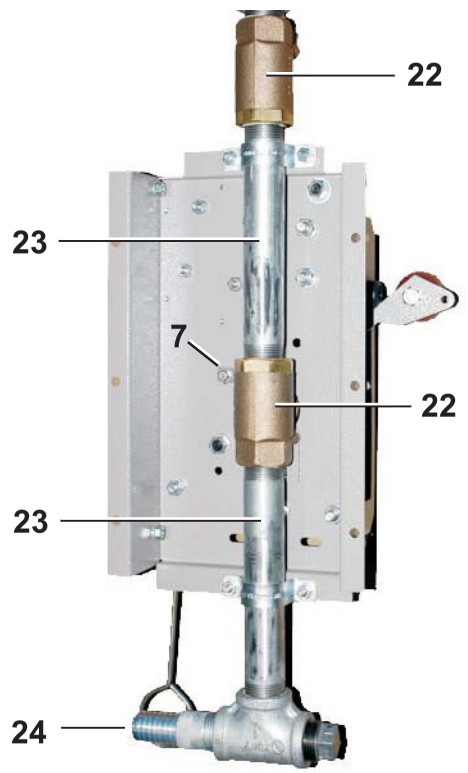
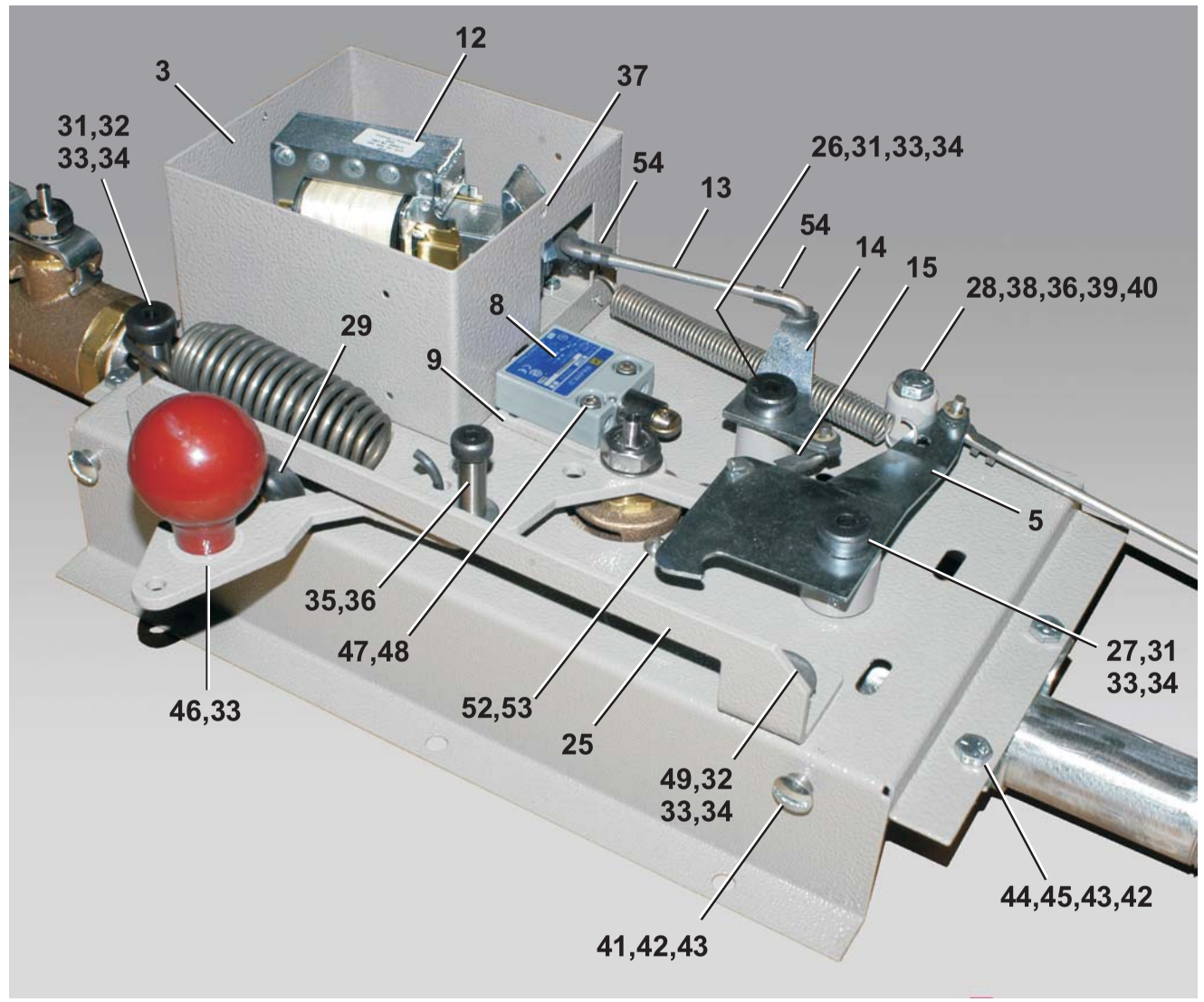
Litho in U.S.A.









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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

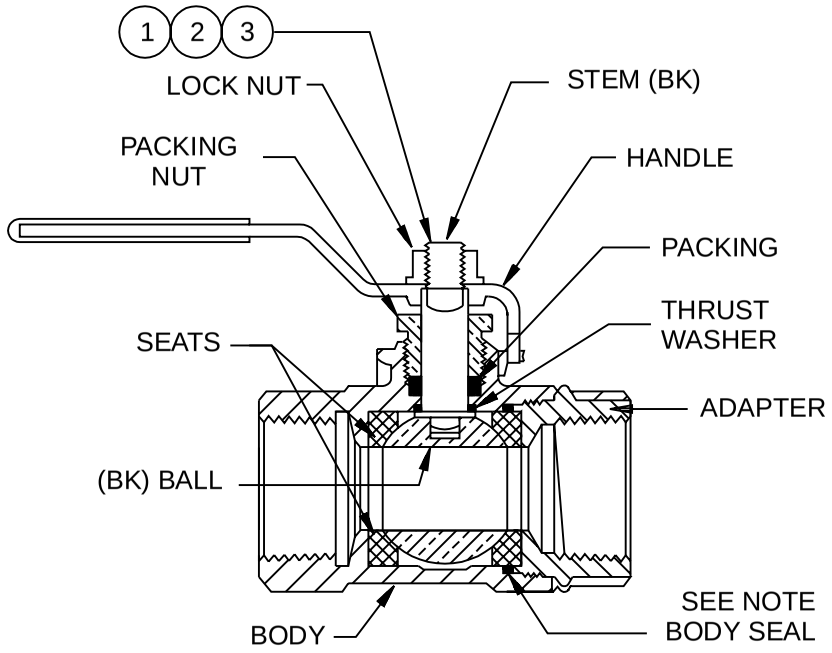
Used In	Item	Part Number	Description	Comments
all	29	60C001	RUBBER BUMPER-BLKW/WASHER #698	
all	31	15C061	HXSOKSTRIPBLT 1/2X1X3/8-16	
all	32	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	33	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	34	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	35	15C048	HXSOKSTRIPBLT 3/8X1X5/16-18	
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	

.

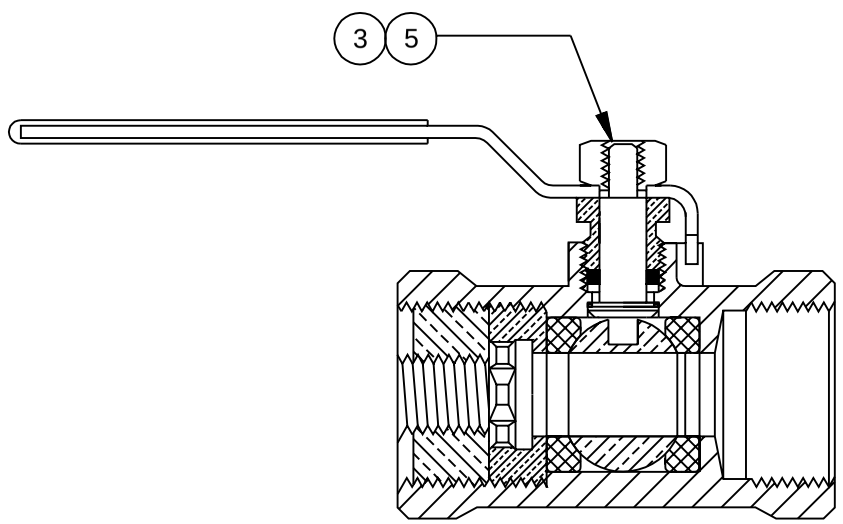
Watts Ball Valves and Repair Kits

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

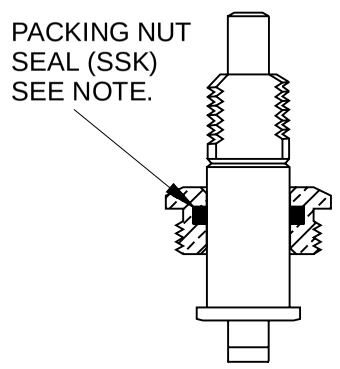
BALL VALVES WITHOUT ACTUATOR PADS FOR MANUAL OPERATION



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

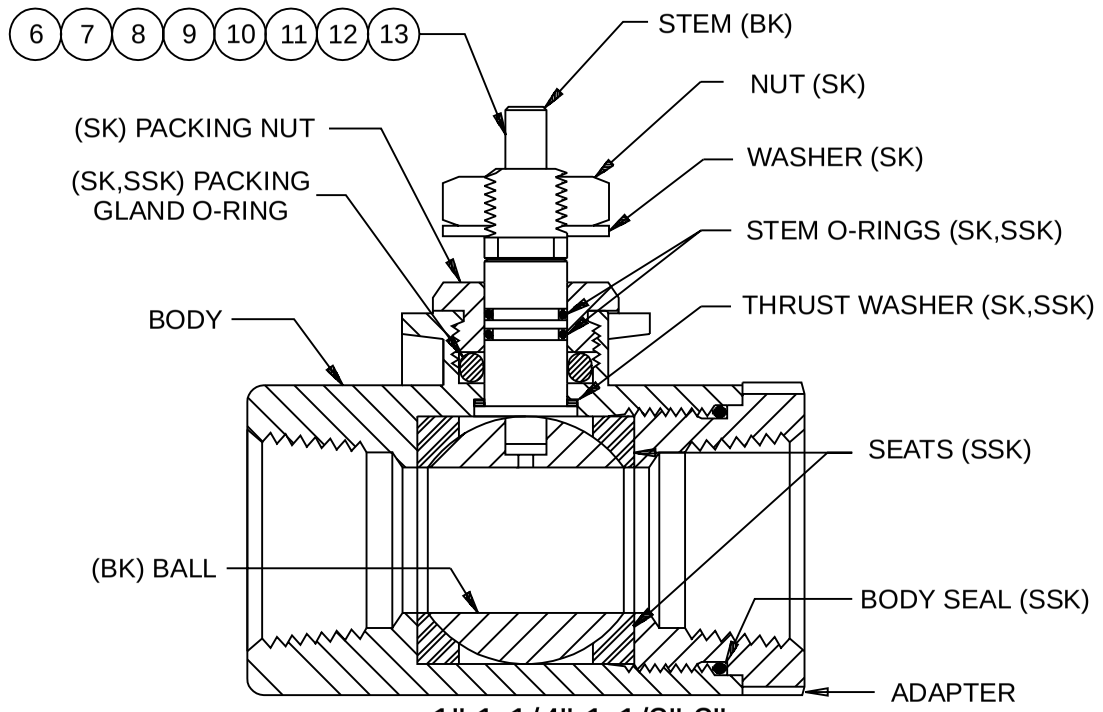


3/4",1"
BRONZE
NO REPAIR KITS



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.

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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	

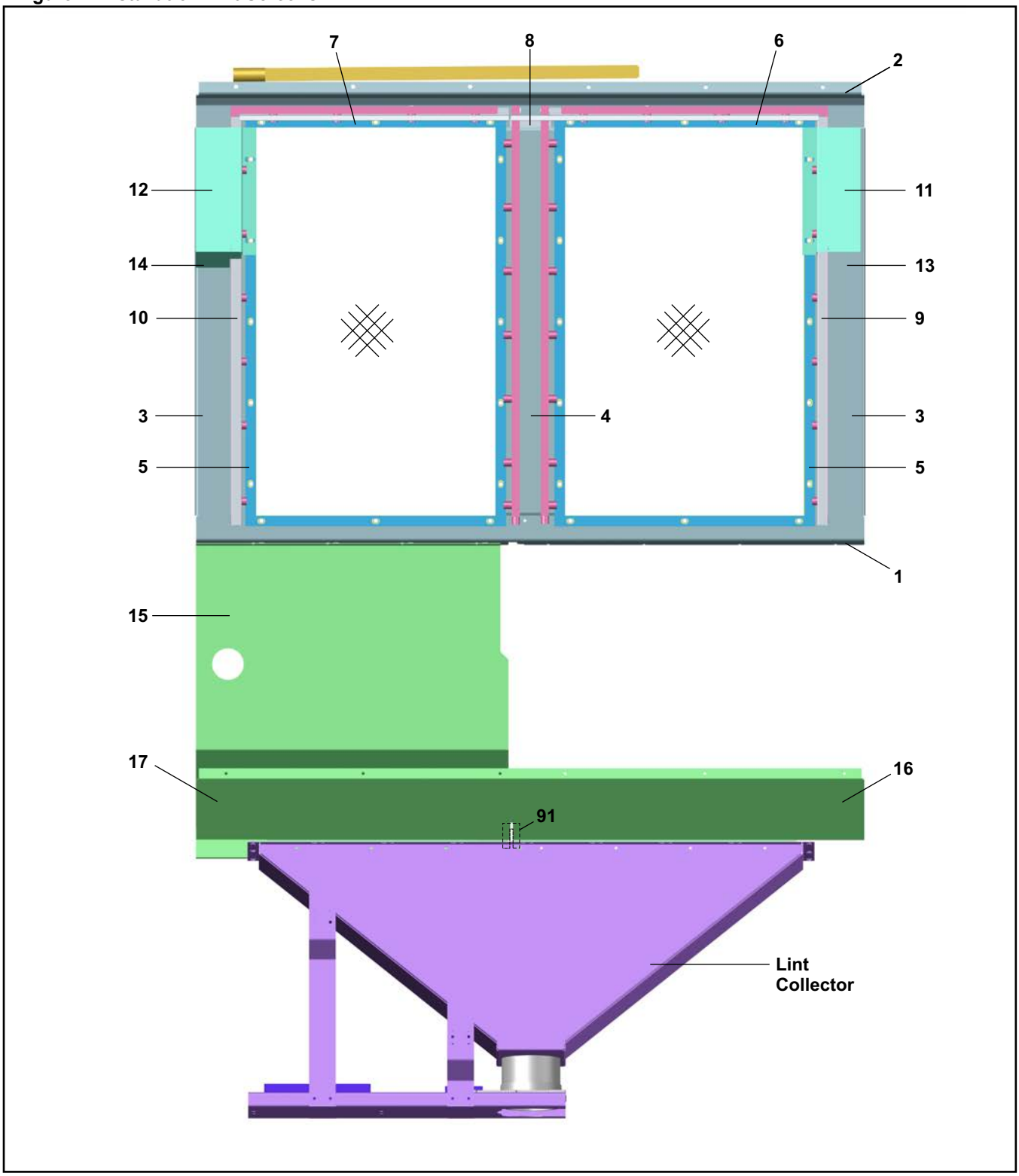
Pneumatic Assemblies

10

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

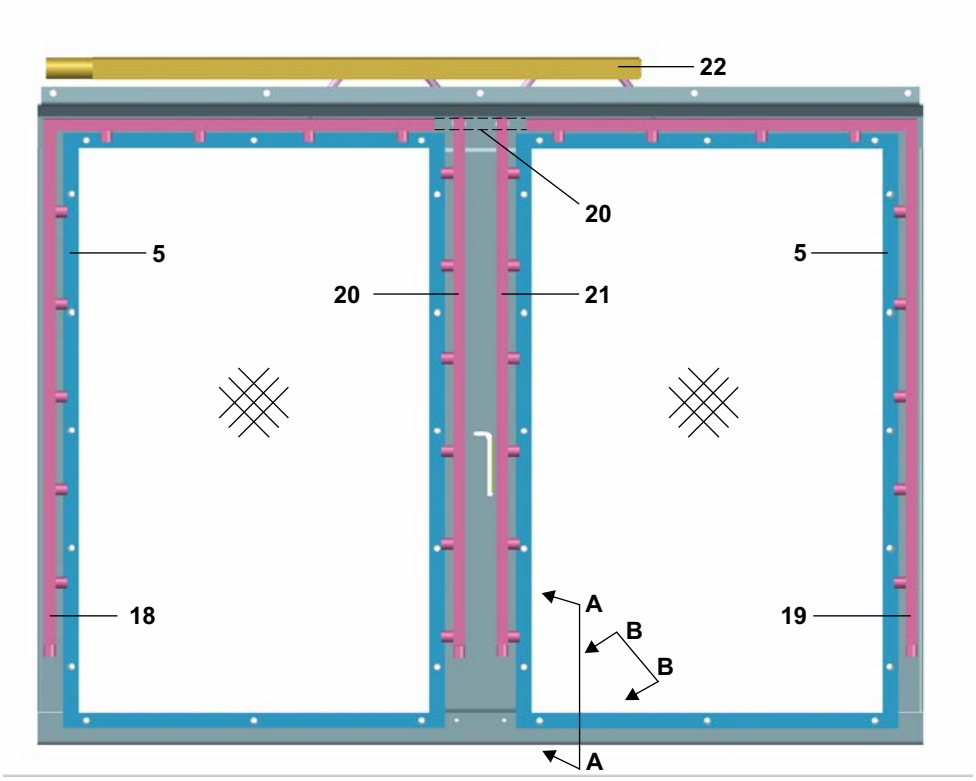
Figure 1: Installation Lint Screens

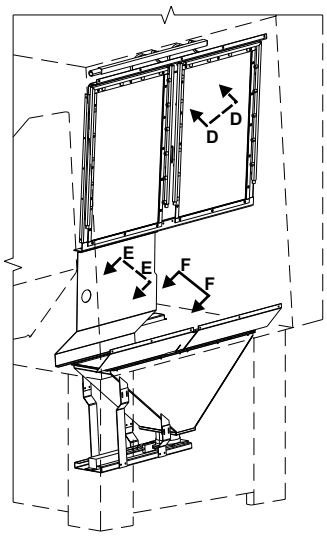


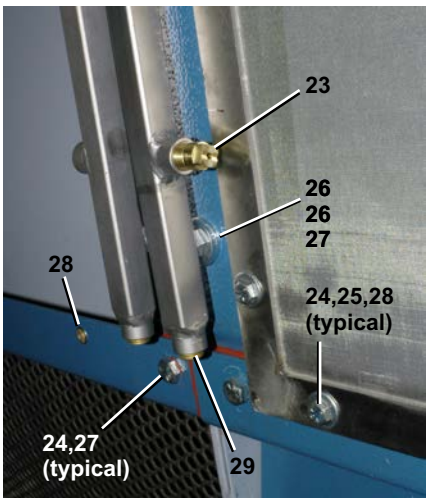
Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

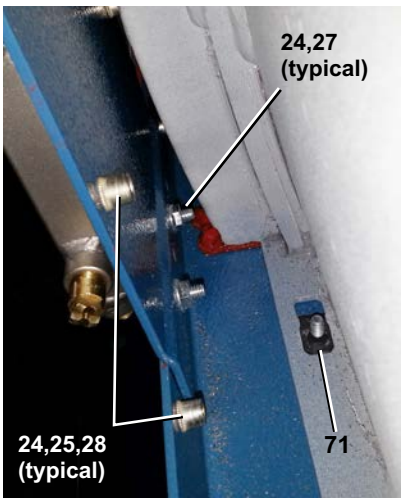
Figure 2: Air Nozzles, Hardware







View A-A: Typical hardware

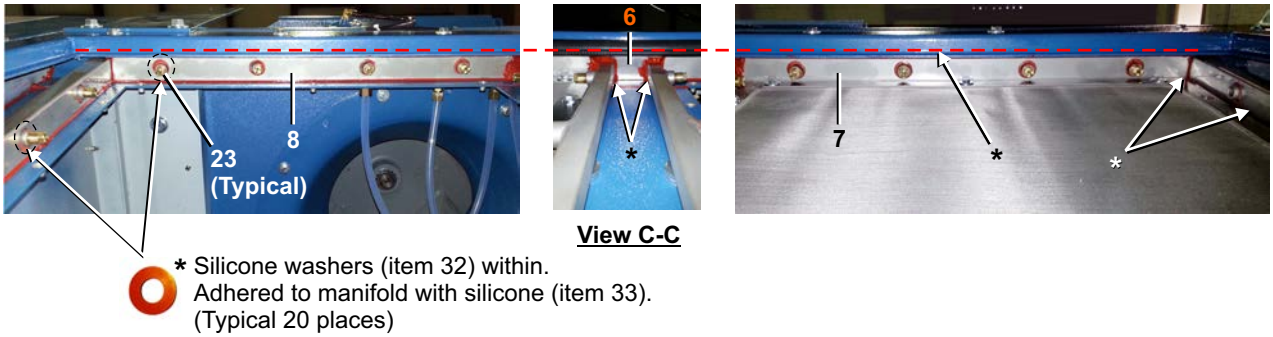


View B-B: Inside view

Internal Lint Screens

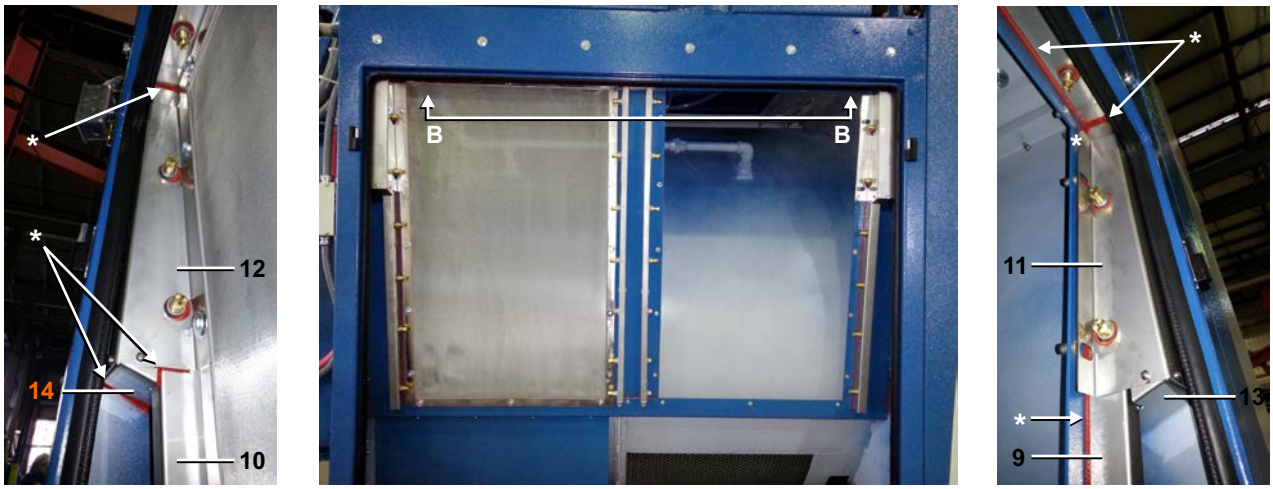
50040, 64058, 64064, 72072, 76076, 82082 Dryers

Figure 3: Silicone Sealing

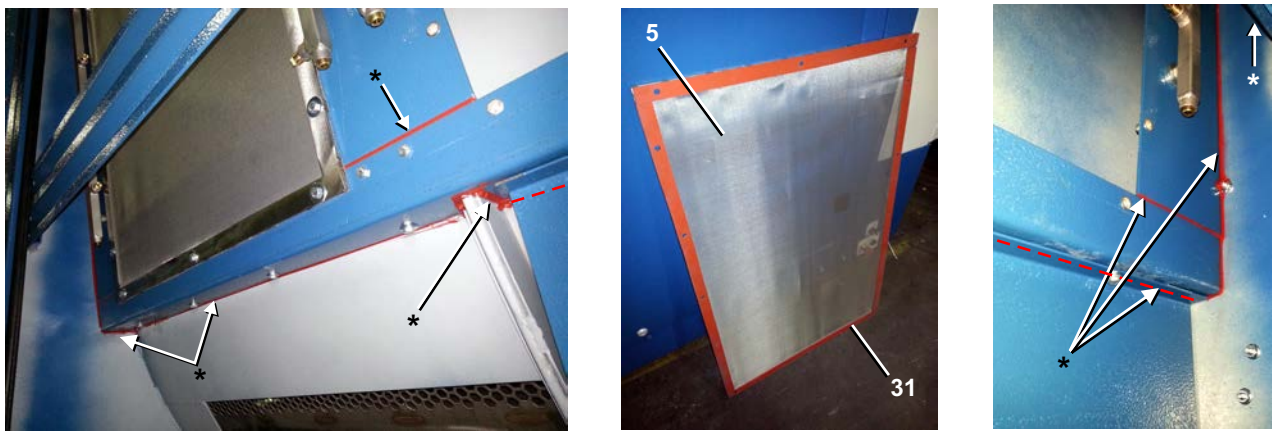


View C-C

* Silicone washers (item 32) within.
Adhered to manifold with silicone (item 33).
(Typical 20 places)



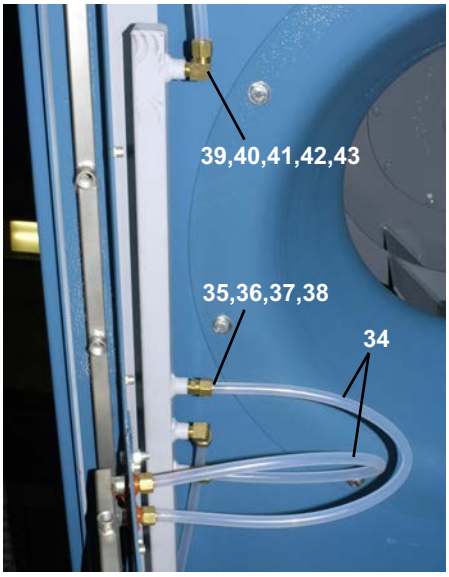
* Completely seal all seams
And gaps with silicone
(item 33) as shown.



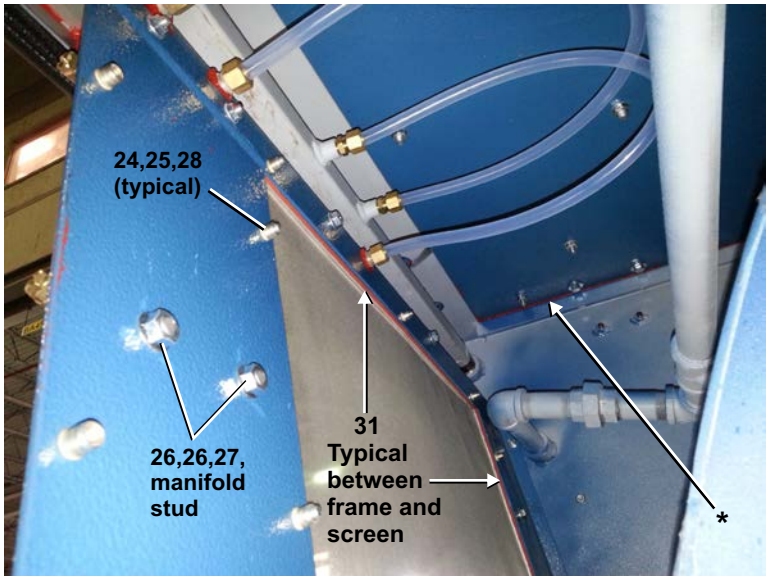
Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

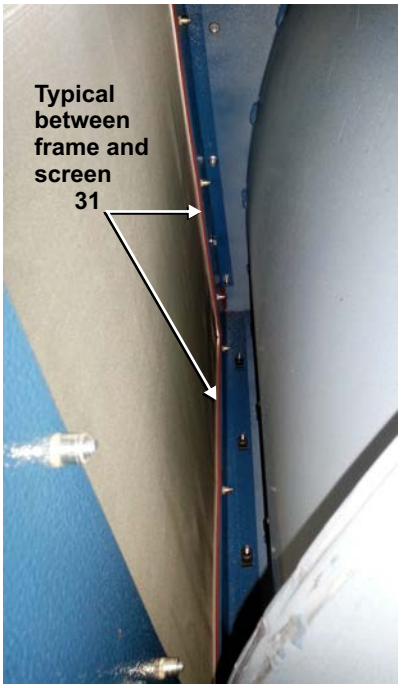
Figure 4: Lint Screens, Air Nozzles, Silicone Sealing



View D-D: Upper nozzle manifold (7676 Dryer shown)



View D-D: Inside view of upper nozzle and screen



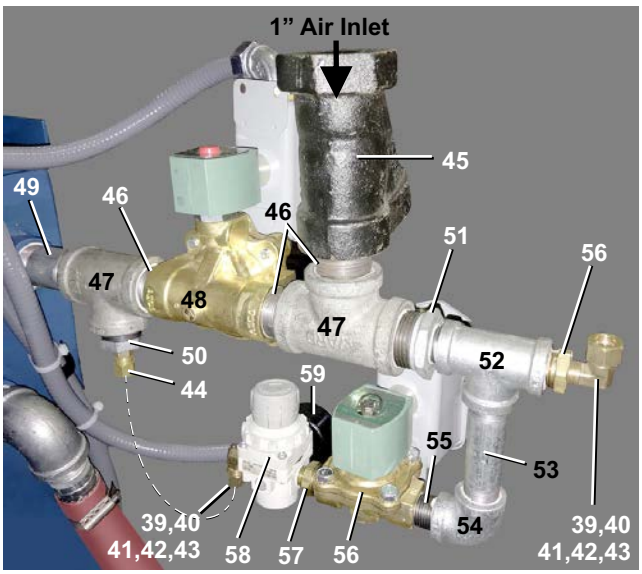
View E-E: Inside view bottom of screen

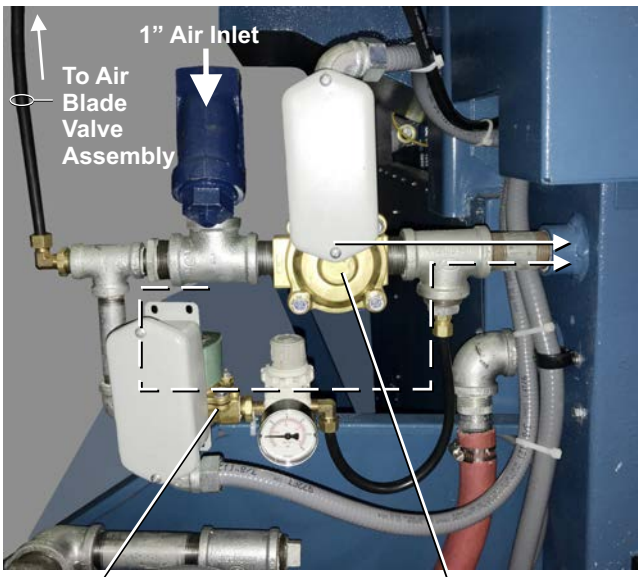
Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Figure 5: Internal Lint Air Inlet and Valves

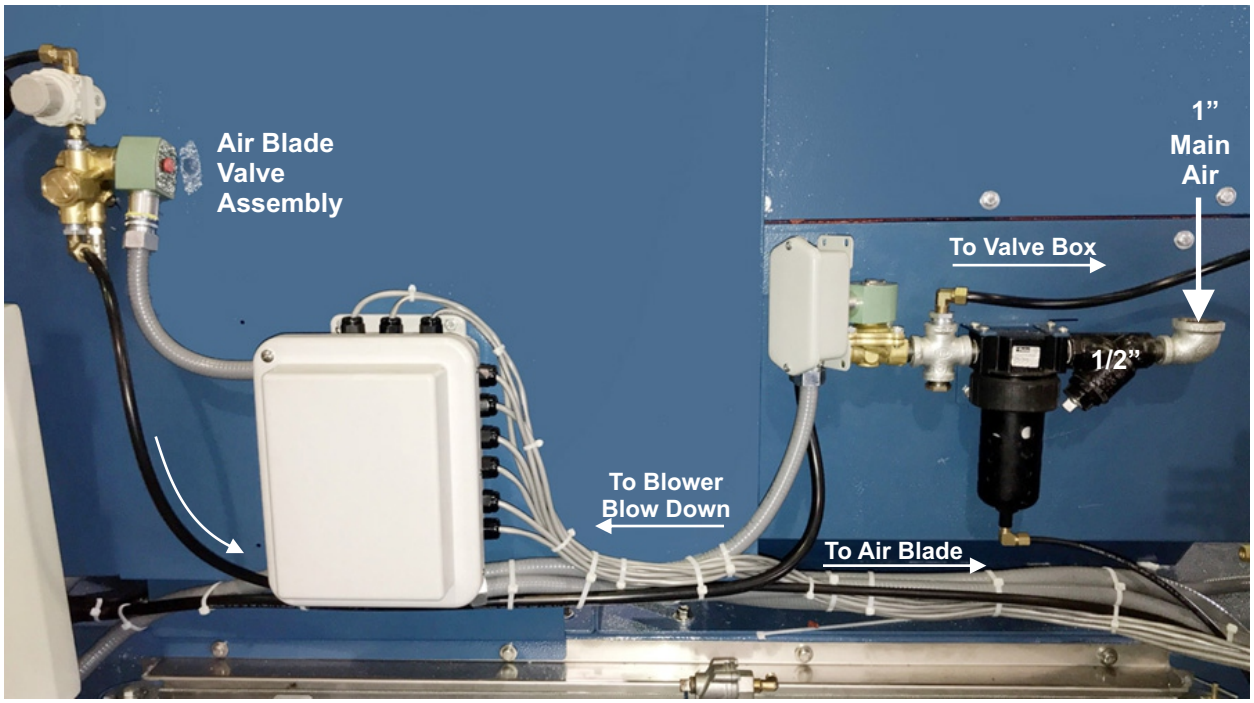
Internal Lint Air Inlet





Nozzle Cleaning: low pressure air to the nozzles

Screen Cleaning: high pressure air to the blow off the screens

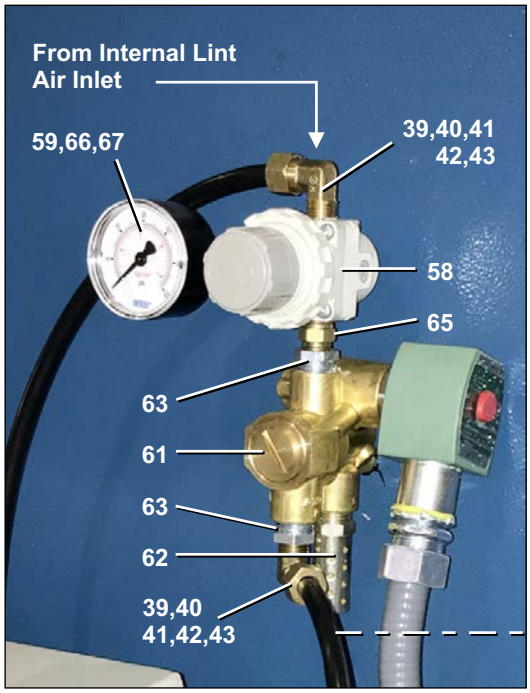


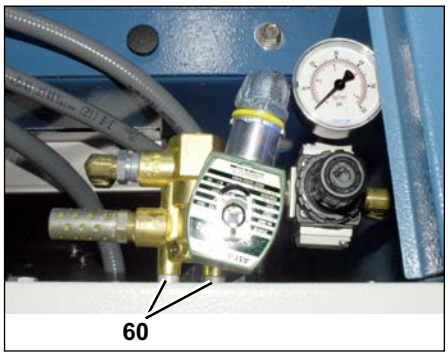
Internal Lint Screens

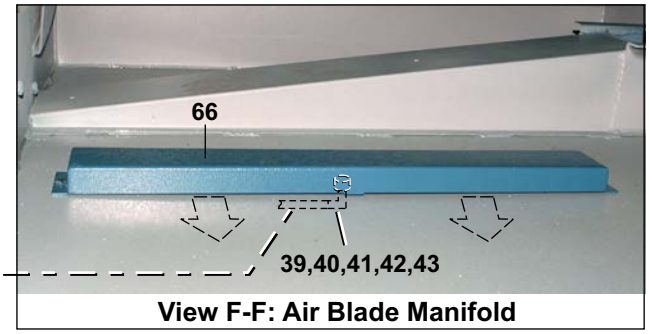
50040, 64058, 64064, 72072, 76076, 82082 Dryers

Figure 5: Air Blade Valve Assembly and Lint Collector Pilots

Air Blade Valve Assembly

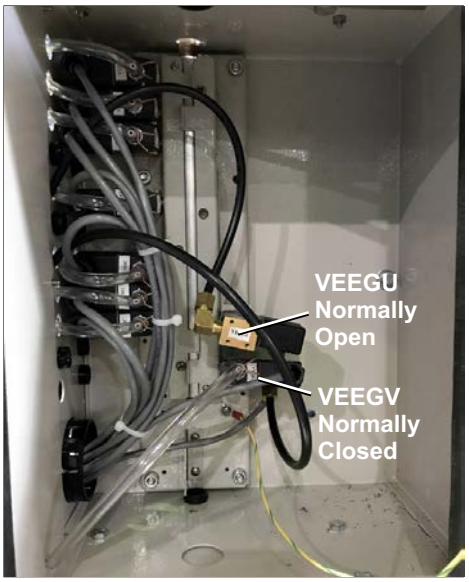






View F-F: Air Blade Manifold

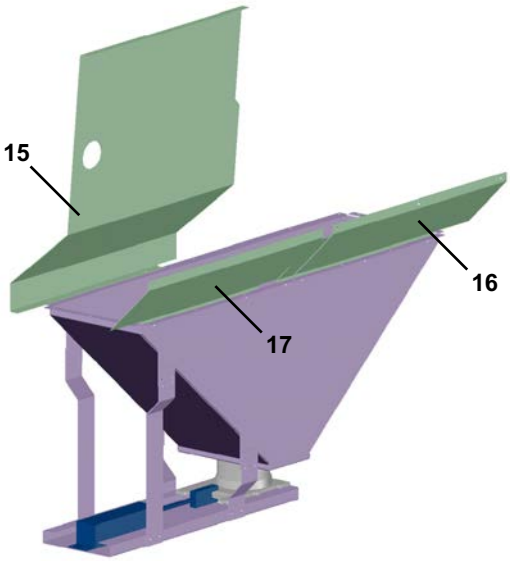
Lint Collector Gate Valve Pilots

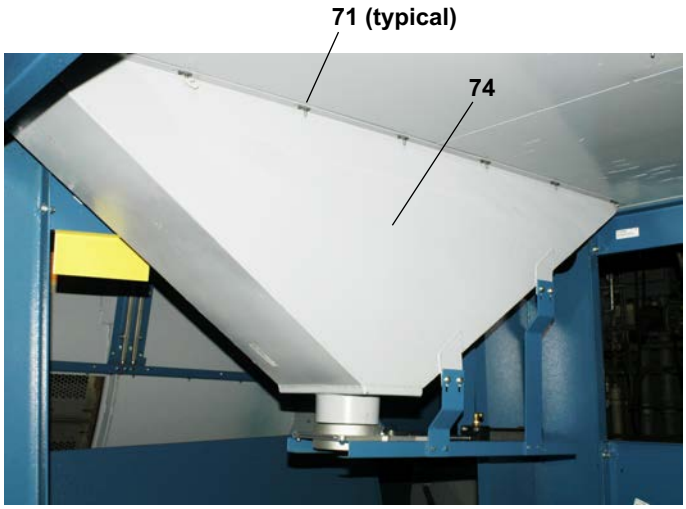


Internal Lint Screens

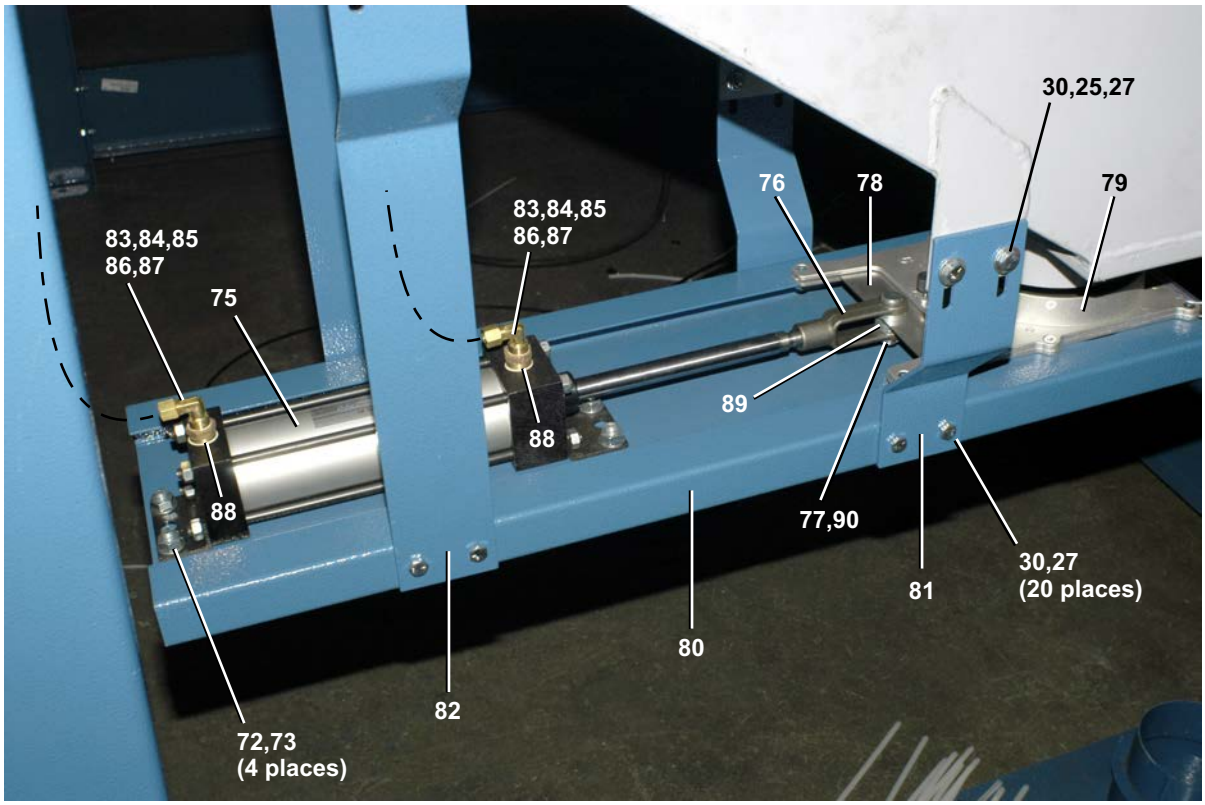
50040, 64058, 64064, 72072, 76076, 82082 Dryers

Figure 6: Lint Collector





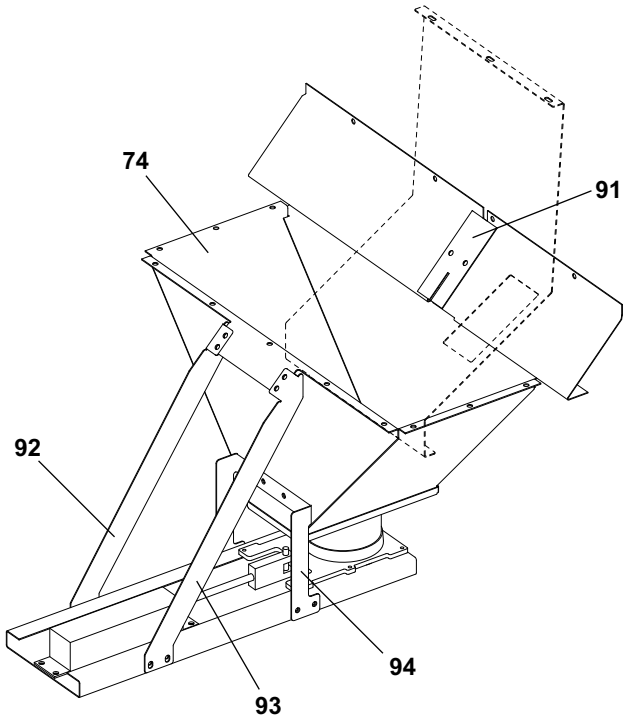
The Lint Collector is mounted under the Dryer at installation. The 6” flexible hose connection pipes to DRYVAC or lint collector by others.



Air Cylinder and Gate Valve

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers



Parts List

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 LEFT
	B	G74LS001A	5040 INTERNAL LINT SCREEN RIGHT	5040 RIGHT
	C	G77LS001B	INST=6458 NL INT LINT SCREEN LT	6458 LEFT
	D	G77LS001C	INST=6458 NL INT LINT SCREEN RT	6458 RIGHT
	E	G77LS002B	INST=6464 NL INT LINT SCRN LT	6464 LEFT
	F	G77LS002C	INST= 6464 NL INT LINT SCRN RT	6464 RIGHT
	G	G79LS001	INSTALL=7272L INTERNAL LINT SCREENS	7272 LEFT
	H	G79LS001A	INSTALL=7272R INTERNAL LINT SCREEN	7272 RIGHT
	J	G79LS021	INSTALL=7676 LEFT INTERNAL LINT SCREENS	7676 LEFT
	K	G79LS021A	INSTALL=7676 RITE INTERNAL LINT SCREENS	7676 RIGHT
	L	G82LS001	8282 LT LINT SCREEN INSTALL	8282 LEFT
	M	G82LS001A	8282 RT LINT SCREEN INSTALL	8282 RIGHT
			COMPONENTS	
A	1	A74LS003	5040 LINT SCREEN RIVNUT BOTTOM	
B	1	A74LS003A	5040 LINT SCREEN RIVNUT BOTTOM RT	
C	1	A77RN001	ASSY=LOWER SCRN SUPPORT LEFT	
D	1	A77RN001A	ASSY=LOWER SCRN SUPPORT RIGHT	
E	1	A77RN005	ASSY=6464 LOWER SCREEN SUPPORT LF	
F	1	A77RN005A	ASSY=6464 LOWER SCREEN SUPPORT RT	
G	1L	A79RN002	ASSY=LF LS BTTM-LOAD SD	
H	1L	A79RN002A	ASSY=RT LS BTTM-LOAD SD	
J	1L	A79RN025	ASSY=7676 LEFT LINT SCREEN BRKT BTTM-REAR	
K	1L	A79RN022A	ASSY=7676 RITE LINT SCREEN BRKT BTTM-FRONT	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Parts List

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
G	1R	A79RN006	ASSY=LF LS BTTM-UNLOAD SD	
H	1R	A79RN006A	ASSY=RT LS BTTM-UNLOAD SD	
J	1R	A79RN022	ASSY=7676 LEFT LINT SCREEN BRKT BTTM-FRONT	
K	1R	A79RN025A	ASSY=7676 RITE LINT SCREEN BRKT BTTM-REAR	
L	1	A82RN131	8282 LT LINT SCREEN LOWR SPPRT W/RVNT	
M	1	A82RN131A	8282 RT LINT SCREEN LOWR SPPRT W/RVNT	
AB	2	A74LS002	5040 LINT SCREEN RIVNUT TOP	
CD	2	A77RN002	ASSY=UPPER SCRN SUPPORT	
EF	2	A77RN006	ASSY=6464 UPPER SCREEN SUPPORT	
GH	2	A79RN001	ASSY=LF LS BRKT TOP	
J	2	A79RN021	ASSY=7676 LEFT LINT SCREEN BRKT TOP	
K	2	A79RN021A	ASSY=7676 RITE LINT SCREEN BRKT TOP	
LM	2	A82RN133	8282 SCREEN UPPER SUPPORT W/RIVNUT	
AB	3L	A74LS001	5040 LINT SCREEN RIVNUT LEFT	
CD	3	A77RN003	ASSY=SIDE SCREEN SUPPORT	
EF	3	A77RN007	ASSY=6464 SIDE SCREEN SUPPORT	
K	3L	A79RN026A	ASSY=7676 RITE LINT SCREEN BRKT VERT-REAR	
G	3L	A79RN007	ASSY=LF LS MNT-UNLOAD SD	
G	3R	A79RN003	ASSY=LF LS MNT-LOAD SD	
H	3L	A79RN007A	ASSY=RT LS MNT-UNLOAD SD	
J	3L	A79RN026	ASSY=7676 LEFT LINT SCREEN BRKT VERT-REAR	
AB	3R	A74LS001A	5040 LINT SCREEN RIVNUT RIGHT	
H	3R	A79RN003A	ASSY=RT LS MNT-LOAD SD	
J	3R	A79RN023	ASSY=7676 LEFT LINT SCREEN BRKT VERT-FRONT	
K	3R	A79RN023A	ASSY=7676 RITE LINT SCREEN BRKT VERT-FRONT	
LM	3	A82RN132	8282 SCREEN SIDE SUPPORT W/RIVNUT	
CDG	4L	A77RN004	ASSY=CENTER SCREEN SUPPOT LEFT	
H	4L	A79RN005A	ASSY=RT LS CENTER-UNLOAD SD	
CD	4R	A77RN004A	ASSY=CENTER SCREEN SUPPORT RIGHT	
H	4R	A79RN004A	ASSY=RT LS CENTER-LOAD SD	
EF	4	A77RN004B	ASSY=CENTER SCREEN SUPPORT NEW - LOOK	
JK	4	A79RN024	ASSY=7676 LINT SCREEN BRKT VERT-CENTER	
LM	4	A82RN130	8282 SCREEN CENTER SUPPORT W/RIVNUT	
AB	5	W7 44248	5040 LINT SCREEN	
CDEF	5	W7 71804	WLMT=54 MESH SCREEN FRAME	
GH	5L	W7 81590	7272 LINT SCREEN-LOAD SIDE	
JK	5L	W7 85590	WELD=7676 LINT SCREEN FRAME-FRONT	
GH	5R	W7 81591	7272 LINT SCREEN-UNLOAD SIDE	
JK	5R	W7 85591	WELD=7676 LINT SCREEN FRAME-REAR	
LM	5	W7 88134	8282 SCREEN WLMT	
C-F	6	07 71838	FILLER-SCREEN-TOP-UNLOAD SIDE	
C-F	7	07 71838A	FILLER-SCREEN-TOP-LOAD SIDE	
C-F	8	07 71839	FILLER-SCREEN-TOP-MID	
C-F	9	07 71846	FILLER=6464 LINT VERTICAL RIGHT	
C-F	10	07 71846A	FILLER=6464 LINT VERTICAL LEFT	
C-F	11	07 71856	LINT=CORNER FILLER LOAD	
C-F	12	07 71856A	LINT=CORNER FILLER UNLOAD	
C-F	13	07 71857	LINT=CORNER FILLER LOWER LOAD	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Parts List

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
C-F	14	07 71857A	LINT=CORNER FILLER LOWER UNLOAD	
A	15L	07 44252	5040 LEFT LINT DEFLECTOR	
C	15L	07 71836	LINT BLOCKER UNLOAD LEFT	
E	15L	07 72054B	6464 LEFT REAR LINT BLOCKER	
G	15L	07 81565	7272 LINT DEFLECTOR UNLOAD LEFT	
H	15L	07 81565A	7272 LINT DEFLECTOR UNLOAD RIGHT	
J	15L	07 85565B	7676 LEFT LINT DEFLECTOR-REAR	
B	15R	07 44252	5040 LEFT LINT DEFLECTOR	
D	15R	07 71836A	LINT BLOCKER UNLOAD RIGHT	
F	15R	07 72054C	6464 RITE REAR LINT BLOCKER	
G	15R	07 81566	7272 LINT DEFLECTOR LEFT	
H	15R	07 81566A	7272 LINT DEFLECTOR RIGHT	
J	15R	07 85565C	7676 RITE LINT DEFLECTOR-REAR	
L	15	07 88139	8282 LT LINT BLOCKER UNLOAD	
M	15	07 88139A	8282 RT LINT BLOCKER UNLOAD	
A	16	07 44254	5040 LINT DEFLECTOR UNLOAD LF	
B	16	07 44254A	5040 LINT DEFLECTOR UNLOAD RT	
C	16	07 71831B	6458 NL LINT DIVERTER UNLOAD LT	
D	16	07 71831C	6458 NL LINT DIVERTER UNLOAD RT	
E	16	07 72052D	6464 NL LINT DIVERTER UNLOAD LT	
F	16	07 72052E	6464 NL LINT DIVERTER UNLOAD RT	
K	16	07 85566C	7676 RITE DEFLECTOR BTM CORNER	
L	16	07 88136	8282 LT LINT DIVERTER UNLOAD	
M	16	07 88136A	8282 RT LINT DIVERTER UNLOAD	
A	17	07 44253	5040 LINT DEFLECTOR LOAD LF	
A	17	07 44253A	5040 LINT DEFLECTOR LOAD RT	
C	17	07 71832B	6458 NL LINT DIVERTER LOAD SIDE LT	
D	17	07 71832C	6458 NL LINT DIVERTER LOAD SIDE RT	
E	17L	07 72053B	6464 LEFT REAR LINT DIVERTER	
F	17L	07 72053C	6464 RITE REAR LINT DIVERTER	
J	17L	07 85566B	7676 LEFT LINT DEFLECTOR BTM CORNER	
L	17	07 88137	8282 LT LINT DIVERTER LOAD SIDE	
M	17	07 88137A	8282 RT LINT DIVERTER LOAD SIDE	
AB	18	W7 44245	5040 LINT SCREEN JET WELDMENT	
CDEF	18	W7 71860A	WLMT=BLOW NOZZLE OUTER RIGHT	
GHF	18	W7 81561	WLMT=BLOW NOZZLE UNLOAD SIDE	
LM	18	W7 88147A	8282 BLOW NOZZLE OUTER WLMT RIGHT	
AB	19	W7 44245A	5040 LINT SCREEN JET WLEDMENT OPP	
CDEF	19	W7 71860	WLMT=BLOW NOZZLE OUTER LEFT	
GF	19	W7 81561A	WLMT=BLOW NOZZLE UNLOAD SIDE OPP	
LM	19	W7 88147	8282 BLOW NOZZLE OUTER WLMT LEFT	
CDEFGH	20	W7 71862	WLMT=BLOW NOZZLE INNER LEFT	
JK	20	W7 85562	WELD=7676 LINT SCREEN BLOW NOZZLE-REAR	
CDEFGH	20	W7 71862A	WLMT=BLOW NOZZLE INNER RIGHT	
JK	20	W7 85562A	WELD=7676 LINT SCREEN BLOW NOZZLE-FRONT	
L	20	W7 88149	8282 BLOW NOZZLE INNER WLMT LEFT	
M	20	W7 88149A	8282 BLOW NOZZLE INNER WLMT RIGHT	
GF	21	W7 81560	WLMT=BLOW NOZZLE TOP	
JK	21	W7 85560	WELD=7676 LINT SCREEN BLOW NOZZLE TOP	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Parts List

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
A	22	W7 44247	5040 LINT SCREEN MANIFOLD WELDMENT	
CDEF	22	W7 71850	WLMT=LINT SCREEN MANIFOLD	
GF	22	W7 81569	WLMT=7272 LINT SCREEN AIR MANIFOLD	
JLM	22	W7 85569	WELD=7676 LINT SCREEN AIR MANIFOLD	
all	23	27A003	NOZZLE 1/4" BRASS SQUARE PATTE	
all	24	15K041	HXCAPSCR 1/4-2OUNC2AX1 GR 5 ZI	
all	25	15U185	FLATWASHER(USS STD) 1/4" ZNC P	
all	26	15U185A	FLTWSHR .750DX.312IDX.084TK ZI	
all	27	15G178	1/4"-20 HEXFLANGE NUT ZINC	
all	28	17N059	KNURRIVNUT 1/4-20 ZN.027"-.165	
all	29	07 71812	LINT MAIFOLD VENTED PLUG	
all	30	15K039	HXCAPSCR 1/4-20UNC2AX3/4 GR5 Z	
all	31	60A160	RED SILICONE STRIP 1/8" X 1" WITH P/S	
all	32	15U356	FLATWASHER SILICONE 1.50 O.D X .75 ID	
all	33	20C041	SUPRFLXSIL ADH SEAL RED 10.2OZ	
all	34	60E005H	TUBING PFA 3/8" ID X 1/2" OD HIGH-TEMP	
all	35	53ACM0KEBB	BODYMALCON.5T X.25MP #B68A-8B	
all	36	53A4000KB	TUBE INSERT 1/2"OD #60AE-8	
all	37	53A3000KB	SLEEVE 1/2"OD TUBE #60AP-8	
all	38	53A10SSKB	.5T COMPNUT 11/16-20 AND#61A-8	
all	39	53A043G	EL90 3/8X1/4COMP.AND#69A-6B	
all	40	53A511	SLEEVE DELRIN 3/8"OD#60PT-6	
all	41	53A512	TUBE INSERT 3/8"OD #63PT-6-62	
all	42	53A060C	NUT 3/8"COMP AND.#61A-6	
all	43	60E005B	TUBING NYL.3/8"OD X.275"ID	
all	44	53A023	MALECON3/8X.25COMP ANCHR#68-64	
all	45	51T040	Y STRAINER 1" CAST IRON 20 MESH	
all	46	5N1ACLSG42	NPT NIP 1XCLS TBE GALSTL Sk40	
all	47	5S1ANFA	NPT TEE 1" GALMAL 150#	
all	48	96TFC2AA37	1" N/C 2WAY 120V50/60C VALVE	
all	49	5N1A02AG42	NPT NIP 1X2"TBE GALSTL SK40	
all	50	5SB1A0ENFO	NPTHEXBUSH 1X1/4 GALMAL 150#	
all	51	5SB1A0KNFO	NPTHEXBUSH 1X1/2 GALMAL 150#	
all	52	5S0KNFA	NPT TEE 1/2" GALMAL 150#	
all	53	5N0K04AG42	NPT NIP 1/2X4 TBE GALSTL SK40	
all	54	5SL0KNFA	NPTELB 90DEG 1/2 GALMAL 150#	
all	55	5N0KCLSG42	NPT NIP 1/2XCLS TBE GALSTLSK40	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

Parts List

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	56	96TDC2AA37	1/2"N/C2WY120V50/60C VLV	
all	57	5SB0K0EHEO	NPTHEXBUSH 1/2X1/4 STLZNC 125#	
all	58	96J019E	1/4"PRESSREG3-60#AR20-N02H-Z-A	
all	59	30N100	PRESSGAUGE 1/8"BACKCN.0-30PSI	
all	60	02 10456	BUSHING=SENSDEV PIVOTPIN	
all	61	96TCC3AA37	3/8" N/C 3WAY 120V50/60C VALVE	
all	62	27A005	MUFFLER 3/8" BANTAM B38	
all	63	5SB0G0EDEO	NPTHEXBUSH 3/8X1/4 GALCI 125#	
all	65	5N0ECLSBE2	NPT NIP 1/4XCLS TBE BRASS 125#	
all	66	5SL0CBEA	NPTELB 90DEG 1/8 BRASS 125#	
all	67	5N0CCLSB42	NPT NIP 1/8XCLS TBE BRASS STD	
all	68	07 71837	AIR BLADE MANIFOLD	
LM	68	07 88140	8282 AIR BLADE	
all	69	96R302B37	1/8"AIRPILOT 3W NO 120V50/60	
all	70	96R301B37	1/8"AIRPILOT 3W NC 120V50/60	
all	71	15G004HD	1/4-20 USHORT NUT P/R .025-.15	
all	72	15K085	HEXCAPSCR 3/8-16UNC2AX3/4 GR5	
all	73	15G198	HXFLGNUT 3/8-16 ZINC	
AB	74	W7 44250	5040 LINT COLLECTOR	
C	74	W7 71840	WLMT=LINT COLLECT LEFT	
D	74	W7 71840A	WLMT=LINT COLLECT RIGHT	
EF	74	W7 72050A	6464, 53.25" LINT COLLECT WLMT	
GH	74	W7 81567	WLMT=7272 LINT COLLECT	
JK	74	W7 85567B	WELD=7676 LINT COLLECT	
L	74	W7 88141	8282 LT LINT COLLECT WLMT	
M	74	W7 88141A	8282 RT LINT COLLECT WLMT	
all	75	27C217	AIR CYL 2"BORE X 6"STROKE	
all	76	17A019	YOKE END 1/2-20 STEEL	
all	77	17A040	CLEVIS PIN 1/2"X1+3/8" DRILLED	
all	78	07 71847	GATE VAVLE FLAP	
all	79	1.30E+07	BLAST GATE 6" SELF-CLEANING #06SGATE	
all	80	07 71848	GATE VAVLE CYLINDER MNT	
all	81	07 71852	GATE VALVE MNT SHORT	
A-K	82	07 71849	GATE VALVE MNT LONG	
LM	82	07 81568	GATE VALVE MNT LONG	
all	83	53A031XB	BODY-EL90MALE.25X25 #269C-4-4B	
all	84	60E004TE	1/4"OD X.170"ID NYL(BLK)TUBING	
all	85	53A059A	NUT 1/4"BR.HOLYOKE AND #61A-4	
all	86	53A500	SLEEVE DELRIN 1/4"OD#60PT-4	

Internal Lint Screens

50040, 64058, 64064, 72072, 76076, 82082 Dryers

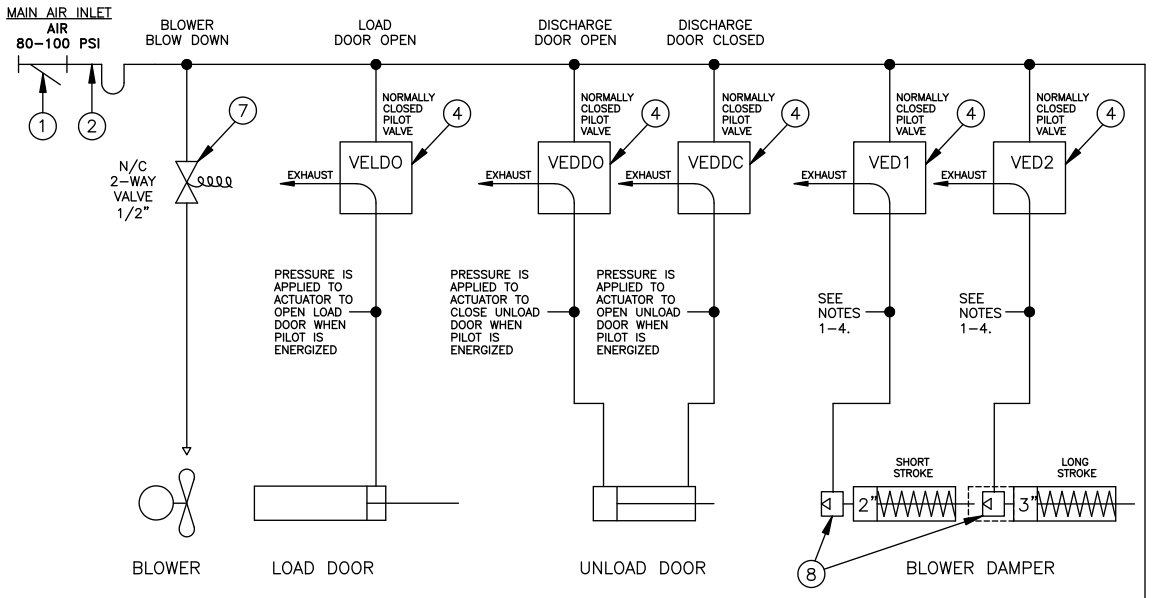
Parts List

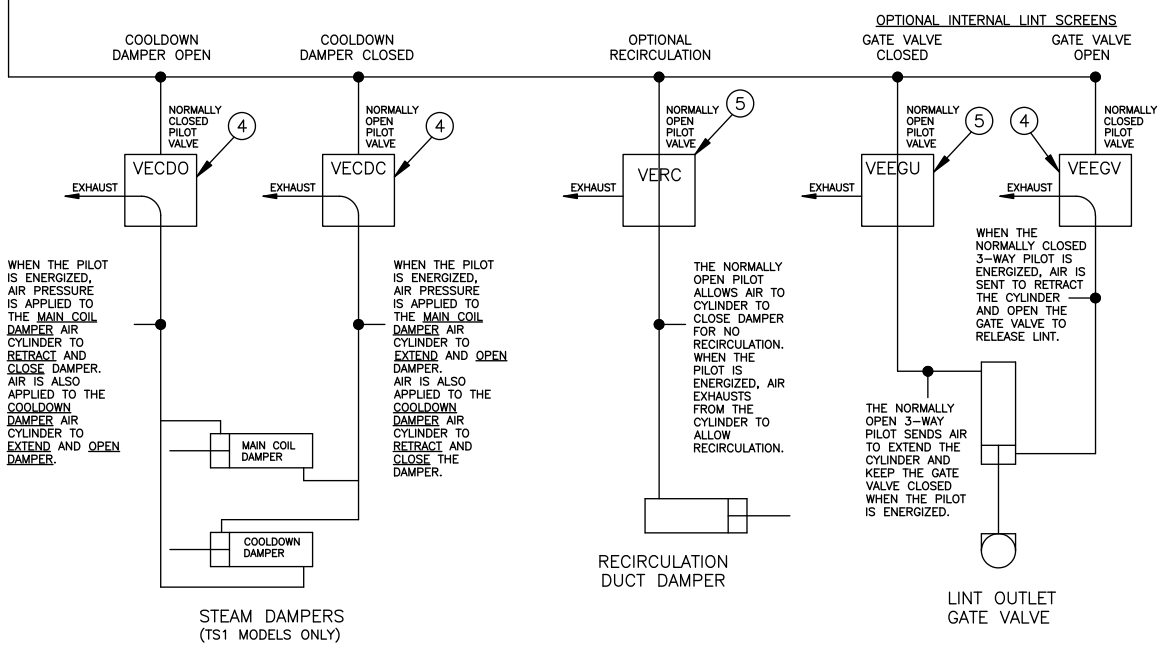
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
all	87	53A501	TUBE INSERT .163"OD #63PT-4-40	
all	88	5SB0G0EBEO	NPTHEXBUSH 3/8X1/4 BRASS 125#	
all	89	15U243	FLTWASHER 7/8ODX33/64IDX16GA Z	
all	90	15H051	STDCOTTERPIN 1/8X1+1/2ZINCPL	
ABl	91	07 44255	5040 DEFLECTOR COVER	
JK	91	07 85564	7676 LINT BOTTOM CORNER COVER	
AB	92	07 44257	5040 LINT CYL ARM LF	
AB	93	07 44257A	5040 LINT CYL ARM RT	
AB	94	07 442565	5040 LINT SCREEN CYL BRKT	

Pneumatic Schematic

5050TG1L/R, 5050TS1L/R, 6458TG1L/R, TS1L/R 6464TG1L/R, TS1L/R 7272TG1L/R, TS1L/R 7676TG1L/R 8282TG1L/R



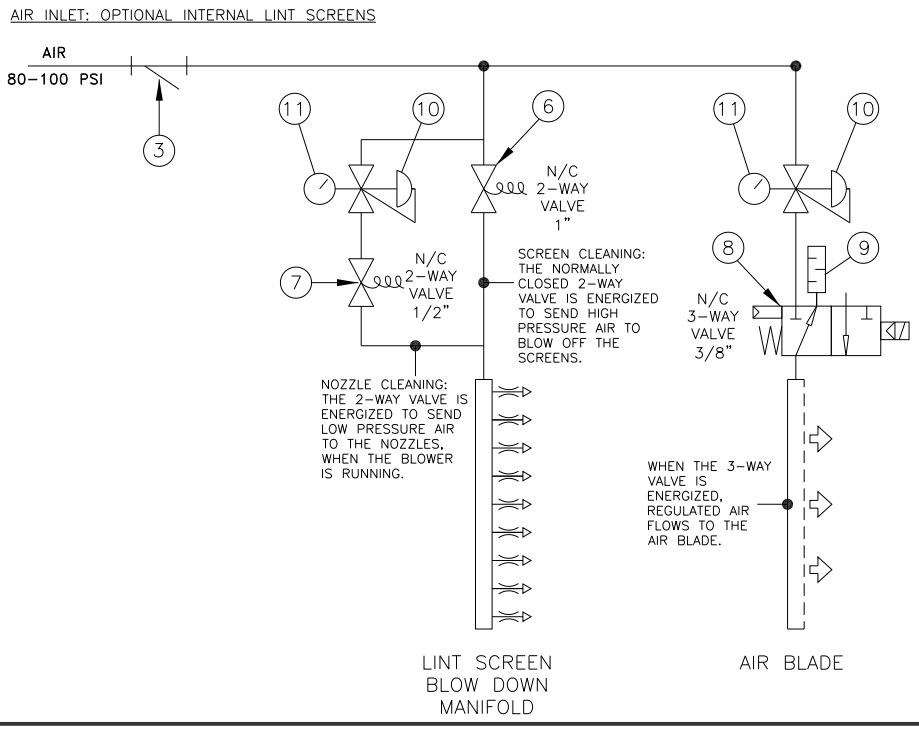


NOTES:

1. MINIMUM AIR FLOW OCCURS WHEN PRESSURE IS APPLIED TO ALL 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

Pneumatic Schematic

5050TG1L/R, 5050TS1L/R, 6458TG1L/R, TS1L/R 6464TG1L/R, TS1L/R
7272TG1L/R, TS1L/R 7676TG1L/R 8282TG1L/R



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.

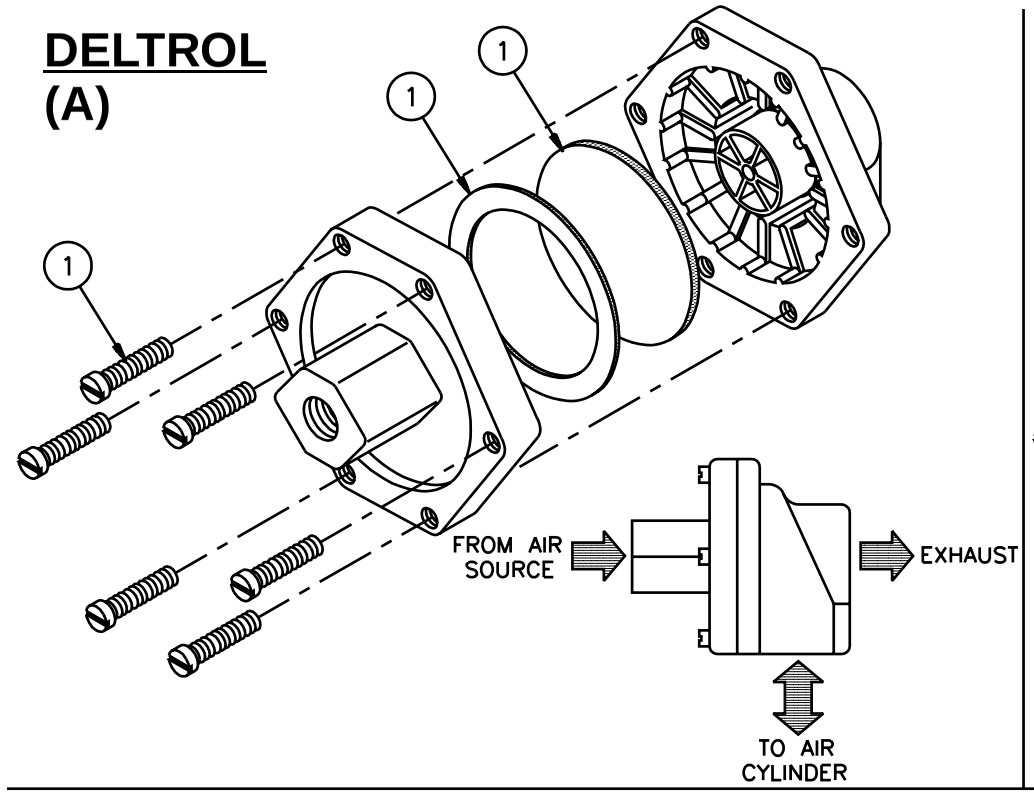
Used In	Item	Part Number	Description	Comments
			ASSEMBLIES	
	A	AVA712DT37	VALVE ASSY 64" DRYER OL	
			COMPONENTS	
all	1	51T025	Y-STRAINER 1/2" CAST IRON	
all	2	30N601	1/2"AIRLINE FILTER # 07F36AC	
all	3	51T040	Y STRAINER 1" CAST IRON 20 MESH	
all	4	96R301B37	1/8"AIRPILOT 3W NC 120V50/60	
all	5	96R302B37	1/8"AIRPILOT 3W NO 120V50/60	
all	6	96TFC2AA37	1" N/C 2WAY 120V50/60C VALVE	
all	7	96TDC2AA37	1/2"N/C2WY120V50/60C VLV	
all	8	96TCC3AA37	3/8" N/C 3WAY 120V50/60C VALVE	
all	9	27A005	MUFFLER 3/8" BANTAM B38	
all	10	96J019E	1/4"PRESSREG3-60#AR20-N02H-Z-A	
all	11	30N101	PRESSGAUGE 1/8"BACKCN.0-60PSI	

Quick Exhaust Valves

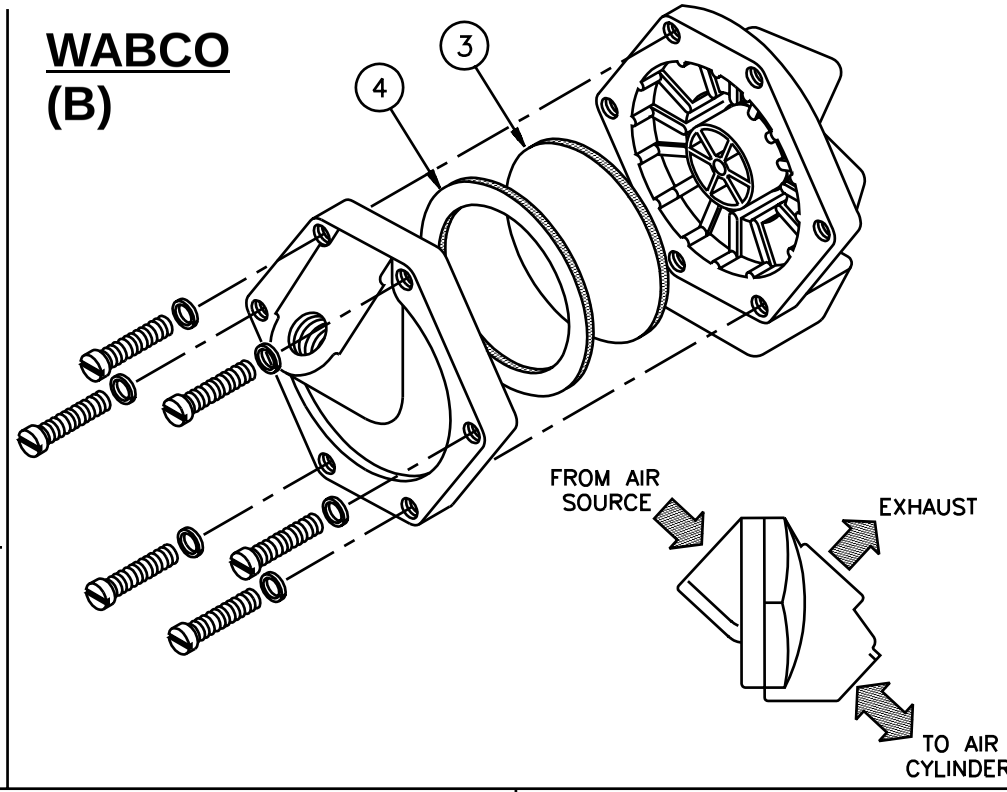
Pellerin Milnor Corporation
P. O. Box 400, Kenner, LA 70063-0400

Litho in U.S.A.

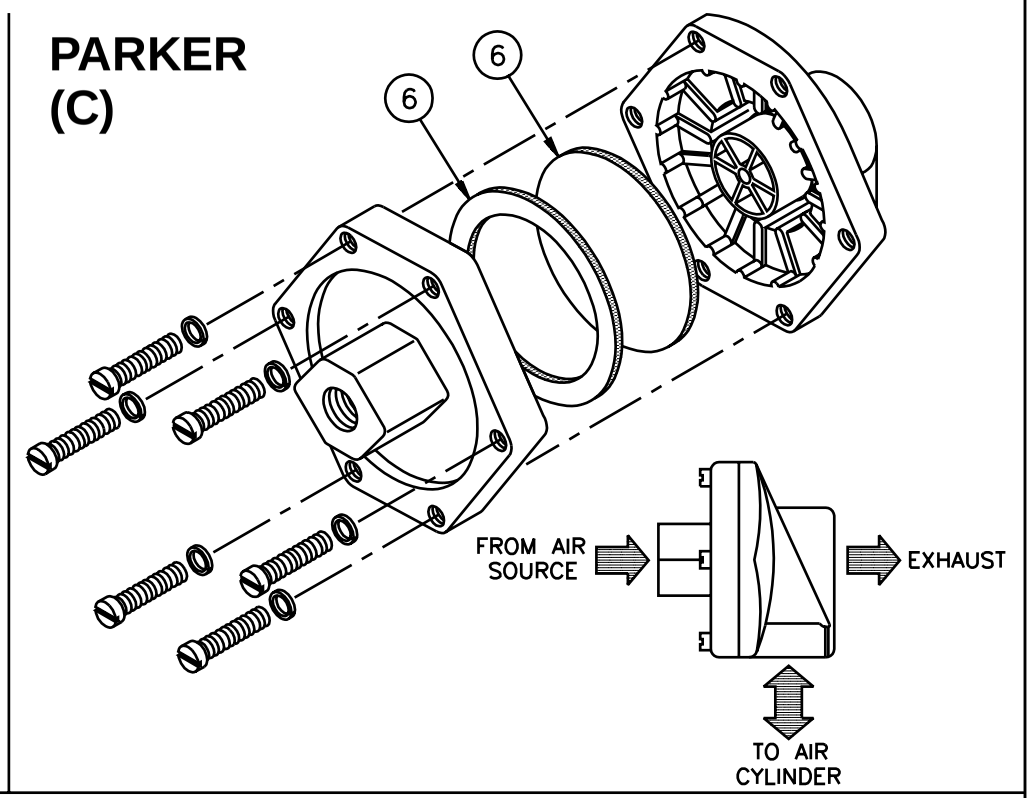
DELTROL
(A)



WABCO
(B)

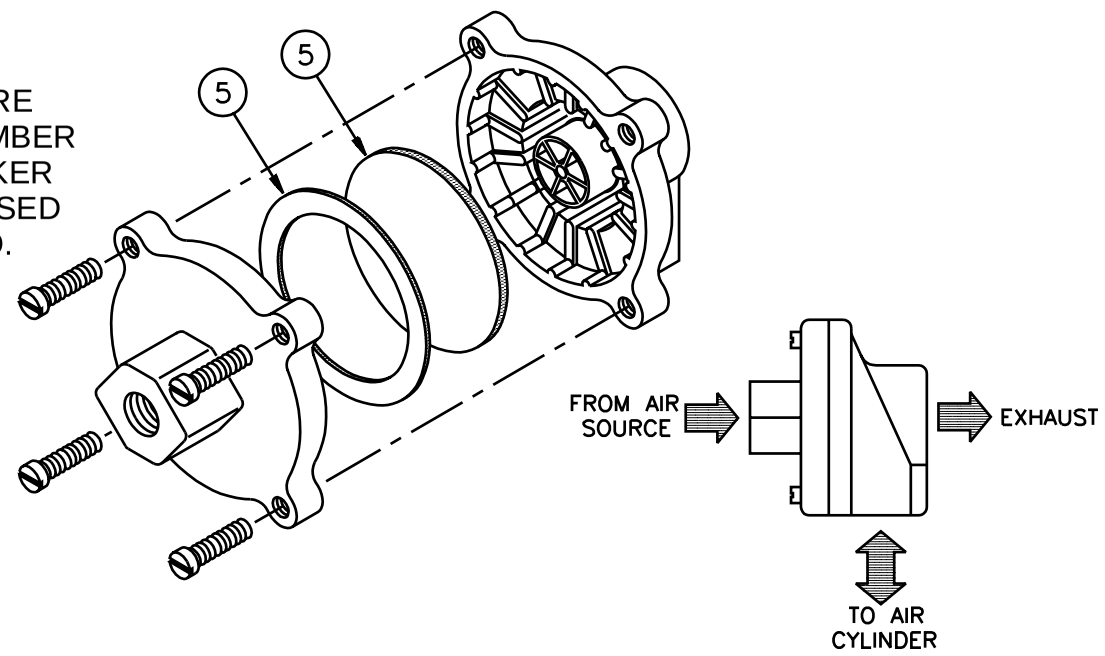


PARKER
(C)



ASCO
(D)

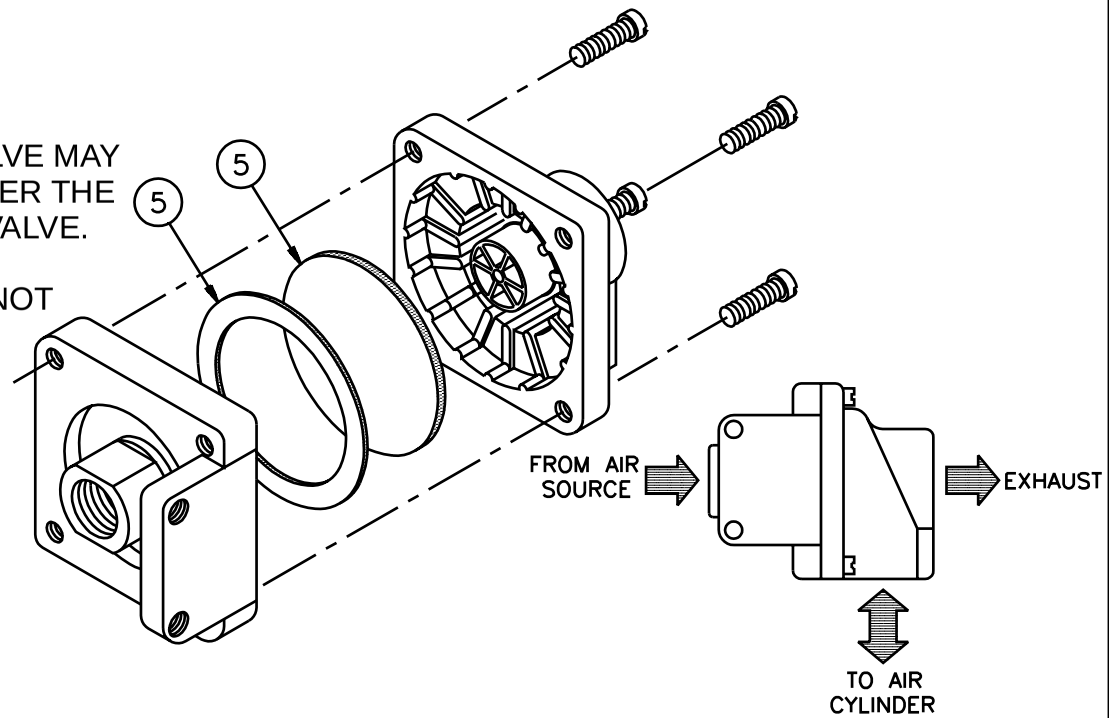
NOTE: ASCO VALVES ARE USED PRIOR TO NOVEMBER 1987. SINCE THEN PARKER VALVES HAVVE BEEN USED IN PLACE OF THE ASCO.



GOYEN
(E)

NOTE: THE GOYEN VALVE MAY BE REPLACES BY EITHER THE WABCO OR DELTROL VALVE.

THE GOYEN VALVE IS NOT TO BE USED IN PLACE OF THE WABCO OR DELTROL VALVE.



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

Parts List—Quick Exhaust Valves

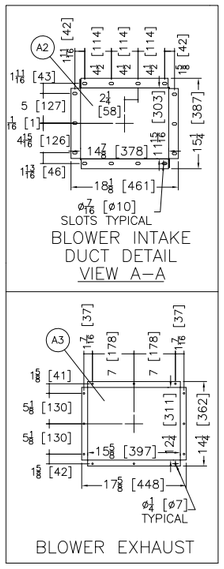
Find the correct assembly first, then find the needed components. The item letters (A, B, C, etc.) assigned to assemblies are referred to in the "Used In" column to identify which components belong to an assembly. The item numbers (1, 2, 3, etc.) assigned to components relate the parts list to the illustration.

Used In	Item	Part Number	Description	Comments
			----------ASSEMBLIES----------	
	A	MESSAGE B2	REPAIR KITS ONLY <>	DELTROL
	B	96M051	USE KZK5B00100	WABCO
	C	96M054	QWIKEXHAUSTVLV 3/4"URETHANE	PARKER
	D	MESSAGE B1	PARTS NO LONGER SOLD	ASCO
	E	MESSAGE B2	REPAIR KITS ONLY <>	GOYEN
	F	96M055	QUICK EXHAUST VALVE 1/4”	DELTROL
			----------COMPONENTS----------	
all	1	96M053A	KIT,QWIKRELVLV EV20A#10091-18	DELTROL VALVE ONLY
all	3	96M051B	DIAPHRAM,QWIKREL WAB#PS112-12	WABCO VALVE ONLY
all	4	96M051A	GASKET,WABCO QUICK EXHAUST VLV	WABCO VALVE ONLY
all	5A	96M052A	REPKIT,QES#M1319 (FOR 96M052)	GOYEN VALVE ONLY
all	5B	96M055A	REPAIR KIT FOR 96M055# 10128-99	DELTROL VALVE ONLY
all	6	96M054K	REPKIT 3/4"QWIKEXHAUSTVLV	PARKER VALVE ONLY

Dimensional Drawings

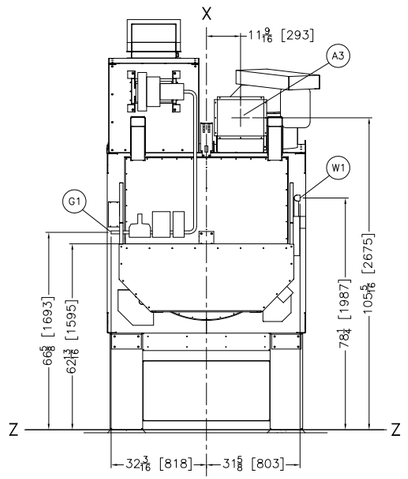
11

WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5040TG2/TS1		USE THIS COSHA SIDE RAIL EXTENDERS		A 5040TG2 DRYERS	
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	–	–	0	0	0	0	0	0	57 1/2	1461
–	–	–	–	3 1/2	89	3 1/2	89	3 1/2	89	61	1549
–	–	–	–	10 1/2	267	10 1/2	267	10 1/2	267	68	1727
–	–	0	0	14	356	14	356	14	356	71 1/2	1816
–	–	3 1/2	89	17 1/2	445	17 1/2	445	17 1/2	445	75	1905
0	0	7	178	21	533	21	533	21	533	78 1/2	1994
3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	24 1/2	622	82	2083
10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	31 1/2	800	89	2261
17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	38 1/2	978	96	2438
24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	45 1/2	1156	103	2616
31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	52 1/2	1334	110	2794
38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	59 1/2	1511	117	2972
45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	66 1/2	1689	124	3150

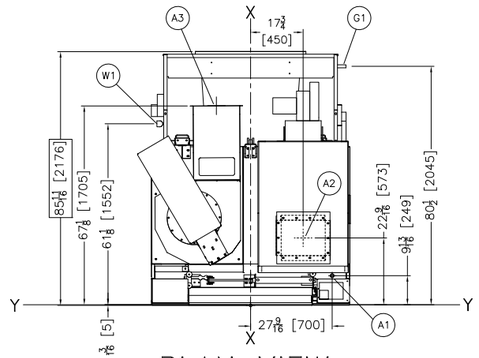


BLOWER INTAKE DUCT DETAIL
VIEW A–A

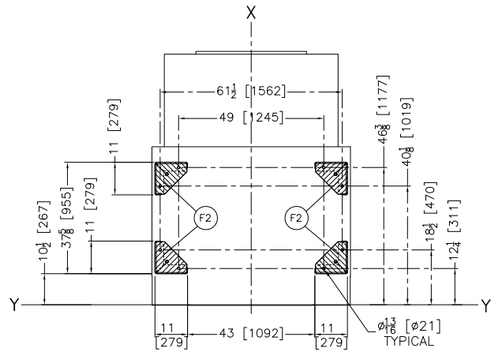
BLOWER EXHAUST



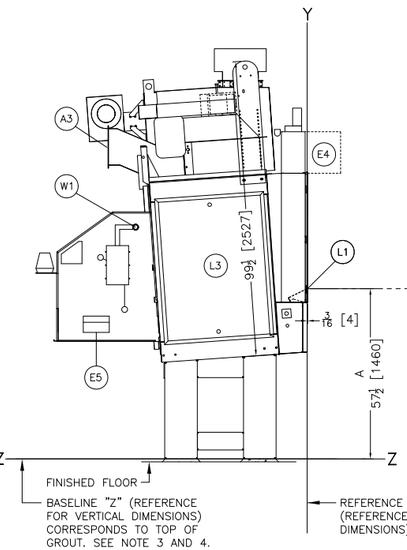
REAR VIEW



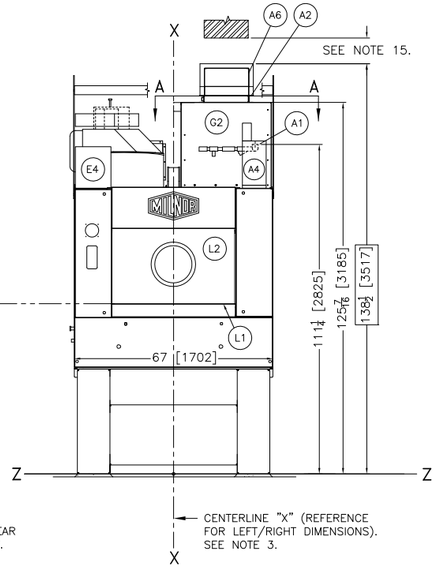
PLAN VIEW



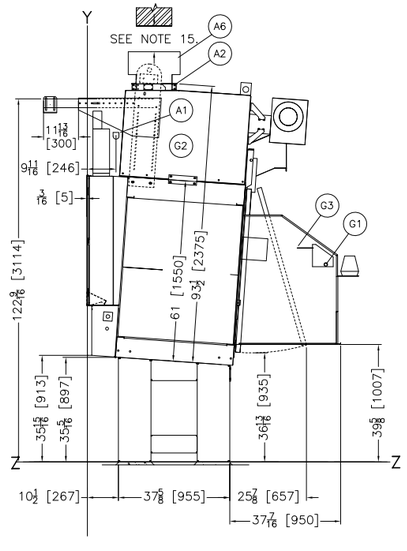
FOUNDATION PLAN VIEW



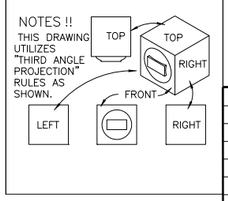
LEFT VIEW



FRONT VIEW



RIGHT VIEW

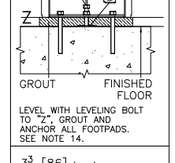


ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS TO THE PEDESTAL SPECIFIED.

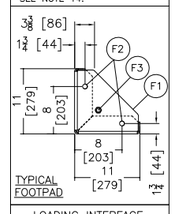
ITEM	LEGEND
W1	SPRINKLER WATER CONNECTION, 1–1/4" NPT
T1	OPTIONAL BEACON
L3	ACCESS DOORS TO LINT FILTER
L2	LOAD DOOR OPENING SIZE: 42"(1067) WIDE BY 28"(711) HIGH FOR STANDARD DOOR.
L1	LOADING HEIGHT, LOAD SHELF
G3	GAS LINE VENT TO ATMOSPHERE, 1/8" STAINLESS TUBING
G2	BURNER UNIT
G1	MAIN GAS INLET, 1"NPT
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	BASE PLATES, 4 PLACES
F1	ANCHOR BOLT HOLES, 13/16" DIAMETER, 8 PLACES
E5	MANUAL CONTROLS
E4	MICROPROCESSOR BOX
E3	LOW VOLTAGE BOX
E2	HIGH VOLTAGE BOX
E1	MAIN ELECTRICAL CONNECTION
A6	BLOWER AIR INTAKE TEE, REMOVE ONLY WHEN DUCTING THE INTAKE
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	MAIN AIR INLET, 1" NPT CONNECTION

DETAILS:

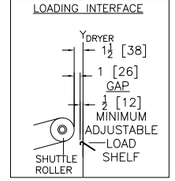
LEVEL & GROUT



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



LOADING INTERFACE



NOTES

16 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

15 IF THE BLOWER INTAKE IS NOT DUCTED THERE MUST BE 8 FEET [2438] OF UNOBSTRUCTED VERTICAL CLEARANCE BETWEEN THE INLET AND ANY OBJECT ABOVE IT.

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 DRAWING SHOWS THE 5040TG1 DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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 FOR PROPER COMBUSTION BY THE BURNER. 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 PRE–PIPE ANY CLOSER THAN 60 [1524].

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

9 MINIMUM CLEARANCE FOR MAINTENANCE = 24"[610]. SOME JURISDICTIONS REQUIRE UP TO 30"(762) CLEARANCE. CONSULT LOCAL CODES. IN COSHA INSTALLATIONS MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY COSHA REQUIREMENT. SEE DRAWING BDSHTCLRBE FOR MINIMUM DIMENSION OF COSHA AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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

7 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING SO BLOWER MAY BE REMOVED FOR SERVICING IF NEEDED.

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.

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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.

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.

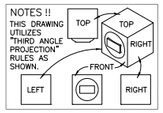
5040TG2L

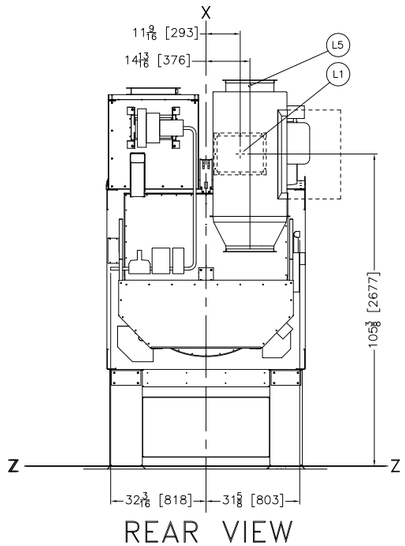
DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TG2LCE 2016236D

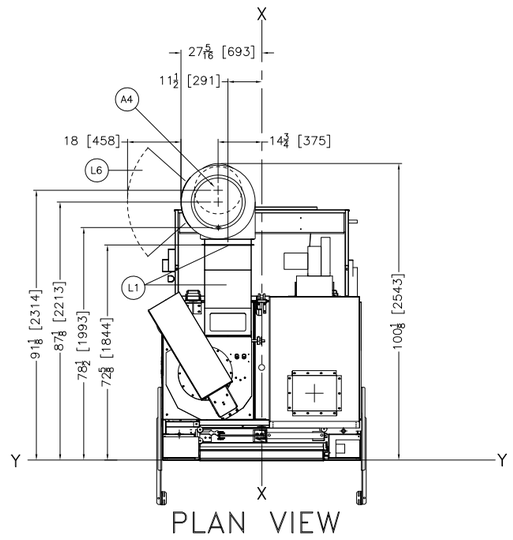
PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA. Phone 504/467–9591, FAX 504/468–3094, Email: milnorinfo@milnor.com

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



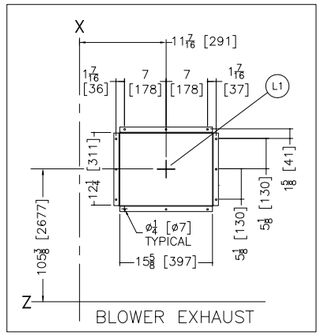


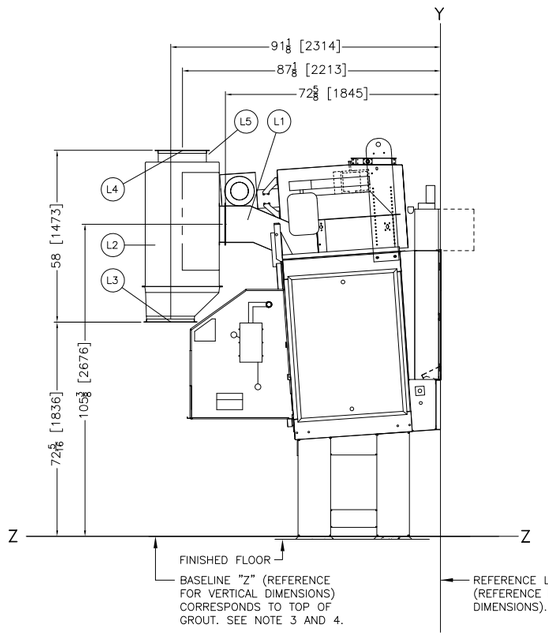
REAR VIEW



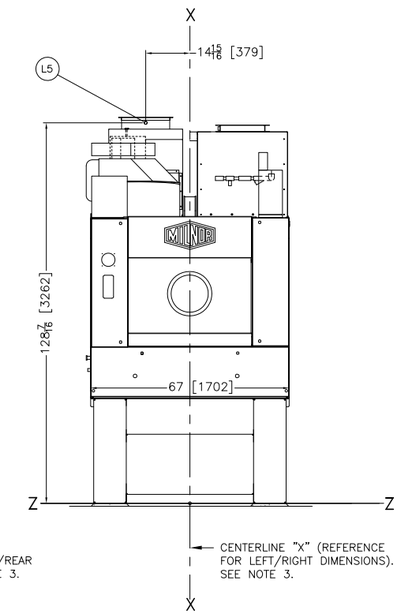
PLAN VIEW

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.

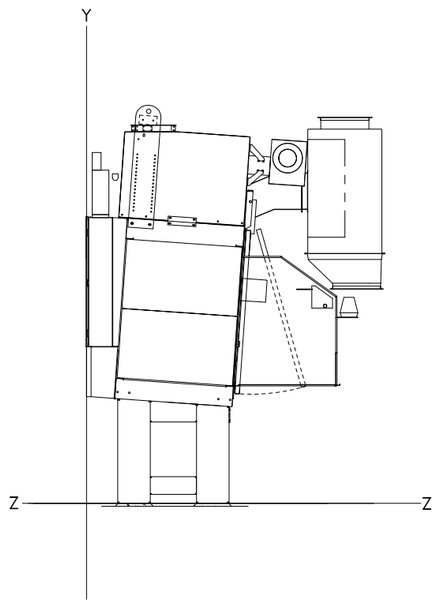




LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	AIR INLET, 3/4" NPT
L4	EXHAUST DUCT, 16-3/4"[425] ID FLANGED OUTLET
L3	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	16"[406] ID FLANGED OUTLET
L2	MLF1004 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
L1	OPTIONAL EXHAUST DUCT TO ONBOARD LINT

NOTES

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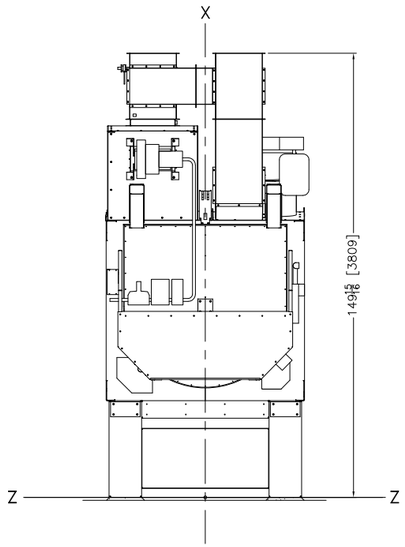
5040TG2L & MLF1004

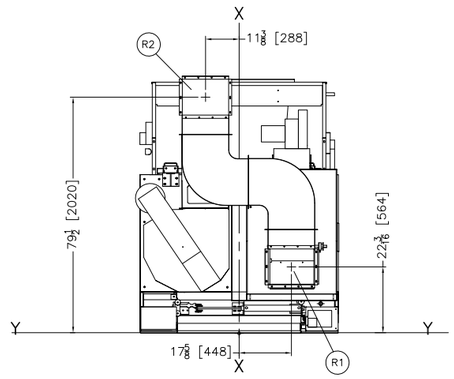
DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TG2LCB
2016236D

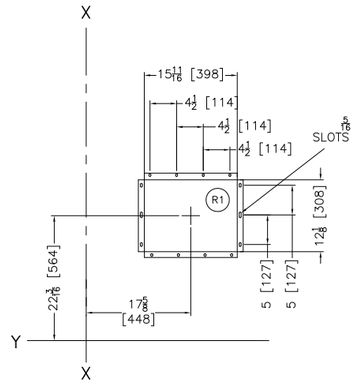
PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3094, Email: milnorinfo@milnor.com



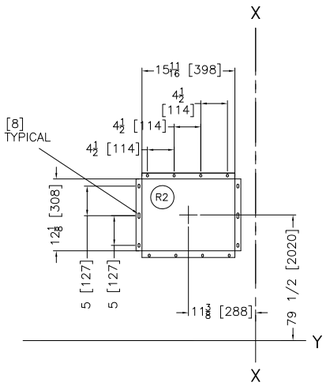
REAR VIEW



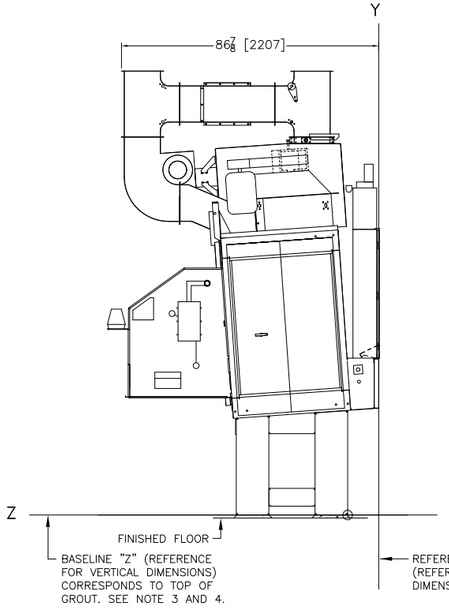
PLAN VIEW



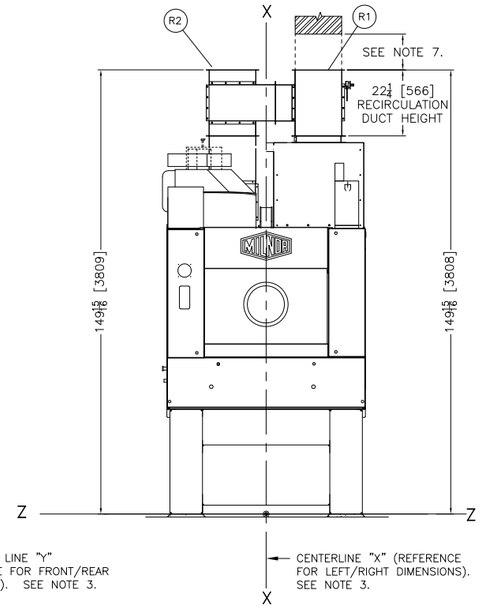
AIR INTAKE



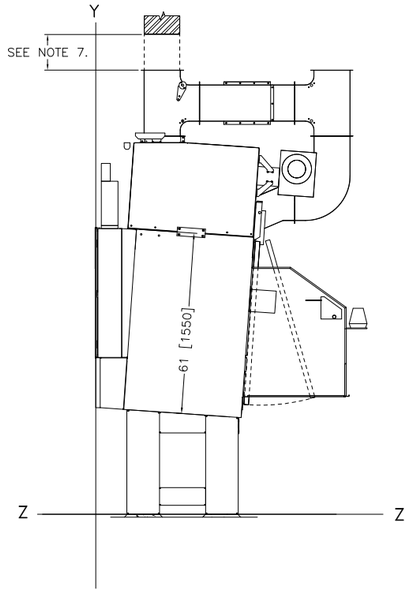
BLOWER EXHAUST



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
R1	AIR INTAKE TO BURNER – RECIRCULATION DUCTING
R2	AIR EXHAUST – RECIRCULATION DUCTING

NOTES

7 WHEN THE RECIRCULATION DUCT INLET IS NOT DUCTED, THERE MUST BE 8 FEET MINUS THE HEIGHT OF THE RECIRCULATION DUCT OF UNOBSTRUCTED VERTICAL CLEARANCE BETWEEN THE INLET AND ANY OBJECT ABOVE IT.

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48 [1219] IF OBJECT IS ANY LIVE PART.
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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5040TG2L + RECIRCULATION

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TG2LCC
2016236D

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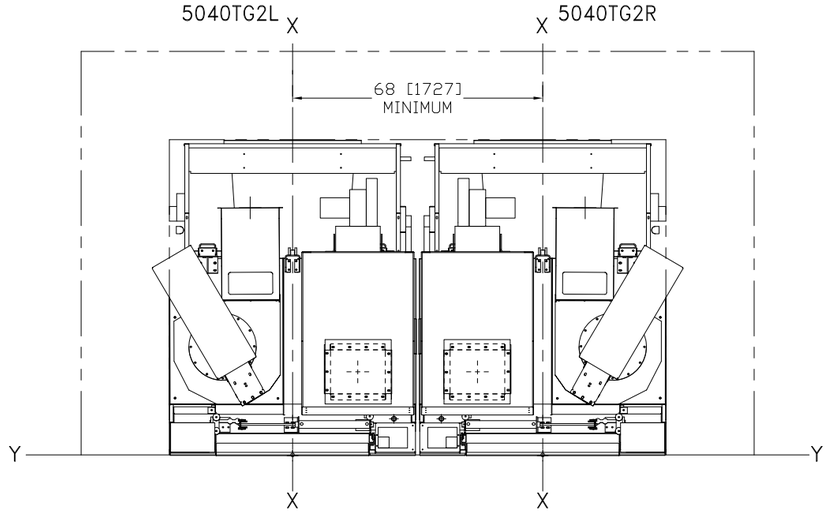
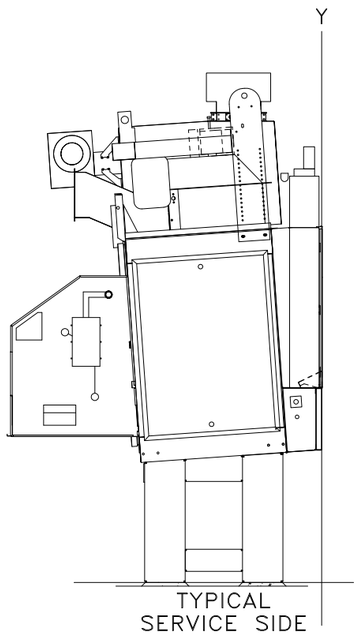
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3094, Email: milnorinfo@milnor.com

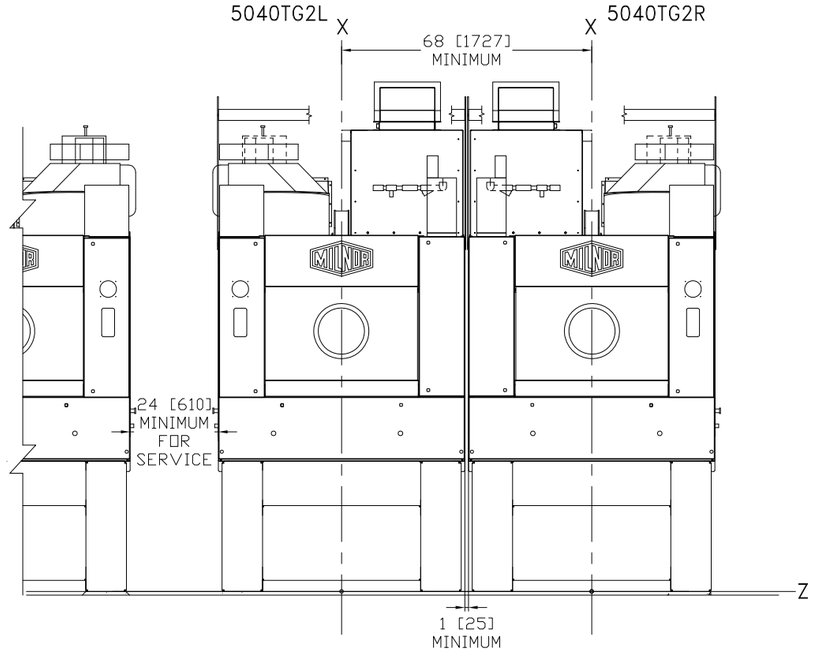


PLAN VIEW



TYPICAL
SERVICE SIDE

(BLOWER LEFT
MODEL SHOWN)
LEFT VIEW



FRONT VIEW
MIRRORED INSTALLATION

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5040TG2L & 5040TG2R PAIRED

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TG2PCE
2016236D

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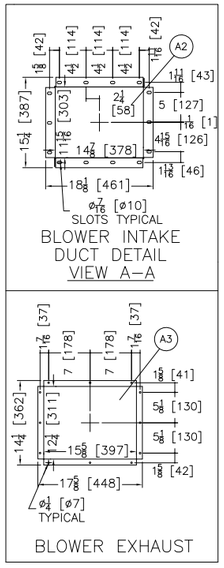
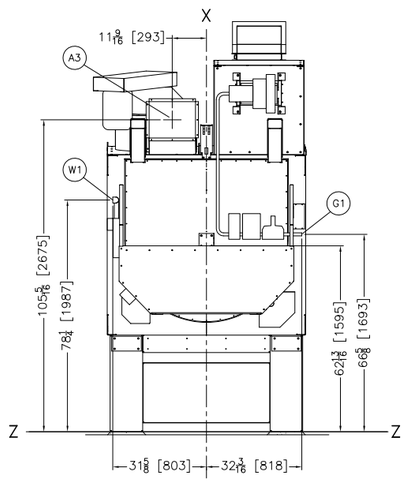
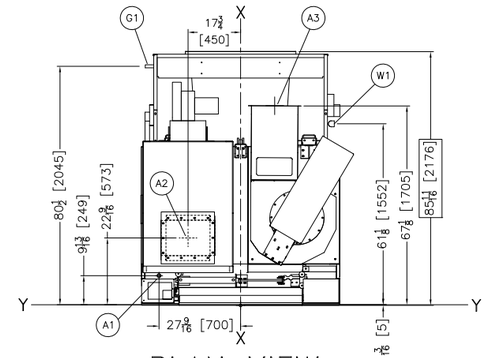
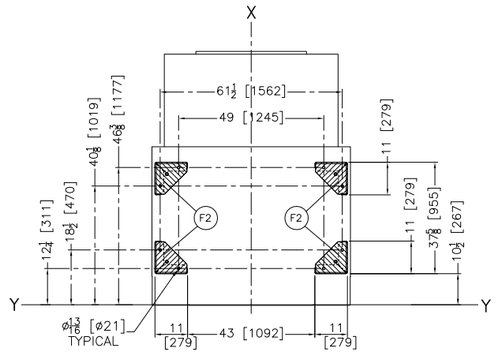
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3094, Email: milnorinfo@milnor.com

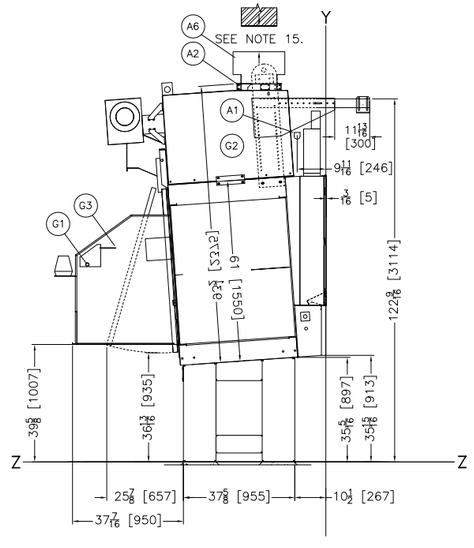
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5040TG2/TS1		USE THIS COSHA SIDE RAIL EXTENDERS		A 5040TG2 DRYERS	
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	–	–	0	0	0	0	0	0	57 1/2	1461
–	–	–	–	3 1/2	89	3 1/2	89	3 1/2	89	61	1549
–	–	–	–	10 1/2	267	10 1/2	267	10 1/2	267	68	1727
–	–	0	0	14	356	14	356	14	356	71 1/2	1816
–	–	3 1/2	89	17 1/2	445	17 1/2	445	17 1/2	445	75	1905
0	0	7	178	21	533	21	533	21	533	78 1/2	1994
3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	24 1/2	622	82	2083
10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	31 1/2	800	89	2261
17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	38 1/2	978	96	2438
24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	45 1/2	1156	103	2616
31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	52 1/2	1334	110	2794
38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	59 1/2	1511	117	2972
45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	66 1/2	1689	124	3150

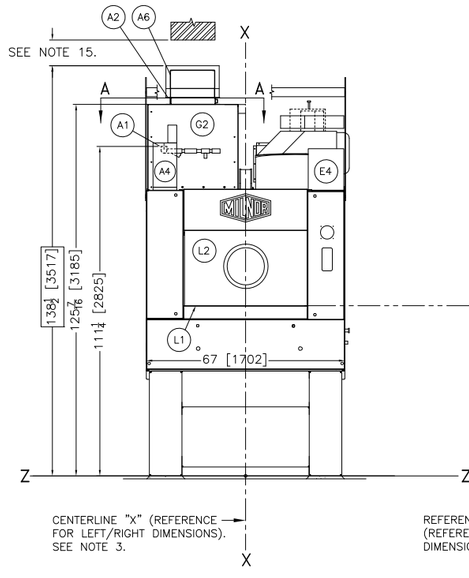


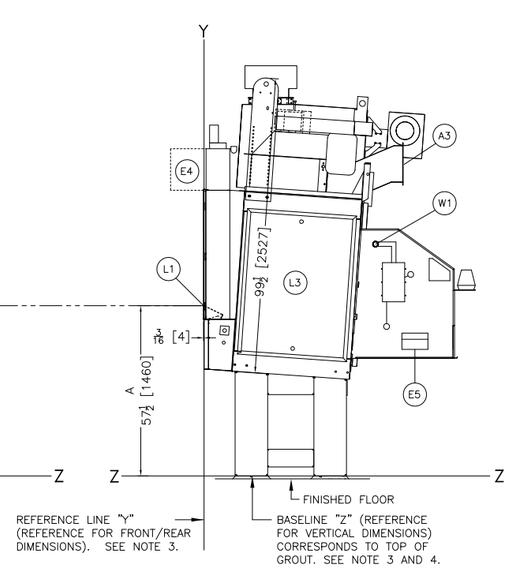


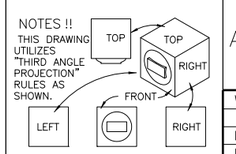








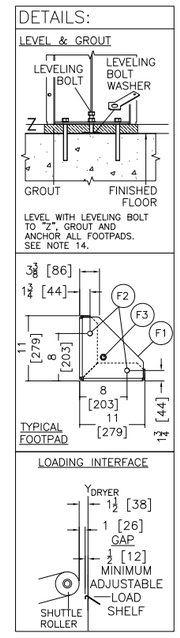




ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS TO THE PEDESTAL SPECIFIED.

ITEM	LEGEND
W1	SPRINKLER WATER CONNECTION, 1–1/4" NPT
T1	OPTIONAL BEACON
L3	ACCESS DOORS TO LINT FILTER
L2	LOAD DOOR OPENING SIZE: 42"(1067) WIDE BY 28"(711) HIGH FOR STANDARD DOOR.
L1	LOADING HEIGHT, LOAD SHELF
G3	GAS LINE VENT TO ATMOSPHERE, 1/8" STAINLESS TUBING
G2	BURNER UNIT
G1	MAIN GAS INLET, 1"NPT
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	BASE PLATES, 4 PLACES
F1	ANCHOR BOLT HOLES, 13/16" DIAMETER, 8 PLACES
E5	MANUAL CONTROLS
E4	MICROPROCESSOR BOX
E3	LOW VOLTAGE BOX
E2	HIGH VOLTAGE BOX
E1	MAIN ELECTRICAL CONNECTION
A6	BLOWER AIR INTAKE TEE, REMOVE ONLY WHEN DUCTING THE INTAKE
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	MAIN AIR INLET, 1" NPT CONNECTION

DETAILS:



NOTES

16 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

15 IF THE BLOWER INTAKE IS NOT DUCTED THERE MUST BE 8 FEET [2438] OF UNOBSTRUCTED VERTICAL CLEARANCE BETWEEN THE INLET AND ANY OBJECT ABOVE IT.

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 DRAWING SHOWS THE 5040TG1 DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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 FOR PROPER COMBUSTION BY THE BURNER. 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 PRE–PIPE ANY CLOSER THAN 60 [1524].

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

9 MINIMUM CLEARANCE FOR MAINTENANCE = 24"[610]. SOME JURISDICTIONS REQUIRE UP TO 30"(762) CLEARANCE. CONSULT LOCAL CODES. IN COSHA INSTALLATIONS MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY COSHA REQUIREMENT. SEE DRAWING BDSHTCLRBE FOR MINIMUM DIMENSION OF COSHA AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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

7 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING SO BLOWER MAY BE REMOVED FOR SERVICING IF NEEDED.

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5040TG2R

DWG# BD5040TG2RCE 2016236D

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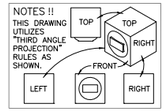
P.O. Box 400 Kenner, LA 70063, USA. Phone 504/467–9591, FAX 504/468–3094, Email: milnorinfo@milnor.com

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



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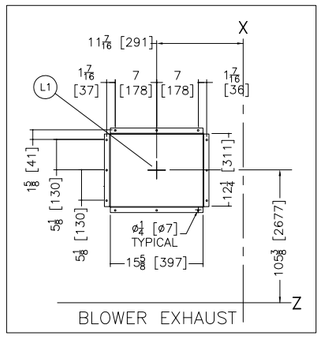
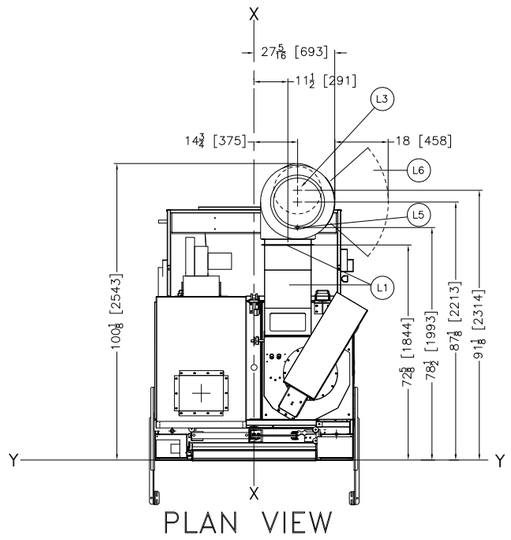
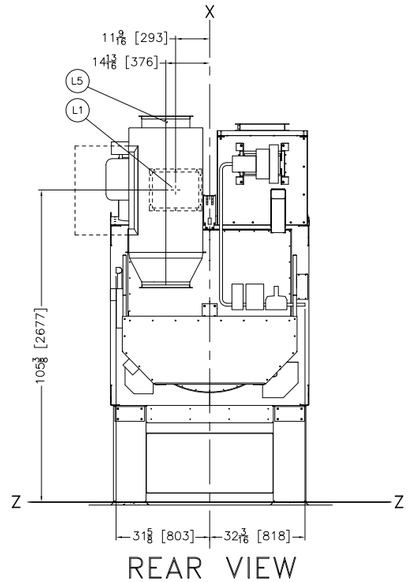
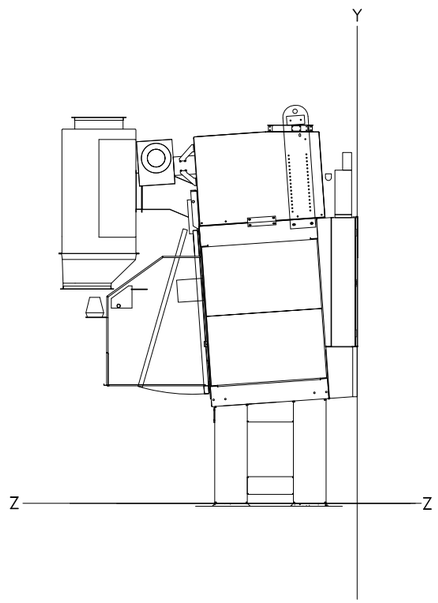




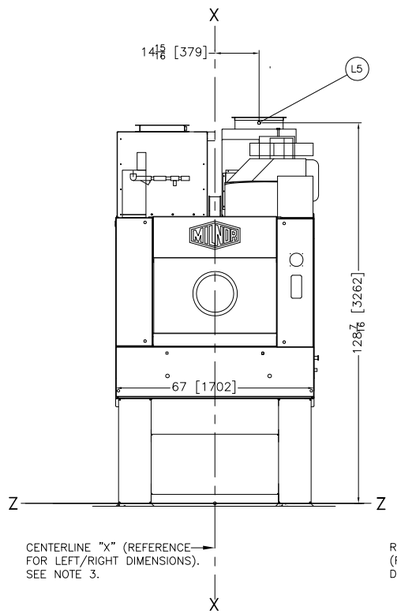
PLAN VIEW



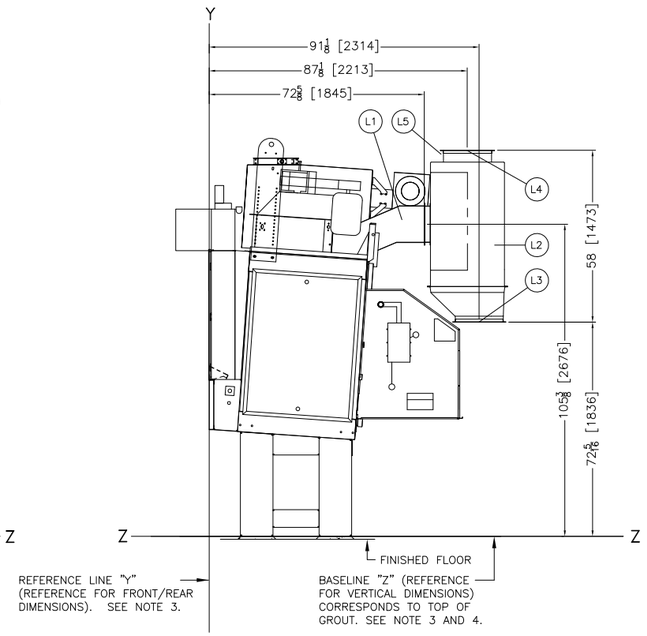
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

L6	HINGED ACCESS DOOR
L5	AIR INLET, 3/4" NPT
L4	EXHAUST DUCT, 16-3/4"[425] ID FLANGED OUTLET
L3	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	16"[406] ID FLANGED OUTLET
L2	MLF1004 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
L1	OPTIONAL EXHAUST DUCT TO ONBOARD LINT
ITEM	LEGEND

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5040TG2R + MLF1004

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TG2RCB
2016236D

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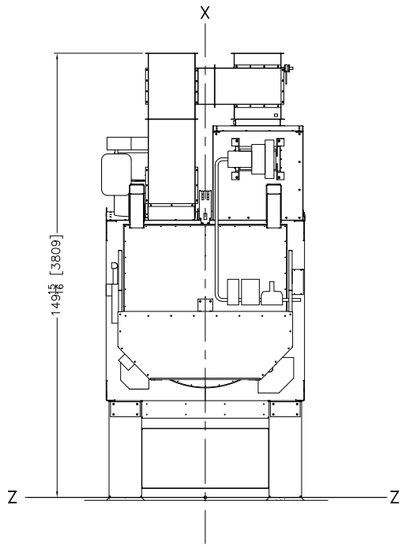
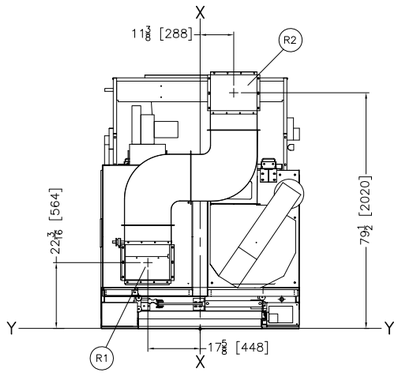
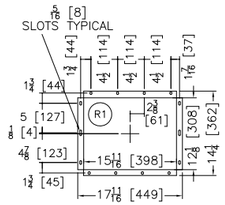


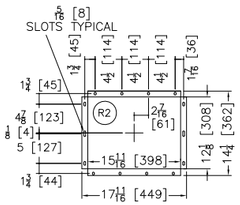
REAR VIEW



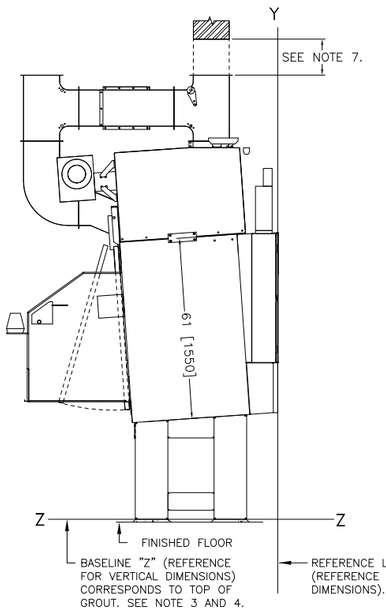
PLAN VIEW



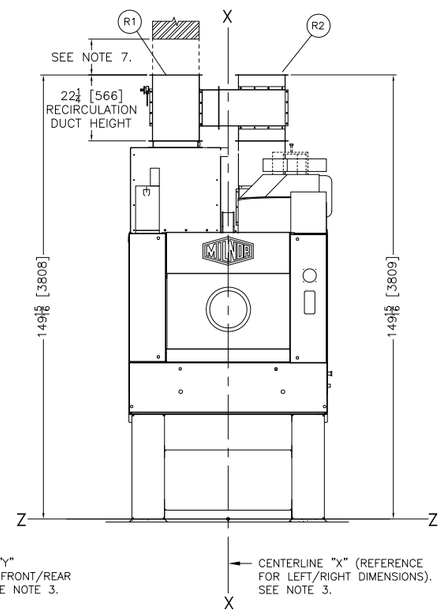
AIR INTAKE



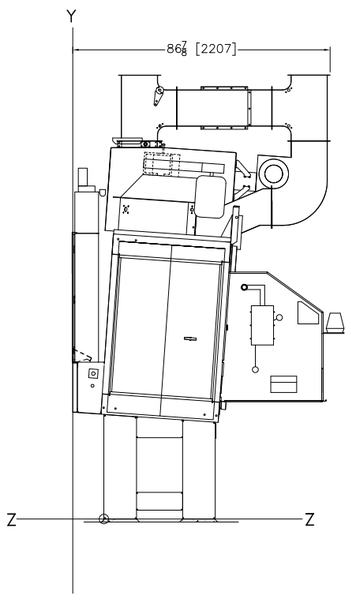
BLOWER EXHAUST



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
R1	AIR INTAKE TO BURNER – RECIRCULATION DUCTING
R2	AIR EXHAUST – RECIRCULATION DUCTING

NOTES

7 WHEN THE RECIRCULATION DUCT INLET IS NOT DUCTED, THERE MUST BE 8 FEET MINUS THE HEIGHT OF THE RECIRCULATION DUCT OF UNOBSTRUCTED VERTICAL CLEARANCE BETWEEN THE INLET AND ANY OBJECT ABOVE IT.

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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5040TG2R+ RECIRCULATION

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TG2RCC
2016236D

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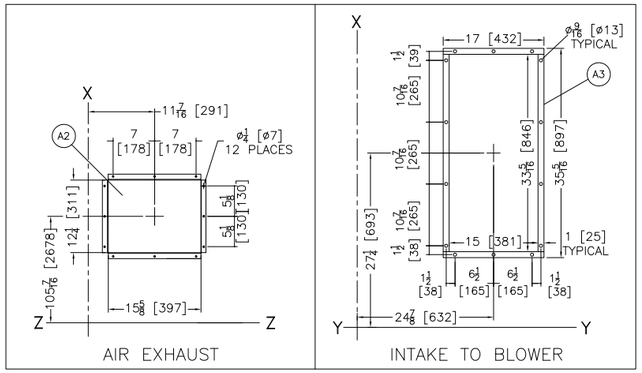
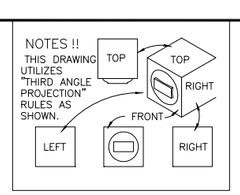
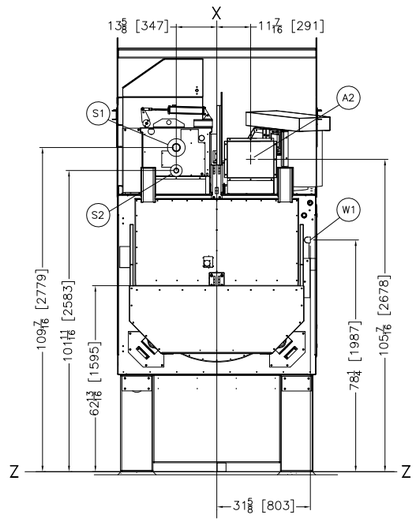


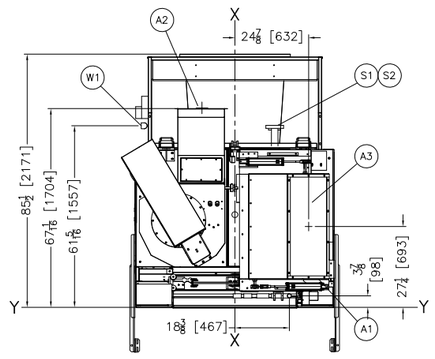
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5040TG2L/TS2L		USE THIS COSHA SIDE RAIL EXTENDERS		A 5040TS2 DRYERS	
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	–	–	0	0	0	0	0	0	57 1/2	1461
–	–	–	–	3 1/2	89	3 1/2	89	3 1/2	89	61	1549
–	–	–	–	10 1/2	267	10 1/2	267	10 1/2	267	68	1727
–	–	0	0	14	356	14	356	14	356	71 1/2	1816
–	–	3 1/2	89	17 1/2	445	17 1/2	445	17 1/2	445	75	1905
0	0	7	178	21	533	21	533	21	533	78 1/2	1994
3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	24 1/2	622	82	2083
10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	31 1/2	800	89	2261
17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	38 1/2	978	96	2438
24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	45 1/2	1156	103	2616
31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	52 1/2	1334	110	2794
38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	59 1/2	1511	117	2972
45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	66 1/2	1689	124	3150



ITEM	LEGEND
W1	SPRINKLER WATER CONNECTION, 1–1/4" NPT
T1	OPTIONAL BEACON
S2	STEAM CONDENSATE RETURN, 1" FLANGED CONNECTION
S1	STEAM INLET, 2" FLANGED CONNECTION
L5	OPTIONAL LOAD SHELF FOR LOOSE GOODS SHUTTLES THAT STICK TO DISCHARGE ONLY.
L3	ACCESS DOORS TO OPTIONAL INTERNAL LINT FILTER
L2	LOAD DOOR OPENING SIZE: 42"(1067) WIDE BY 28"(711) HIGH FOR STANDARD DOOR.
L1	LOADING HEIGHT, LOAD SHELF
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	BASE PLATES, 4 PLACES
F1	ANCHOR BOLT HOLES, 13/16" DIAMETER, 8 PLACES
E5	MANUAL CONTROLS
E4	MICROPROCESSOR BOX
E3	LOW VOLTAGE BOX
E2	HIGH VOLTAGE BOX
E1	MAIN ELECTRICAL CONNECTION
A4	AIR VALVE BOX
A3	MAIN AIR INTAKE TO BLOWER WITH SCREEN, SEE NOTE 15.
A2	AIR EXHAUST
A1	COMPRESSED AIR INLET, 1" NPT CONNECTION

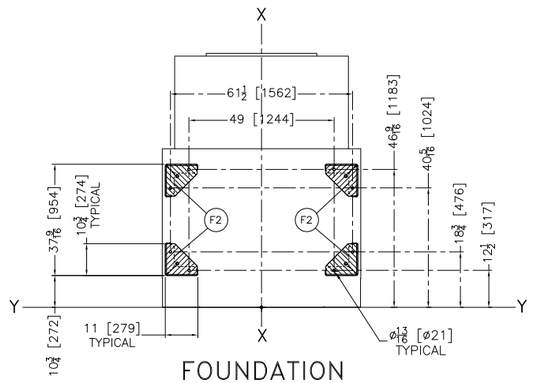


REAR VIEW

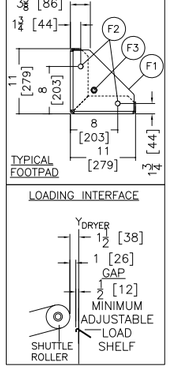


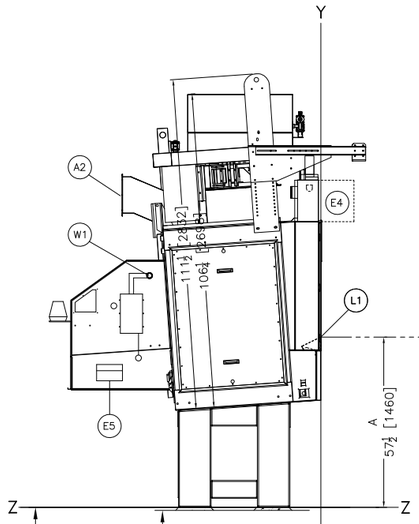
PLAN VIEW

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 13.

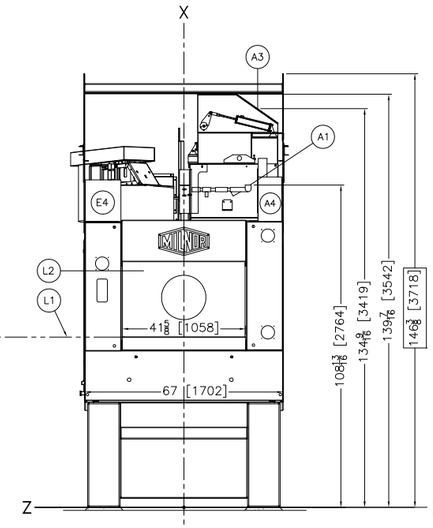


FOUNDATION PLAN VIEW

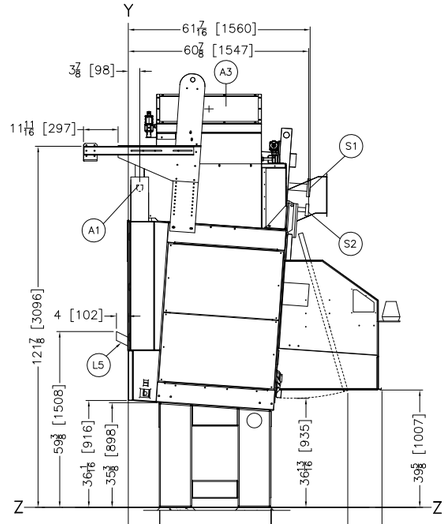




LEFT VIEW



FRONT VIEW



RIGHT VIEW

NOTES

16 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

15 THE MAIN AIR INTAKE ON THE STEAM BOX HAS A SCREEN ON THE ENTRY. CONTACT PMC ENGINEERING FOR OUTSIDE DUCTING.

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 DRAWING SHOWS THE DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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 FOR PROPER COMBUSTION BY THE BURNER. 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 PRE–PIPE ANY CLOSER THAN 60 [1524].

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

9 MINIMUM CLEARANCE FOR MAINTENANCE = 24"[610]. SOME JURISDICTIONS REQUIRE UP TO 30"(762) CLEARANCE. CONSULT LOCAL CODES. IN COSHA INSTALLATIONS MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY COSHA REQUIREMENT. SEE DRAWING BDSHTCLRBE FOR MINIMUM DIMENSION OF COSHA AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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

7 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING SO BLOWER MAY BE REMOVED FOR SERVICING IF NEEDED.

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5040TS2L

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TS2LEE 2016236D

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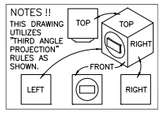
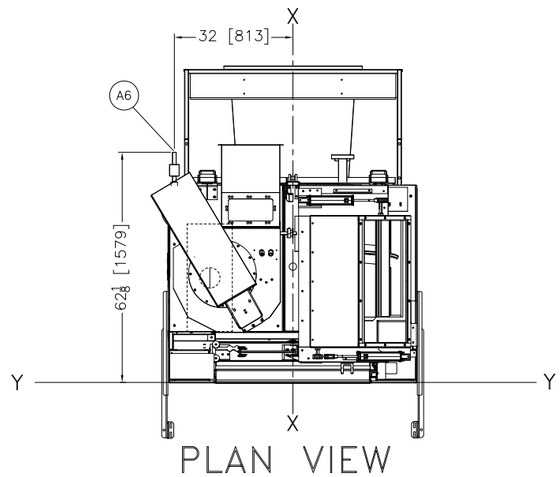
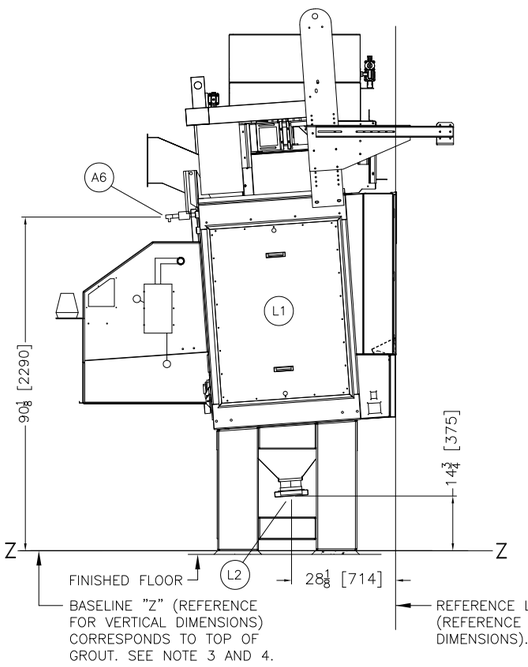


ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTES 8 & 10.)

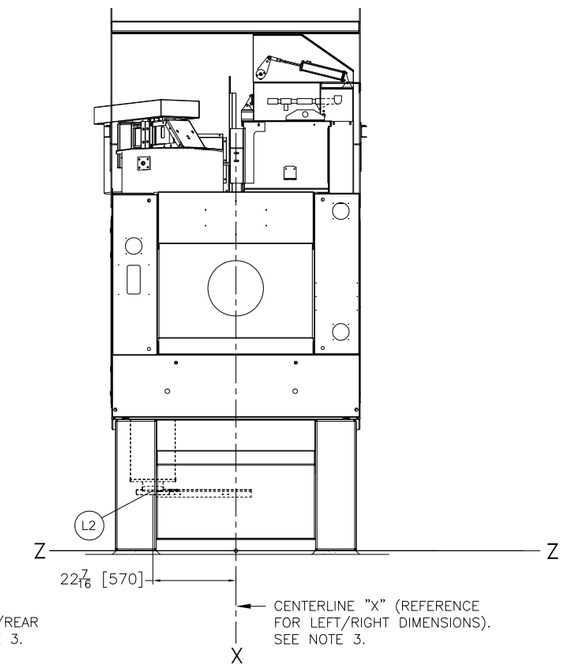
AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED



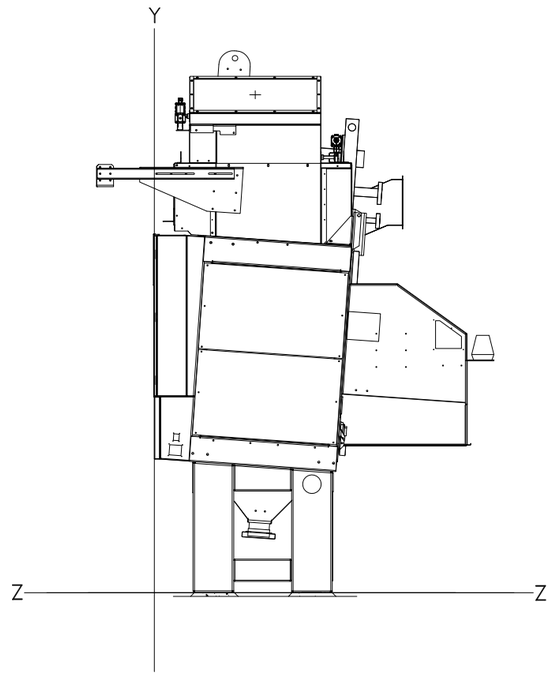
PLAN VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL INTERNAL LINT SCREEN. PIPES TO DRYVAC OR LINT COLLECTOR BY OTHERS. SEE NOTES AND DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANEL
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
ITEM	LEGEND

NOTES

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

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

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

7 THIS DRAWING SHOWS THE 5040TG1 DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

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48 [1219] IF OBJECT IS ANY LIVE PART.
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ATTENTION

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ATTENTION

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5040TS2L OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TS2LEB
2016236D

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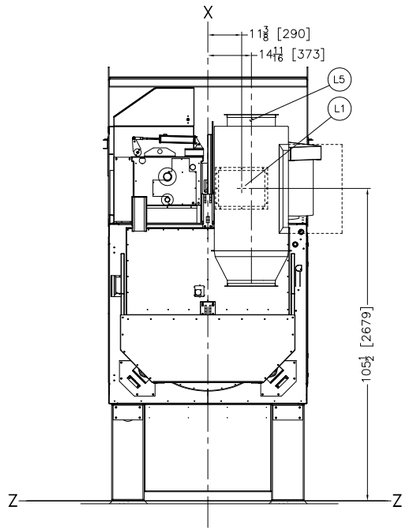
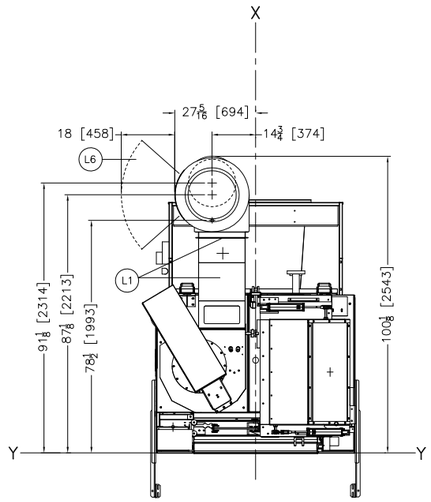
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467–9591,
FAX 504/468–3094, Email: milnorinfo@milnor.com

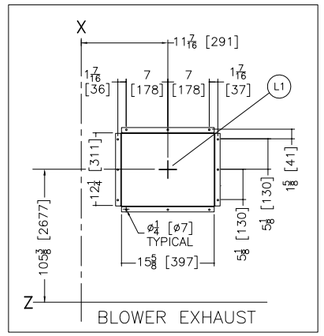


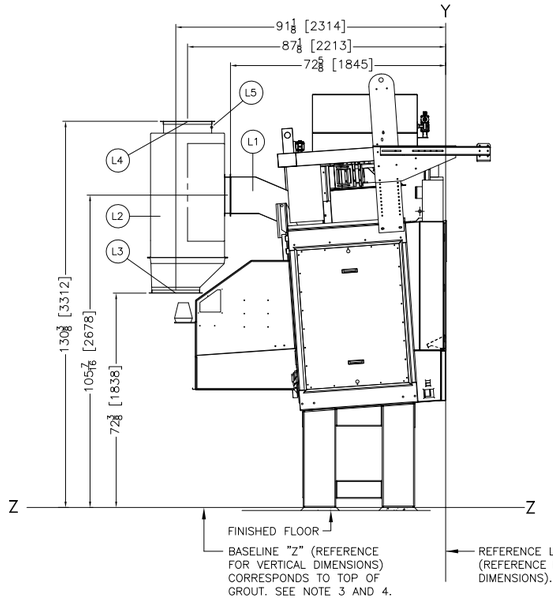
REAR VIEW



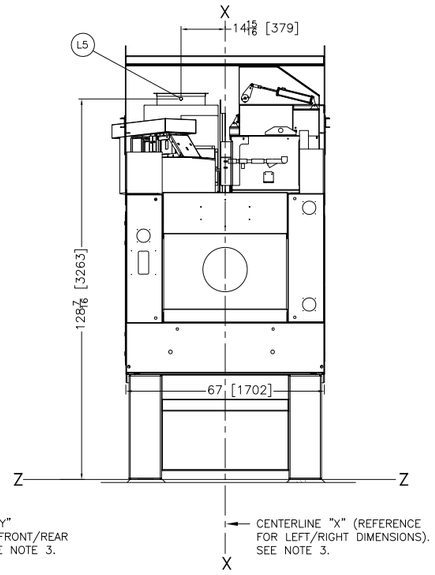
PLAN VIEW

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 13.

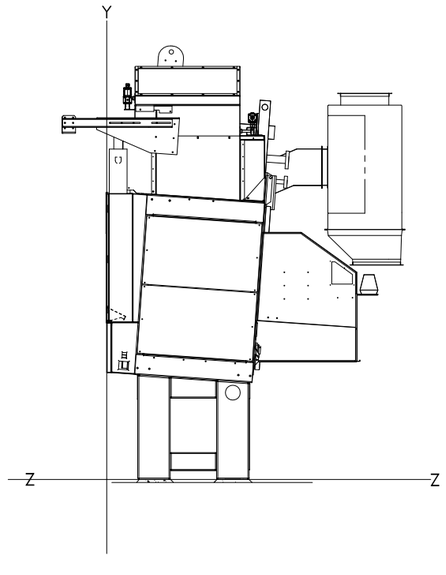




LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	AIR INLET, 3/4" NPT
L4	EXHAUST DUCT, 16-3/4"[425] ID FLANGED OUTLET
L3	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	16"[406] ID FLANGED OUTLET
L2	MLF1004 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
L1	OPTIONAL EXHAUST DUCT TO ONBOARD LINT

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5040TS2L & MLF1004

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TS2LEC 2016236D

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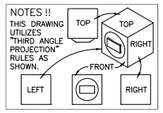
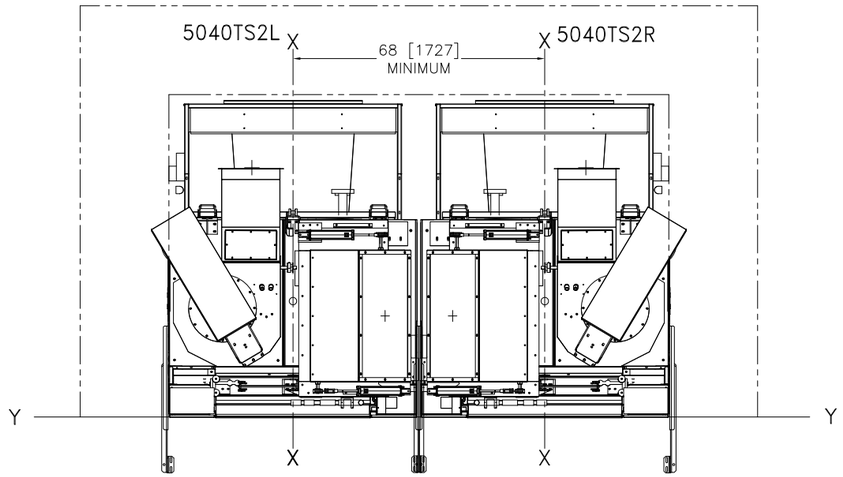
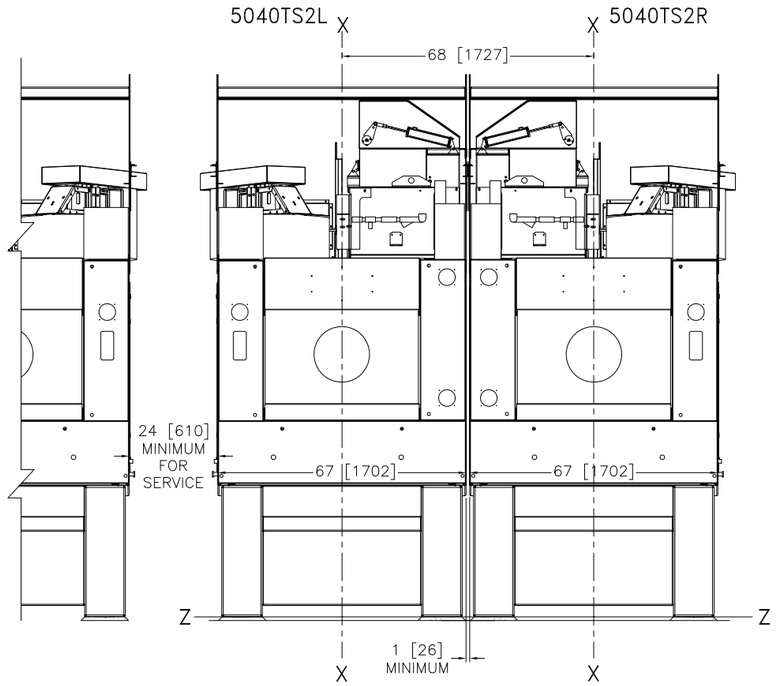




PLAN VIEW



FRONT VIEW
MIRRORED INSTALLATION

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5040TS2L & 5040TS2R PAIRED

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TS2PEE
2016236D

PELLERIN MILNOR CORPORATION
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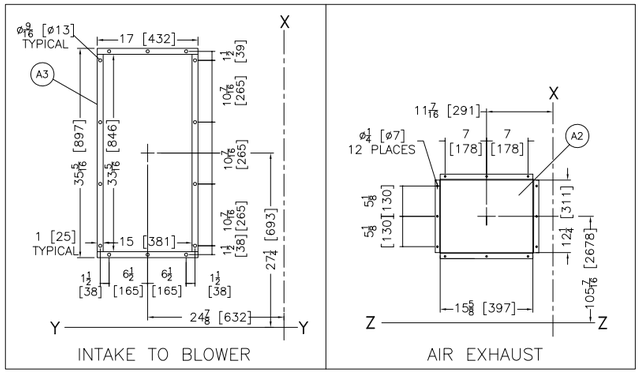
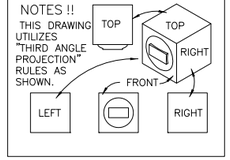
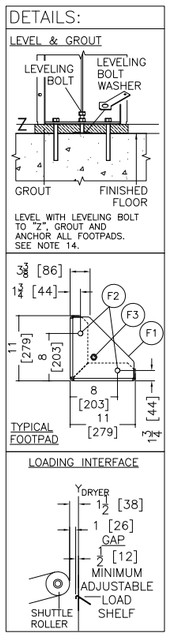
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5040TG2L/TS2L		USE THIS COSHA SIDE RAIL EXTENDERS		A 5040TS2 DRYERS	
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	–	–	0	0	0	0	0	0	57 1/2	1461
–	–	–	–	3 1/2	89	3 1/2	89	3 1/2	89	61	1549
–	–	–	–	10 1/2	267	10 1/2	267	10 1/2	267	68	1727
–	–	0	0	14	356	14	356	14	356	71 1/2	1816
–	–	3 1/2	89	17 1/2	445	17 1/2	445	17 1/2	445	75	1905
0	0	7	178	21	533	21	533	21	533	78 1/2	1994
3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	24 1/2	622	82	2083
10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	31 1/2	800	89	2261
17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	38 1/2	978	96	2438
24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	45 1/2	1156	103	2616
31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	52 1/2	1334	110	2794
38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	59 1/2	1511	117	2972
45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	66 1/2	1689	124	3150

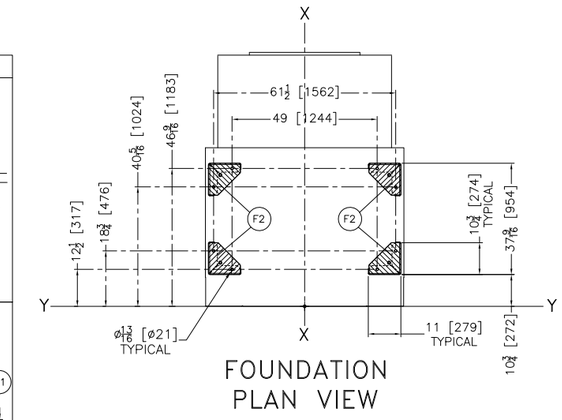


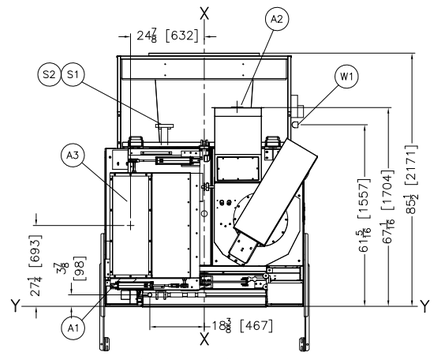


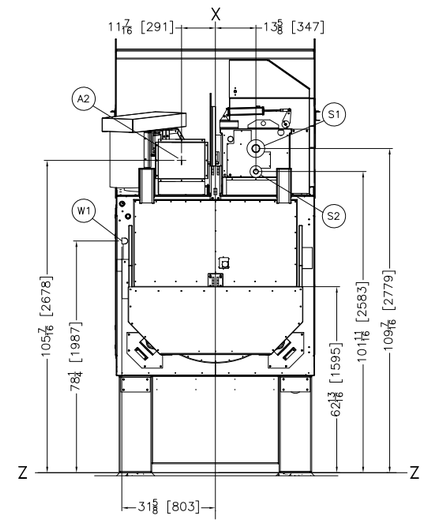
W1	SPRINKLER WATER CONNECTION, 1–1/4" NPT
T1	OPTIONAL BEACON
S2	STEAM CONDENSATE RETURN, 1" FLANGED CONNECTION
S1	STEAM INLET, 2" FLANGED CONNECTION
L5	OPTIONAL LOAD SHELF FOR LOOSE GOODS SHUTTLES THAT
	STICK TO DISCHARGE ONLY.
L3	ACCESS DOORS TO OPTIONAL INTERNAL LINT FILTER
L2	LOAD DOOR OPENING SIZE: 42"(1067) WIDE BY 28"(711)
	HIGH FOR STANDARD DOOR.
L1	LOADING HEIGHT, LOAD SHELF
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	BASE PLATES, 4 PLACES
F1	ANCHOR BOLT HOLES, 13/16" DIAMETER, 8 PLACES
E5	MANUAL CONTROLS
E4	MICROPROCESSOR BOX
E3	LOW VOLTAGE BOX
E2	HIGH VOLTAGE BOX
E1	MAIN ELECTRICAL CONNECTION
A4	AIR VALVE BOX
A3	MAIN AIR INTAKE TO BLOWER WITH SCREEN, SEE NOTE 15.
A2	AIR EXHAUST
A1	COMPRESSED AIR INLET, 1" NPT CONNECTION
ITEM	LEGEND

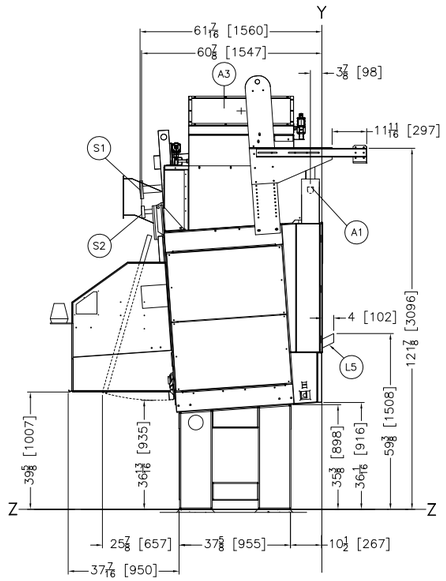
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 13.

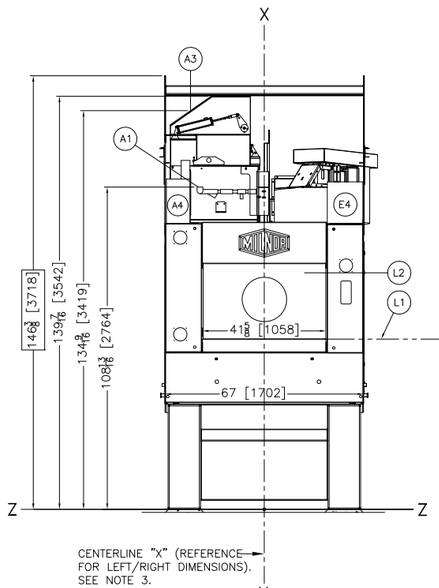


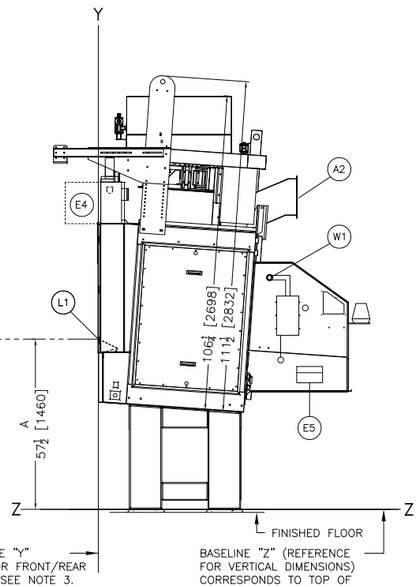












NOTES

16 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

15 THE MAIN AIR INTAKE ON THE STEAM BOX HAS A SCREEN ON THE ENTRY. CONTACT PMC ENGINEERING FOR OUTSIDE DUCTING.

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 DRAWING SHOWS THE DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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 FOR PROPER COMBUSTION BY THE BURNER. 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 PRE–PIPE ANY CLOSER THAN 60 [1524].

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

9 MINIMUM CLEARANCE FOR MAINTENANCE = 24"[610]. SOME JURISDICTIONS REQUIRE UP TO 30"(762) CLEARANCE. CONSULT LOCAL CODES. IN COSHA INSTALLATIONS MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY COSHA REQUIREMENT. SEE DRAWING BDSHTCLRBE FOR MINIMUM DIMENSION OF COSHA AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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

7 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING SO BLOWER MAY BE REMOVED FOR SERVICING IF NEEDED.

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5040TS2R

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TS2REE 2016236D

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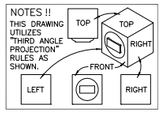
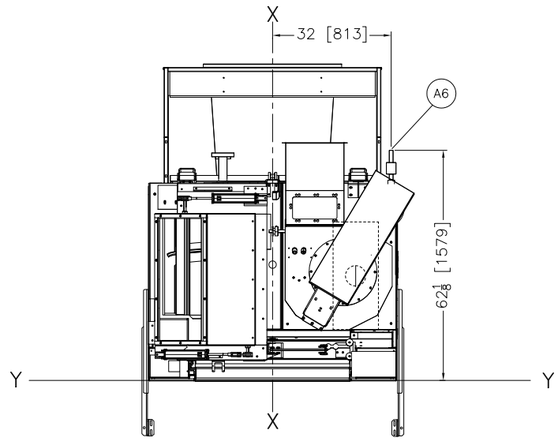
FAX 504/469–1849, Email: milnorinfo@milnor.com

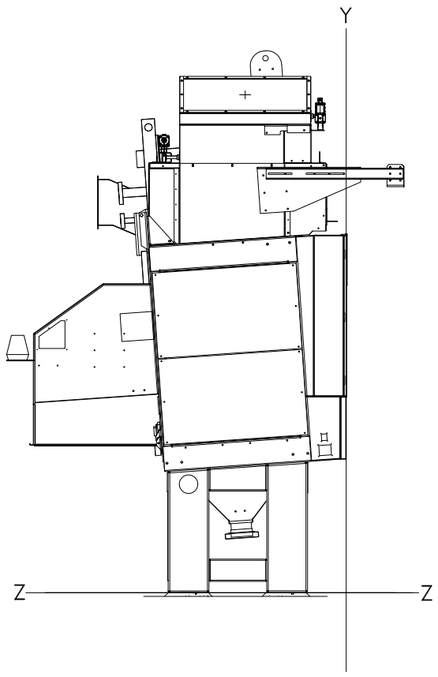


ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTES 8 & 10.)

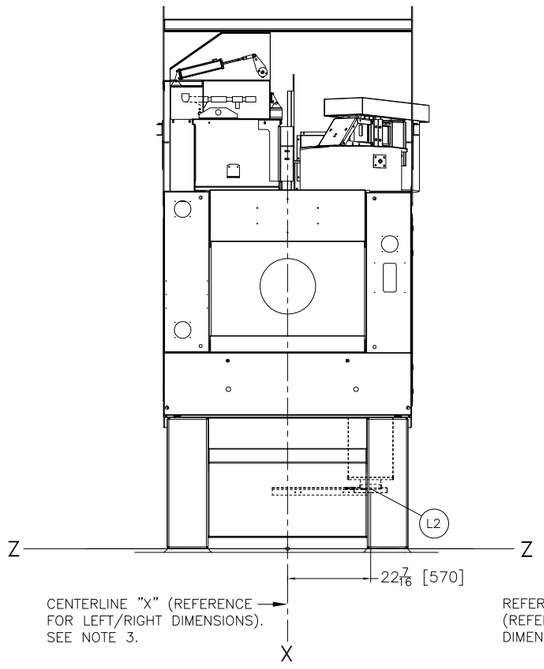
AIR PRESSURE REQUIREMENTS: 85–110 PSI
CONNECTION (A2): 1"NPT
AIR USAGE (ESTIMATED):
110 SCF IN 15 SECONDS WHEN ACTIVATED



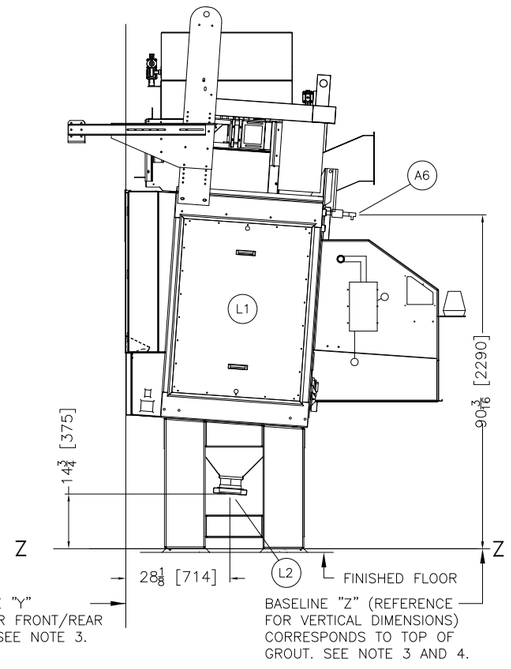
PLAN VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL INTERNAL LINT SCREEN. PIPES TO DRYVAC OR LINT COLLECTOR BY OTHERS. SEE NOTES AND DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANEL
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
ITEM	LEGEND

NOTES

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

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

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

7 THIS DRAWING SHOWS THE 5040TG1 DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)1.75"[44] INCREMENTS. 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.

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5040TS2R OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TS2REB
2016236D

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ADJUST ALL VERTICAL DIMENSIONS
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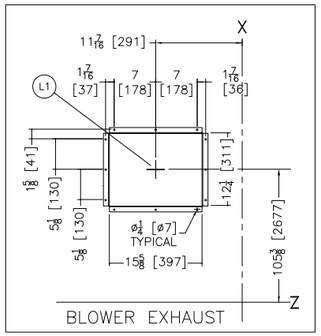
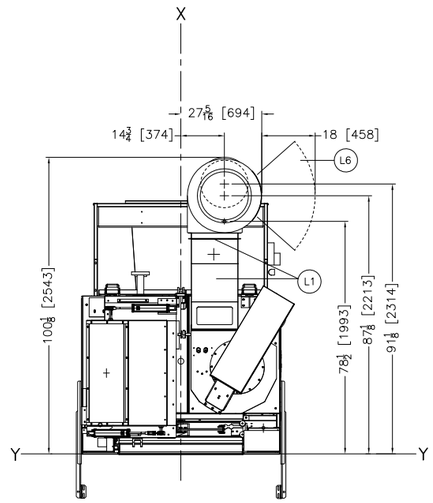
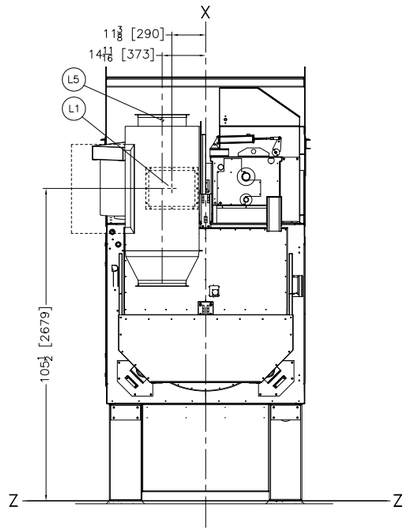
SEE NOTE 13.

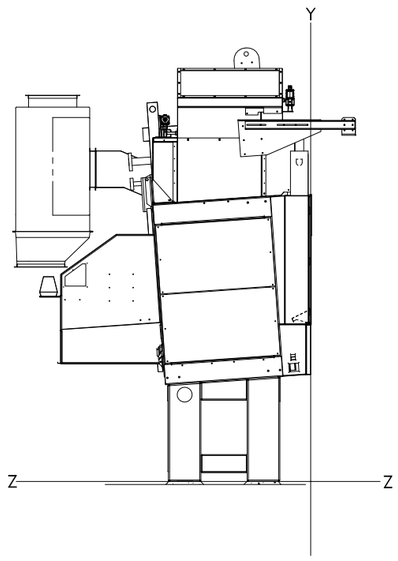




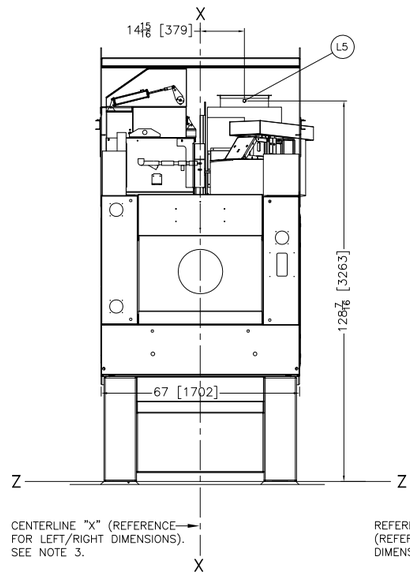
PLAN VIEW



REAR VIEW



LEFT VIEW



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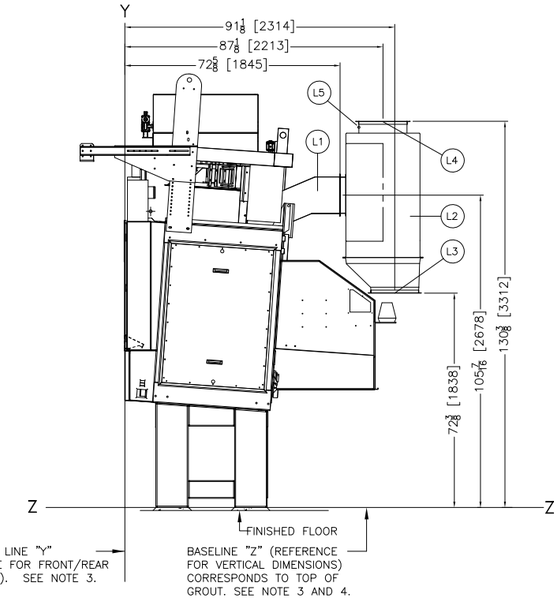

RIGHT VIEW

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	AIR INLET, 3/4" NPT
L4	EXHAUST DUCT, 16-3/4"[425] ID FLANGED OUTLET
L3	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE 16"[406] ID FLANGED OUTLET
L2	MLF1004 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
L1	OPTIONAL EXHAUST DUCT TO ONBOARD LINT

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5040TS2R & MLF1004

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5040TS2REC
20142262D

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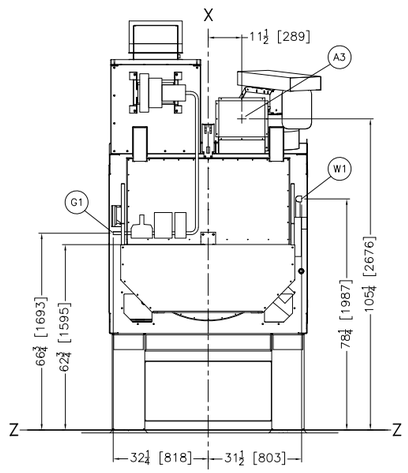
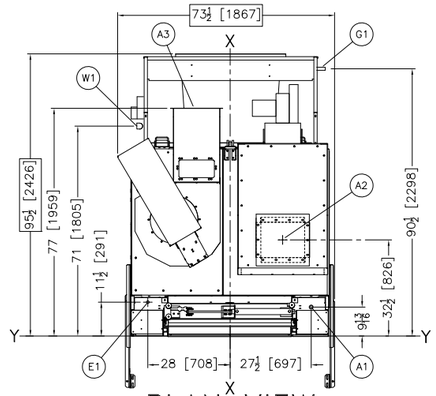
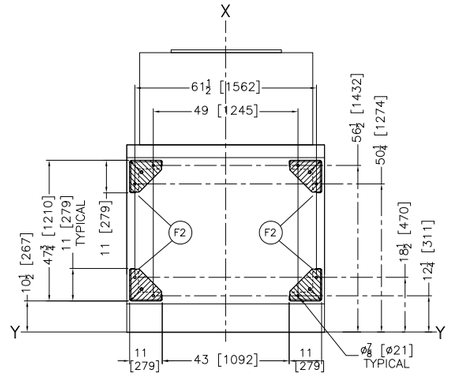


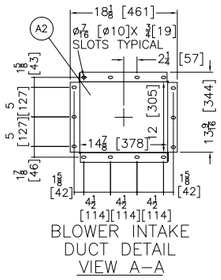
REAR VIEW



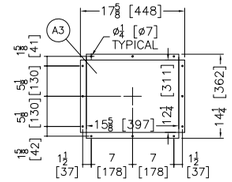
PLAN VIEW



FOUNDATION PLAN VIEW

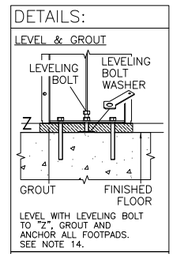


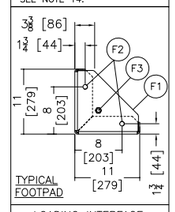
BLOWER INTAKE
DUCT DETAIL
VIEW A–A

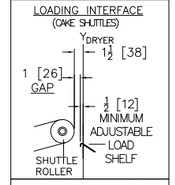


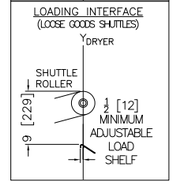
BLOWER EXHAUST
DUCT TO REAR
DETAIL

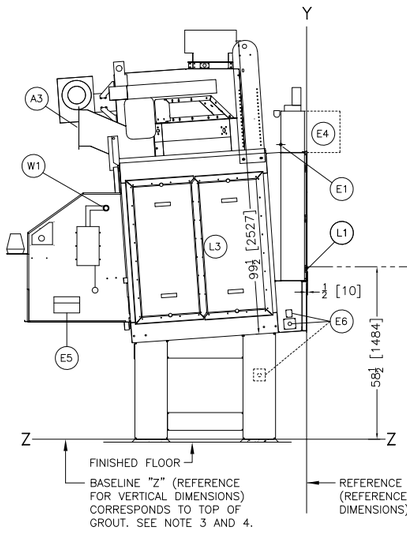
DETAILS:



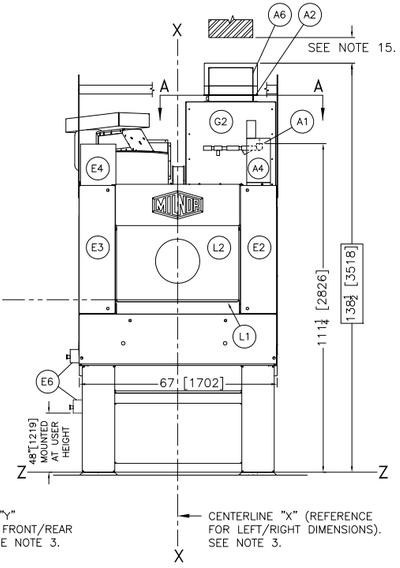




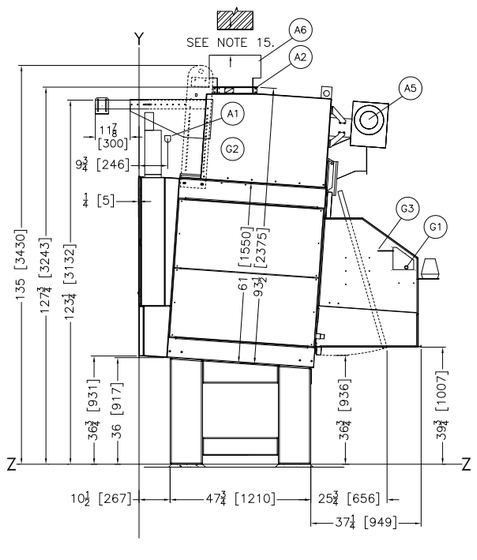




LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
W1	SPRINKLER WATER CONNECTION, 1–1/4" NPT
T1	OPTIONAL BEACON
L3	ACCESS DOORS TO LINT FILTER
L2	LOAD DOOR OPENING SIZE: 42"(1067) WIDE BY 28"(711)
	HIGH FOR STANDARD DOOR.
L1	LOADING HEIGHT, LOAD SHELF
G3	GAS LINE VENT TO ATMOSPHERE, 1/8" STAINLESS TUBING
G2	BURNER UNIT
G1	MAIN GAS INLET, 1"NPT
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	BASE PLATES, 4 PLACES
F1	ANCHOR BOLT HOLES, 13/16" DIAMETER, 8 PLACES
E6	EMERGENCY STOP & DOOR OPEN CONTROLS
E5	MANUAL CONTROLS
E4	MICROPROCESSOR BOX
E3	LOW VOLTAGE BOX
E2	HIGH VOLTAGE BOX
E1	MAIN ELECTRICAL CONNECTION
A6	BLOWER AIR INTAKE TEE, REMOVE ONLY WHEN DUCTING
	THE INTAKE
A5	COMBUSTION AIR INTAKE BOX WITH FILTERS
A4	AIR VALVE BOX
A3	BLOWER EXHAUST
A2	BLOWER INTAKE
A1	MAIN AIR INLET, 1" NPT CONNECTION

NOTES

16 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

15 IF THE BLOWER INTAKE IS NOT DUCTED THERE MUST BE 8 FEET [438] OF UNOBSTRUCTED VERTICAL CLEARANCE BETWEEN THE INLET AND ANY OBJECT ABOVE IT.

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 DRAWING SHOWS THE 5040TG1 DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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 FOR PROPER COMBUSTION BY THE BURNER. 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 PRE–PIPE ANY CLOSER THAN 60 [1524].

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

9 MINIMUM CLEARANCE FOR MAINTENANCE = 24"[610]. SOME JURISDICTIONS REQUIRE UP TO 30"(762) CLEARANCE. CONSULT LOCAL CODES. IN COSHA INSTALLATIONS MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY COSHA REQUIREMENT. SEE DRAWING BDSHTCLRBE FOR MINIMUM DIMENSION OF COSHA AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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

7 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING SO BLOWER MAY BE REMOVED FOR SERVICING IF NEEDED.

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5050TG1L

DM 0 0.5M
INCHES 0 12 24

DWG# BD5050TG1LCE 2022086D

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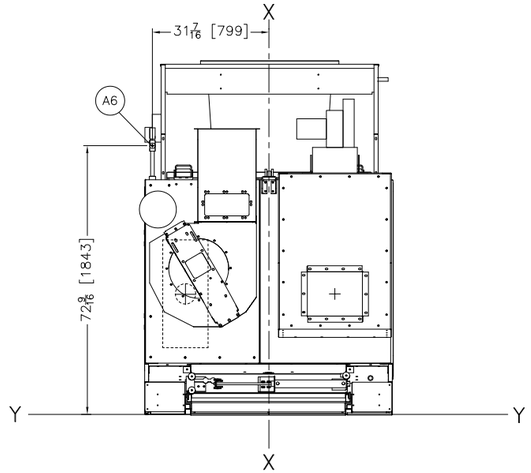
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467–9591,
FAX 504/468–3094, Email: milnorinfo@milnor.com

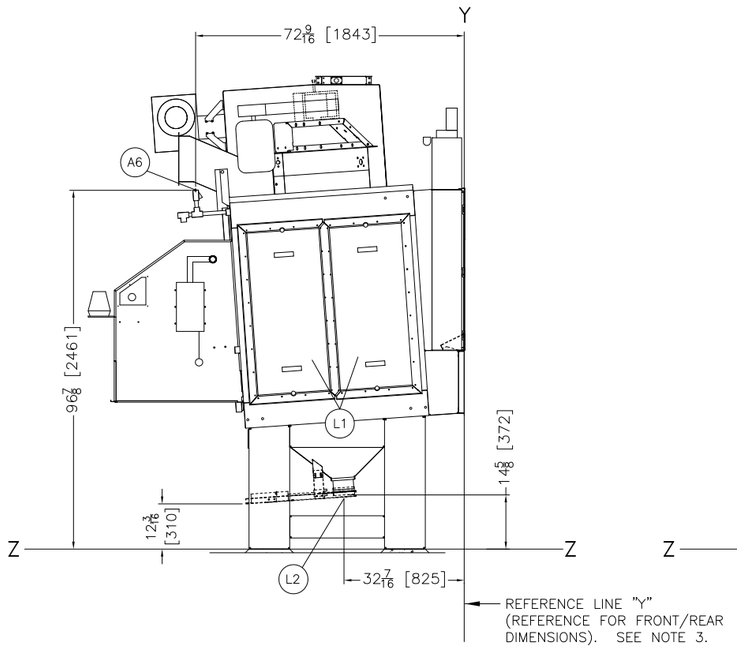
ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTES 8 &10.)

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

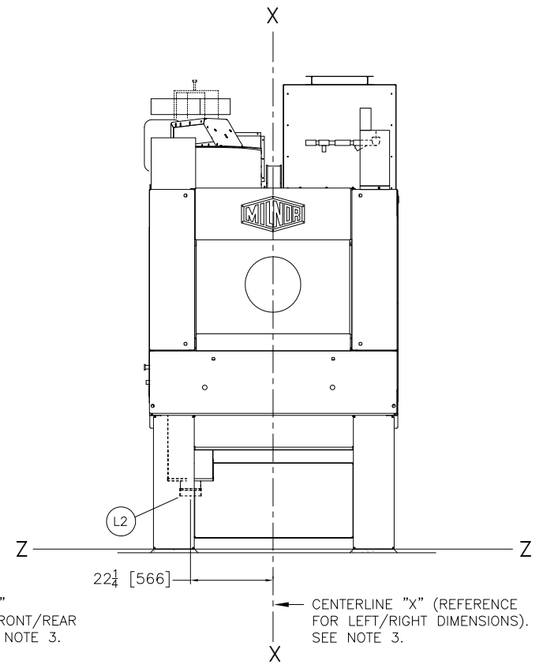
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.



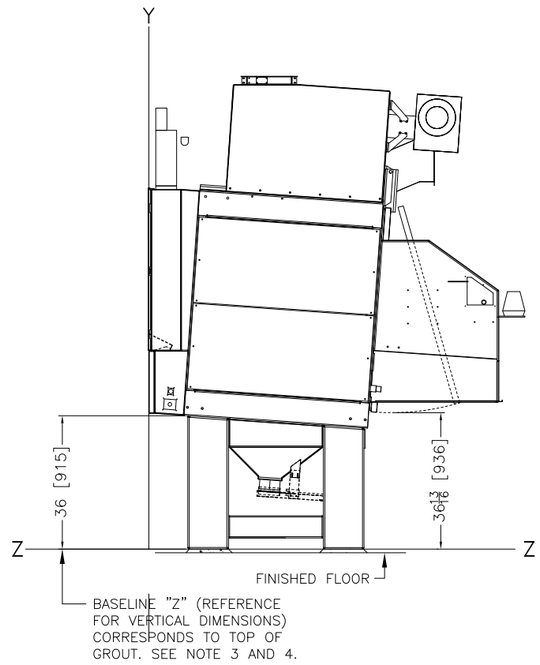
PLAN VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL INTERNAL LINT SCREEN. PIPES TO DRYVAC OR LINT COLLECTOR BY OTHERS. SEE NOTES AND DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS

NOTES

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

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

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

7 THIS DRAWING SHOWS THE 5040TG1 DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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5050TG1L OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TG1LCB
2016236D

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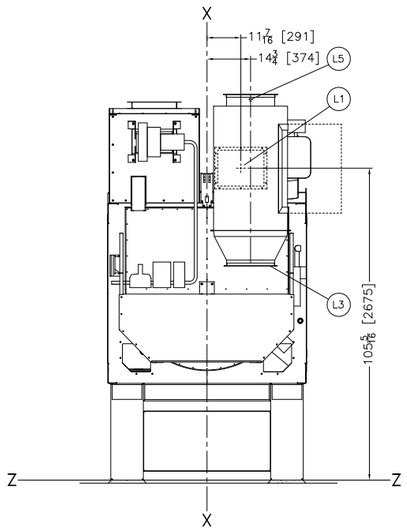
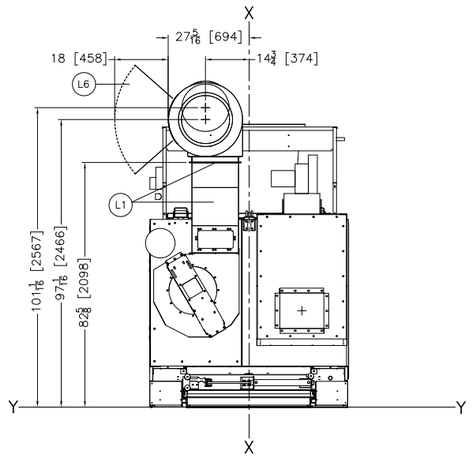
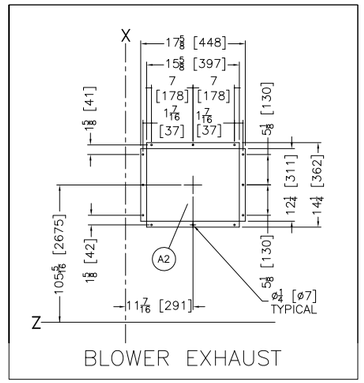


REAR VIEW

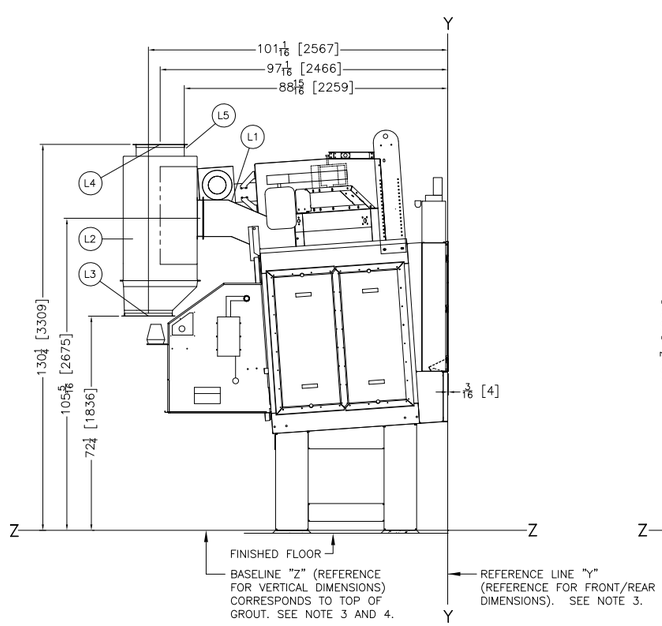


PLAN VIEW

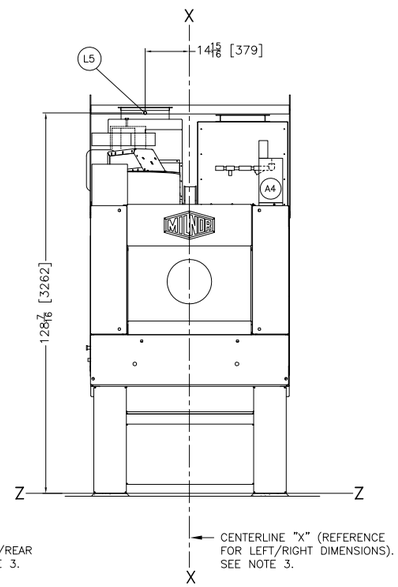
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.



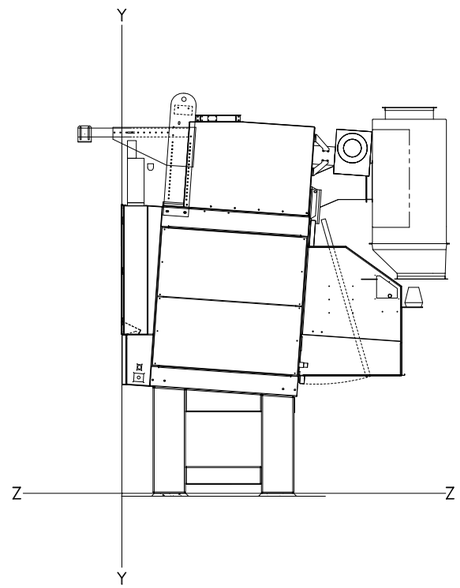
BLOWER EXHAUST



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	AIR INLET, 3/4" NPT
L4	EXHAUST DUCT, 16-3/4"[425] ID FLANGED OUTLET
L3	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	16"[406] ID FLANGED OUTLET
L2	MLF1004 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
L1	OPTIONAL EXHAUST DUCT TO ONBOARD LINT

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5050TG1L + MLF1004

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TG1LCC
2016236D

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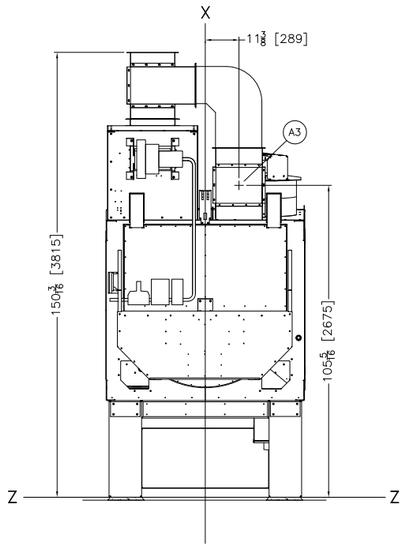
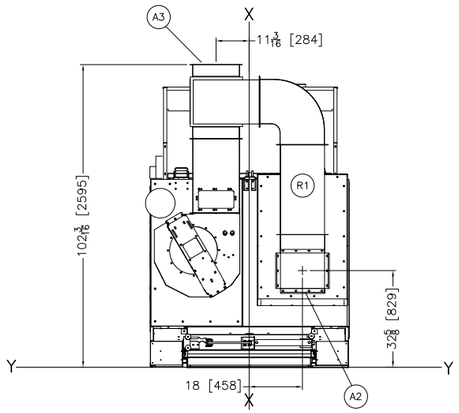
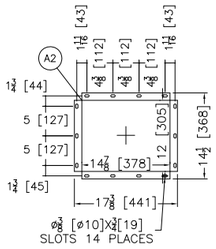


REAR VIEW

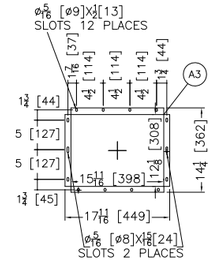
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.



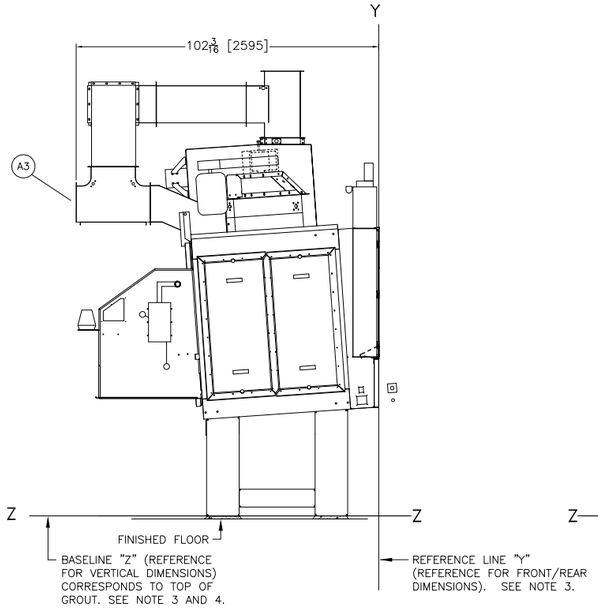
PLAN VIEW



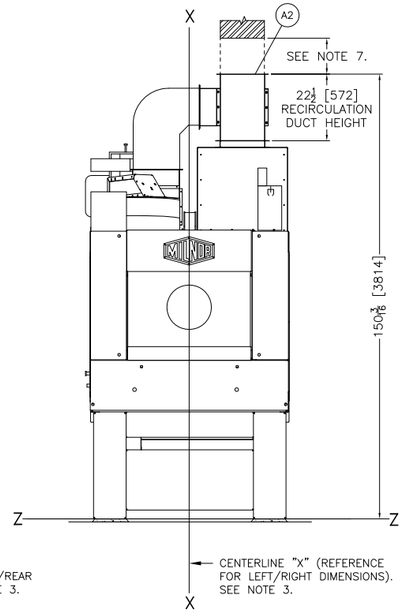
RECIRCULATION DUCT BLOWER INTAKE DETAIL



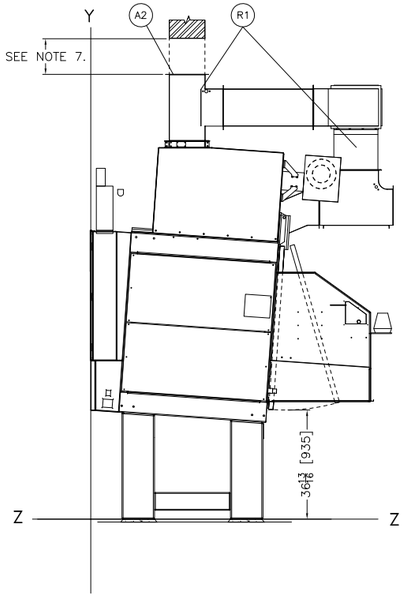
RECIRCULATION DUCT BLOWER EXHAUST TO REAR DETAIL



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
R1	RECIRCULATION DUCTING
A3	RECIRCULATION DUCT BLOWER EXHAUST
A2	RECIRCULATION DUCT BLOWER INTAKE

NOTES

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5050TG1L + RECIRCULATION

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TG1LCD
2016236D

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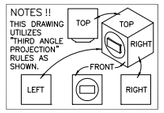
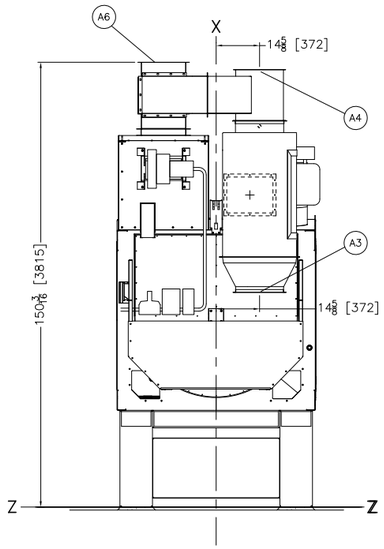
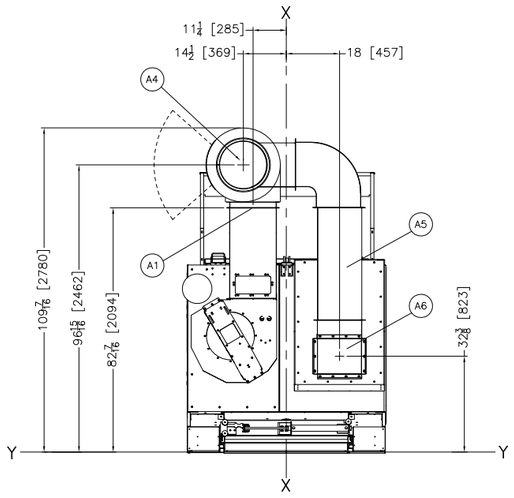
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.

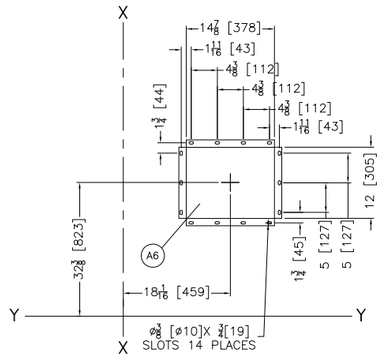




REAR VIEW



PLAN VIEW



AIR INTAKE

ZERO PEDESTAL SHOWN
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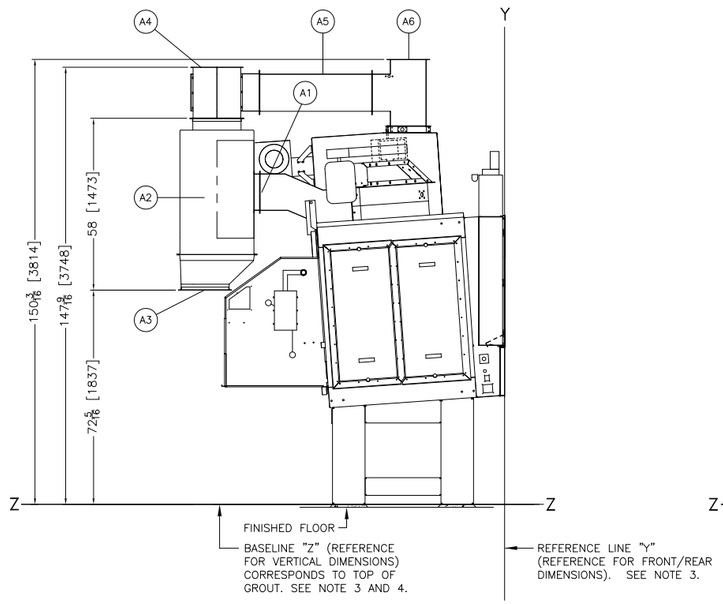
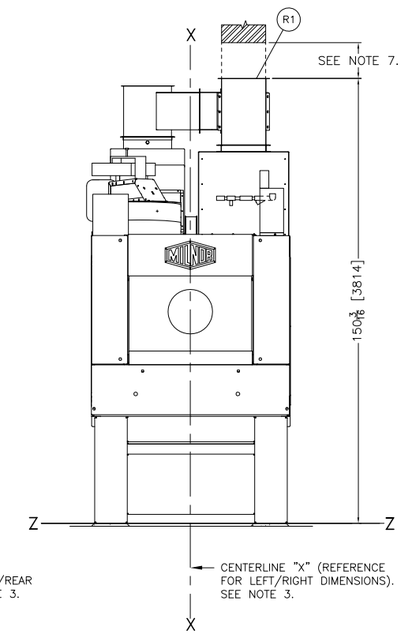
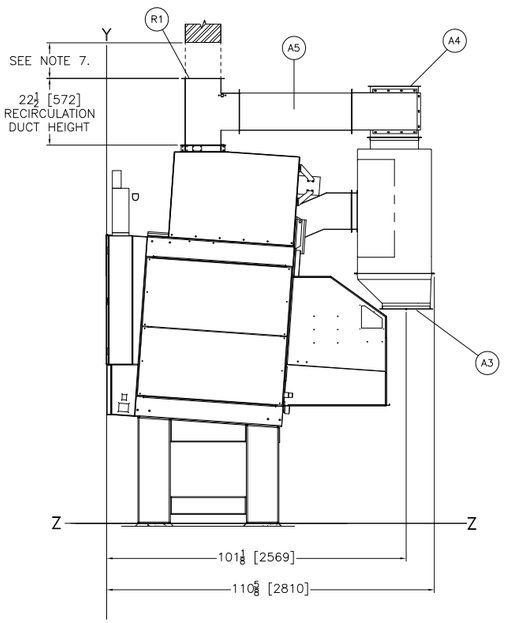


LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
A6	AIR INTAKE
A5	RECIRCULATION DUCT, FLEXIBLE HOSE CONNECTION
A4	EXHAUST DUCT, 16" [406] INSIDE DIAMETER.
A3	LINT COLLECTION OUTLET
A2	LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
A1	AIR EXHAUST (STANDARD EXHAUST TO REAR)
	SEE BD5050TG1LCE.

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5050TG1L RECIRC & MLF1004

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TG1LCF
2016236D

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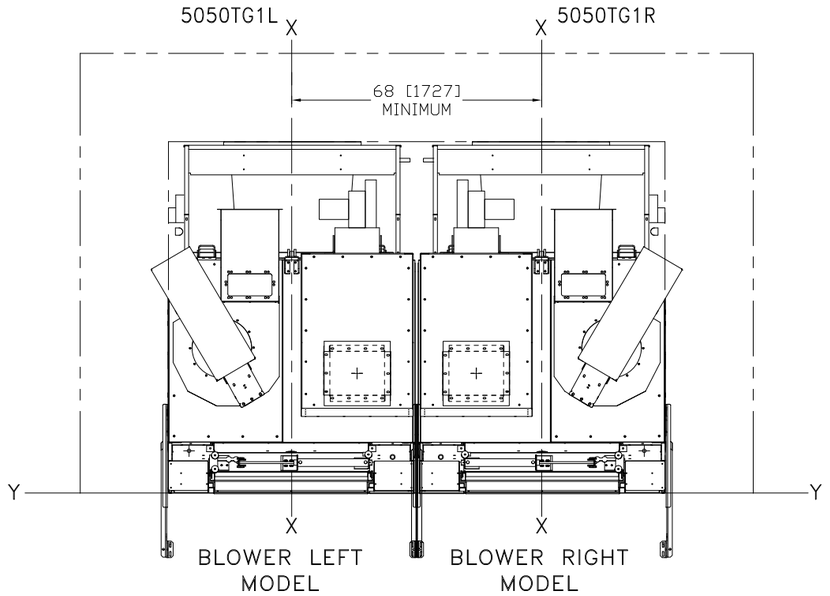
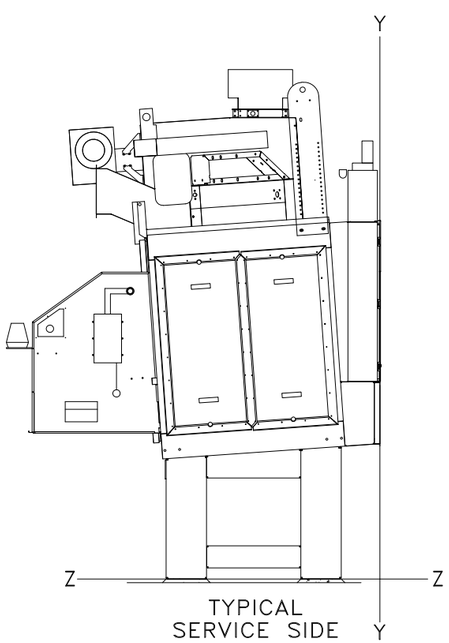
FAX 504/468-3094, Email: milnorinfo@milnor.com



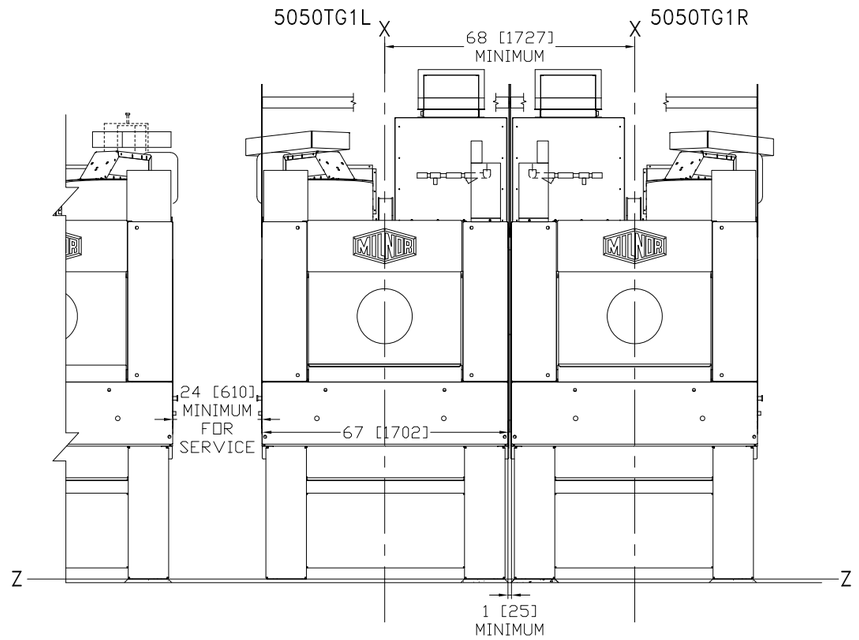
PLAN VIEW



TYPICAL
SERVICE SIDE

(BLOWER LEFT
MODEL SHOWN)

LEFT VIEW



FRONT VIEW
MIRRORED INSTALLATION

NOTES

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5050TG1L & 5050TG1R PAIRED

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TG1PCE
2022086D

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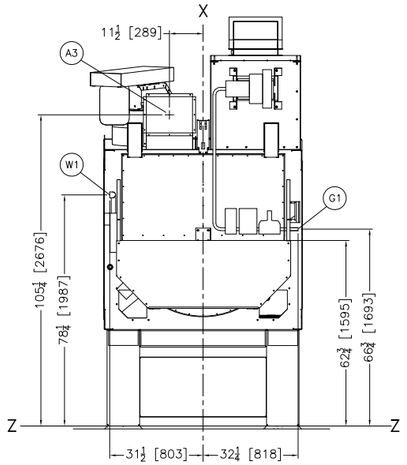
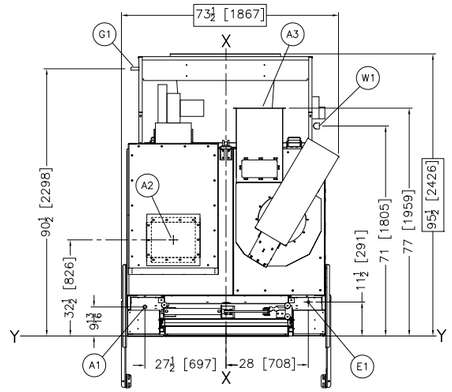
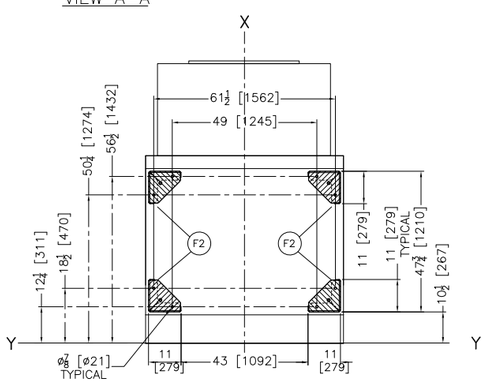
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 13.



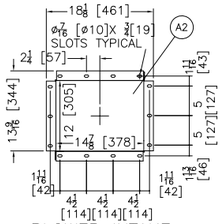
REAR VIEW



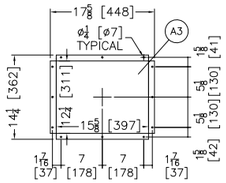
PLAN VIEW



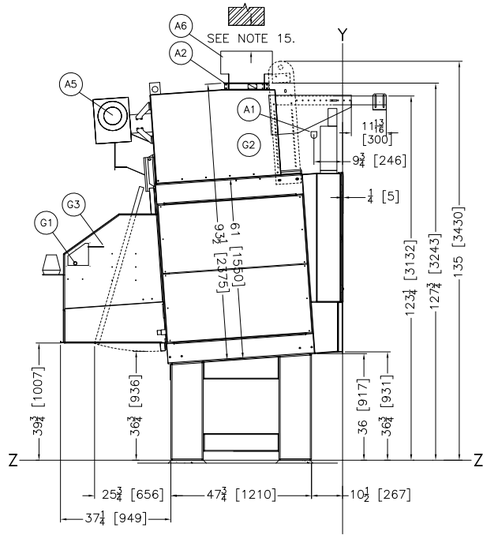
FOUNDATION PLAN VIEW



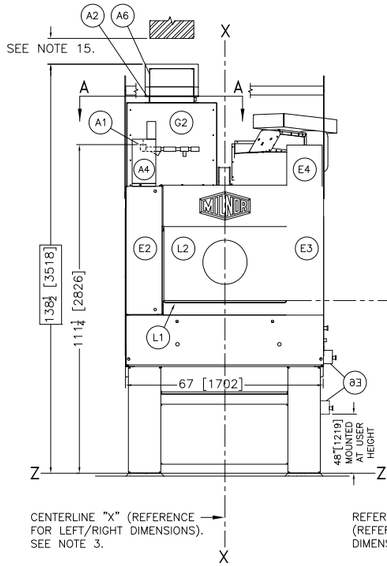
BLOWER INTAKE DUCT DETAIL VIEW A–A



BLOWER EXHAUST DUCT TO REAR DETAIL

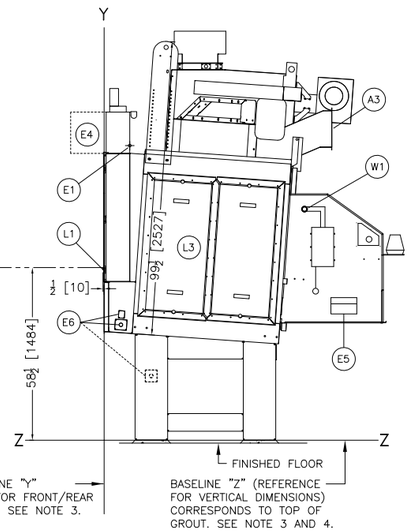


LEFT VIEW



CENTERLINE "X" (REFERENCE FOR LEFT/RIGHT DIMENSIONS). SEE NOTE 3.

FRONT VIEW



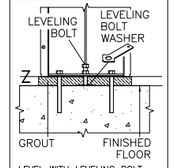
REFERENCE LINE "Y" (REFERENCE FOR FRONT/REAR DIMENSIONS). SEE NOTE 3.

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

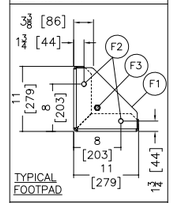
RIGHT VIEW

DETAILS:

LEVEL & GROUT

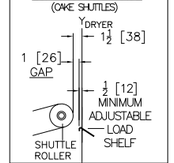


LEVEL WITH LEVELING BOLT TO "Z", GROUT AND ANCHOR ALL FOOTPADS. SEE NOTE 14.

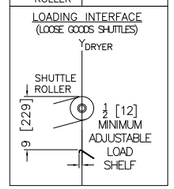


TYPICAL FOOTPAD

LOADING INTERFACE (CAKE SHUTTLES)



LOADING INTERFACE (LOOSE GOODS SHUTTLES)



W1	SPRINKLER WATER CONNECTION, 1–1/4" NPT
T1	OPTIONAL BEACON
L3	ACCESS DOORS TO LINT FILTER
L2	LOAD DOOR OPENING SIZE: 42"(1067) WIDE BY 28"(711)
	HIGH FOR STANDARD DOOR.
L1	LOADING HEIGHT, LOAD SHELF
G3	GAS LINE VENT TO ATMOSPHERE, 1/8" STAINLESS TUBING
G2	BURNER UNIT
G1	MAIN GAS INLET, 1"NPT
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	BASE PLATES, 4 PLACES
F1	ANCHOR BOLT HOLES, 13/16" DIAMETER, 8 PLACES
E6	EMERGENCY STOP & DOOR OPEN CONTROLS
E5	MANUAL CONTROLS
E4	MICROPROCESSOR BOX
E3	LOW VOLTAGE BOX
E2	HIGH VOLTAGE BOX
E1	MAIN ELECTRICAL CONNECTION
A6	BLOWER AIR INTAKE TEE, REMOVE ONLY WHEN DUCTING
	THE INTAKE
A5	COMBUSTION AIR INTAKE BOX WITH FILTERS
A4	AIR VALVE BOX
A3	BLOWER EXHAUST
A2	BLOWER INTAKE
A1	MAIN AIR INLET, 1" NPT CONNECTION
ITEM	LEGEND

NOTES

16 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

15 IF THE BLOWER INTAKE IS NOT DUCTED THERE MUST BE 8 FEET [2438] OF UNOBSTRUCTED VERTICAL CLEARANCE BETWEEN THE INLET AND ANY OBJECT ABOVE IT.

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 DRAWING SHOWS THE 5040TG1 DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)3.5"[89] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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 FOR PROPER COMBUSTION BY THE BURNER. 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 PRE–PIPE ANY CLOSER THAN 60 [1524].

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

9 MINIMUM CLEARANCE FOR MAINTENANCE = 24"[610]. SOME JURISDICTIONS REQUIRE UP TO 30"(762) CLEARANCE. CONSULT LOCAL CODES. IN COSHA INSTALLATIONS MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY COSHA REQUIREMENT. SEE DRAWING BOSHTORBE FOR MINIMUM DIMENSION OF COSHA AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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

7 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING SO BLOWER MAY BE REMOVED FOR SERVICING IF NEEDED.

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5050TG1R

DM 0 0.5M
INCHES 0 12 24

DWG# BD5050TG1RCE 2022086D

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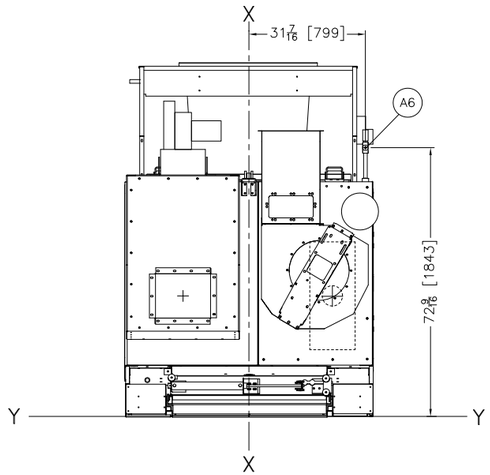
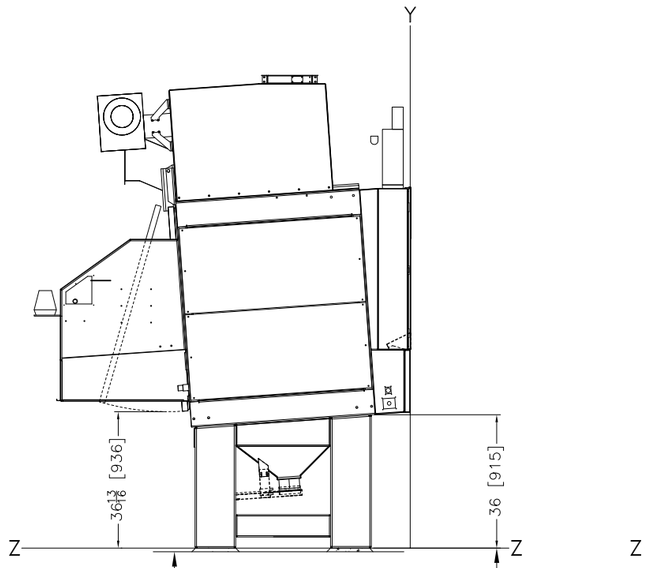


PLAN VIEW



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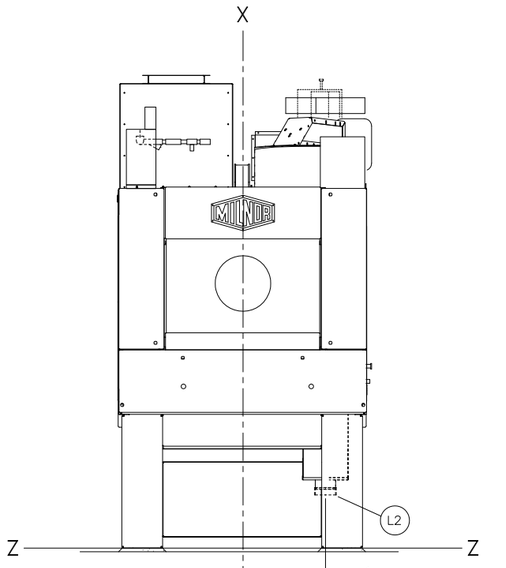
LEFT VIEW



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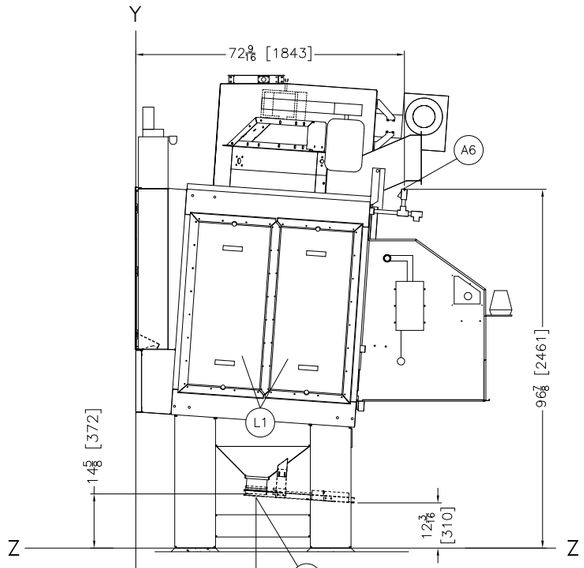
FRONT VIEW



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RIGHT VIEW

ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTES 8 & 10.)

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

ITEM	LEGEND
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL INTERNAL LINT SCREEN. PIPES TO DRYVAC OR LINT COLLECTOR BY OTHERS. SEE NOTES AND DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.

NOTES

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

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

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

7 THIS DRAWING SHOWS THE 5040TG1 DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

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5050TG1R OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TG1RCB
2016236D

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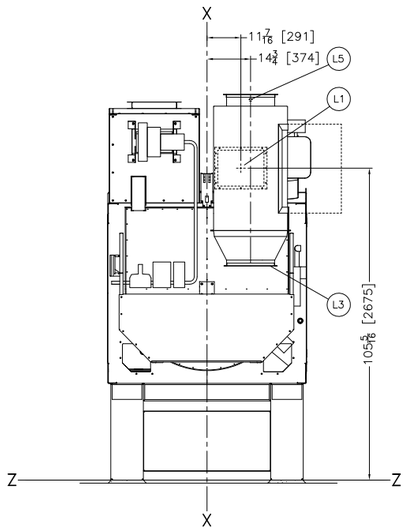
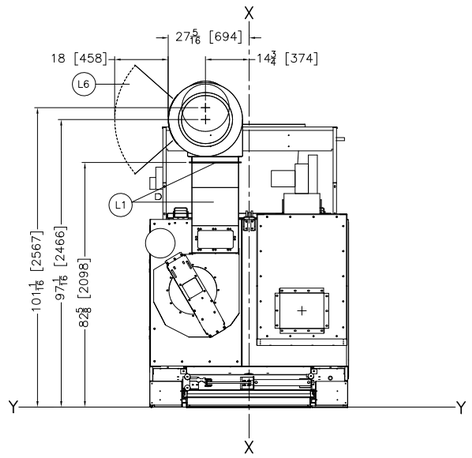
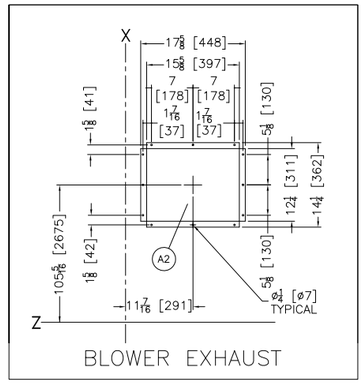


REAR VIEW

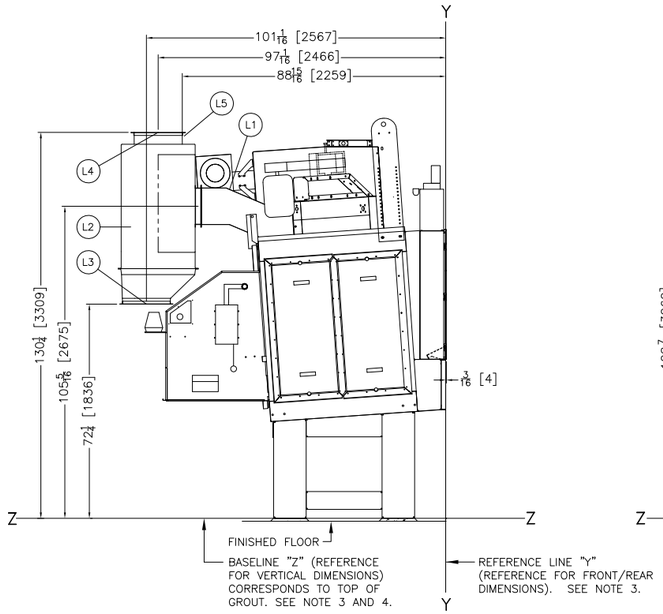


PLAN VIEW

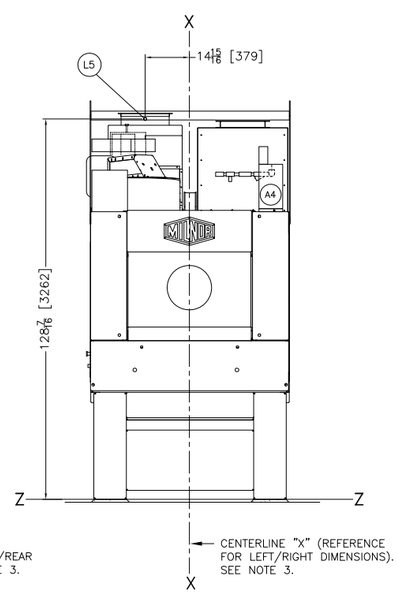
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.



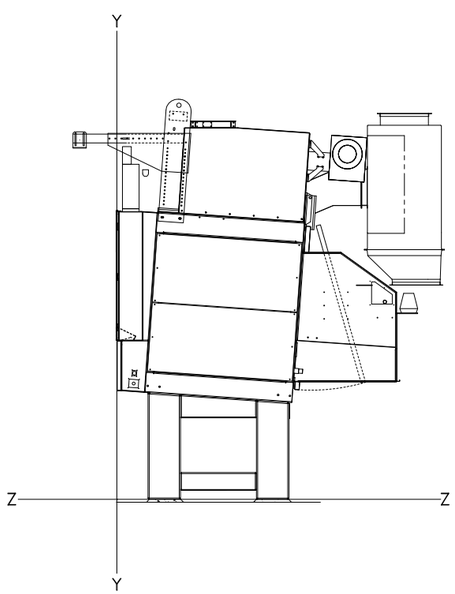
BLOWER EXHAUST



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	AIR INLET, 3/4" NPT
L4	EXHAUST DUCT, 16-3/4"[425] ID FLANGED OUTLET
L3	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	16"[406] ID FLANGED OUTLET
L2	MLF1004 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
L1	OPTIONAL EXHAUST DUCT TO ONBOARD LINT

NOTES

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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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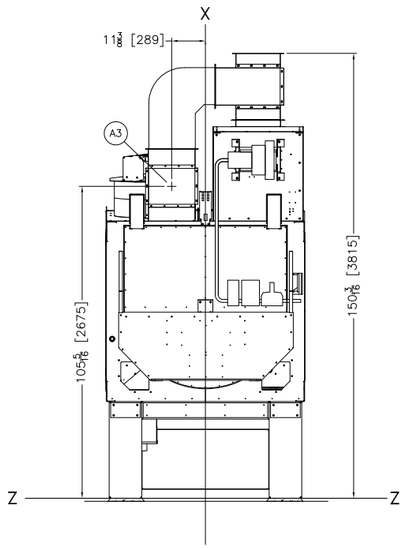
5050TG1R + MLF1004

DM 0 0.5M 1M
INCHES 0 12 24 36

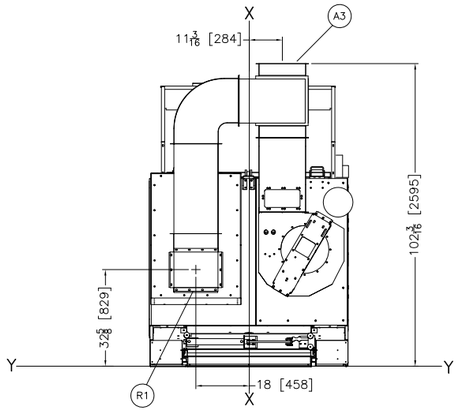
DWG# BD5050TG1RCC
2016236D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3094, Email: milnorinfo@milnor.com

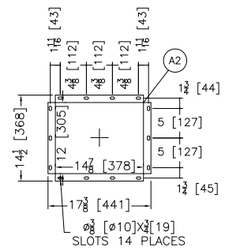
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.



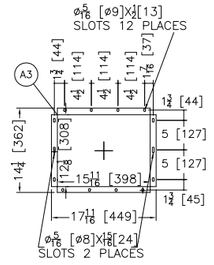
REAR VIEW



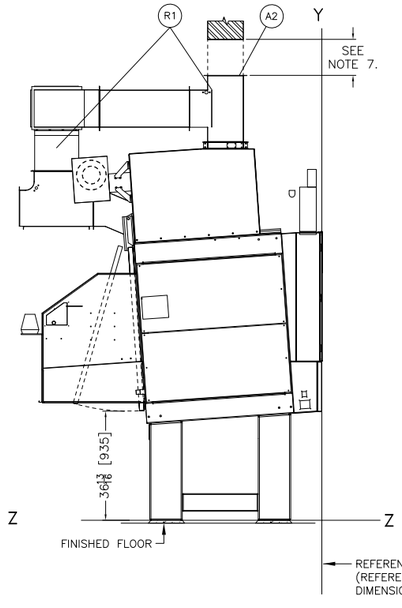
PLAN VIEW



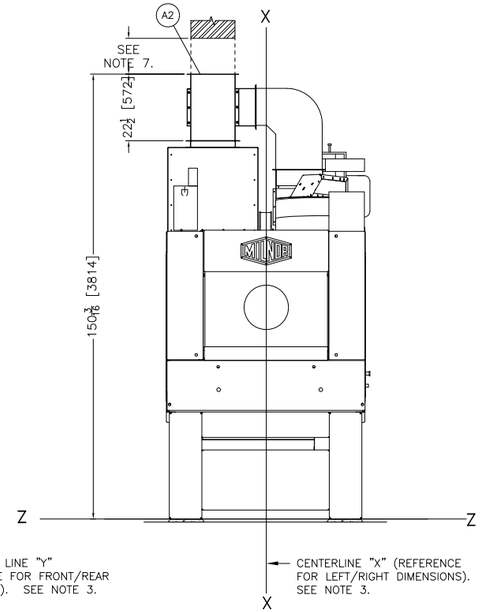
RECIRCULATION DUCT BLOWER INTAKE DETAIL



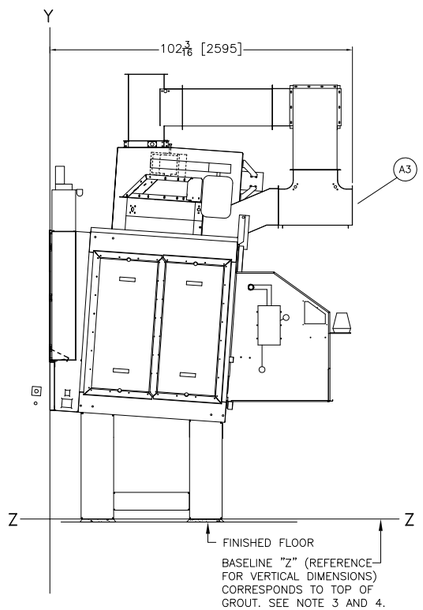
RECIRCULATION DUCT BLOWER EXHAUST TO REAR DETAIL



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
R1	RECIRCULATION DUCTING
A3	RECIRCULATION DUCT BLOWER EXHAUST
A2	RECIRCULATION DUCT BLOWER INTAKE

NOTES

7 WHEN THE RECIRCULATION DUCT INLET IS NOT DUCTED, THERE MUST BE 8 FEET MINUS THE HEIGHT OF THE RECIRCULATION DUCT OF UNOBSTRUCTED VERTICAL CLEARANCE BETWEEN THE INLET AND ANY OBJECT ABOVE IT.

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5050TG1R + RECIRCULATION

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TG1RCD
2016236D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
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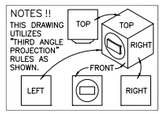
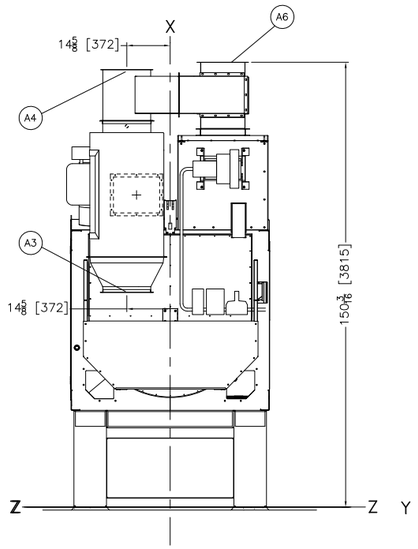
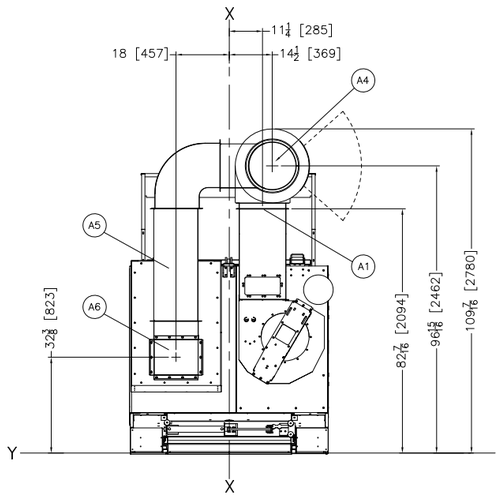
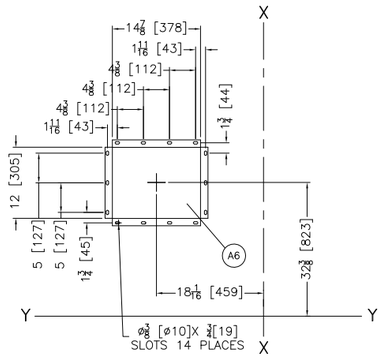




REAR VIEW

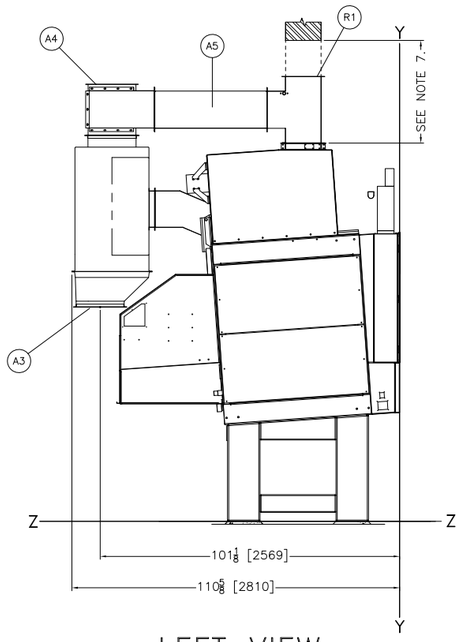


PLAN VIEW

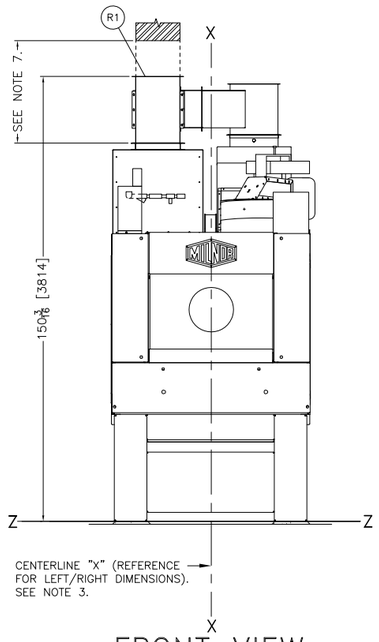


AIR INTAKE

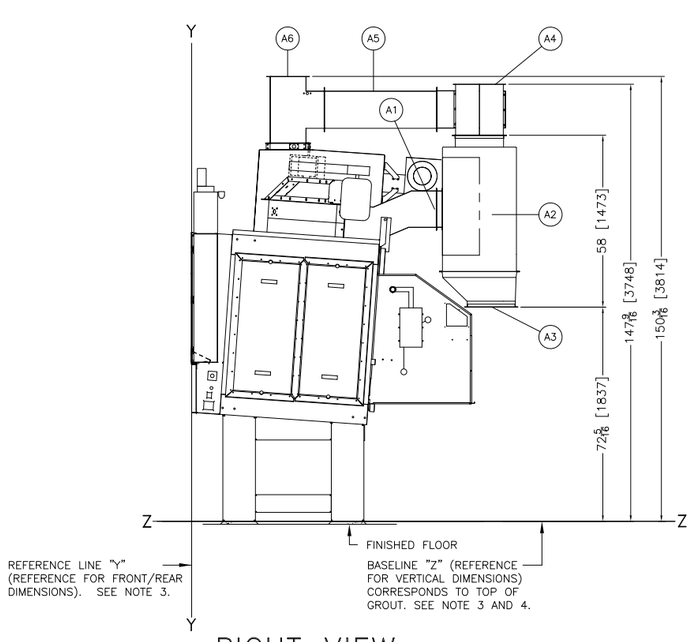
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
A6	AIR INTAKE
A5	RECIRCULATION DUCT, FLEXIBLE HOSE CONNECTION
A4	EXHAUST DUCT, 16" [406] INSIDE DIAMETER.
A3	LINT COLLECTION OUTLET
A2	LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
A1	AIR EXHAUST (STANDARD EXHAUST TO REAR)
	SEE BD5050TG1LCE.

NOTES

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5050TG1R RECIRC & MLF1004

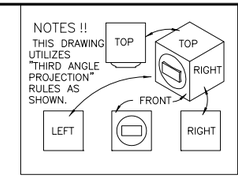
DM 0 0.5M 1M
INCHES 0 12 24 36

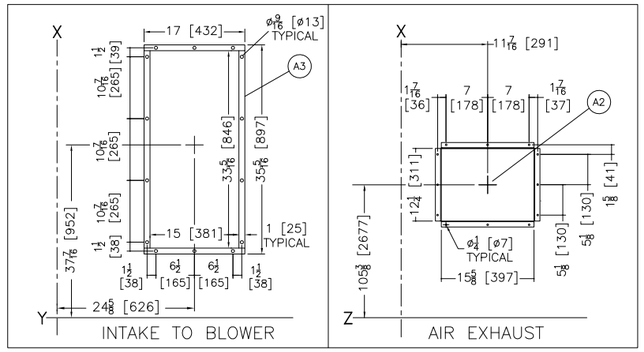
DWG# BD5050TG1RCF
2016236D

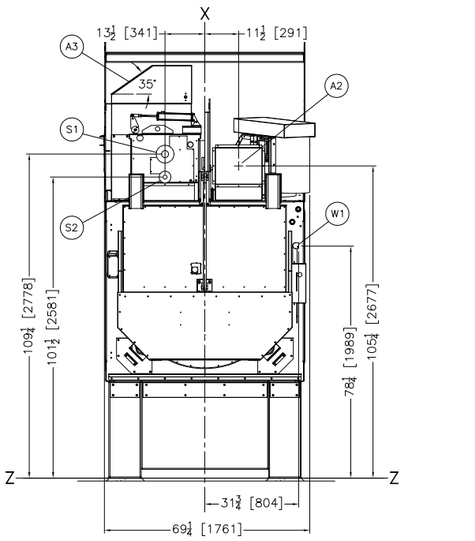
PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3094, Email: milnorinfo@milnor.com

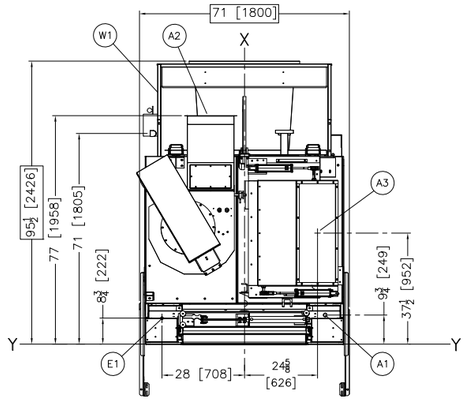
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5050TG2L/TS1		USE THIS COSHA SIDE RAIL EXTENDERS		A 5050TG1L DRYERS	
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	–	–	0	0	0	0	0	0	58 1/8	1476
–	–	–	–	3 1/2	89	3 1/2	89	3 1/2	89	61 5/8	1565
–	–	–	–	10 1/2	267	10 1/2	267	10 1/2	267	68 5/8	1743
–	–	0	0	14	356	14	356	14	356	72 1/8	1832
–	–	3 1/2	89	17 1/2	445	17 1/2	445	17 1/2	445	75 5/8	1921
0	0	7	178	21	533	21	533	21	533	79 1/8	2010
3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	24 1/2	622	82 5/8	2099
10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	31 1/2	800	89 5/8	2276
17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	38 1/2	978	96 5/8	2454
24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	45 1/2	1156	105 5/8	2683
31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	52 1/2	1334	110 5/8	2810
38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	59 1/2	1511	117 5/8	2988
45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	66 1/2	1689	124 5/8	3165

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

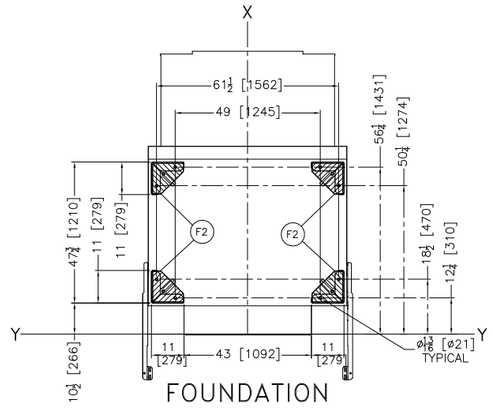






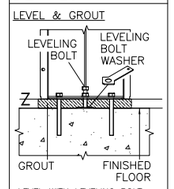


ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS TO THE PEDESTAL SPECIFIED.
SEE NOTE 13.

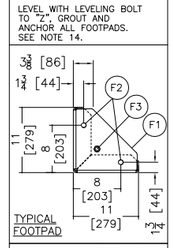


DETAILS:

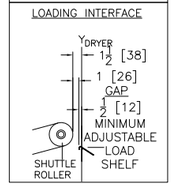
LEVEL & GROUT

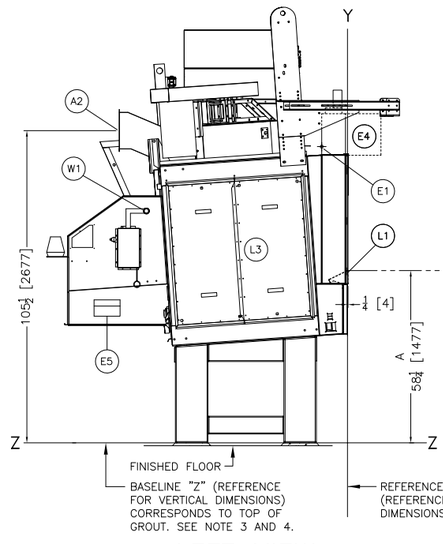


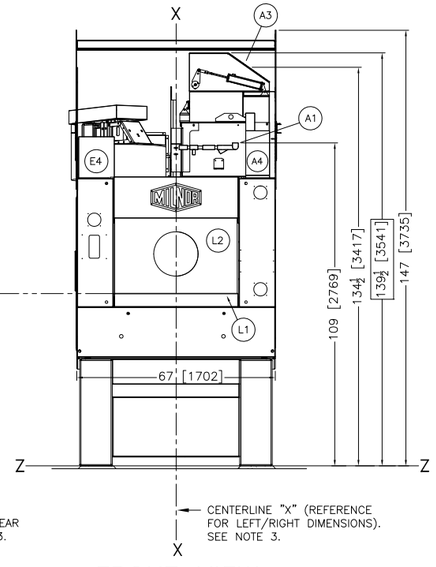
LEVEL WITH LEVELING BOLT TO "Z", GROUT AND ANCHOR ALL FOOTPADS. SEE NOTE 14.

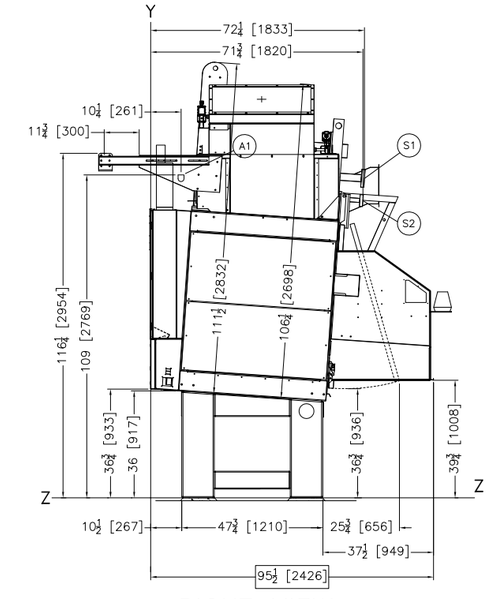


LOADING INTERFACE









ITEM	LEGEND
W1	SPRINKLER WATER CONNECTION, 1–1/4" NPT
T1	OPTIONAL BEACON
S2	STEAM CONDENSATE RETURN, 1" FLANGED CONNECTION
S1	STEAM INLET, 2" FLANGED CONNECTION
L5	OPTIONAL LOAD SHELF FOR LOOSE GOODS SHUTTLES THAT
	STICK TO DISCHARGE ONLY.
L3	ACCESS DOORS TO OPTIONAL INTERNAL LINT FILTER
L2	LOAD DOOR OPENING SIZE: 42"(1067) WIDE BY 28"(711)
	HIGH FOR STANDARD DOOR.
L1	LOADING HEIGHT, LOAD SHELF
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	BASE PLATES, 4 PLACES
F1	ANCHOR BOLT HOLES, 13/16" DIAMETER, 8 PLACES
E5	MANUAL CONTROLS
E4	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
A4	AIR VALVE BOX
A3	MAIN AIR INTAKE WITH SCREEN, SEE NOTE 15.
A2	AIR EXHAUST
A1	COMPRESSED AIR INLET, 1" NPT CONNECTION

NOTES

16 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

15 THE MAIN AIR INTAKE ON THE STEAM BOX HAS A SCREEN ON THE ENTRY. CONTACT PMC ENGINEERING FOR OUTSIDE DUCTING.

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 DRAWING SHOWS THE DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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 FOR PROPER COMBUSTION BY THE BURNER. 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 PRE-PIPE ANY CLOSER THAN 60 [1524].

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

9 MINIMUM CLEARANCE FOR MAINTENANCE = 24"[610]. SOME JURISDICTIONS REQUIRE UP TO 30"(762) CLEARANCE. CONSULT LOCAL CODES. IN COSHA INSTALLATIONS MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY COSHA REQUIREMENT. SEE DRAWING BOSHTCLRBE FOR MINIMUM DIMENSION OF COSHA AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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

7 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING SO BLOWER MAY BE REMOVED FOR SERVICING IF NEEDED.

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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.

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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.

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.

5050TS1L

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TS1LBE 2016236D

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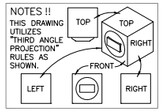
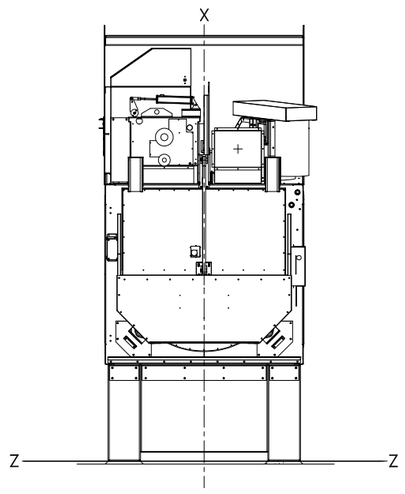
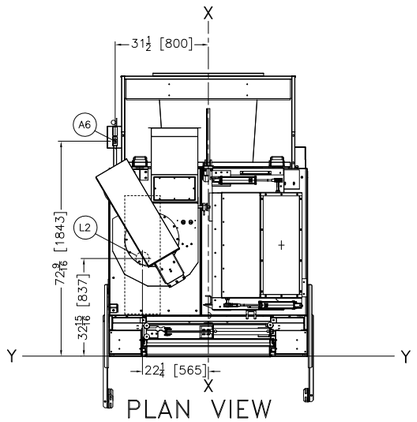
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.

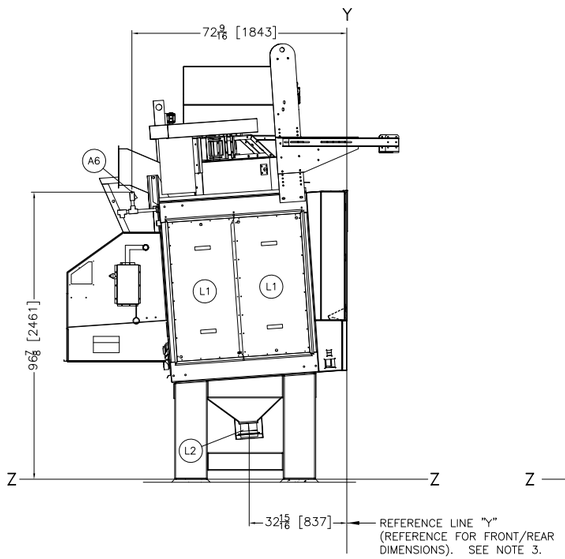




REAR VIEW

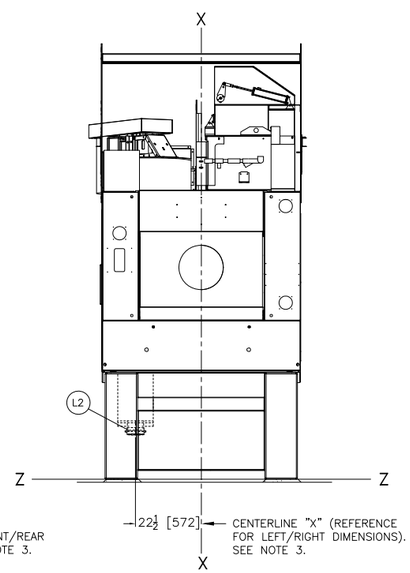


PLAN VIEW



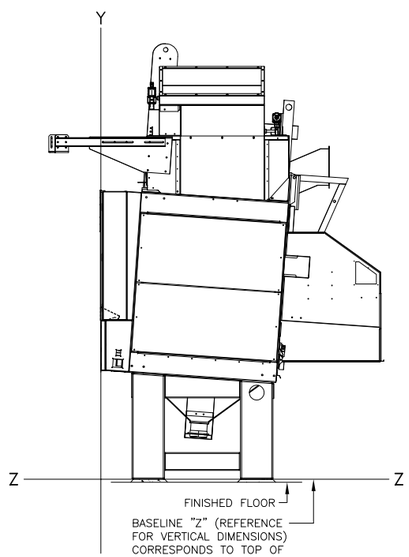
REFERENCE LINE "Y" (REFERENCE FOR FRONT/REAR DIMENSIONS). SEE NOTE 3.

LEFT VIEW



CENTERLINE "X" (REFERENCE FOR LEFT/RIGHT DIMENSIONS). SEE NOTE 3.

FRONT VIEW



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

RIGHT VIEW

ITEM	LEGEND
L2	LINT OUTLET (4" PVC PIPE CONNECTION) FOR OPTIONAL INTERNAL LINT SCREEN. PIPES TO DRYVAC OR LINT COLLECTOR BY OTHERS. SEE NOTES AND DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS

NOTES

16 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

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

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

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

7 THIS DRAWING SHOWS THE DRYER WITH A 36-13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

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5050TS1L OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TSILBB 2016236D

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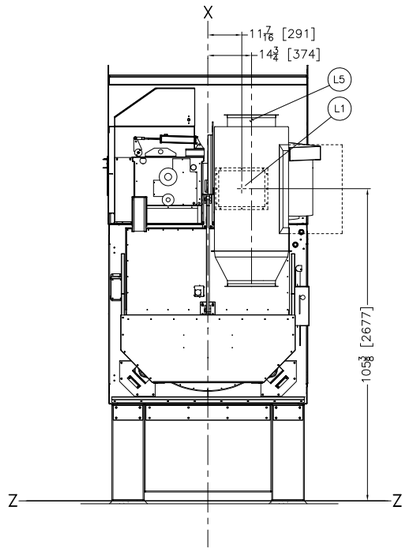
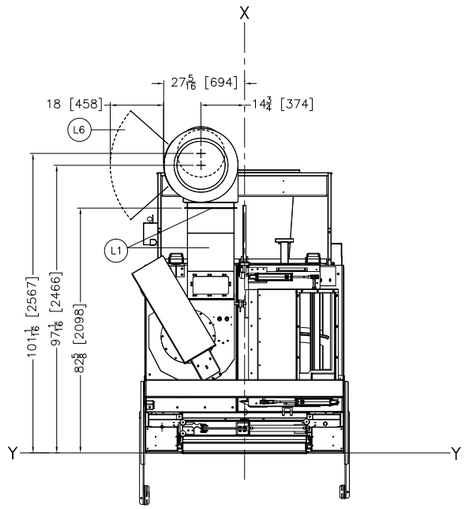
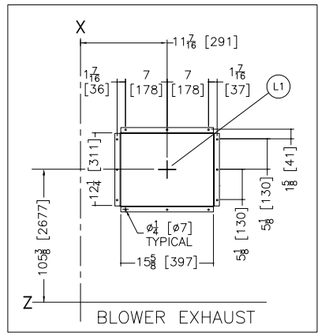


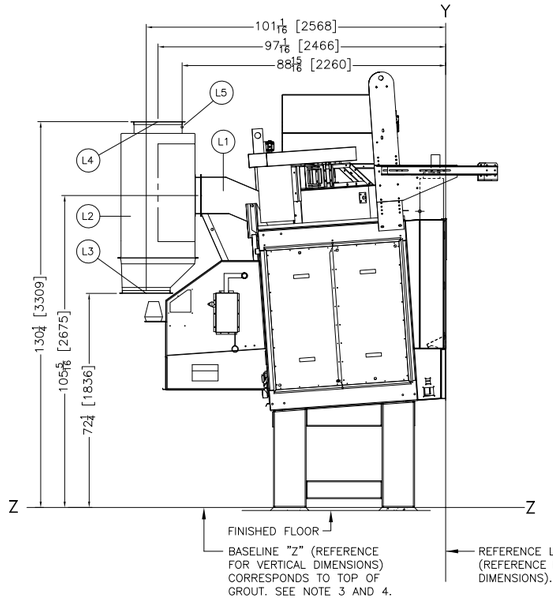
REAR VIEW



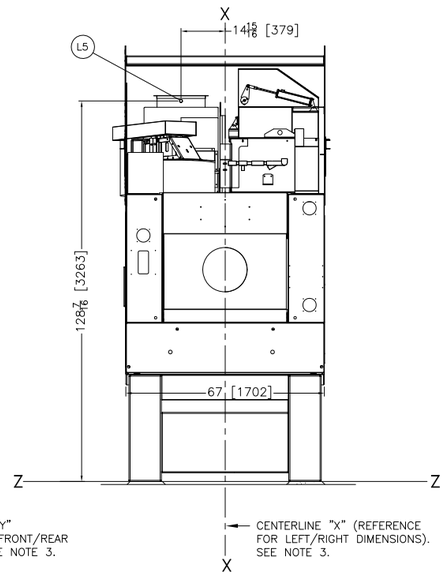
PLAN VIEW

ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 13.

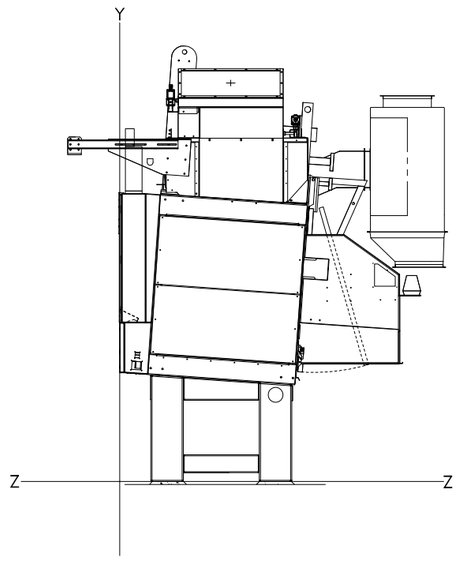




LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	AIR INLET, 3/4" NPT
L4	EXHAUST DUCT, 16-3/4"[425] ID FLANGED OUTLET
L3	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	16"[406] ID FLANGED OUTLET
L2	MLF1004 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
L1	OPTIONAL EXHAUST DUCT TO ONBOARD LINT

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5050TS1L & MLF1004

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TS1LBC 2016236D

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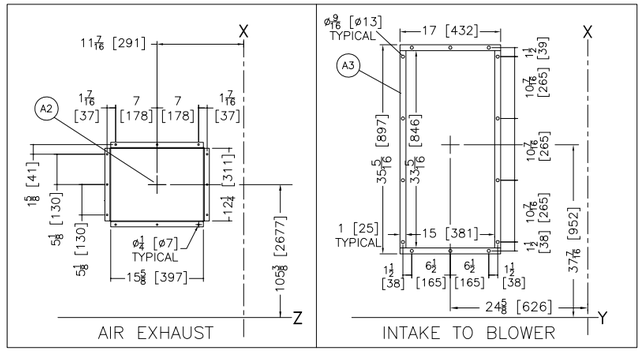

WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5050TG2L/TS1		USE THIS COSHA SIDE RAIL EXTENDERS		A 5050TS1R DRYERS	
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	–	–	0	0	0	0	0	0	58 1/8	1476
–	–	–	–	3 1/2	89	3 1/2	89	3 1/2	89	61 5/8	1565
–	–	–	–	10 1/2	267	10 1/2	267	10 1/2	267	68 5/8	1743
–	–	0	0	14	356	14	356	14	356	72 1/8	1832
–	–	3 1/2	89	17 1/2	445	17 1/2	445	17 1/2	445	75 5/8	1921
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3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	24 1/2	622	82 5/8	2099
10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	31 1/2	800	89 5/8	2276
17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	38 1/2	978	96 5/8	2454
24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	45 1/2	1156	105 5/8	2683
31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	52 1/2	1334	110 5/8	2810
38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	59 1/2	1511	117 5/8	2988
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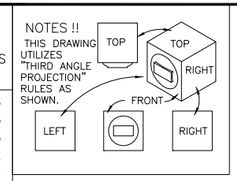

ITEM	LEGEND
W1	SPRINKLER WATER CONNECTION, 1–1/4" NPT
T1	OPTIONAL BEACON
S2	STEAM CONDENSATE RETURN, 1" FLANGED CONNECTION
S1	STEAM INLET, 2" FLANGED CONNECTION
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L3	ACCESS DOORS TO OPTIONAL INTERNAL LINT FILTER
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	HIGH FOR STANDARD DOOR.
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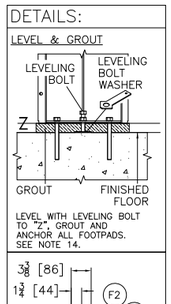
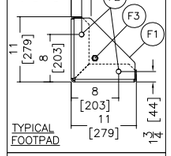
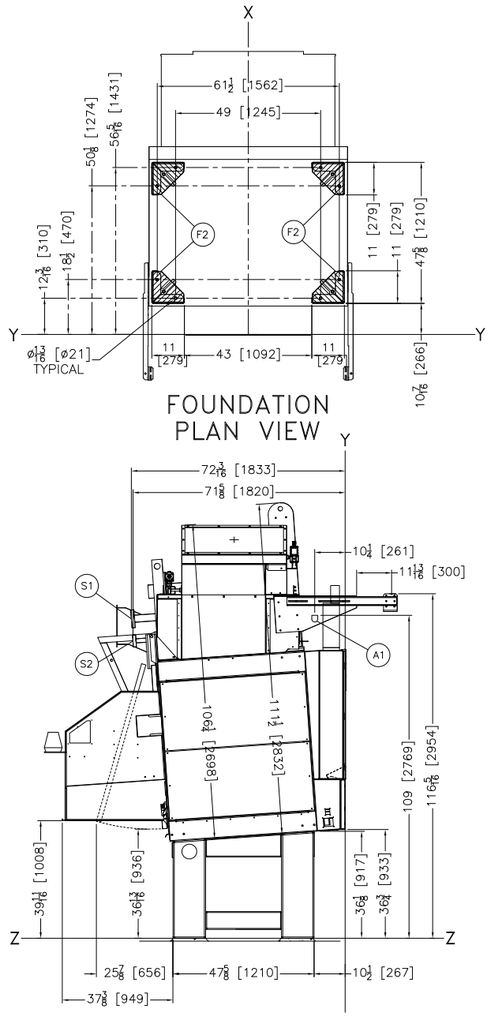
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	BASE PLATES, 4 PLACES
F1	ANCHOR BOLT HOLES, 13/16" DIAMETER, 8 PLACES
E5	MANUAL CONTROLS
E4	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
A4	AIR VALVE BOX
A3	MAIN AIR INTAKE WITH SCREEN, SEE NOTE 15.
A2	AIR EXHAUST
A1	COMPRESSED AIR INLET, 1" NPT CONNECTION

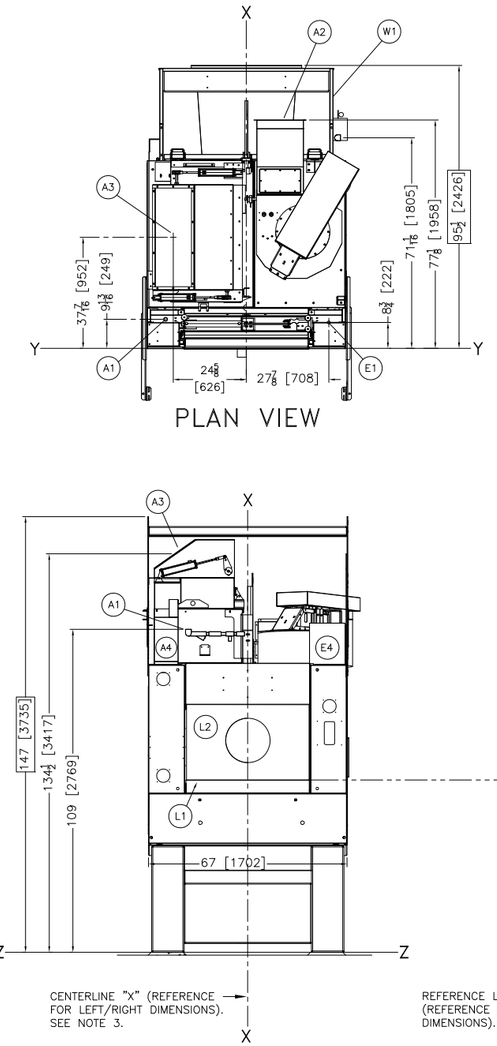
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 13.

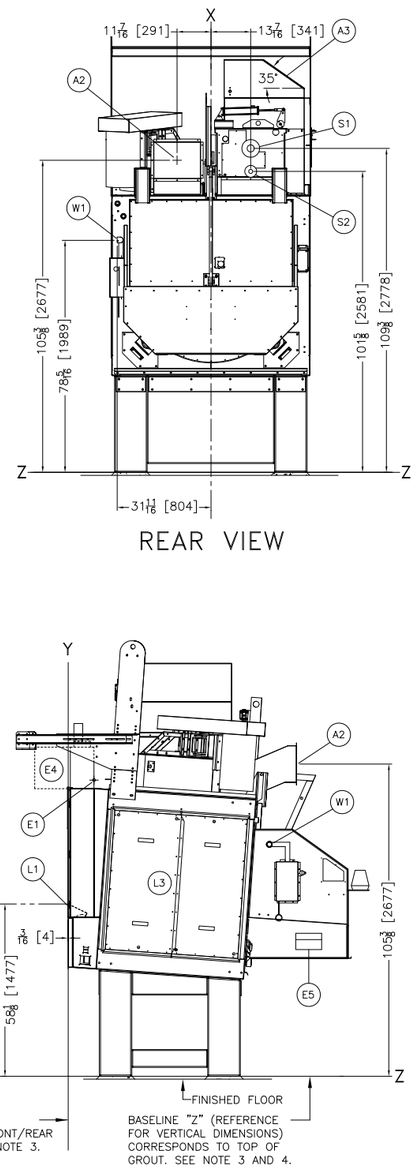
DETAILS:

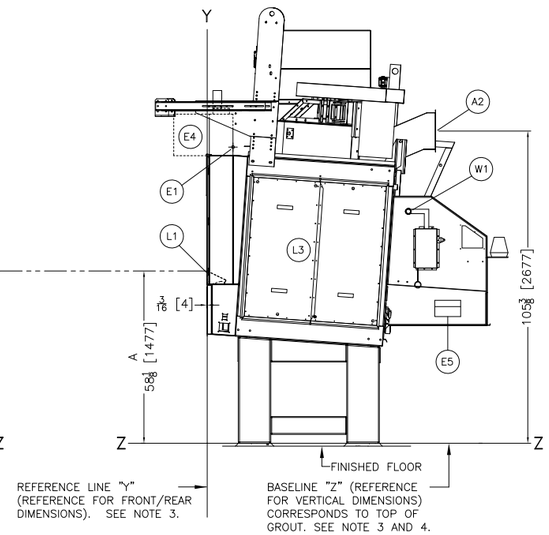












NOTES

16 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

15 THE MAIN AIR INTAKE ON THE STEAM BOX HAS A SCREEN ON THE ENTRY. CONTACT PMC ENGINEERING FOR OUTSIDE DUCTING.

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 DRAWING SHOWS THE DRYER WITH A 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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 FOR PROPER COMBUSTION BY THE BURNER. 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 PRE–PIPE ANY CLOSER THAN 60 [1524].

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

9 MINIMUM CLEARANCE FOR MAINTENANCE = 24"[610]. SOME JURISDICTIONS REQUIRE UP TO 30"(762) CLEARANCE. CONSULT LOCAL CODES. IN COSHA INSTALLATIONS MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY COSHA REQUIREMENT. SEE DRAWING BDSHTCLRBE FOR MINIMUM DIMENSION OF COSHA AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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

7 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING SO BLOWER MAY BE REMOVED FOR SERVICING IF NEEDED.

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5050TS1R

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TS1RBE 2016236D

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P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467–9591,
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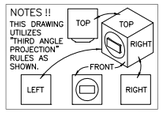
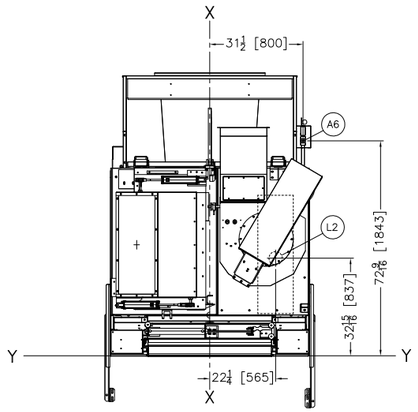
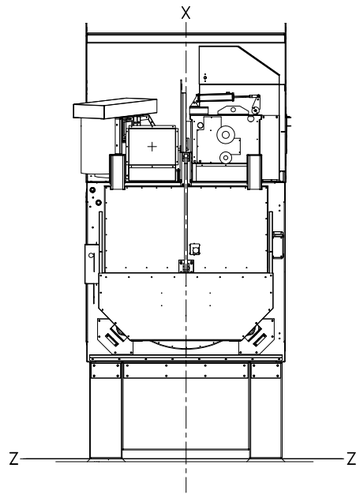
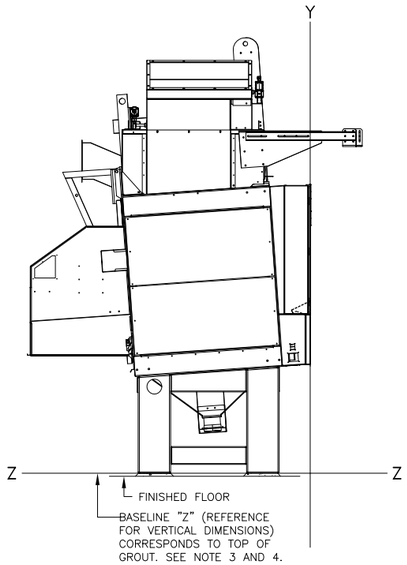




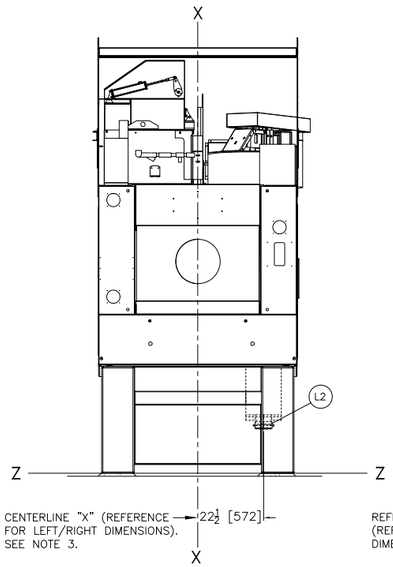
PLAN VIEW



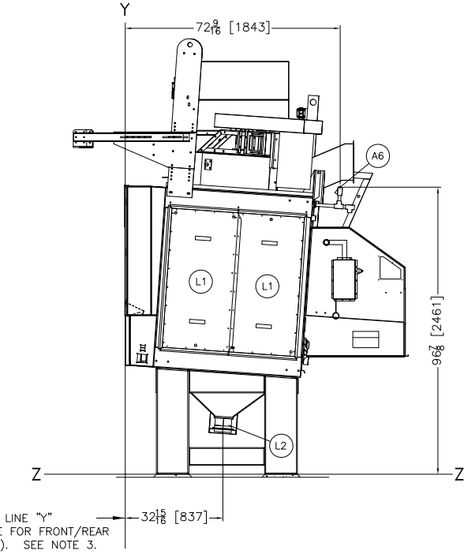
REAR VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
L2	LINT OUTLET (4" PVC PIPE CONNECTION) FOR OPTIONAL INTERNAL LINT SCREEN. PIPES TO DRYVAC OR LINT COLLECTOR BY OTHERS. SEE NOTES AND DRAWING BD6458DLCPBE FOR RECOMMENDED PIPING.
L1	OPTIONAL INTERNAL LINT SCREENS, BEHIND PANELS
A6	1" NPT AIR CONNECTION/OPTIONAL INTERNAL LINT SCREENS

NOTES

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

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

8 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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5050TS1R OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TSIRBB 2016236D

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ZERO PEDESTAL SHOWN
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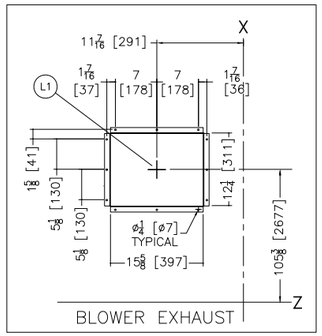
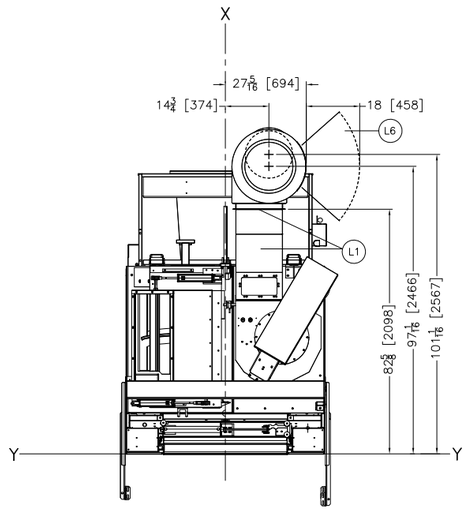
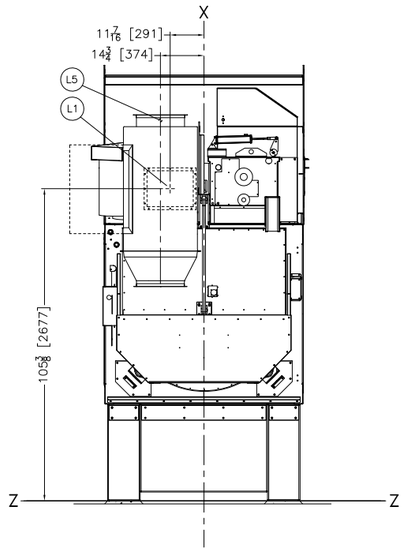




PLAN VIEW



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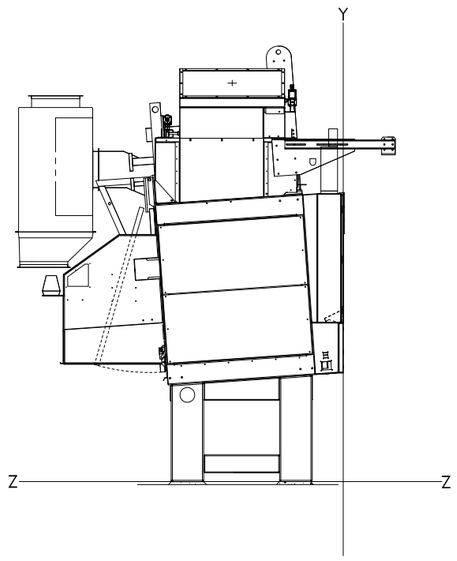

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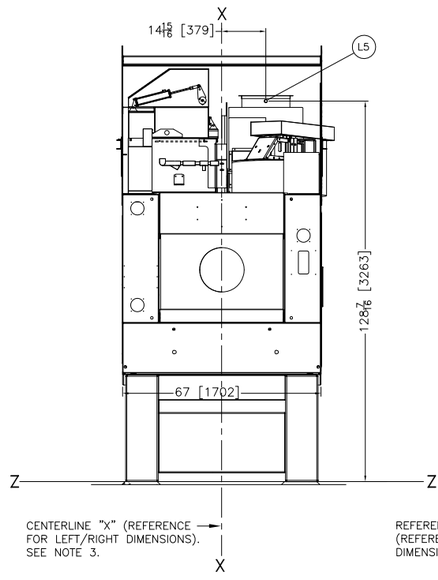

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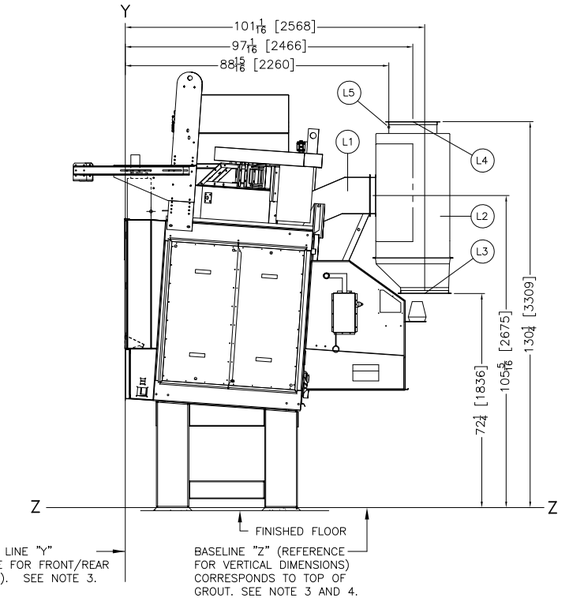

RIGHT VIEW

ITEM	LEGEND
L6	HINGED ACCESS DOOR
L5	AIR INLET, 3/4" NPT
L4	EXHAUST DUCT, 16-3/4"[425] ID FLANGED OUTLET
L3	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE 16"[406] ID FLANGED OUTLET
L2	MLF1004 LINT FILTER (LINT FILTER SUPPORTED BY OTHERS)
L1	OPTIONAL EXHAUST DUCT TO ONBOARD LINT

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5050TS1R & MLF1004

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050TS1RBC
2016236D

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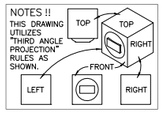

WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5050TG2L/TS1		USE THIS COSHA SIDE RAIL EXTENDERS		A 5050SA1 CONDITIONER	
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	–	–	0	0	0	0	0	0	58 1/8	1476
–	–	–	–	3 1/2	89	3 1/2	89	3 1/2	89	61 5/8	1565
–	–	–	–	10 1/2	267	10 1/2	267	10 1/2	267	68 5/8	1743
–	–	0	0	14	356	14	356	14	356	72 1/8	1832
–	–	3 1/2	89	17 1/2	445	17 1/2	445	17 1/2	445	75 5/8	1921
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3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	24 1/2	622	82 5/8	2099
10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	31 1/2	800	89 5/8	2276
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45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	66 1/2	1689	124 5/8	3165

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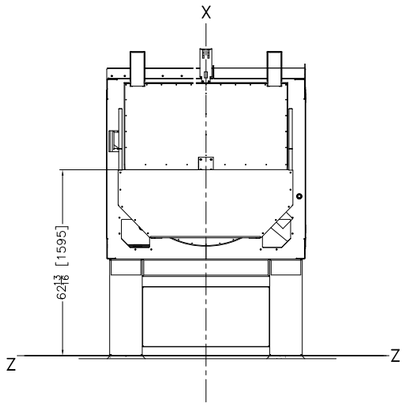
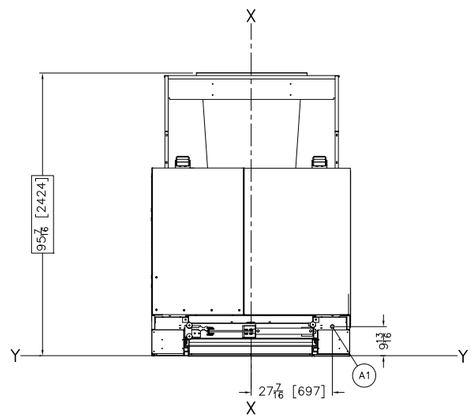
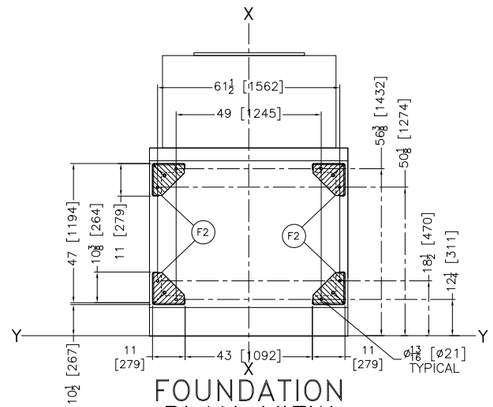
SEE NOTE 13.



REAR VIEW

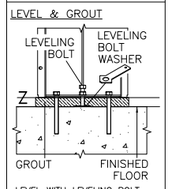


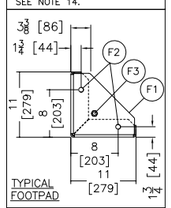
PLAN VIEW

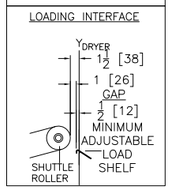


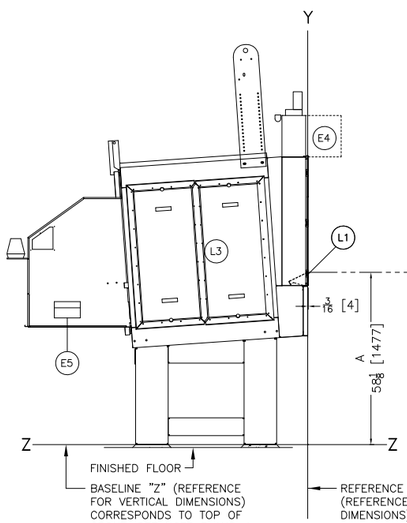
FOUNDATION PLAN VIEW

DETAILS:

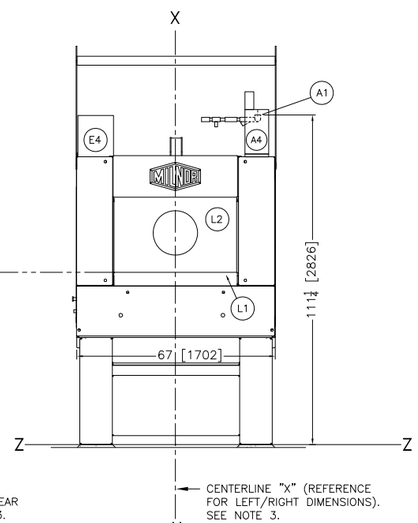




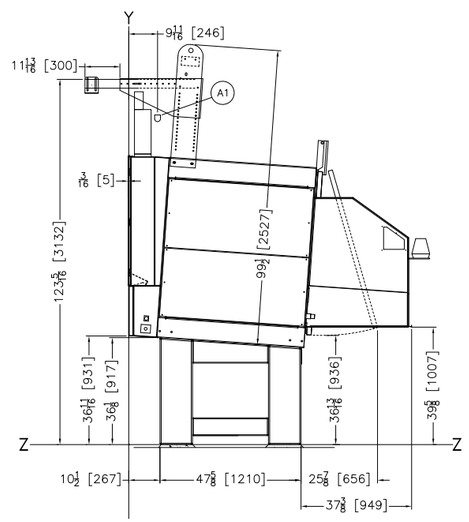




LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
T1	OPTIONAL BEACON
L3	ACCESS DOORS TO LINT FILTER
L2	LOAD DOOR OPENING SIZE: 42"(1067) WIDE BY 28"(711)
	HIGH FOR STANDARD DOOR.
L1	LOADING HEIGHT, LOAD SHELF
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	BASE PLATES, 4 PLACES
F1	ANCHOR BOLT HOLES, 13/16" DIAMETER, 8 PLACES
E5	MANUAL CONTROLS
E4	MICROPROCESSOR BOX
E3	LOW VOLTAGE BOX
E2	HIGH VOLTAGE BOX
E1	MAIN ELECTRICAL CONNECTION
A4	AIR VALVE BOX
A1	MAIN AIR INLET, 1" NPT CONNECTION

NOTES

15 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BIPDUI01/20160505 OR LATER.

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 DRAWING SHOWS THE 5050SA1 CONDITIONER WITH 36–13/16"[935] DISCHARGE HEIGHT. WE CALL THE PEDESTAL BASE TO DO THIS A "ZERO PEDESTAL".

DRYERS MAY BE ORDERED WITH A PEDESTAL TO INCREASE THE MACHINE HEIGHT IN (+)1.75"[44] INCREMENTS. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

11 DO NOT PRE–PIPE ANY CLOSER THAN 60 [1524].

9 MINIMUM CLEARANCE FOR MAINTENANCE = 24"[610]. SOME JURISDICTIONS REQUIRE UP TO 30"(762) CLEARANCE. CONSULT LOCAL CODES. IN COSHA INSTALLATIONS MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY COSHA REQUIREMENT. SEE DRAWING BDSHTCLRBE FOR MINIMUM DIMENSION OF COSHA AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

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

7 DO NOT RUN PIPING OR CONDUIT OVER BLOWER HOUSING SO BLOWER MAY BE REMOVED FOR SERVICING IF NEEDED.

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.

5050SAI CONDITIONER

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD5050SA11AE
2016236D

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