Manual Number: MCDTBI01
Edition (ECN): 2025323

Installation

6458TS1L/R, 6458TT1L/R

PELLERIN MILNOR CORPORATION **Post Office Box 400, Kenner, Louisiana 70063–0400, U.S.A.**

Contents

Figures

Tables

1 Safety

BMP720097 / 25142 BRUUUM01.1 0000229985 A.3 E.2 3/31/25, 3:24 PM Canceled

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 altered in any way without MILNOR's written consent.

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

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

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

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

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

BMP720097/25142

BNUUUM01 / 2019342 BNUUUM01 0000250121 B.3 1/2/20, 2:14 PM Canceled

1.1 How to Get the Necessary Repair Components

BNUUUM01.C01 0000250120 A.3 B.3 1/2/20, 2:14 PM Canceled

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: 504-712-7775
Fax: 504-469-9777
Email: parts@milnor.com

BNUUUU02 / 2023296 BNUUUU02 0000158094 G.2 7/20/23, 10:58 AM Canceled

1.2 Trademarks

BNUUUU02.R01 0000158093 A.3 G.2 F.2 7/20/23, 10:57 AM Canceled

These words are trademarks of Pellerin Milnor® Corporation and other entities:

Table 1. Trademarks

AutoSpot™	GreenFlex™	MilMetrix®	PulseFlow®
CBW®	GearTrace™	MilTouch™	RAM Command™
Drynet™	GreenTurn™	MilTouch-EX™	Recirc*ONE*®
E-P Express®	Hydro-cushion™	MilRAIL®	RinSave®
E-P OneTouch®	Mentor®	Miltrac™	SmoothCoil™

Table 1 Trademarks (cont'd.)

E-P Plus®	Mildata®	MilVision™	Staph Guard®
Gear Guardian®	Milnor®	PBW™	

BNDUUS06 / 2021243 BNDUUS06 0000349888 A.3 6/8/21, 4:02 PM Canceled

1.3 Safety — Pass Through Dryer

BNDUUS06.C01 0000349887 A.2 A.3 6/8/21, 4:02 PM Canceled

1.3.1 Safety Alert Messages—Internal Electrical and Mechanical Hazards

BNDUUS01.C03 0000239033 A.2 A.3 1/2/20, 1:40 PM Canceled

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

WARNING: 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: 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: 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.

1.3.2 Cylinder and Processing Hazards

BNDUUS02.C01 0000239083 A.2 A.3 1/2/20, 1:40 PM Canceled

1.3.3 Safety Alert Messages—Unsafe Conditions

BNDUUS03.C01 0000239106 A.2 A.3 1/2/20, 1:40 PM Canceled

1.3.3.1 Hazards Resulting from Inoperative Safety Devices

BNDUUS03.C03 0000239117 A.2 A.3 1/2/20, 1:40 PM Canceled

WARNING: 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: 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: 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: 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: 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.

1.3.3.2 Hazards Resulting from Damaged Mechanical Devices

BNDUUS03.C04 0000239116 A.2 A.3 1/2/20, 1:40 PM Canceled

WARNING: 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.

1.3.4 Careless Use Hazards

BNDUUS03.C05 0000239115 A.2 A.3 1/2/20, 1:40 PM Canceled

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

BNDUUS03.C06 0000239114 A.2 A.3 1/2/20, 1:40 PM Canceled

WARNING: 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: Goods Damage and Wasted Resources — Entering incorrect cake data can cause improper processing, routing, and accounting of batches.

- Understand the consequences of entering cake data.

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

BNDUUS03.C07 0000239113 A.2 A.3 1/2/20, 1:40 PM Canceled

WARNING: 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: 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: 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.

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1.4 Installation Tag Guidelines

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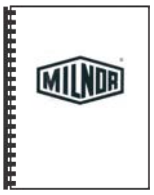
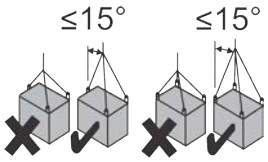
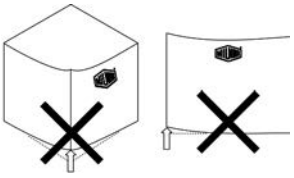
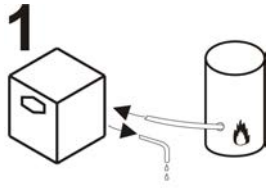
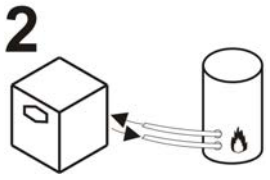
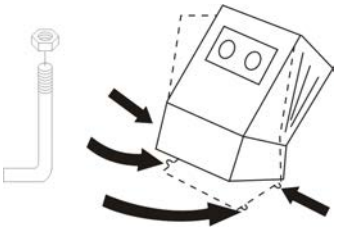
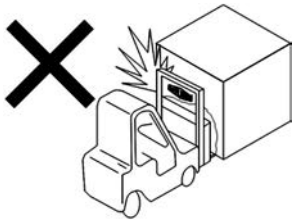
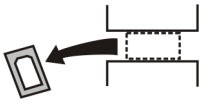
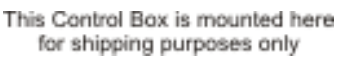
5050SA1L	5050SA1R	5050TS1L	5050TS1R	6458TS1L	6458TS1R	6458TT1L
6458TT1R	6464TS1L	6464TS1R	7676TS1L	7676TS1R	8282TS1L	8282TS1R
MT140S1L	MT140S1R	DRYVAC02	DRYVAC03			

NOTICE: 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 at the bottom of the tag, and 3) the meaning of the tag.

Symbol	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, commissioning, and servicing the 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.
	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.
	

Symbol	Explanation
	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 disassembled.
	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.)

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Guards and Covers

4 Sheets

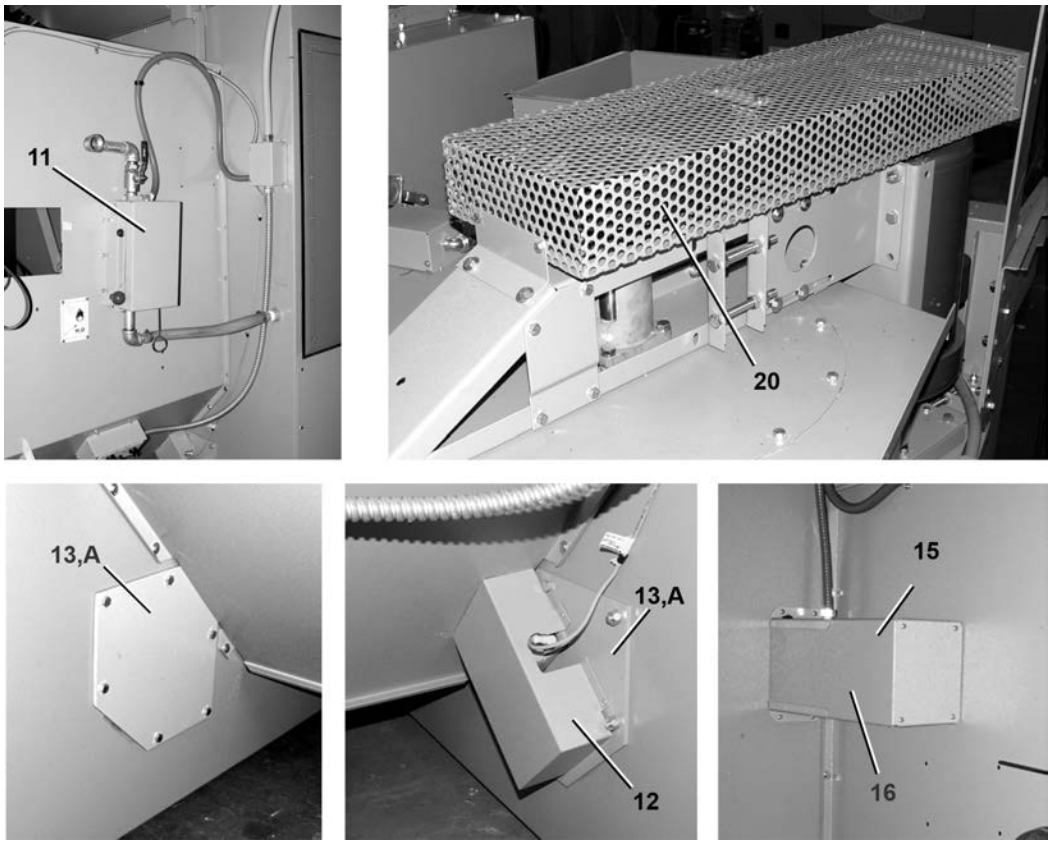
6450, 6458, 6464, 7676, 8282 Dryers

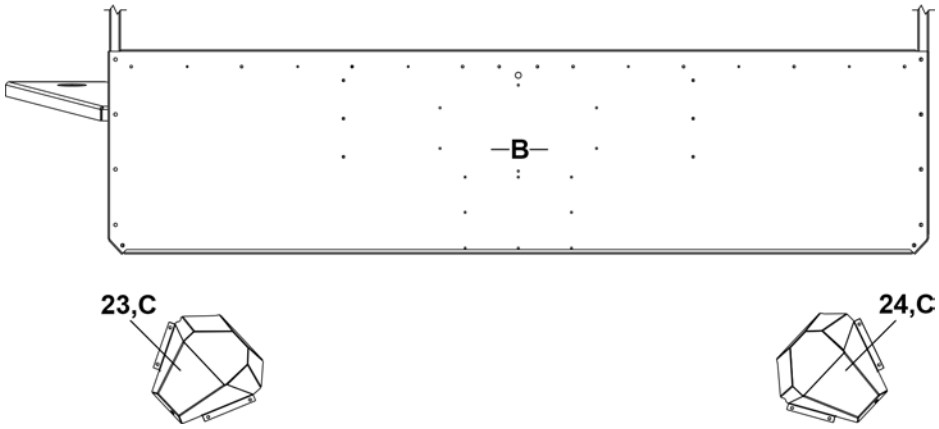
NOTE: Dryer side panels are only supplied on Stand-Alone Dryers and used on the side opposite the blower.

Guards and Covers

4 Sheets

6450, 6458, 6464, 7676, 8282 Dryers





Legend

A . . . Standard shroud bearing cover
B . . . Short shroud
C . . . Short shroud bearing

Guards and Covers

4 Sheets

6450, 6458, 6464, 7676, 8282 Dryers

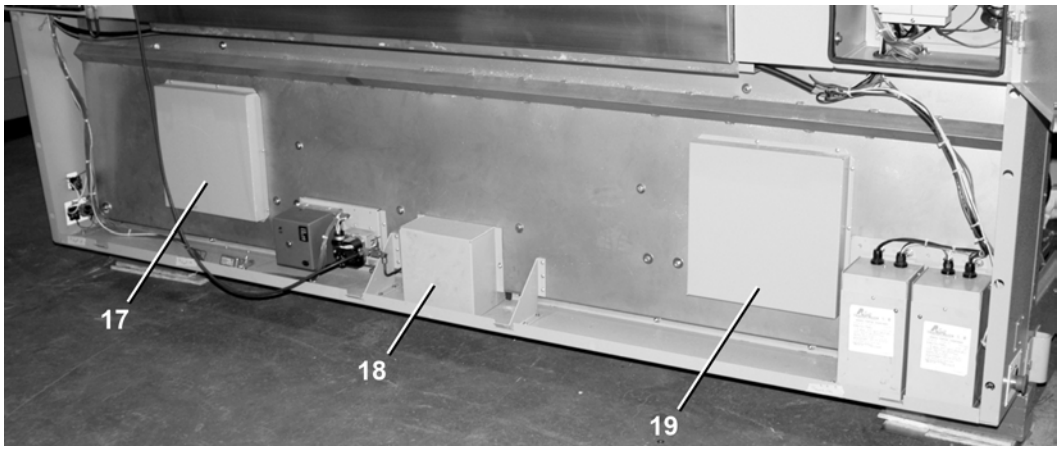


Table 2. Parts List—Guards and Covers

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.				
Used In	**Item**	**Part Number**	**Description/Nomenclature**	**Comments**
			Reference Assemblies	
	A			6450 Dryers
	B			6458 Dryers
	C			6464 Dryers
	E			7676 Dryers
	F			8282 Dryers
			Components	
B	3	A77SC001	6458 LOWER SIDE COVER ASSY	
C	3	A77SC010	6464 LOWER SIDE COVER ASSY	
E	3	A79SC001	7272 LOW CVR BLOWER SIDE	
B	4	07 71397	6458 HOUSE SIDE PLATE UPPER	
AC	4	07 72029	6464 HOUSE SIDE PLATE UPPER	
E	4	07 85397	7676 HOUSE SIDE PLATE	
F	4	07 88073	8282 HOUSE SIDE PANEL	
B	5	07 71435	6458 LINT SIDE LOWER COVER	
AC	5	07 72028	6464 LOWER SIDE COVER	
E	5	07 85397	7676 HOUSE SIDE PLATE	
F	5	07 88073	8282 HOUSE PANEL	
ABC	6	W7 71205A	64" DRYER FRONT COSMETIC LOWER DOOR WELD	
E	6	W7 85205	7676 FRONT COSMETIC LOWER DOOR HINGED WLMT	
F	6	W7 88102	8282 FRONT COSMETIC LOWER DOOR HINGED WLMT	
all	7	W3 D1356L	WELD:DOOR 6458TG1 DRYER LF LV	

Guards and Covers

4 Sheets

6450, 6458, 6464, 7676, 8282 Dryers

Table 2 Parts List—Guards and Covers (cont'd.)

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.

Used In	Item	Part Number	Description/Nomenclature	Comments
A	8	07 71201A	6464 FRONT COSM UPPER	
BC	8	07 71201W	6458 FRONT COSM UPPER	
E	8	07 85201	7676 COSMETIC UPPER MID COVER	
F	8	W7 88111	8282 FRONT COSMETIC UPPER MID COVER WLMT	
all	9	03 D1356R	DOOR: 6458TG1L DRYER HV	
ABC	10	07 71204W	6458 COSM LOWER THRESHOLD	
EF	10	07 81204	7272 FRONT COS THRESHOLD	
all	11	07 50428	SPRINKLER VALVE COVER DRYER	
ABC	12	07 71317	6458 REAR BEARING COVER	STANDARD SHROUD
E	12	07 81317	64,72,76" DRYER REAR BEARING COVER	STANDARD SHROUD
F	12	07 88125	8282 REAR BEARING COVER	STANDARD SHROUD
all	13	07 81280	64-76" DRYER SUPPORT BEAR MTG PLT	
all	15	07 71306	6458 TEMP PROBE BOX	
all	16	07 71307	6458 TEMP PROBE BOX COVER	
ABCE	17	07 71231	COVER BRG NO HOLE LF END	
F	17	07 88110	8282 FRONT BEARING COVER	
ABCE	18	W7 50129	64" DRYER GUIDE ROLLER COVER	
F	18	07 88117	8282 GUIDE ROLLER COVER	
all	19	07 71231A	COVER BRG NO HOLE RT END	
A	20	A7 50268C	6450 LF BLWR BELT GUARD ASMBLY - ANGLED	LEFT
A	20	A7 50268CA	5050 LF BLOWER BELT GUARD- ANGLED ASMBLY	RIGHT
BC	20	A77BA002	64" DRYER BLOWER BELT GUARD ASSY	
EF	20	A79BA002	72/76/82"DRYER BLOWER BELT GUARD ASSY	
all	21	27A108A	HINGE LIFTOFF LH EMKA#1056-U62 BLACK	
all	22	27A108B	HINGE LIFTOFF RH EMKA#1056-U63 BLACK	
E	23	W7 71317B	50-76" DRYER BRNG CVR SHORT-LEFT	SHORT SHROUD
F	23	A82BC001	8282 BRNG COVER SHORT ASSEMBLY	SHORT SHROUD
E	24	W7 71317D	50-76" DRYER BRNG CVR SHORT-RIGHT	SHORT SHROUD
F	24	A82BC001	8282 BRNG COVER SHORT ASSEMBLY	SHORT SHROUD
all	25	60A114	SELF-GRIP GASKET EMKA 1011-17	

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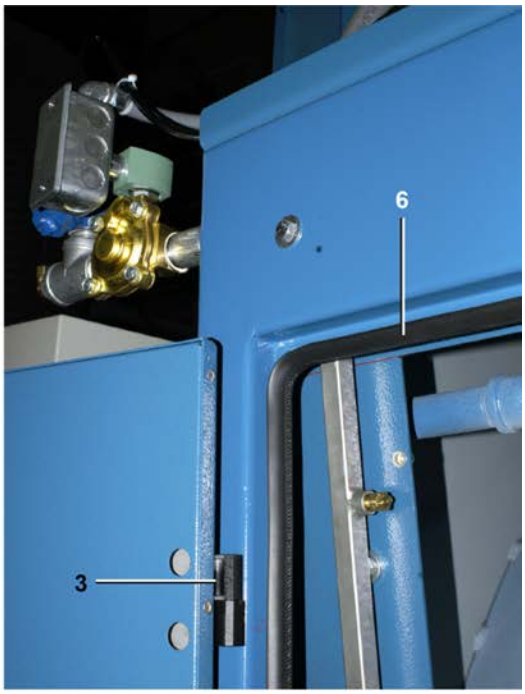
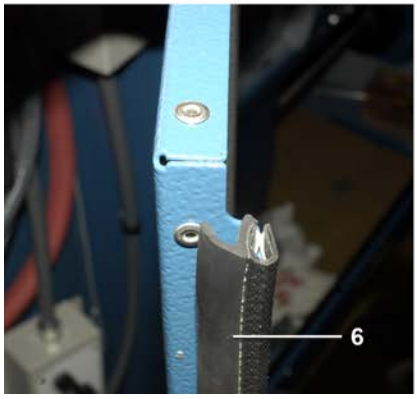
Side Doors

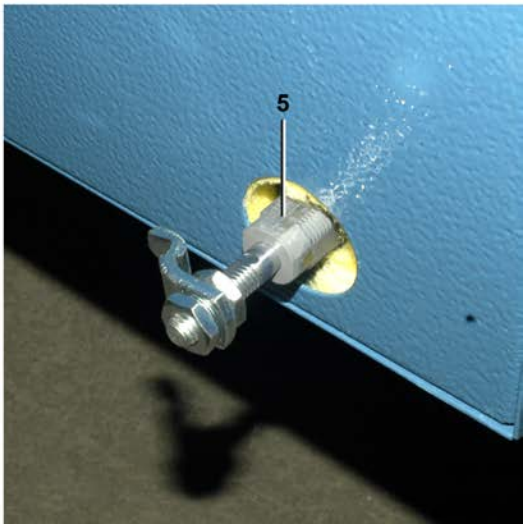
2 Sheets

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

Side Doors used on Dryers since 2014







Side Doors

2 Sheets

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

Table 3. Parts List—

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.

Used In	Item	Part Number	Description/Nomenclature	Comments
			Reference Assemblies	
	A		5050 DRYERS	REFERENCE
	B		6450 DRYERS	REFERENCE
	C		6458 DRYERS	REFERENCE
	D		6464 DRYERS	REFERENCE
	E		7676 DRYERS	REFERENCE
	F		8282 DRYERS	REFERENCE
			Components	
A	1	A74SD018A	5050 DOOR ASSY W/O LOCK	
B	1	A77SD030A	6450 SIDE DOOR ASSY W/O LOCK	
C	1	A77SD017C	6458 HINGED SIDE-DOOR ASSY W/O LOCK V2	
D	1	A77SD023C	6464 HINGED SIDE-DOOR ASSY W/O LOCK V2	
E	1	A79SD022A	7676 HINGED SIDE-DOOR W/O LOCK ASSY	
F	1	A82SD001A	8282 SIDE DOOR W/O LOCK	
A	2	A74SD018	5050 DOOR ASSEMBLY W/LOCK	
B	2	A77SD030B	6450 HINGED SIDE-DOOR ASSY W/LOCK V2	
C	2	A77SD017B	6458 HINGED SIDE-DOOR ASSY W/LOCK V2	
D	2	A77SD023B	6464 HINGED SIDE-DOOR ASSY W/LOCK V2	
E	2	A79SD023A	7676 HINGED SIDE-DOOR W/LOCK ASSY	
F	2	A82SD001	8282 SIDE DOOR W/LOCK	
all	3	27A108A	HINGE LIFTOFF LH EMKA#1056-U62 BLACK	
all	4	27A108B	HINGE LIFTOFF RH EMKA#1056-U63 BLACK	
all	5	27A102M	VISE-ACT.DBBIT.LATCH#E3-12-27	
all	6	60A114	SELF-GRIP GASKET EMKA 1011-17	

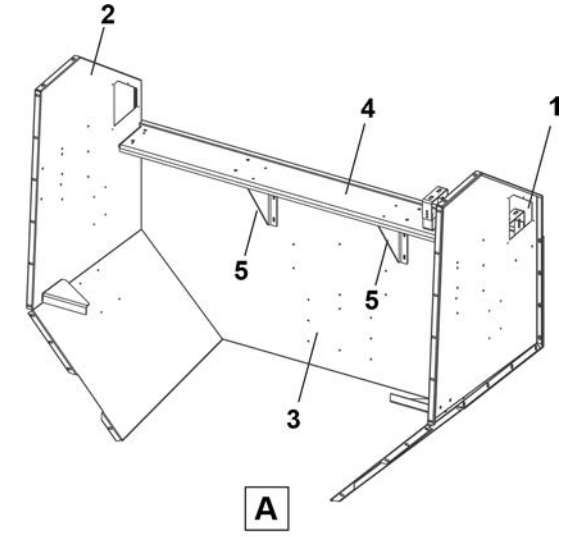
BPDD6M01 / 2022502 BPDD6M01.1 0000544522 A.3 A.5 12/7/22, 8:03 AM Canceled

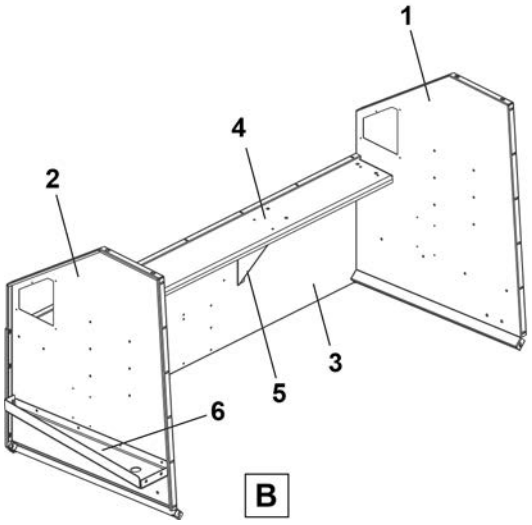
Unload Shrouds

3 Sheets

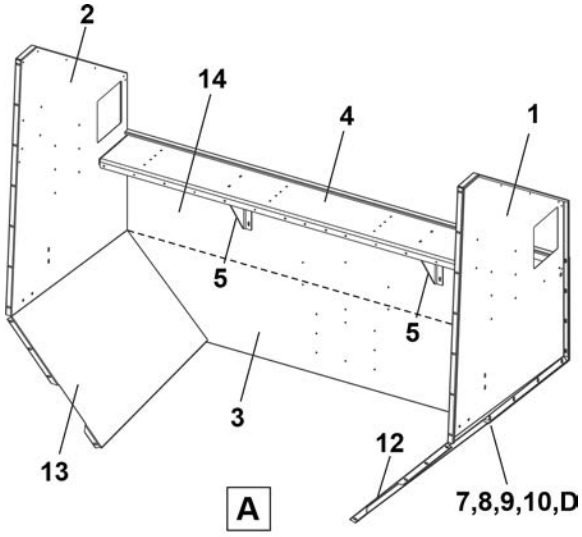
6458TG1L/R,TS1L/R; 6464TG1L/R,TS1L/R; 7676TG1L/R; 8282TG1IL/R

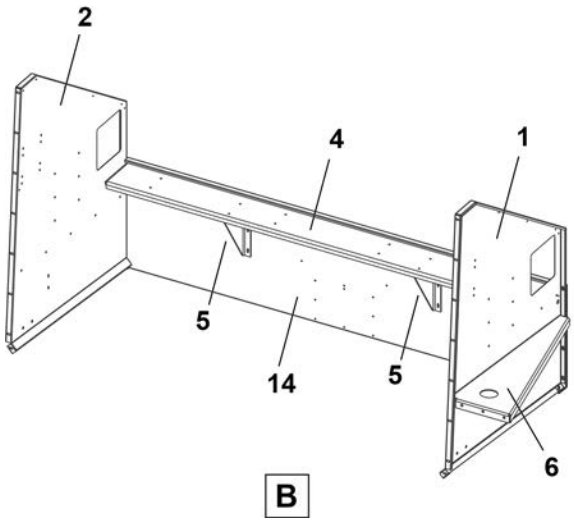
6458TG1L/R, TS1L/R; 6464TG1L/R, TS1L/R





7676TG1L/R; 8282TG1L/R





Legend

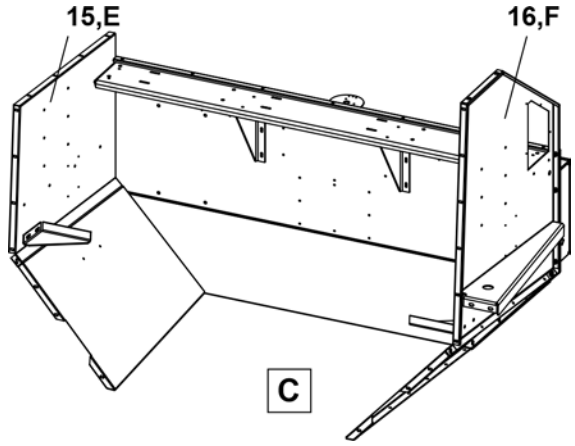
A . . . Standard shroud
B . . . Short shroud
D . . . Typical hardware all shrouds

Unload Shrouds

3 Sheets

6458TG1L/R,TS1L/R; 6464TG1L/R,TS1L/R; 7676TG1L/R; 8282TG1IL/R

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



Legend

C . . . Shroud for vacuum loading
E . . . Blower side
F . . . Firebox side

Table 4. Parts List—Unload Shrouds

Used In	Item	Part Number	Description/Nomenclature	Comments
Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.				
			Reference Assemblies	
	A			6458/6464 STANDARD SHROUD
	B			7676 STANDARD SHROUD
	C			6458/6464 SHORT SHROUD
	D			7676 SHORT SHROUD
	E			8282 STANDARD SHROUD
	F			8282 SHORT SHROUD
	G			6458/6464 VACUUM LOADING SHROUD
			Components	
A	1	07 71150A	6458 UNLOAD SHROUD RIGHT	
B	1	07 71505C	64" DRYER SHROUD SHORT CHAMFER - RT	
C	1	07 85150	7676 UNLOAD SHROUD RIGHT	
D	1	07 81505	7272 UNLOAD SHROUD RT SHORT	
EF	1	07 88123	8282 SHROUD SHORT CHAMFER-RT	
A	2	07 71150B	6458 UNLOAD SHROUD LEFT	
B	2	07 71505D	64" DRYER SHROUD SHORT CHAMFER-LF	
C	2	07 85151	7676 UNLOAD SHROUD LEFT	
D	2	07 81505A	7272 UNLOAD SHROUD LF SHORT	

Unload Shrouds

3 Sheets

6458TG1L/R,TS1L/R; 6464TG1L/R,TS1L/R; 7676TG1L/R; 8282TG1IL/R

Table 4 Parts List—Unload Shrouds (cont'd.)

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.

Used In	Item	Part Number	Description/Nomenclature	Comments
EF	2	07 88123A	8282 SHROUD SHORT CHAMFER-LT	
A	3	07 71152	6458 UNLOAD SHROUD BACK PLT	
B	3	07 71506	6458 UNLOAD SHROUD BACK =SHT	
C	3	07 85152	7676 UNLOAD SHROUD BACK PLT	
D	3	07 85152A	7676 UNLD SHROUD BACK-SHORT	
EF	3	07 88121	8282 UNLOAD SHROUD EXTENSION BACK	
AB	4	07 71154	64"DRYER GAS PIPE SUPP PLT	
CD	4	07 85154	7676 SHROUD GAS PIPE SUPPORT PLATE	
EF	4	07 88122	8282 GAS PIPE SUPP PLT	
all	5	07 71156	6458 PIPE SUPP GUSSET BKT	
AB	E6	W7 71507	6458 SHORT SHROUD GUSSET LFT	
CD	6	W7 81507	7272 SHORT SHROUD GUSSET LF	
EF	6F	07 88126	8282 SHORT SHROUD GUSSET	
all	7	15K037	HEXCAPSCR 1/4-20UNC2AX5/8 GR5	
all	8	15U180	LOCKWASHER MEDIUM 1/4 ZINCPL	
all	9	15U185	FLATWASHER(USS STD) 1/4" ZNC P	
all	10	15G165	HXNUT 1/4-20UNC2BSAE ZC GR2	
all	11	09H026V37	BEACON ROTARY 90MM AMBER CE	
E	12	07 88120	8282 UNLOAD SHROUD EXTENSION RIGHT	
E	13	07 88120A	8282 UNLOAD SHROUD EXTENSION LEFT	
EF	14	07 88124	8282 UNLOAD SHROUD BACK PLT	
G	15	07 71505E	6458 RT VAC LOADING SHROUD BLOWER SIDE	
G	16	07 71505H	6458 RT VAC LOADING SHROUD FB SIDE	

2 Installation

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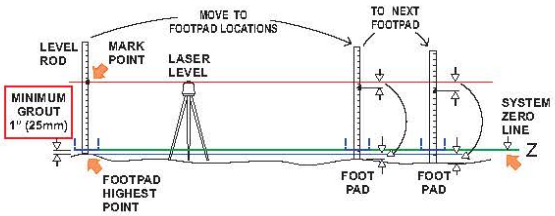
ATTENTION INSTALLERS!

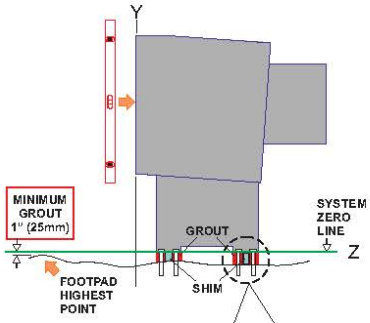
FLOOR IS UNEVEN

- 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.



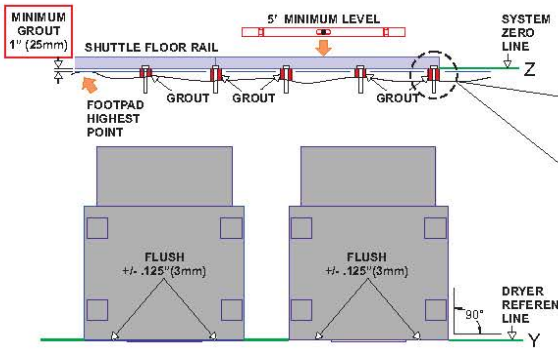
DRYER FEET MUST BE GROUTED

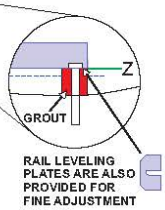
- Shim & level to System Zero Line or Z.
- Grout & anchor all brackets.

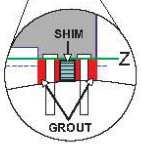


SHUTTLE RAIL BRACKETS MUST BE GROUTED TO Z

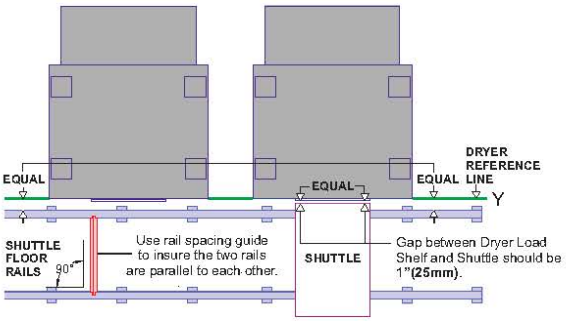
- Shim & level to System Zero Line or Z.
- Grout & anchor all brackets.

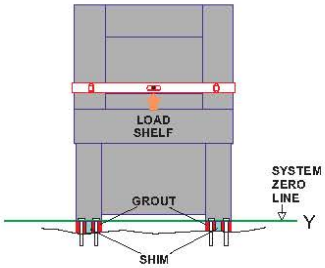






DRYER FACES MUST BE FLUSH





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

BNDUUI02 / 2025226 BNDUUI02 0000765280 A.3 5/30/25, 3:13 PM Canceled

2.1 Dryer Assembly and Setting

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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.

2.1.1 Handling Precautions

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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: 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: Spreader Bar Between Front Lifting Plates, page 26) 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

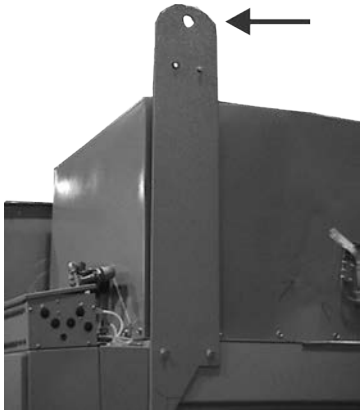


Figure 2. Rear Lifting Bracket

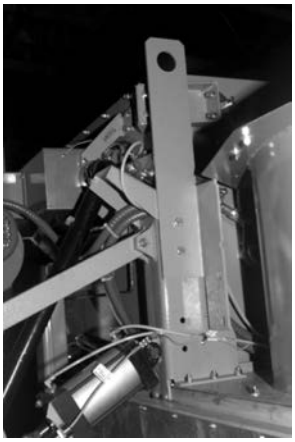
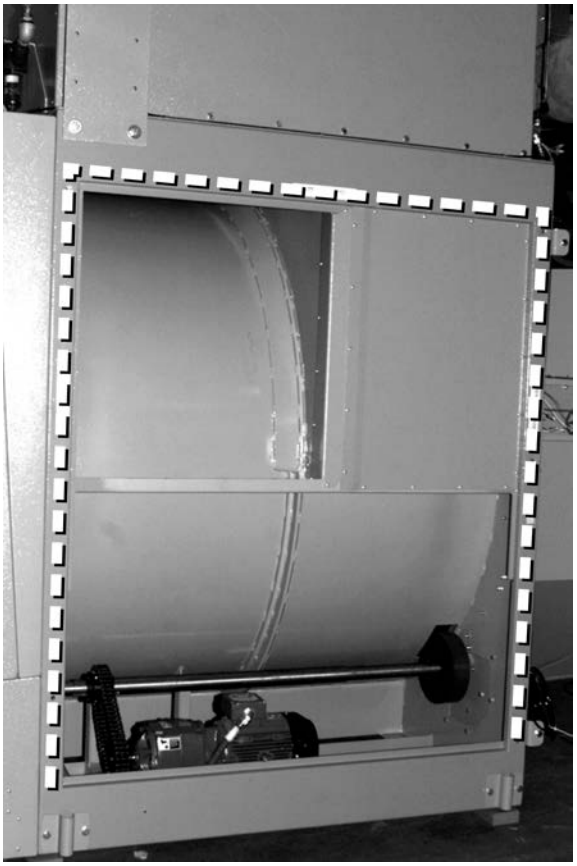


Figure 3. Spreader Bar Between Front Lifting Plates

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



2.1.2 Site Requirements

BNDUUI02.C02 0000765276 A.2 A.3 5/30/25, 3:13 PM Canceled

2.1.2.1 Dryer Environment

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

2.1.2.2 Clearances

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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 combustible 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.

2.1.2.3 Foundation

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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.

2.1.3 Assembly

BNDUUI02.C06 0000765589 A.2 A.3 5/30/25, 3:13 PM Canceled

2.1.3.1 Installing the Legs on the House

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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: Apply sealing foam to left house before setting into position, page 26).
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: Spreader Bar Between Front Lifting Plates, page 26).
8. Carefully move the machine into place.
9. Repeat the assembly process as required for the adjacent machine (if paired).

2.1.3.2 Anchoring

BNDUUI02.C08 0000765587 A.2 A.3 5/30/25, 3:13 PM Canceled

WARNING: 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.**

2.1.3.3 Leveling Procedures

BNDUUI02.C09 0000765586 A.2 A.3 5/30/25, 3:13 PM Canceled

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.

2.1.3.4 Machine-to-Machine Brackets

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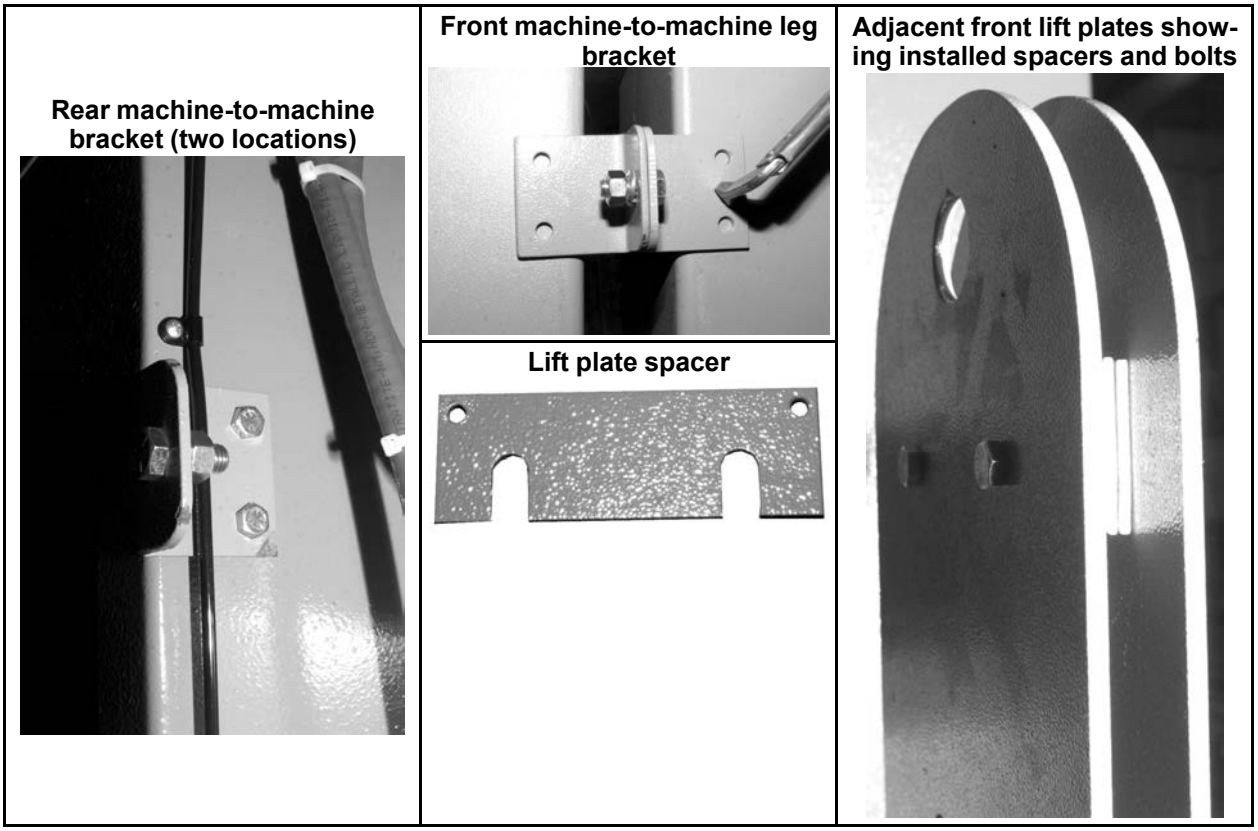
Machine to machine brackets hold paired dryers in place after each machine is anchored and leveled. Install these brackets as follows:

- Install the rear brackets (Figure 5: Machine-to-Machine Brackets and Spacers, page 29).
- Assemble front machine-to-machine leg bracket. Mark and drill mounting holes and install the leg bracket (Figure 5, page 29).
- 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, page 29). Tighten bolts when done.

Figure 5. Machine-to-Machine Brackets and Spacers



2.1.3.5 Check Cylinder Interior

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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.

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Lifting Brackets

2 Sheets

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

Figure 6. 5050, 6450, 6458, 6464, 7676, and 8282 Dryers (7676 Shown)

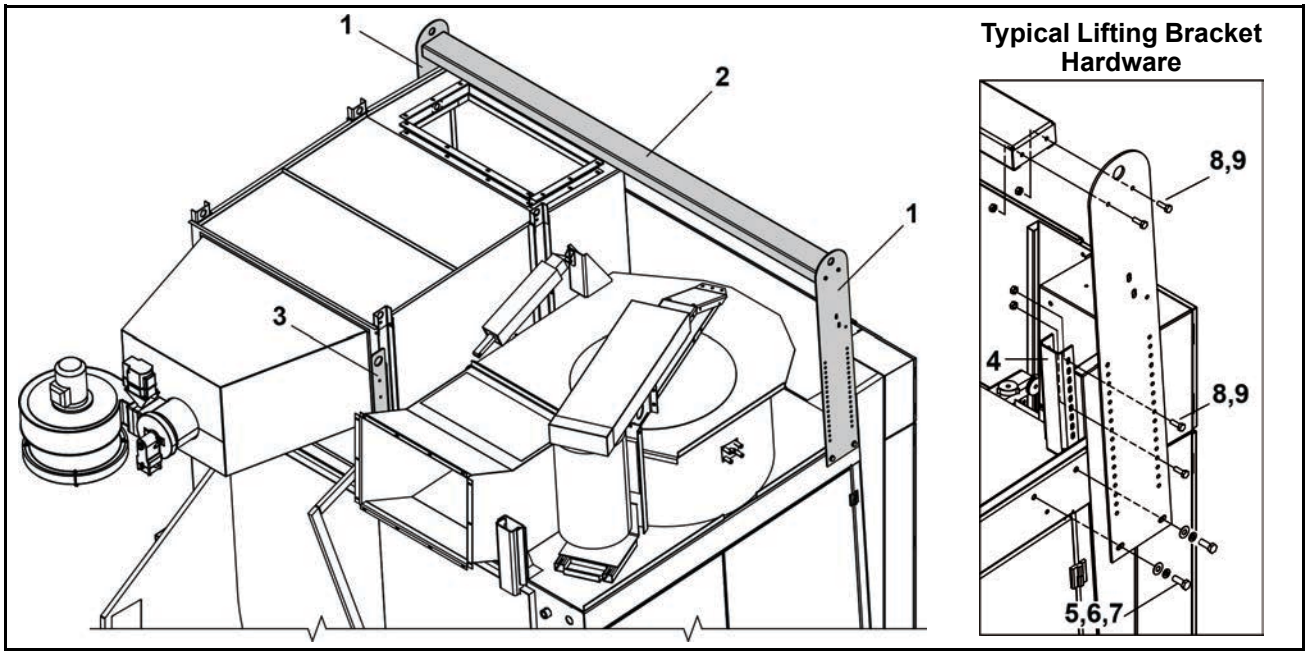
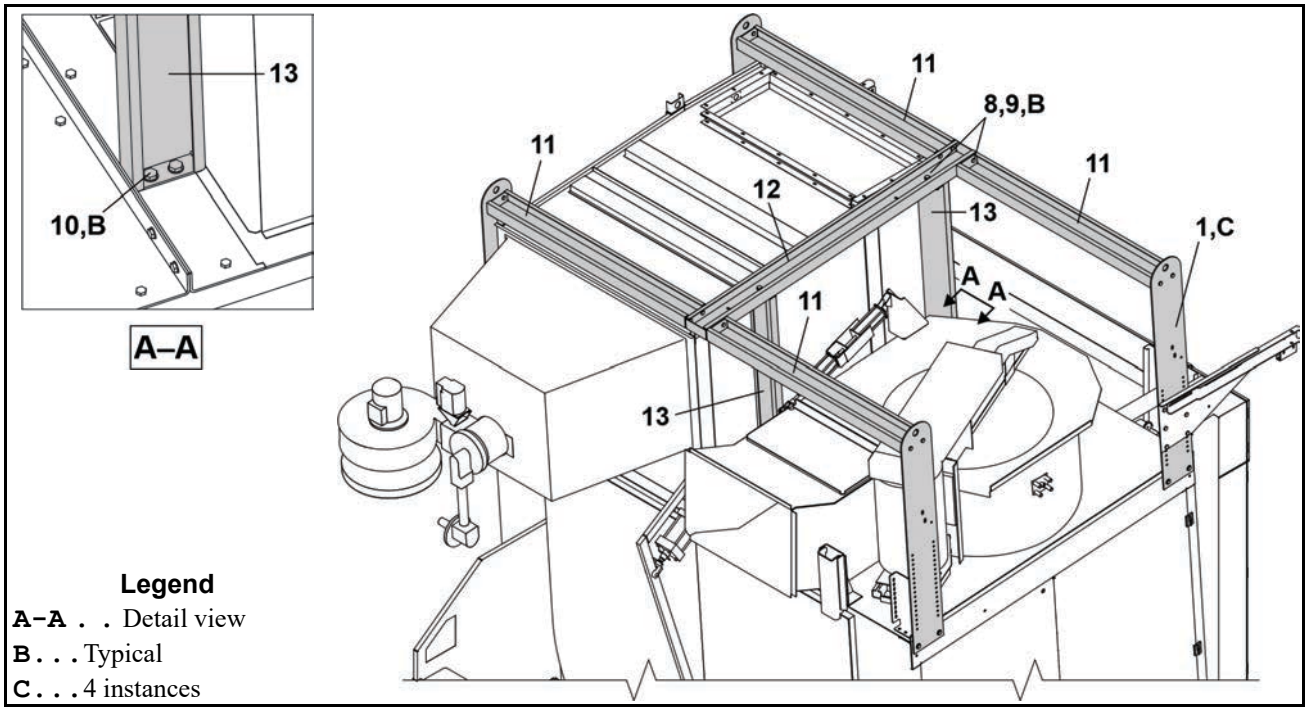


Figure 7. 8282 Dryers



Lifting Brackets

2 Sheets

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

Table 5. Parts List—Lifting Brackets

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.

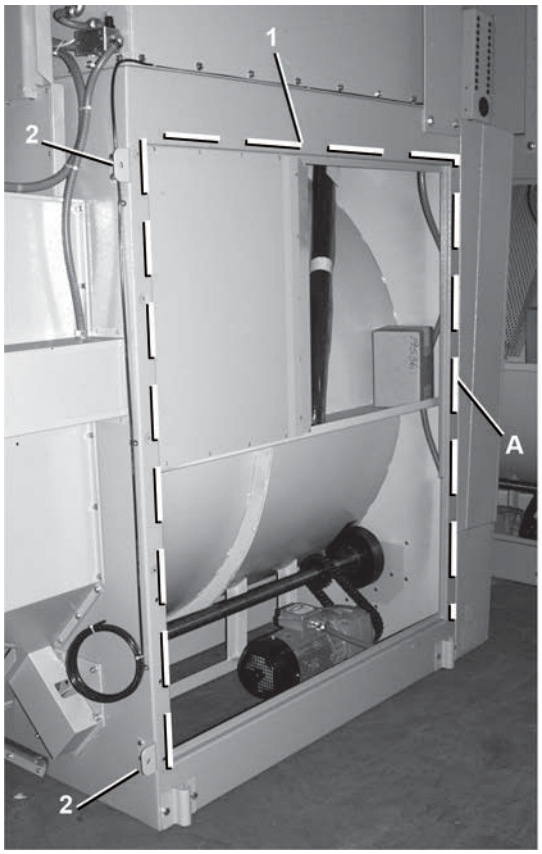
Used In	Item	Part Number	Description/Nomenclature	Comments
			Reference Assemblies	
B			5050 DRYERS	
C			6450 DRYERS	
D			6458 DRYERS	
E			6464 DRYERS	
G			7676 DRYERS	
H			8282 DRYERS	
			Components	
BDE	1	07 71315	DRYER LIFT BRKT STANDARD=41.50	
C	1	07 71315B	6450 DRYER LIFT BRKT=44.50	
G	1	07 85315A	DRYER LIFT BRKT TALL=51.50	
H	1	07 88092	8282 DRYER LIFT BRKT	
B	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	
B	3	07 44076	5040 REAR LIFTING BRACKET	
CDE	3	07 71183A	6458A REAR LIFTING BRACKET	
G	3	07 71183B	DRYER REAR CHANNEL LIFTING BRACKET	
H	3	07 88096	8282 VT LIFTING BRKT	
B-H	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	

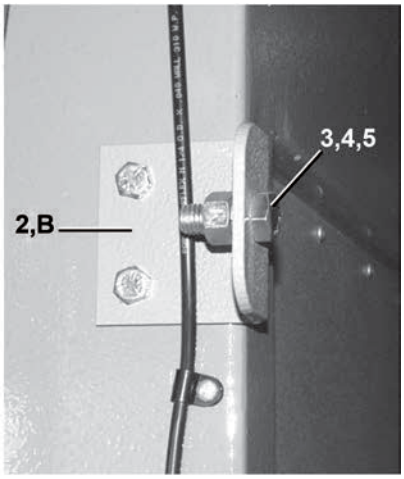
BPDUUM03 / 2022252 BPDUUM03.1 0000481076 A.3 A.7 6/14/22, 11:03 AM Canceled

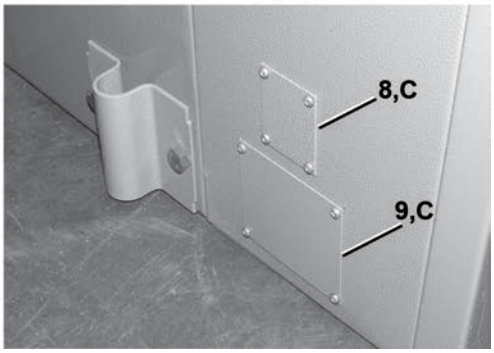
Dryer to Dryer Mounting Parts

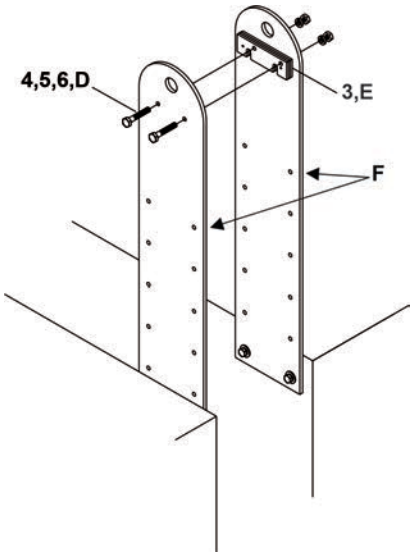
2 Sheets

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









Legend

A . . . 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)

B . . . Mounting brackets are used to join left and right machines on the rear of the house and to join the pedestal legs.

C . . . Covers for nameplate and emergency stop replacement.

D . . . Typical

E . . . Shim

F . . . Lifting brackets on the left and right machines are joined using shims and bolts.

Dryer to Dryer Mounting Parts

2 Sheets

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

Table 6. Parts List—Dryer to Dryer Mounting Parts

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.				
Used In	**Item**	**Part Number**	**Description/Nomenclature**	**Comments**
Components				
all	1	60A008A	1" X 1" CLOSED CELL NEO SPONGE W/ADH.STRIP	
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	

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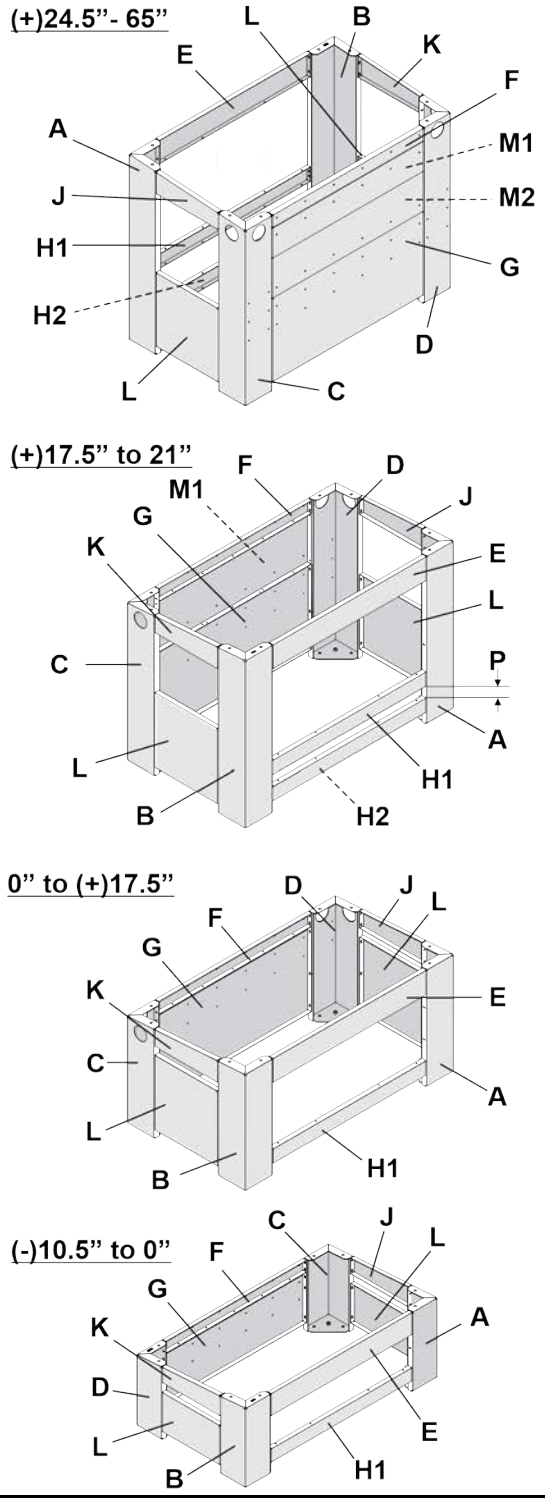
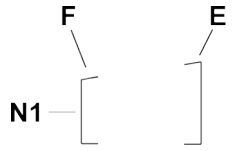
Pedestal Base Installation

4 Sheet

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

Figure 8. Placement of Components with Regard to Pedestal Height





Legend

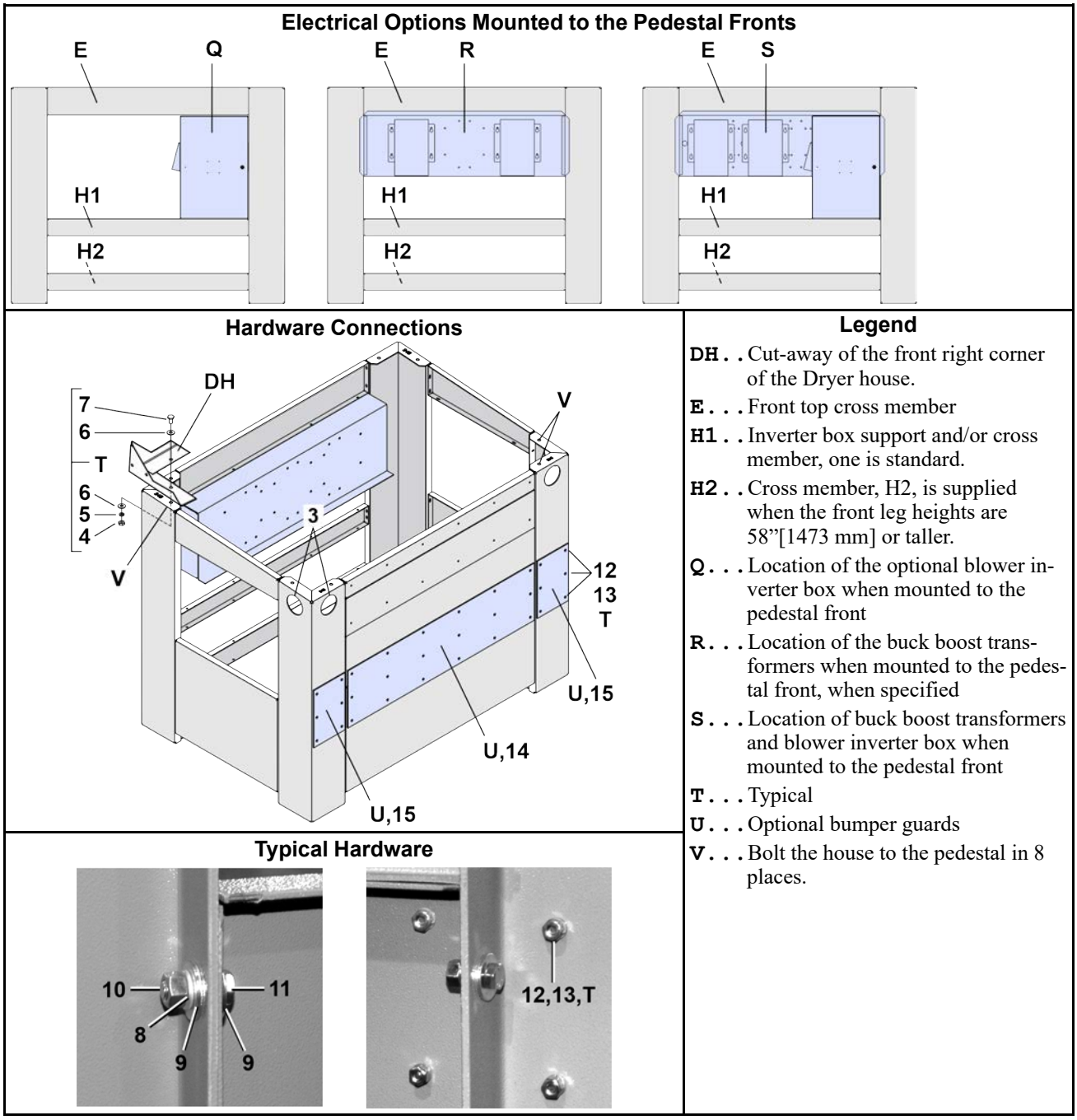
A . . . Front right leg
B . . . Front left leg
C . . . Rear right leg
D . . . Rear left leg
E . . . Front top cross member
F . . . Rear top cross member
G . . . Rear bottom panel
H1 . . Inverter box support or cross member, one is always supplied.
H2 . . Second cross member is supplied when the front leg heights are 58” [1473 mm] or taller.
J . . . Right side top angled panel
K . . . Left side top angled panel
L . . . Side bottom panels
M1 . . Rear filler panels, together M1 and M2 equal the positive pedestal height ordered.
M2 . . Second rear filler panel, if required
N1 . . Note: The front top cross member (item E) and the rear top cross member (item F) are angled to match the Dryer’s 4 degree rear tilt, this angle may not be immediately apparent. 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.
P . . . Varies

Pedestal Base Installation

4 Sheet

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

Figure 9. Pedestal Options and Hardware Connections

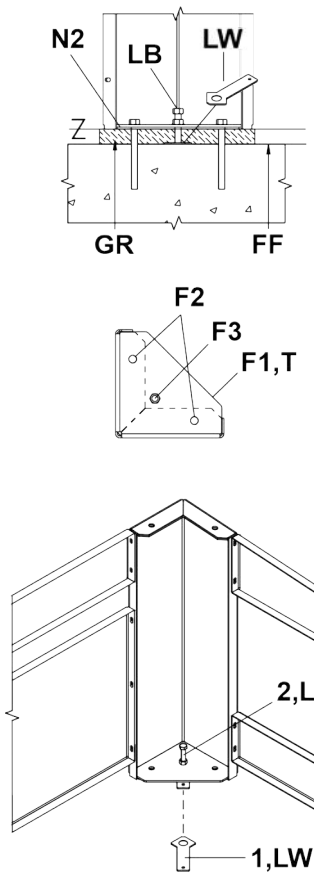


Pedestal Base Installation

4 Sheet

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

Figure 10. Anchoring



Legend

FF. . Finished floor
F1. . Pedestal leg base plates
F2. . Anchor bolt holes
F3. . Leveling bolt hole
GR. . Grout
LB. . Leveling bolt
LW. . Leveling bolt washer
N2. . Note: Pedestal leg base plates (feet) provide substantial grouting surface between the pedestal leg and the finished floor. Shim and use the leveling bolts to level the Dryer to Baseline "Z" (or System Zero Line). Grout and anchor all base plates. See the Dryer model's dimensional drawing and the "Attention Installers" page in the manual and affixed to the machine.
T. . . Typical

Table 7. Parts List—Pedestal Base Installation

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.				
Used In	**Item**	**Part Number**	**Description/Nomenclature**	**Comments**
Reference Assemblies				
	A	G77PD030	DRYER PEDESTAL STANDARD HARDWARE	
Components				
all	1	07 71579	DRYER JACKING BOLT WASHER	
all	2	15K226	HXTAPSCR 5/8-11UNC2AX3 GR5 ZIN	
all	3	12P14KSB	SNAPBUSH 5.0" X 4.75" X .75	
all	4	15G230	HXNUT 1/2-13UNC2B SAE ZINC GR2	
all	5	15U300	LOKWASHER REGULAR 1/2 ZINC PLT	
all	6	15U490	FLTWASH 1+1/2X17/32X1/4 ZINC	
all	7	15K191	HXCAPSCR 1/2-13UNC2AX2.5 GR5 Z	
all	8	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	

Pedestal Base Installation

4 Sheet

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

Table 7 Parts List—Pedestal Base Installation (cont'd.)

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.

Used In	Item	Part Number	Description/Nomenclature	Comments
all	9	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	10	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	11	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	12	15N176	FLATMACSCR 1/4-20NCX3/4SS18-8	
all	13	15G164NE	HEXLOKNUT NYL 1/4-20 UNC2A SS.	
	14	07 71403	6458 BUMPER PAD-16"WX60"LG	5050, 6450, 6458, 6464 Dryers
	14	07 81403	7272 BUMPER PAD	7676 Dryers
all	15	07 71404	6458 BUMPER PAD-16"WX10"LG	

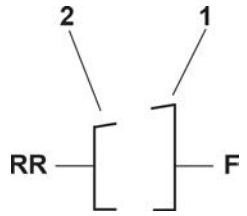
BPDD6L01 / 2022465 BPDD6L01.1 0000531819 A.3 A.4 11/10/22, 11:34 AM Canceled

Pedestal Base

6 Sheets

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

Cross Brace



Legend

A . . . Location of the optional inverter box, if supplied.

F . . . Front

L . . . Left

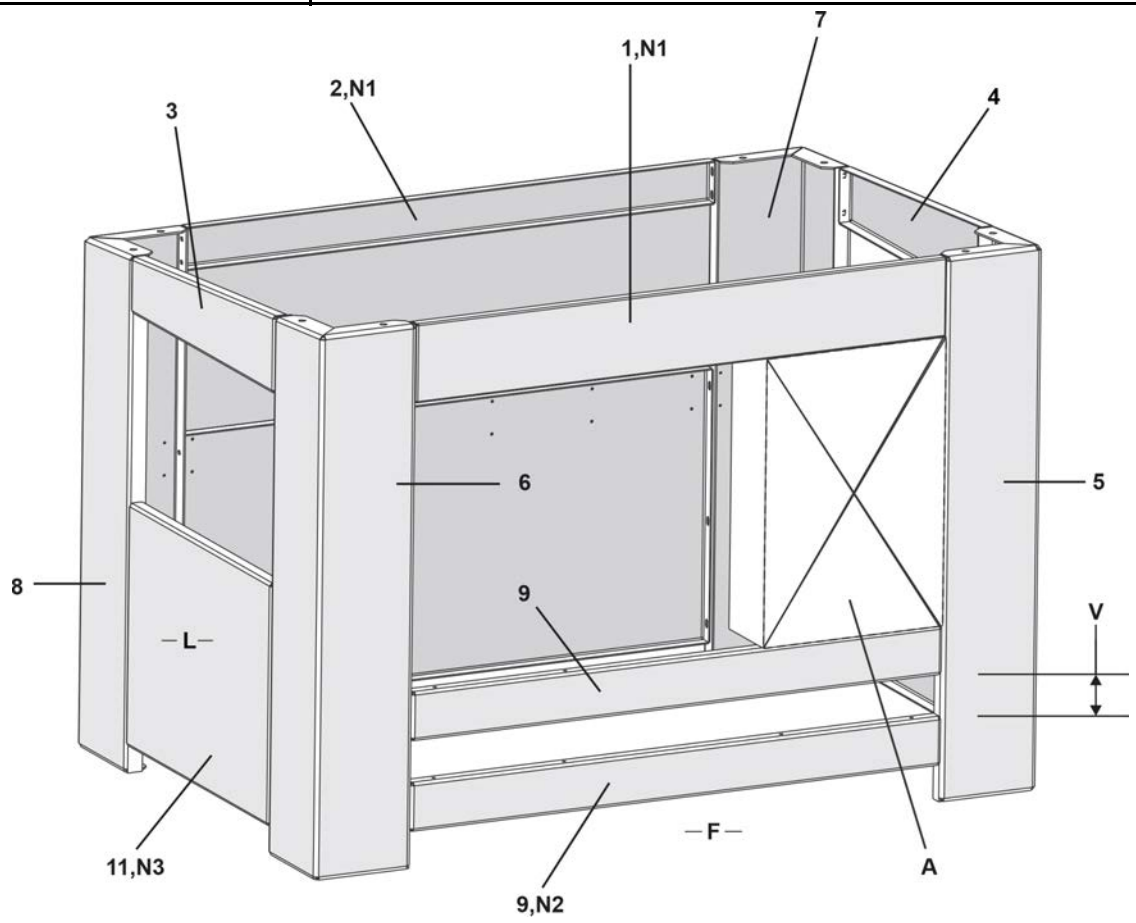
RR . . Rear

V . . . Varies

N1 . . 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.

N2 . . Items 9 are used only in pedestals where the front leg heights are 58" [1473MM] or taller.

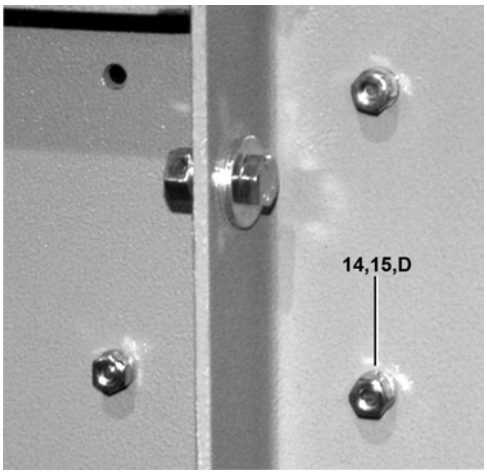
N3 . . Item 11 is only supplied with pedestals where the front leg heights are 46-1/4" [1174MM] or taller.



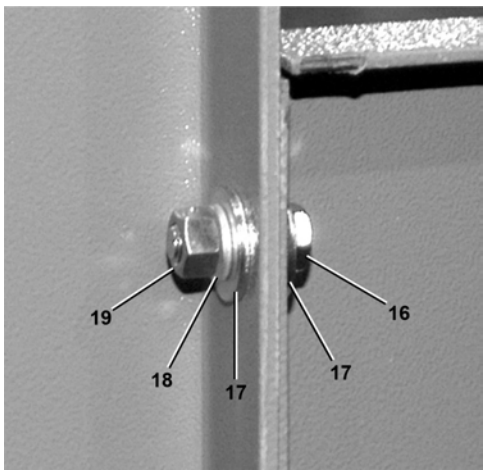
Pedestal Base

6 Sheets

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



Typical 3/8" Bolts



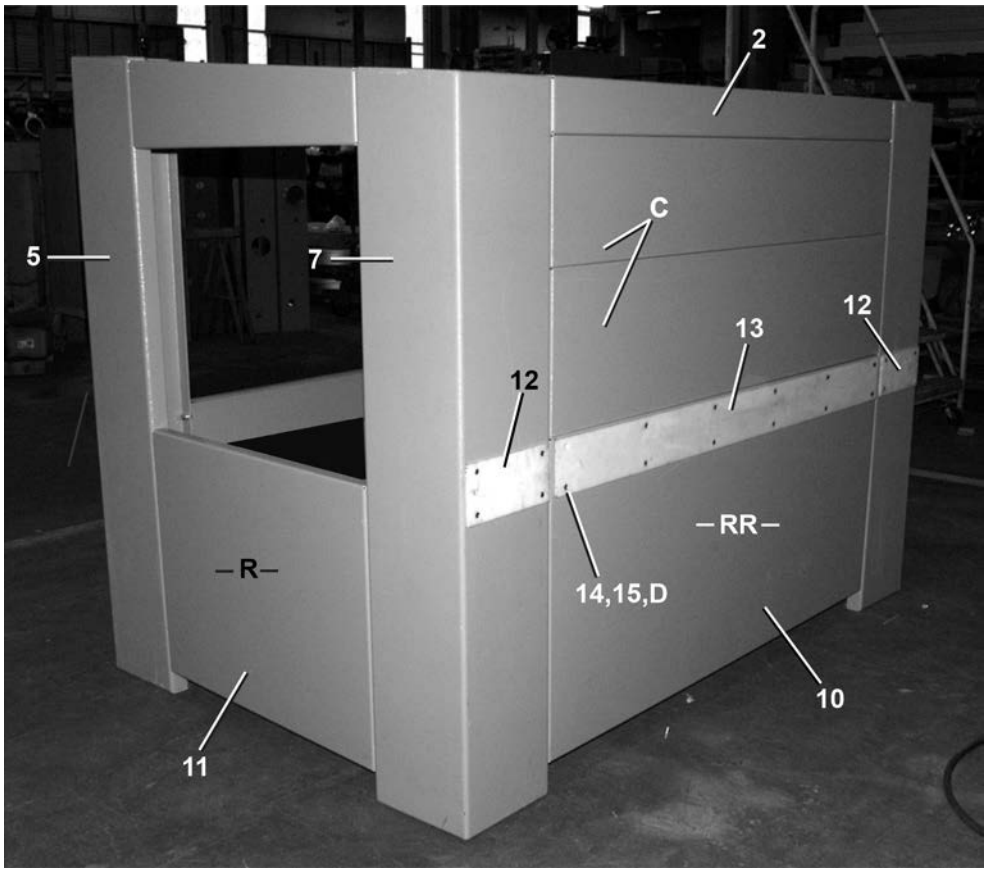
Legend

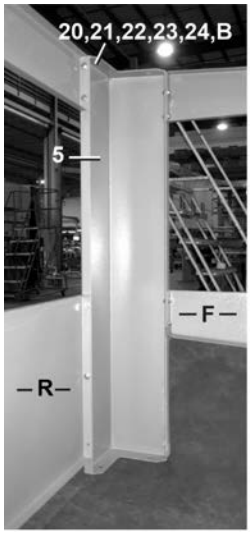
D . . . Bumper guard bolts, 20 places
R . . . Right

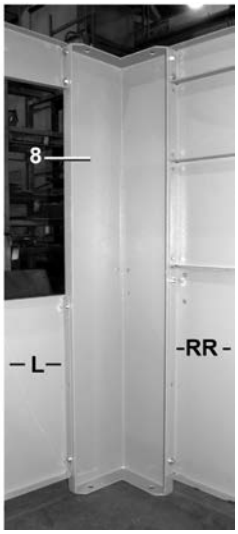
Pedestal Base

6 Sheets

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







Legend

B . . . Typical 8 places
C . . . Filler pieces vary with height.
D . . . Bumper guard bolts, 20 places
F . . . Front
L . . . Left
R . . . Right
RR . . Rear

Pedestal Base

6 Sheets

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

Table 8. Front Legs

Pedestal Order Height (inches)	Leg Length (inches)	Item 5 Part Number	Item 6 Part Number
0.0	40.968	07–71320	07–71320A
1.75	42.718	07–71322	07–71322A
3.5	44.468	07–71324	07–71324A
5.25	46.218	07–71326	07–71326A
7.0	47.968	07–71328	07–71328A
8.75	49.718	07–71330	07–71330A
10.5	51.468	07–71332	07–71332A
12.25	53.218	07–71334	07–71334A
14.0	54.968	07–71336	07–71336A
15.75	56.718	07–71338	07–71338A
17.5	58.468	07–71340	07–71340A
19.25	60.218	07–71342	07–71342A
21.0	61.968	07–71344	07–71344A
22.75	63.718	07–71346	07–71346A
24.5	65.468	07–71348	07–71348A
26.25	67.218	07–71350	07–71350A
28.0	68.968	07–71352	07–71352A
29.75	70.718	07–71354	07–71354A
33.25	74.218	07–71356	07–71356A
35.00	75.968	07–71358	07–71358A
36.75	77.718	07–71360	07–71360A
38.50	79.468	07–71362	07–71362A
31.50	72.468	07–71300	07–71300A
-3.5	34	07–71389B	07–71389C
-7	30.5	07–71389	07–71389A

Pedestal Base

6 Sheets

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

Table 9. Rear Legs

Pedestal Order Height (inches)	Leg Length (inches)	Item 7 Part Number	Item 8 Part Number
0.0	37.8	07–71321	07–71321A
1.75	39.55	07–71323	07–71323A
3.5	41.3	07–71325	07–71325A
5.25	43.05	07–71327	07–71327A
7.0	44.8	07–71329	07–71329A
8.75	46.55	07–71331	07–71331A
10.5	48.3	07–71333	07–71333A
12.25	50.05	07–71335	07–71335A
14.0	51.8	07–71337	07–71337A
15.75	53.55	07–71339	07–71339A
17.5	55.3	07–71341	07–71341A
19.25	57.05	07–71343	07–71343A
21.0	58.8	07–71345	07–71345A
22.75	60.55	07–71347	07–71347A
24.5	62.3	07–71349	07–71349A
26.25	64.05	07–71351	07–71351A
28.0	65.8	07–71353	07–71353A
29.75	67.55	07–71355	07–71355A
33.25	71.05	07–71357	07–71357A
35.00	72.80	07–71359	07–71359A
36.75	74.55	07–71361	07–71361A
38.50	76.30	07–71363	07–71363A
31.50	69.300	07–71301	07–71301A
-3.5	30.8	07–71390B	07–71390C
-7	27.3	07–71390	07–71390A

Pedestal Base

6 Sheets

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

Table 10. Parts List—Pedestal Base

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.

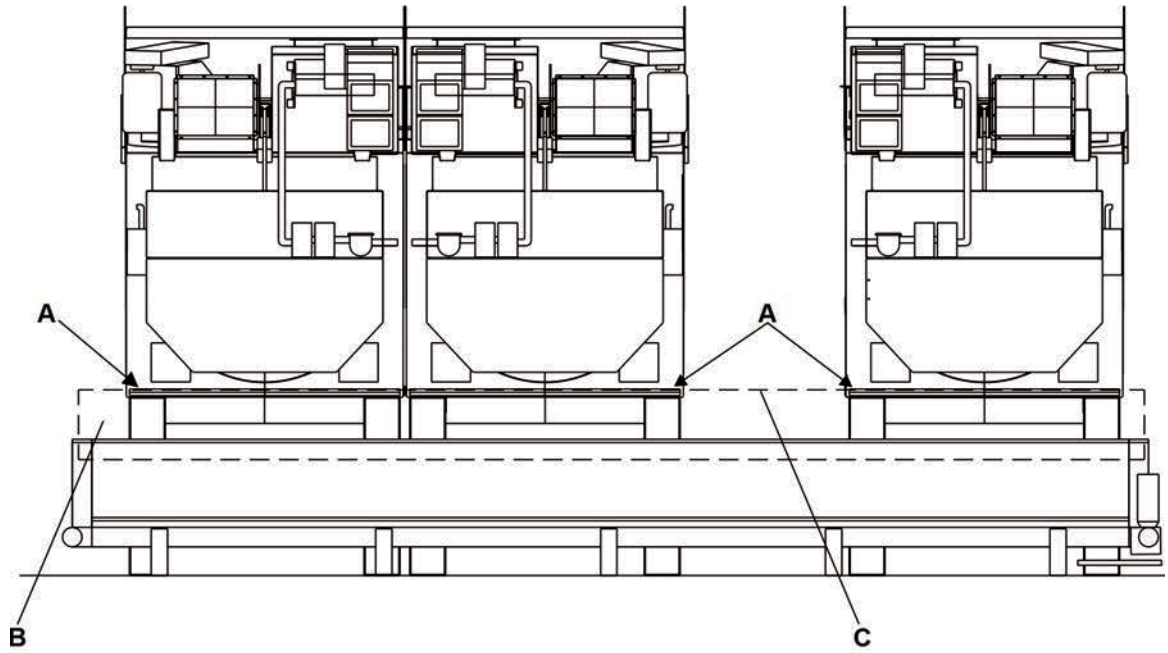
Used In	Item	Part Number	Description/Nomenclature	Comments
			Components	
all	1	07 71391	6458 DRYER BASE FILLER TOP FT	
all	2	07 71392	6458 DRYER BASE FILLER TOP RR	
all	3	07 71395	6458 DRYER BASE FILL DRV RITE	6458 DRYERS
all	3	07 72041	6464 DRYER BASE FILL DRV RIGHT	6464 DRYERS
all	4	07 71395A	6458 DRYER BASE FILL DRV LEFT	6458 DRYERS
all	4	07 72041A	6464 DRYER BASE FILL DRV LEFT	6464 DRYERS
all	5	07 71300	6458/64 = 31.5" PED FRONT RIGHT	
all	6	07 71300A	6458/64=31.5" PED FRONT LEFT	
all	7	07 71301	64" DRYER=31.5" PED REAR RIGHT	
all	8	07 71301A	64" DRYER=31.5" PED REAR LEFT	
all	9	07 71418	6458 DRYER FILLER INVERTER BOX	(2) USED FOR 17.5" PEDESTALS & HIGHER
all	10	07 71402	6458 DRYER BASE FILLER-REAR	
all	11	07 71396	6458 DRYER BASE FILL DRV LOW	6458 DRYERS
all	11	07 72042	6464 DRYER BASE FILL DRV LOW	6464 DRYERS
all	12	07 71404	6458 BUMPER PAD-16"WX10"LG	
all	13	07 71403	6458 BUMPER PAD-16"WX60"LG	
all	14	15G164NE	HEXLOKNUT NYL 1/4-20 UNC2A SS.	
all	15	15N176	FLATMACSCR 1/4-20NCX3/4SS18-8	
all	16	15K095	HXCPSCR 3/8-16UNC2AX1 GR5 ZINC	
all	17	15U240	FLATWASHER(USS STD) 3/8" ZNC P	
all	18	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
all	19	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
all	20	15K162	HXCAPSCR 1/2-13UNC2AX1.5 GR5 P	
all	21	15U490	FLTWASH 1+1/2X17/32X1/4 ZINC	
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	

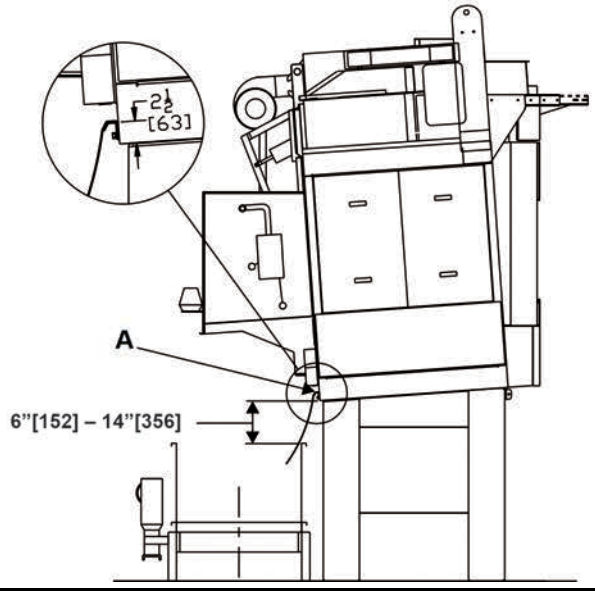
BPDUUM06 / 2022253 BPDUUM06.1 0000486687 A.3 A.5 6/16/22, 9:31 AM Canceled

Unload Bridge Installation

2 Sheets

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





Legend

A . . . Mounting bracket 001
B . . . Plastic sheeting length as specified
C . . . Plastic sheeting requires field innovation to support it between dryers

Unload Bridge Installation

2 Sheets

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

Table 11. Parts List—Unload Bridge Installation

Find the assembly for your machine and the letter shown in the "Item" column. The components for your machine will show this letter or the word "all" in the "Used In" column. The numbers shown in the "Item" column are those shown in the illustrations.

Used In	Item	Part Number	Description/Nomenclature	Comments
			Reference Assemblies	
	B			5050 DRYERS
	C			6450, 6458 DRYERS
	D			6464 DRYERS
	F			7676 DRYERS
	G			8282 DRYERS
			Components	
B	1	07 44230	5040 UNLOAD BRIDGE TO CONV	
CD	1	07 71568	6458 UNLOAD BRIDGE TO CONV	
F	1	07 71569	7272 UNLOAD BRIDGE TO CONV	
G	1	07 88094	8282 UNLOAD BRIDGE TO CONV	

BNDDUI01 / 2022242 BNDDUI01 A.3

2.2 Air and Duct Requirements for Milnor® Pass-through Dryers

BNDDUI01.C01 0000086779 A.10 A.11 A.3 Canceled

NOTICE: This document, along with the document BNDUUI01 “Utility Requirements for Gas, Steam, and Thermal Oil Dryers” gives air and duct requirements for Milnor® pass-through dryers. It also provides limited guidance for the layout of ducts. Pellerin Milnor Corporation accepts no responsibility for duct design or liability for damage or injury caused by ducts.

2.2.1 Air Requirements

BNDDUI01.C02 0000086790 A.10 A.3 Canceled

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

2.2.1.1 Air Flow

BNDDUI01.C03 0000086789 A.10 A.11 A.3 Canceled

All Milnor pass-through dryers move air, called main air, through the goods. The quantity of main air specified in document BNDUUI01 “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 BNDUUI01 “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.

2.2.1.2 Back Pressure

BNDDUI01.C04 0000086788 A.10 A.3 Canceled

The total pressure drop imposed by all external components that the main air must pass through (examples: ducts, 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: 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.

2.2.2 Duct Requirements

BNDDUI01.C05 0000086787 A.10 A.3 Canceled

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

2.2.2.1 Is an Inlet Duct Necessary?

BNDDUI01.C06 0000086786 A.10 A.11 A.3 Canceled

Use an inlet duct 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 2.2.1.1 , page 46 at all times that the dryers operate.

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

- ▶ Provide an inlet duct when negative air would otherwise occur.

If main air cannot be supplied from inside the room the dryers are in, use inlet ducts 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.

2.2.2.2 Duct Durability

BNDDUI01.C07 0000086785 A.12 A.10 A.3 Canceled

CAUTION: Fluctuations in main air pressure — will cause thin-gauge steel ducts 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. A rectangular duct on the exhaust side of the dryer is likely to fail.

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

The ducts 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.

2.2.2.3 Duct Functionality

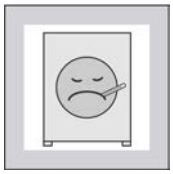
BNDDUI01.C08 0000086824 A.10 A.11 A.3 Canceled

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

- Do not use any internal components in ducts (example: turning vanes).
- Obey codes that govern the clearances between hot ducts and flammable construction materials (example: roof sheathing).
- Do not connect ducts from different dryers together if you can avoid it. See Section 2.2.2.3.1 : Multiple Dryers and Lint Collection, page 48.
- Do not use abrupt transitions or elbows with less than three segments. See Section 2.2.2.3.2 : Transitions and Elbows, page 48
- Provide inspection covers as necessary to keep all ducts clean.

2.2.2.3.1 Multiple Dryers and Lint Collection

BNDDUI01.C09 0000086823 A.10 A.11 A.3 Canceled



CAUTION: Common (shared) ducts — can cause dryers 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 duct design professional if you must use a common duct.

If space limitations or other factors make the use of common ducts unavoidable, it will be necessary to provide a system to maintain back pressure within the range specified in Section 2.2.1.2 : Back Pressure, page 46 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 2.2.1.2 : Back Pressure, page 46.

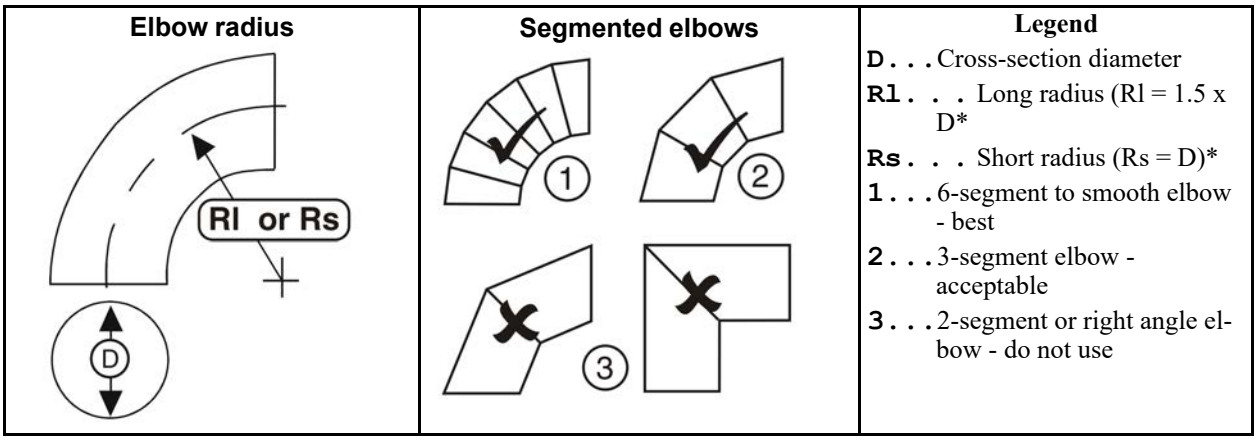
2.2.2.3.2 Transitions and Elbows

BNDDUI01.C10 0000086822 A.10 A.11 A.3 Canceled

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 the figure below. 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 11. Round duct elbow fabrication



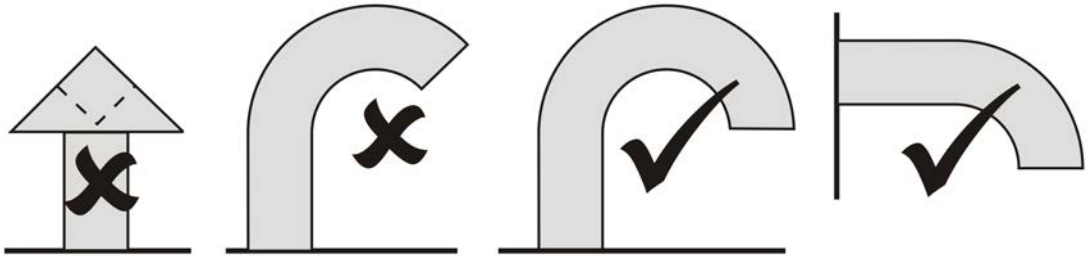
2.2.2.3.3 Vents

BNDDUI01.C11 0000086881 A.10 A.11 A.3 Canceled

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 the figure below.adequately counteract the effect of wind load.

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

Figure 12. Vent Designs



2.2.3 Duct Layout and Pressure Drop Calculations

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2.2.3.1 Units of Measure Used in the Calculations

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Table 12. 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

Table 12 Units of Measure (cont'd.)

Air velocity	fpm	feet per minute	(npm)	meters per minute
Pressure drop	iwc	inches water column	(Pa)	Pascals

2.2.3.2 Duct Components and Their Pressure Drops

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The table that follows, 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 duct design professional.

Table 13. Duct Sizes and Pressure Drops for Dryer Models

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)

Table 13 Duct Sizes and Pressure Drops for Dryer Models (cont'd.)

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)	Diame-ter-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)
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.

2.2.3.3 Example Layout

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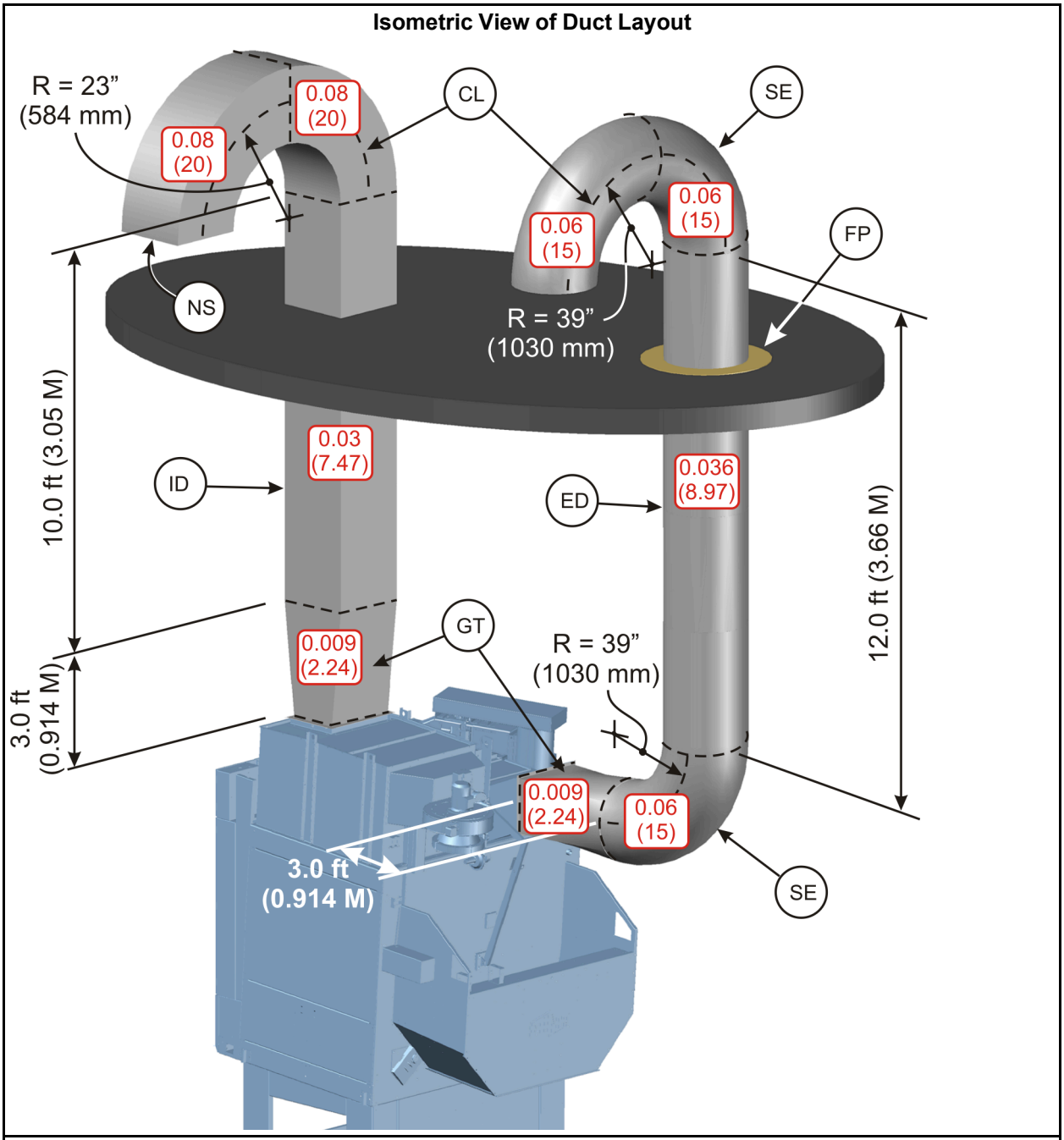
To provide a more comprehensive example, the figure below shows both rectangular and round duct. However, avoid using rectangular duct if possible, especially for the exhaust duct.

The figure below shows the pressure drop values taken from Section 2.2.3.2 : Duct Components and Their Pressure Drops, page 50 and used in the example equations in Section 2.2.3.4 : Pressure Drop Equations and Examples, page 53 superimposed on each piece of duct.

Figure 13. 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.

2.2.3.4 Pressure Drop Equations and Examples

BNDDUI01.C14 0000087352 A.10 A.11 A.3 Canceled

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 13, page 52 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:

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

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2.3 Utility Requirements For Gas, Steam and Thermal Oil Dryers

BNDUUI01.C01 0000243161 A.3 A.4 A.7 1/2/20, 1:40 PM Canceled

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

2.3.1 Plumbing and Other Mechanical Connections

BNDUUI01.C02 0000243238 A.3 A.7 1/2/20, 1:40 PM Canceled

2.3.1.1 Hazards and Precautions

BNDUUI01.C03 0000243237 A.3 A.7 1/2/20, 1:40 PM Canceled

2.3.1.1.1 All Models

BNDUUI01.C04 0000243236 A.3 A.7 1/2/20, 1:40 PM Canceled

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.

2.3.1.1.2 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.

2.3.1.1.3 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.

2.3.1.2 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 14. 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) @ 25" (635)	1,800,000 (453,000) @ 25" (635)	1,800,000 (453,000) @ 25" (635)	3,000,000 (756,000) @ 40" (1016)	pending
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

Table 14 Gas, Steam, and Air Intake - Newer Dryer Models (cont'd.)

Model number prefix	5050_ 50050_	6450_ 64050_	6458_ 64058_	6464_ 64064_	7676_	8282_
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 15. 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) @ 13.5" (343)	726,000 (182,952) @ 13.5" (343)	990,000 (249,480) @ 13.5" (343)	1,402,500 (353,430) @ 18" (457)	1,402,500 (353,430) @ 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.

Table 15 Gas, Steam, and Air Intake - Older Dryer Models (cont'd.)

Model number prefix	5040_ 50040_	58040_	58058_	58080_	72072_ with tower	72072_ no tower
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)

2.3.1.3 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.

2.3.2 Electrical Connections

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2.3.2.1 Hazards and Precautions

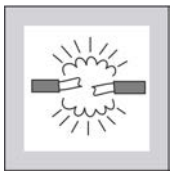
BNDUUI01.C10 0000243303 A.3 A.4 A.7 1/2/20, 1:40 PM Canceled

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 Section 2.3.2.2 : Remove Blower Shipping Bracket and Reconnect Motor Contactor Coil, page 59.



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.

2.3.2.2 Remove Blower Shipping Bracket and Reconnect Motor Contactor Coil

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The machine was shipped with a blower shipping restraint (Figure 14: Blower Shipping Restraint, page 59). This bracket immobilizes the blower bearing, preventing bearing damage during shipping. Connections to one side of the blower motor contactor coil (Figure 15: Reconnect Blower Contactor Coil Wires, page 60), 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 14. Blower Shipping Restraint

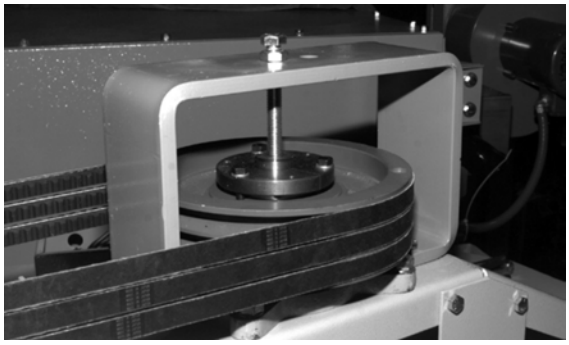

Figure 15. Reconnect Blower Contactor Coil Wires

2.3.2.3 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.

2.3.2.4 Control Connections

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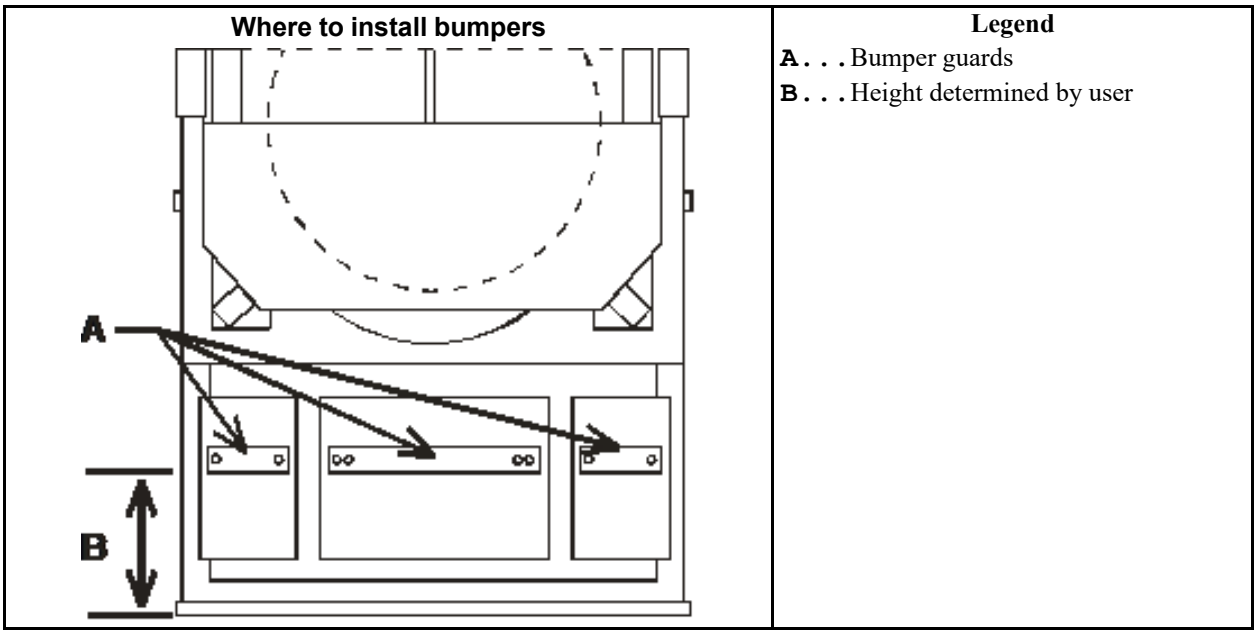
Refer to the layout drawings for your laundering system.

2.3.3 Bumper Guard Installation

BNDUUI01.C14 0000243322 A.3 A.7 1/2/20, 1:40 PM In Work

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 16, page 61.

Figure 16. Bumper Guard Installation



BNDTUM01 / 2025236 BNDTUM01 0000532849 A.3 6/6/25, 1:48 PM Canceled

2.4 About The Steam and Hot Oil Control Systems for Milnor® Dryers

BNDTUM01.C01 0000532848 A.1 B.2 A.3 11/14/22, 8:50 AM Canceled

Milnor® steam dryers are available with an optional y-type on/off steam valve. Milnor® hot oil dryers use a modulating oil inlet/bypass valve.

2.4.1 How to Protect Steam Coils from Water Hammer Damage

BNDTUM01.C02 0000532847 B.2 A.3 A.4 6/4/25, 2:11 PM Canceled

Steam coils can be damaged when steam pressure is suddenly applied to a water (condensate) filled coil, or when the steam is “wet” with a high water content. The damage occurs because the condensate is forced through the coils with great speed causing a water hammer condition which can be likened to many jack hammers inside the coil. The result will be damaged coils, especially at the ends where the water must turn quickly.

CAUTION: Steam coils making a popping sound or cracking sound — are in grave danger of serious water hammer damage. Steam coils that have been damaged by water hammer are not warrantied.

- Maintain the bypass piping (machines with optional on/off valve, Figure 17: Standard Steam Piping, page 63) in good working order, to prevent cracking and popping sounds when steam is turned on. Do not operate dryer unless by-pass piping is in good working order.

- If a steam trap must be replaced, be sure the pressure rating of the replacement trap is suitable for the steam pressure in your plant and that the replacement trap's capacity is equivalent to the original equipment.

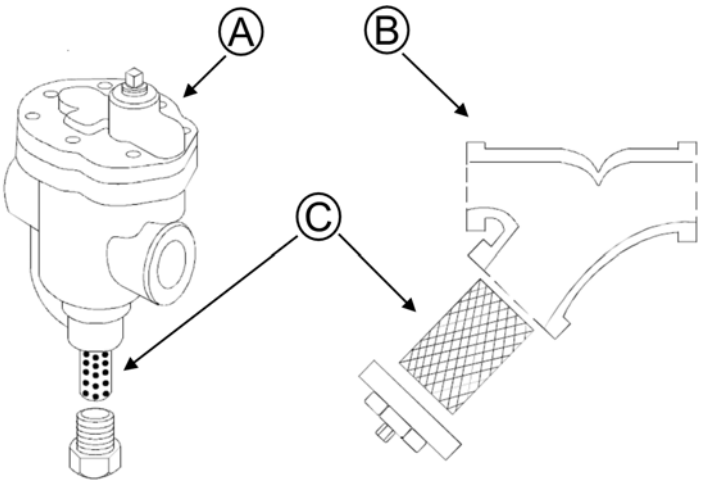
CAUTION: Dryers with steam traps rated 85-180 psi (6-12 atu) will not operate properly below 60 psi (4 atu). Steam traps rated 160-225 psi (11-15 atu) will not operate properly below 115 psi (8 atu). These pressure ranges refer only to the range of pressures through which the trap may be reasonably expected to operate properly. They are not necessarily an indication of the safe operating pressure for the steam coil. Always refer to the nameplate for the specific dryer to determine the maximum permissible pressures.

2.4.2 About The Standard Steam Control System

BNDTUM01.C03 0000532846 B.2 A.3 A.7 6/5/25, 3:30 PM Canceled

Each dryer has a strainer and steam trap (Figure 17: Standard Steam Piping, page 63), to handle steam that condenses in the coil as it heats the passing air which dries the goods.

CAUTION: Clean and "blow down" steam trap and strainer screens after 40 hours of operation and periodically thereafter. Clogged strainer screens will cause longer drying times.



Legend

A . . . Steam trap
B . . . Condensate Y strainer
C . . . Remove screen and clean

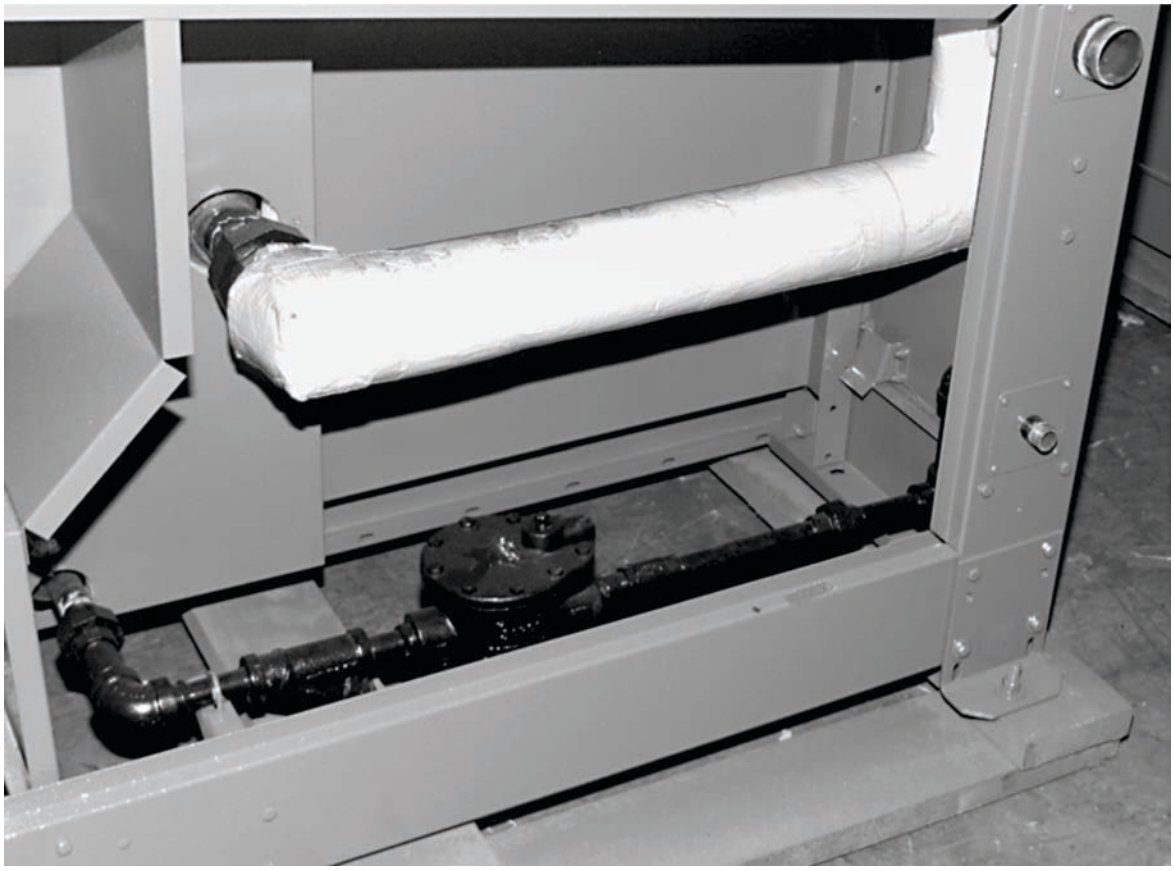
2.4.3 About The Optional On-Off Steam Control System with Y-Type, Air Operated Valve

BNDTUM01.C04 0000532845 B.2 A.3 A.4 6/5/25, 9:46 AM Canceled

In addition to the steam trap and strainer, dryers equipped with the optional main steam inlet on/off valve are fitted with:

1. A steam inlet valve which is open whenever the dryer is drying (whenever the cooldown bypass damper is closed). This normally closed (air-to-open) valve shuts off the flow of steam to the dryer during cooldown, if the dryer master switch is off, and whenever the dryer is not being used.
2. Bypass piping to keep coils warm and condensate minimized while the main steam inlet valve is off, but machine is in standby, with steam provided to the machine.

Figure 17. Standard Steam Piping



2.4.4 About the Modulating Hot Oil Valve

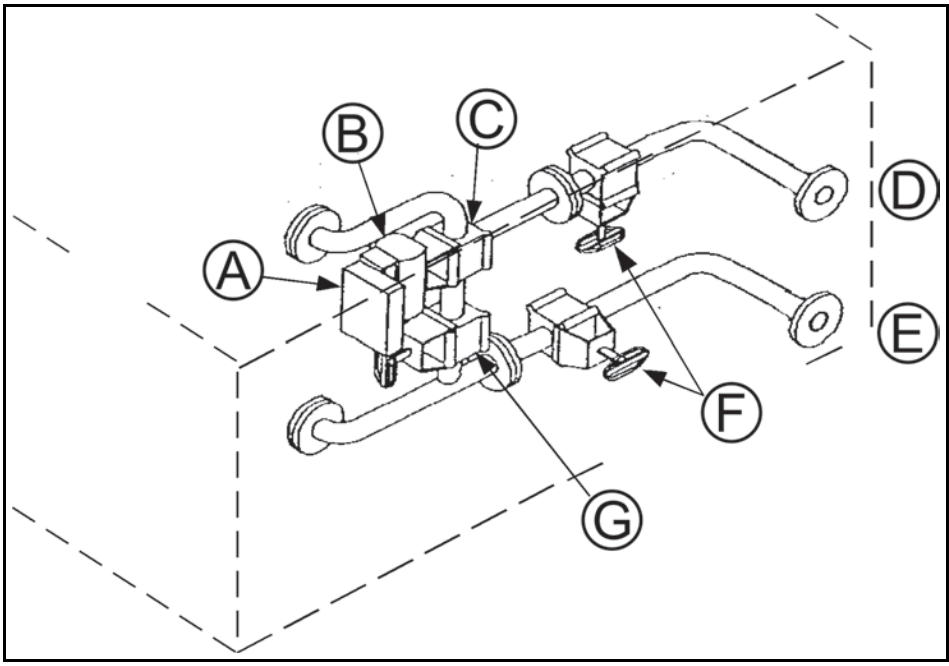
BNDTUM01.C05 0000532844 A.3 B.2 6/5/25, 9:46 AM Canceled

2.4.4.1 How Modulated Hot Oil Works

BNDTUM01.C06 0000532843 B.2 A.3 A.4 6/5/25, 9:46 AM Canceled

Hot air inlet and outlet temperatures are monitored by the dryer control. When the dryer control detects actual temperatures that are either under or over the desired value, it signals the hot oil positioner and valve to change the percent of pressurized hot oil sent to the dryer heating coil, versus the percent that bypasses the heating coil. All oil is returned to the oil heater.

Figure 18. Hot Oil Piping



Legend

A . . . Valve positioner
B . . . Valve actuator
C . . . Hot oil modulating valve
D . . . In
E . . . Out
F . . . Shut off valves (if so equipped)
G . . . Bypass

2.4.4.2 How to Manually Command a Modulating Valve Position

BNDTUM01.C07 0000532842 A.3 B.2 6/5/25, 9:46 AM Canceled

This procedure applies to hot oil machines.

1. Shut off oil to dryer.
2. Turn dryer on.

Display or Action	Explanation
WAITING FOR LOAD **********	After the power-up sequences, the display shows this screen.
SELECT DRYCODE 00 REDRY	MANUAL LOAD Accesses manual load menu

For Quick Return to Automatic from Manual Load menu

WAITING FOR LOAD *	CANCEL, ESCAPE, CANCEL, ESCAPE **etc** Returns to automatic
ENTER LOAD SIZE 0 FULL LOAD	ENTER NEXT **Accepts the default drycode 00** and prompts for load size.
LOAD DRYER WITH REDRY	ENTER NEXT **Accepts the default load size** (full load) and prompts the operator to load dryer. Ignore this prompt.
LOADING	ENTER NEXT **Starts the cycle.** When loading sequence ends, display appears as shown below.

00F TIF TOF 000 VP XXX XXXAXXX XXX XXX	Alternates with . . .
00F TIF TOF 0021 AIR XXX XXXDXXX XXX	
TIFHTOF LDA MVP BSPD XXX+XXX XXX XXX XXXX	MANUAL **Stops the timer and accesses the manual control panel** for temperature, damper, and basket rotation.
hold MOD VALVE POSITION + ↓	Closes modulating valve position. Hold keys until MVP=000.
TIFHTOF LDA MVP BSPD XXX+XXX XXX 000 XXXX	Dryer will continue at minimum valve position until commanded to return to automatic.
CANCEL ESCAPE	Returns to automatic.

Follow the step-by-step procedure to set the system components.

2.4.4.3 When Recalibration is Required

BNDTUM01.T01 0000537274 B.2 A.3 A.6 6/5/25, 10:57 AM Canceled

The hot oil positioner and valve are calibrated prior to shipping, replacing either component necessitates re-calibration. To recalibrate:

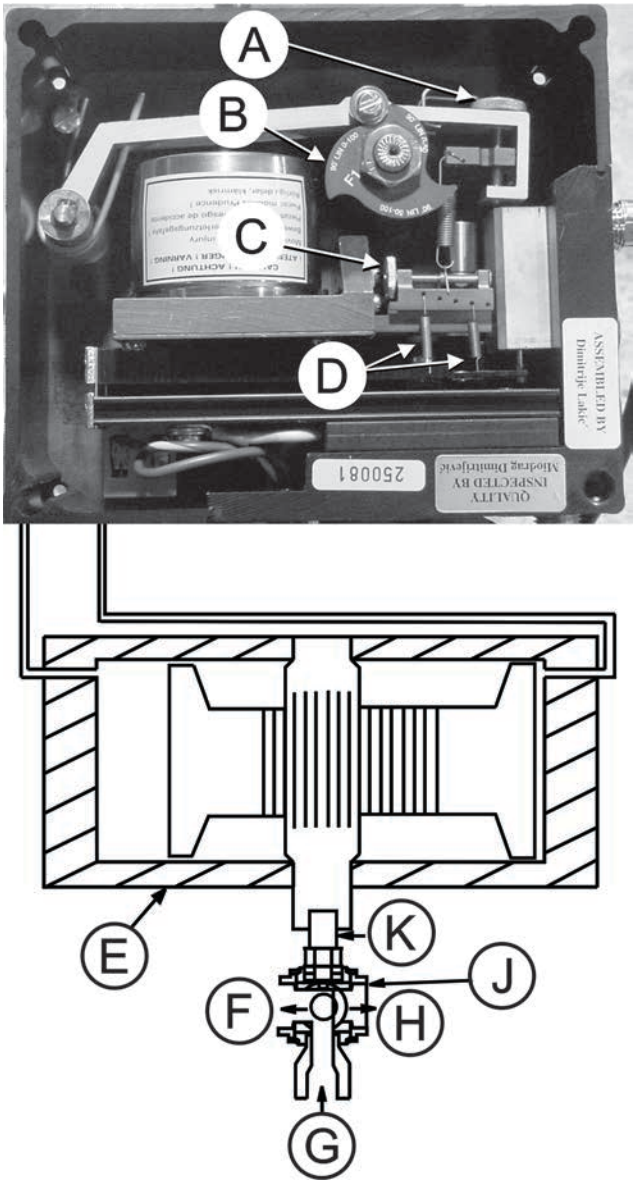
DANGER: Shock Hazard — Electrical power can cause death or severe injury. Lock off and tag out power to the dryer main bus at the wall disconnect before servicing.

1. Turn machine off, lock off and tag out.

WARNING: Burn Hazard — Hot surfaces will cause severe burns. Shut off and tag out hot oil flow to dryer at external shut-off valve and allow piping to cool before servicing.

2. Shut off the hot oil to the dryer, tag out external valve.
3. Remove the valve positioner covers and the position indicator dial.
4. Verify that the lower arm bearing rests on the portion of the cam labeled 0-100%. See Figure 20: Cam Setting at Modulating Valve Position 000, page 67 .
5. Check that two gain suppression springs are mounted in positions 1 and 4 (as shown in Figure 19: Hot Oil Modulating Valve and Positioner, page 66).

Figure 19. Hot Oil Modulating Valve and Positioner



Legend

A . . . Zero adjustment
B . . . Cam (under dial)
C . . . Range adjustment
D . . . Gain suppression springs
E . . . Valve actuator
F . . . Bypass
G . . . Hot oil
H . . . Coil
J . . . Modulating valve
K . . . Valve flats (shown fully diverted)

2.4.5 Calibrating the Hot Oil Positioner/Valve

BNDTUM01.C08 0000537326 A.3 B.2 6/5/25, 3:10 PM Canceled

The positioner cam must be adjusted so that the valve travels from fully diverted to fully open as the modulating valve position varies from 000 to 255. Refer to Section 2.4.4.2 : How to Manually Command a Modulating Valve Position, page 64 elsewhere in this section then follow the step by step procedures below.

WARNING: Electric shock hazard — machine power is on and positioner covers removed for the following procedures. Exposed terminals are energized at 120vac or higher. You can be killed or severely injured by contact with these terminals. Do not touch any wire terminals when calibrating or verifying settings.

- Calibrating the positioner/valve for minimum temperature

2.4.5.1 Calibrating the Positioner/valve for Minimum Temperature

BNDTUM01.T02 0000537325 B.2 A.3 A.4 6/5/25, 3:23 PM Canceled

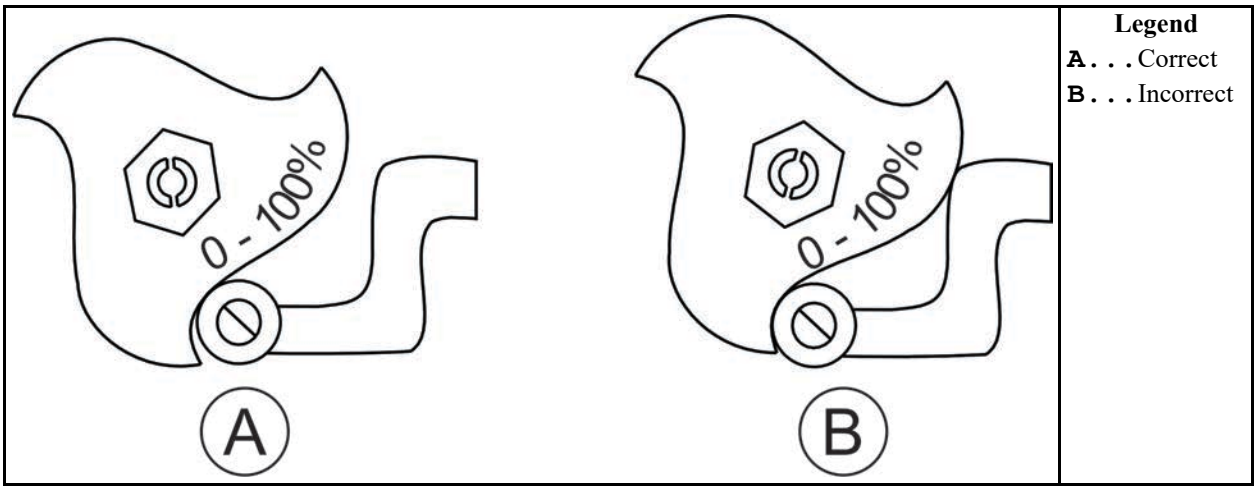
Display or Action	Explanation
TIFHTOF LDA MVP BSPD XXX+XXX XXX 000 XXXX	**hold** MOD VALVE POSITION + ↓ Closes modulating valve. Hold keys until MVP=000.

1. Check that the lower arm ball bearing rests near the deepest part of the cam curve as shown on Figure 20, page 67. If not, move the zero adjustment thumbwheel (Figure 19: Hot Oil Modulating Valve and Positioner, page 66) until the ball bearing is in this position. If this cannot be achieved, loosen the cam retaining nut, move the cam, then use the zero adjustment thumbwheel for adjustment (the cam may rotate slightly with the nut as it is tightened, be sure to allow for this).
2. After setting, check that the modulating valve flats are aligned at a 90 degree angle to the modulating valve (Figure 19: Hot Oil Modulating Valve and Positioner, page 66 and Figure 22: Modulating Valve Flats, page 69). This ensures no hot oil reaches the dryer heating coil. All of the hot oil is returned to the heater.

Display or Action	Explanation
TIFHTOF LDA MVP BSPD XXX+XXX XXX 255 XXXX	**hold** MOD VALVE POSITION + ↑ Opens modulating valve. Hold keys until MVP=255

NOTE: Due to mechanical considerations, settings past 200 have a very minor effect on the valve.

Figure 20. Cam Setting at Modulating Valve Position 000

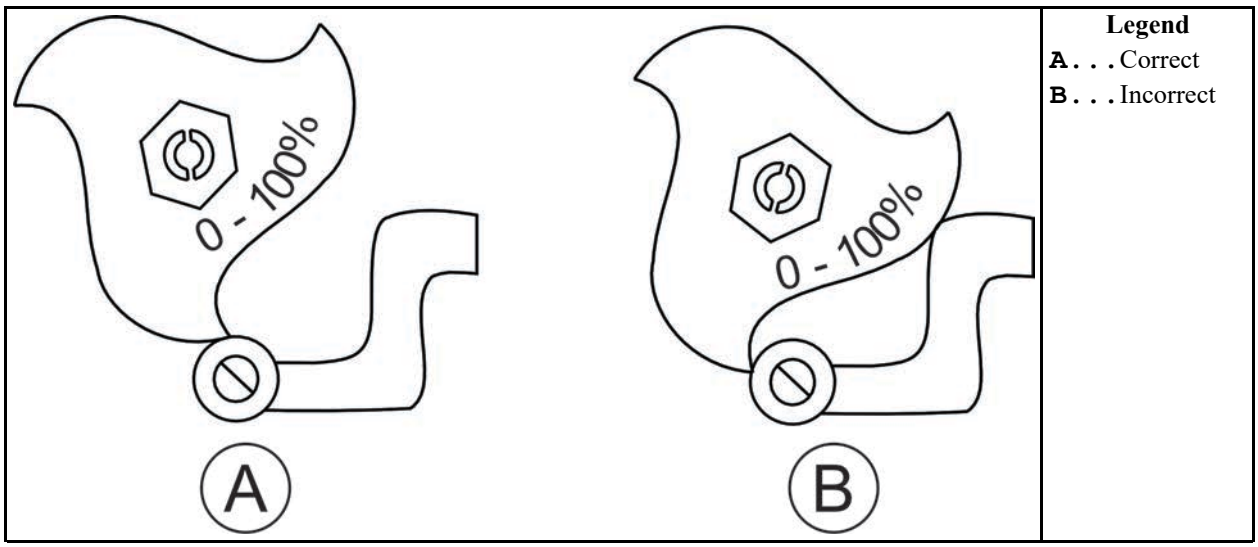


2.4.5.2 Calibrating the Positioner/Valve For Maximum Temperature

BNDTUM01.T03 0000537324 B.2 A.3 A.5 6/5/25, 10:57 AM Canceled

1. Check that the lower arm ball bearing rests on the highest part of the cam curve (Figure 21: Cam Setting at Modulating Valve Position 255, page 68). If the ball bearing is not at the tip, turn the range adjustment (Figure 19, page 66).
2. After setting, check that the diverter valve flats are aligned exactly parallel to the diverter valve, permitting full flow to the dryer heating coil.

Figure 21. Cam Setting at Modulating Valve Position 255



2.4.5.3 Verifying Positioner/Valve Settings

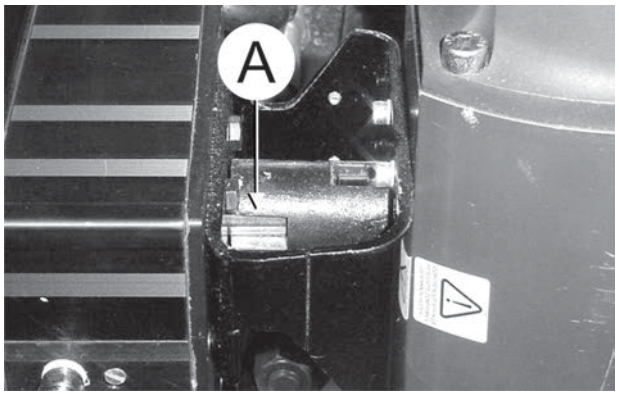
BNDTUM01.C09 0000537323 A.3 B.2 6/5/25, 9:46 AM Canceled

Display or Action	Explanation
TIFHTOF LDA MVP BSPD XXX+XXX XXX 200 XXX	**hold** MOD VALVE POSITION + ⬇ Closes modulating valve. Hold until MVP= 200, verify settings then repeat for 150, 100, 050, and 000.

Since the zero and range adjustments affect each other, verify that for each of the five MVP's commanded, the valve moves approximately 1/5 of the way from fully open to fully diverted, and:

- The ball bearing follows the cam slope evenly.
- The cam zero and range settings are correct for fully open and fully diverted positions.

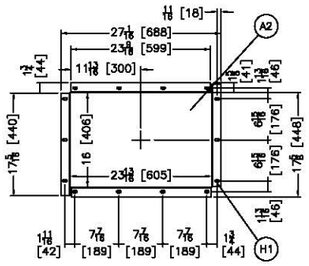
Figure 22. Modulating Valve Flats



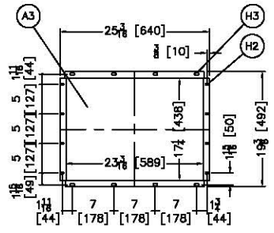
Legend

A . . . Valve flats (shown in fully diverted position)

3 Dimensional Drawings



BLOWER INTAKE DUCT DETAIL

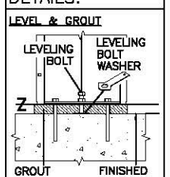


BLOWER EXHAUST TO REAR DUCT DETAIL
SEE NOTE 13.

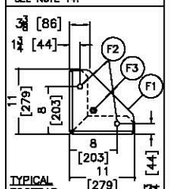
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.

DETAILS:

LEVEL & GROUT

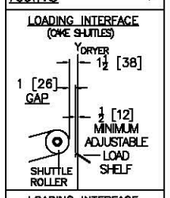


LEVEL WITH LEVELING BOLT TO "Z". GROUT AND ANCHOR ALL FOOTPADS. SEE NOTE 14.

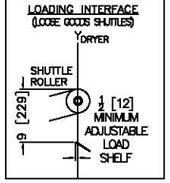


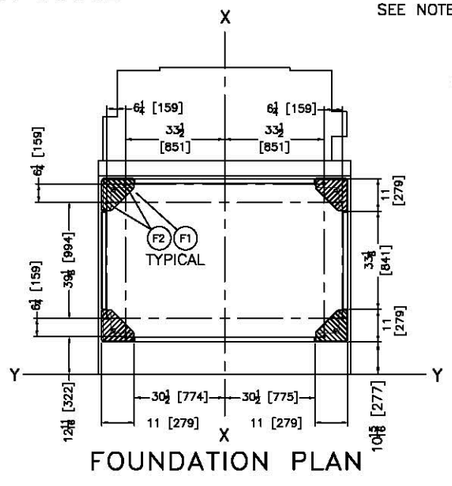
TYPICAL FOOTPAD

LOADING INTERFACE
(CAKE SHUTTLES)

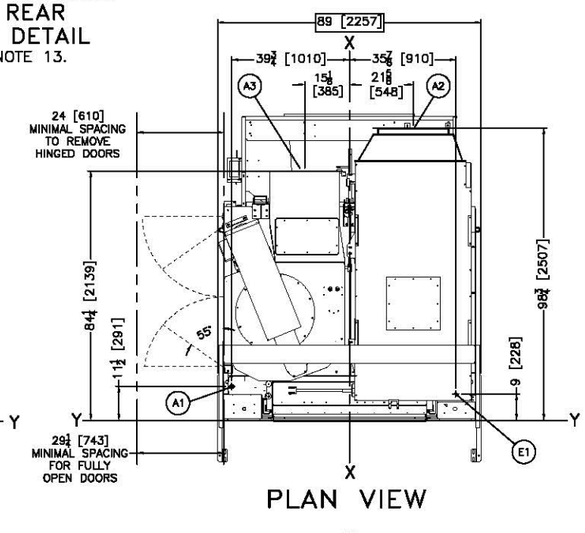


LOADING INTERFACE
(LOOSE GOODS SHUTTLES)

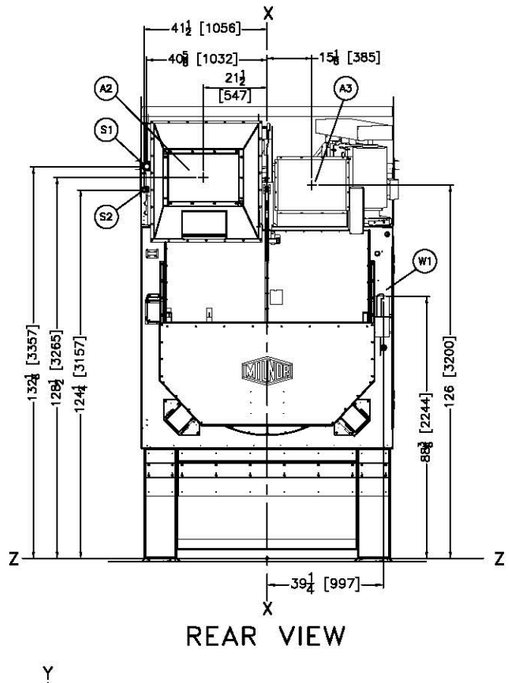




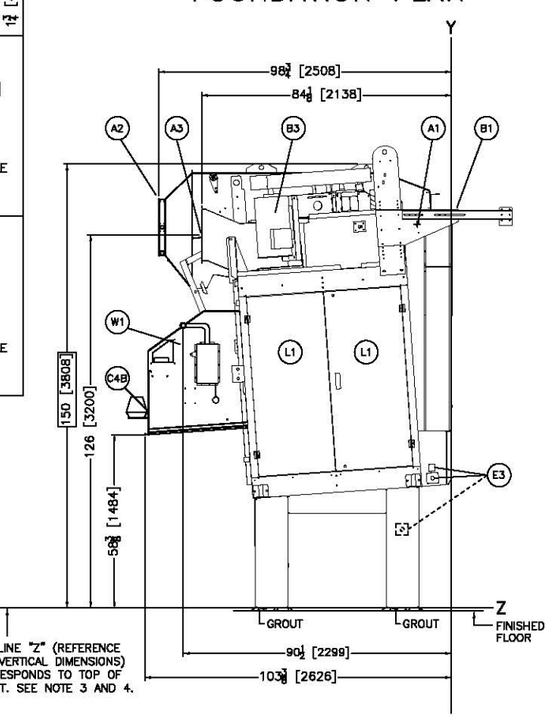
FOUNDATION PLAN



PLAN VIEW

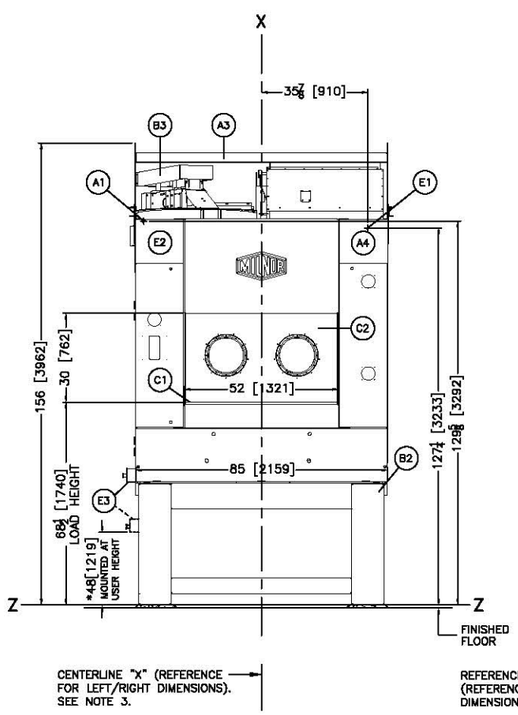


REAR VIEW



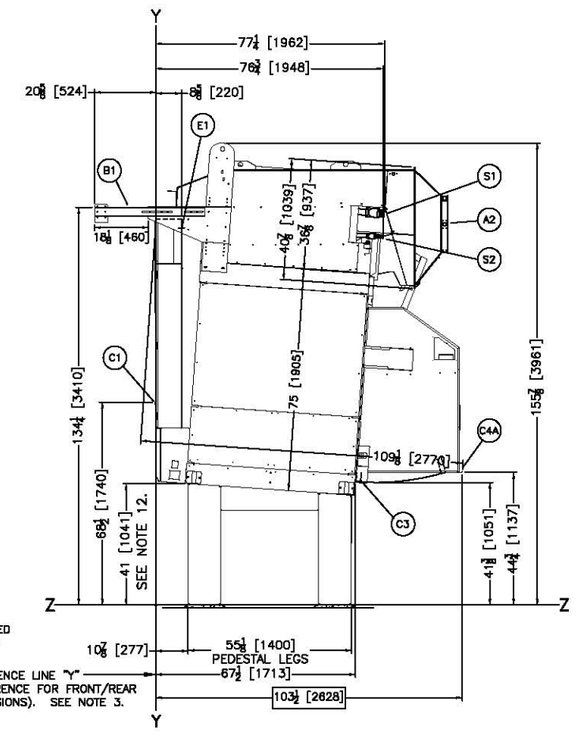
BASELINE "Z" (REFERENCE FOR VERTICAL DIMENSIONS) CORRESPONDS TO TOP OF GROUT. SEE NOTE 3 AND 4.

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.

RIGHT VIEW

ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1-1/4" NPT
S2	STEAM CONDENSATE OUT, 1" NPT
S1	STEAM INLET, 2" NPT
L1	REMOVABLE ACCESS DOORS
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
F3	LEVELING BOLT (5/8"-11 X 3") SUPPLIED.
F2	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
F1	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
E3	EMERGENCY STOP & DOOR OPEN CONTROLS
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
C4B	OPTIONAL SHORT SHROUD
C4A	DISCHARGE SHROUD
C3	DISCHARGE DOOR
C2	LOAD DOOR, 52" WIDE
C1	LOAD HEIGHT
B3	BLOWER MOTOR
B2	DRYER TO DRYER MOUNTING BRACKET
B1	SHUTTLE RAIL SUPPORT
A4	AIR VALVE BOX
A3	BLOWER EXHAUST REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION 1"NPT

NOTES

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

12 THIS DRAWING SHOWS THE 8458TS1R DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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

10 MINIMUM CLEARANCE FOR MAINTENANCE = 18" [458]. SOME JURISDICTIONS REQUIRE UP TO 30" [782] CLEARANCE. CONSULT LOCAL CODES. IN SHUTTLE INSTALLATIONS, MINIMUM DISTANCES FROM DRYER TO WALL IS DETERMINED BY SHUTTLE REQUIREMENTS. SEE DRAWING, BDSHTCLRSE, FOR MINIMUM DIMENSION OF SHUTTLE AT LAST STOPPING PLACE (MAY BE DRYER) TO WALL.

9 DRYER IS DISASSEMBLED INTO THREE COMPONENTS FOR SHIPPING, THE BASE, THE HOUSE, AND THE TOP OF THE BLOWER INTAKE DUCT. CONSULT MILNOR FACTORY IF ADDITIONAL COMPONENTS, SUCH AS BLOWER HOUSING, MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

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

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

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

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

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

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN 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.

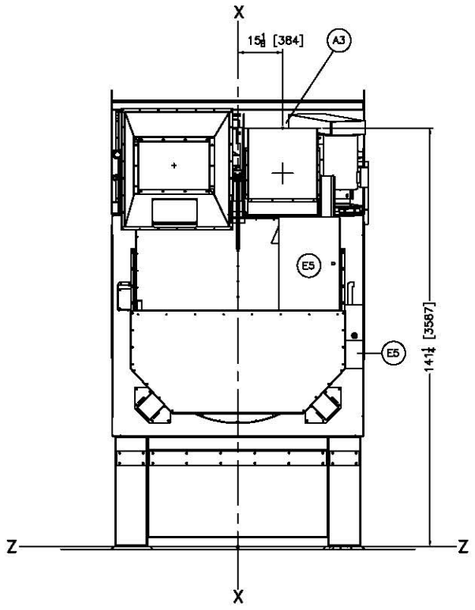
6458TS1L

DM 0 0.5M
INCHES 0 12 24

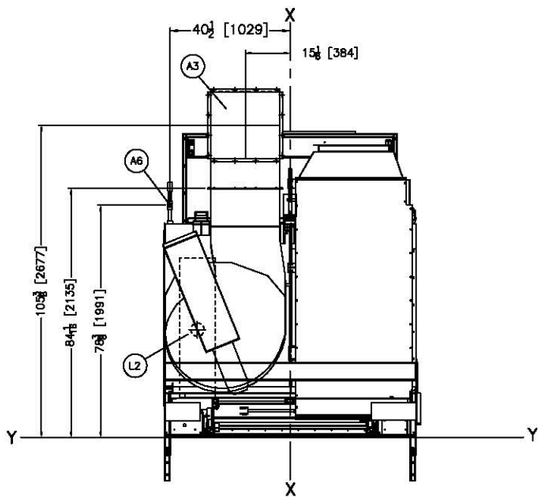
DWG# BD6458TS1LEE
2022086D

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

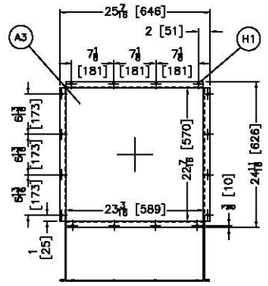
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 8.



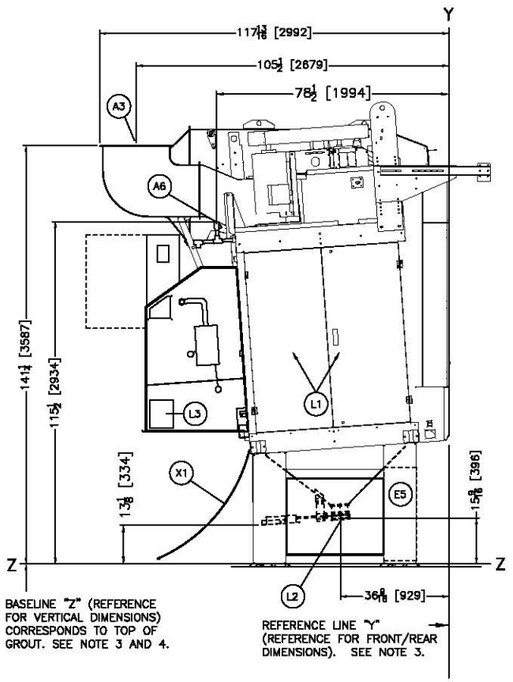
REAR VIEW



PLAN VIEW



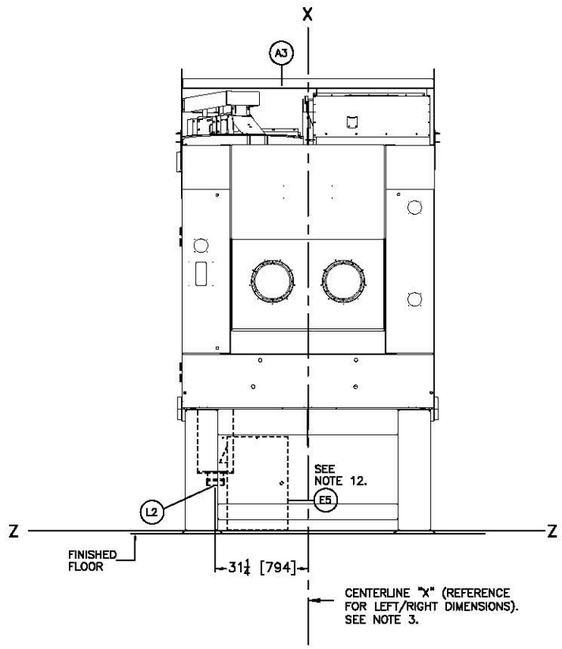
BLOWER EXHAUST
DUCT UP OPTION



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

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

LEFT VIEW



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

FRONT VIEW

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

NOTES

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

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

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

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

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

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

8 THIS DRAWING SHOWS THE 6458TS1L DRYER USING A 41"[1041] PEDESTAL BASE, WHICH IS EQUAL TO ZERO PEDESTAL STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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

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36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
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CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

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6458TS1L OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1LEB
2016236D

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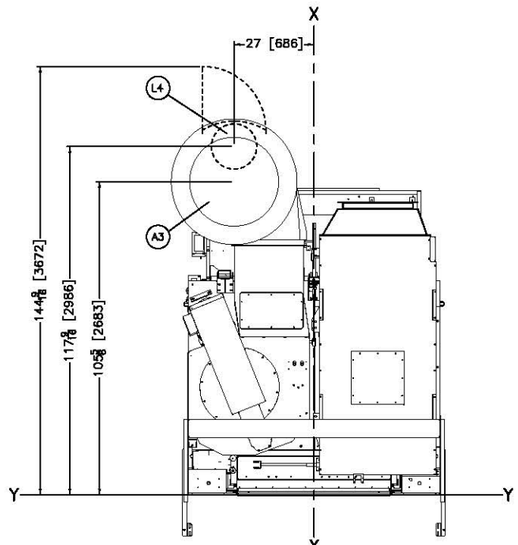
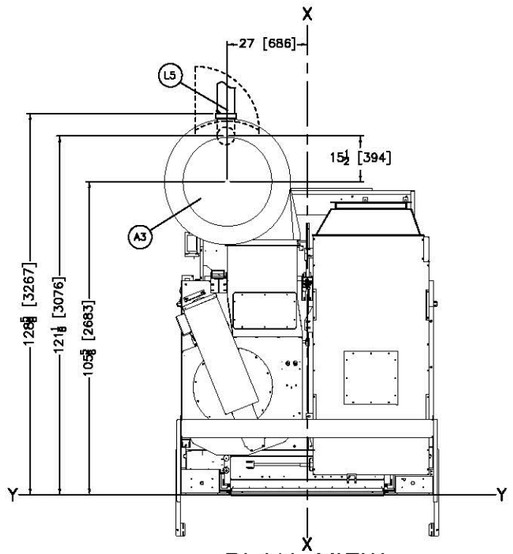
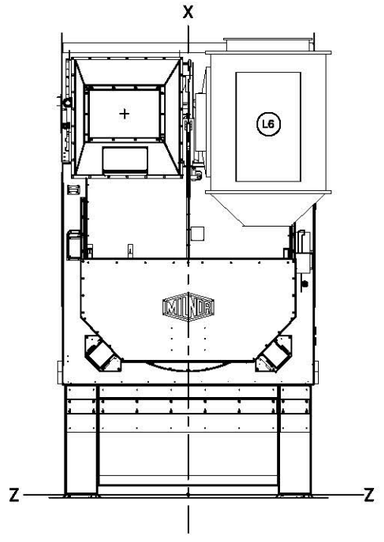


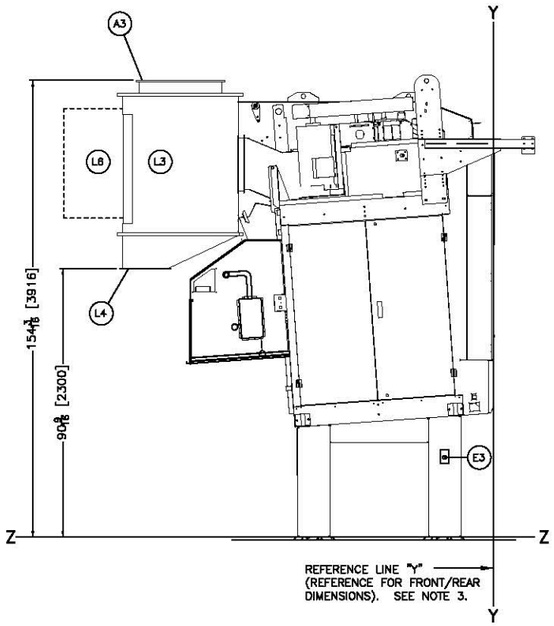
PLAN VIEW
LINT OUTLET TO BAG COLLECTOR



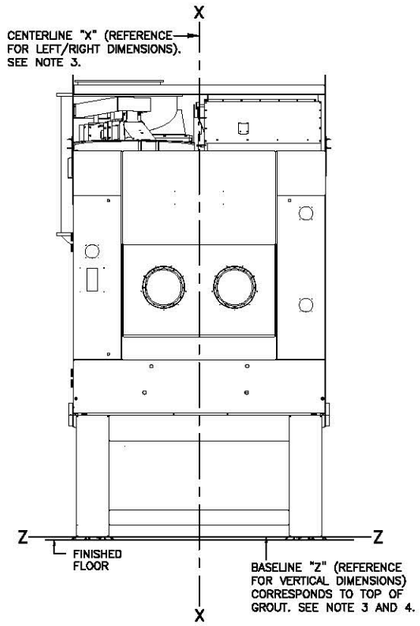
PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



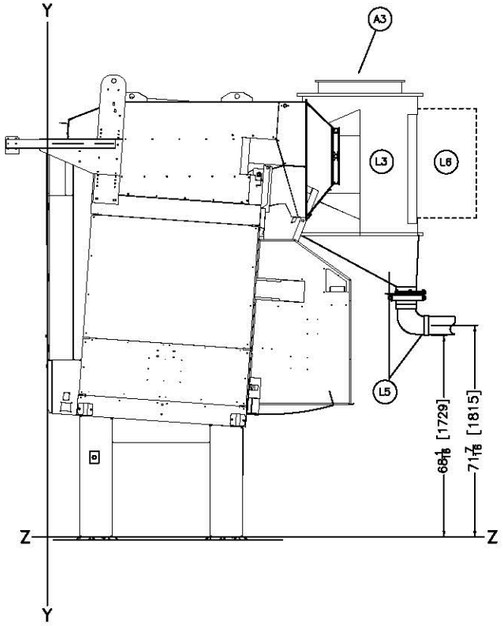
REAR VIEW
LINT OUTLET TO BAG COLLECTOR



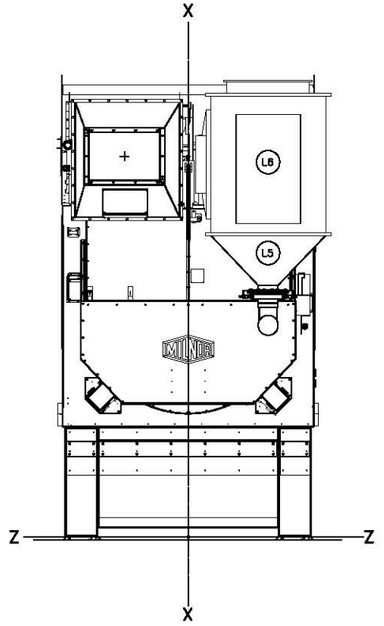
LEFT VIEW



FRONT VIEW



RIGHT VIEW



REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR

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

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6458TS1L + MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1LEC
2016236D

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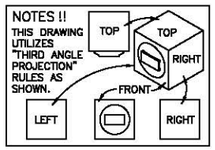
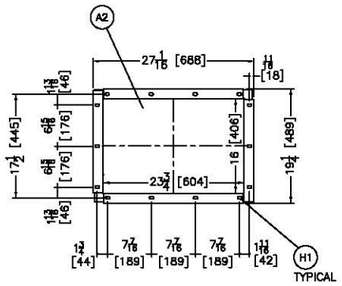
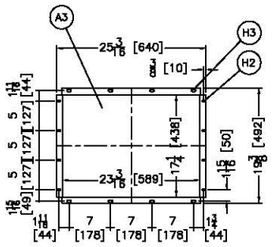


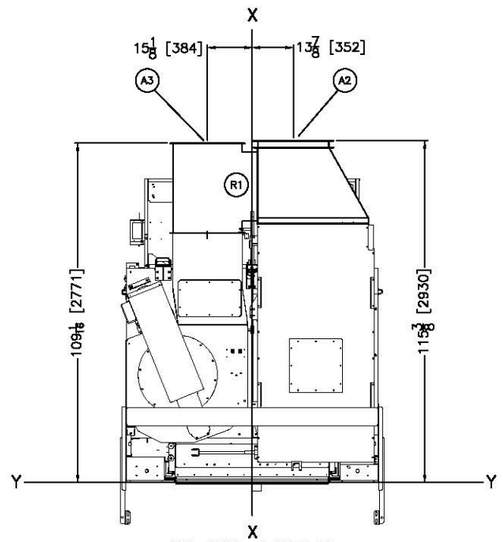
THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6458TS1LEE.



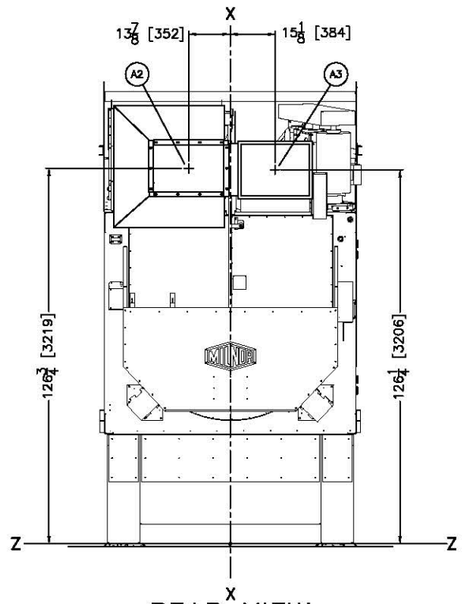
RECIRCULATION BLOWER INTAKE DUCT DETAIL



RECIRCULATION BLOWER EXHAUST DUCT TO REAR DETAIL



PLAN VIEW



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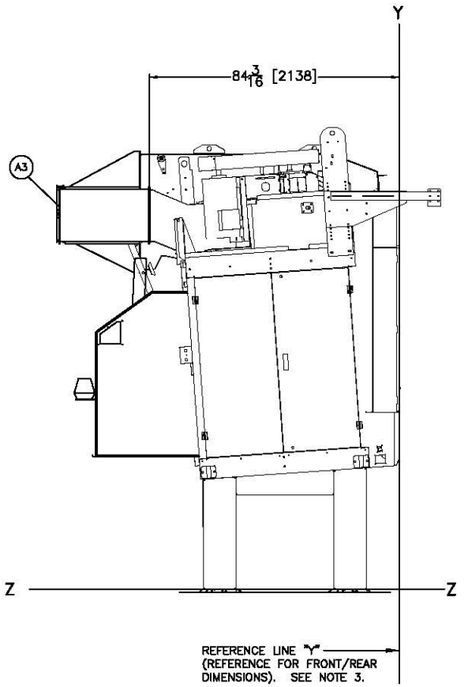
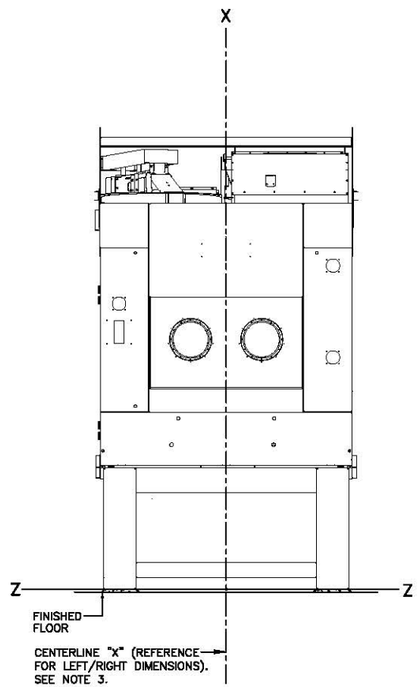
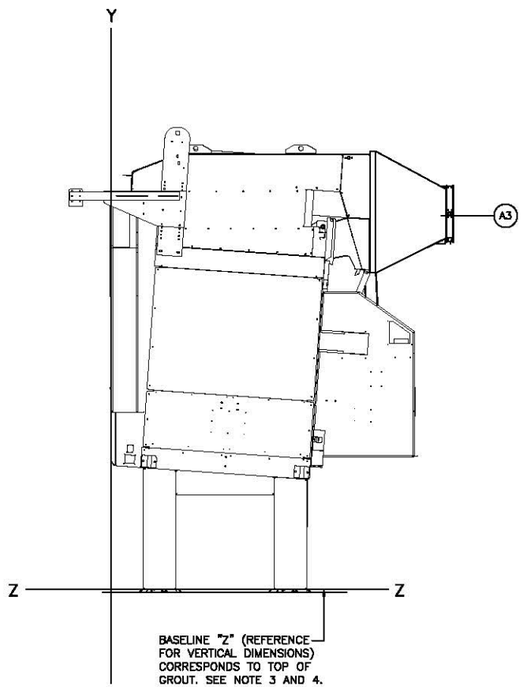


LEFT VIEW



FRONT VIEW



RIGHT VIEW

ITEM	LEGEND
R1	RECIRCULATION DUCTING
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	3/8" [9] DIA. X 3/4"[19] SLOTS, 14 PLACES
A3	RECIRCULATION DUCTING BLOWER EXHAUST REAR, SEE DETAIL
A2	RECIRCULATION DUCTING BLOWER INLET, SEE DETAIL.

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6458TS1L RECIRC-BLOWER LEFT

DWG BD6458TS1LED 2016236D

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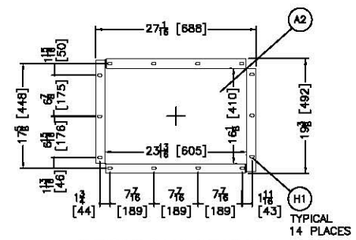
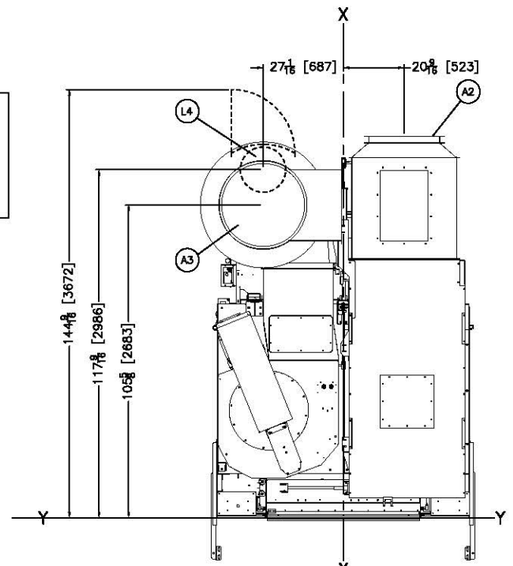
FAX 504/468-3094, Email: milnorinfo@milnor.com

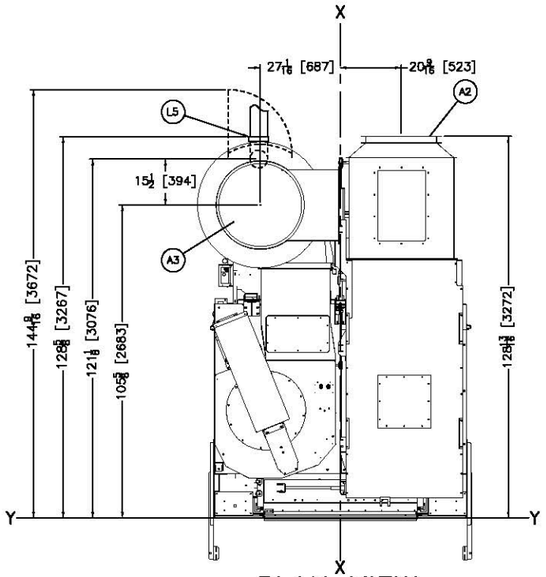
THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6458TS1LEE.



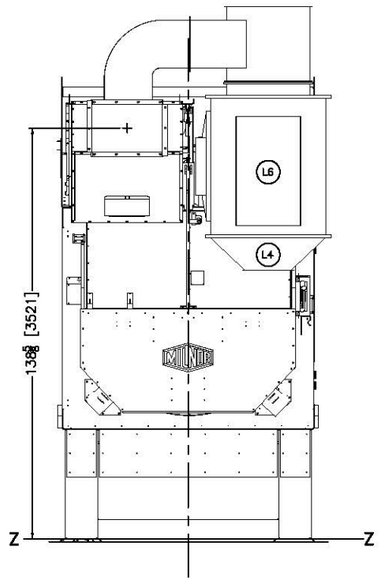
RECIRCULATION BLOWER INTAKE DUCT DETAIL



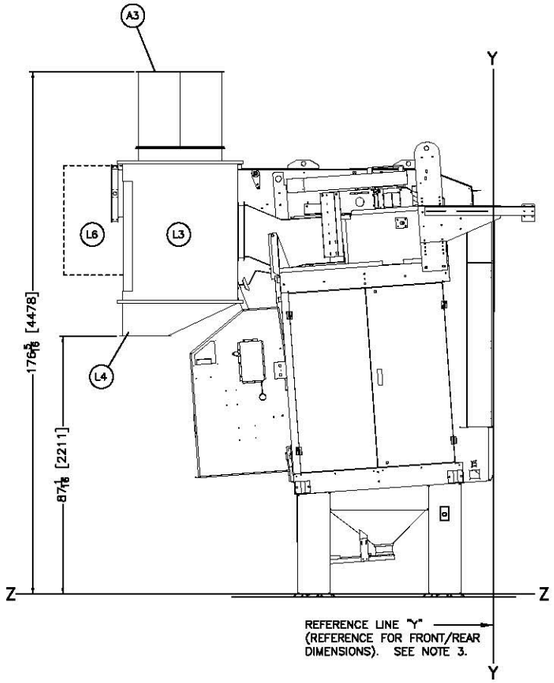
PLAN VIEW
LINT OUTLET TO BAG COLLECTOR



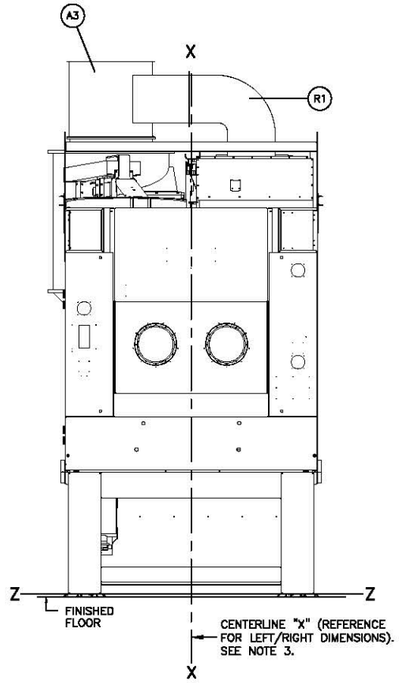
PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



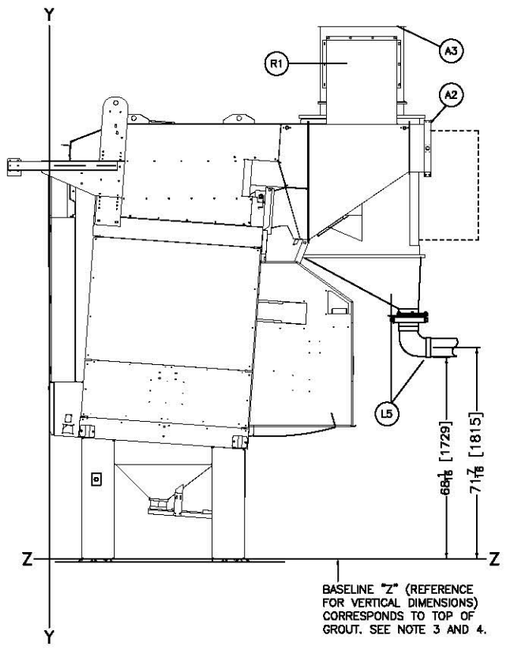
REAR VIEW
LINT OUTLET TO BAG COLLECTOR



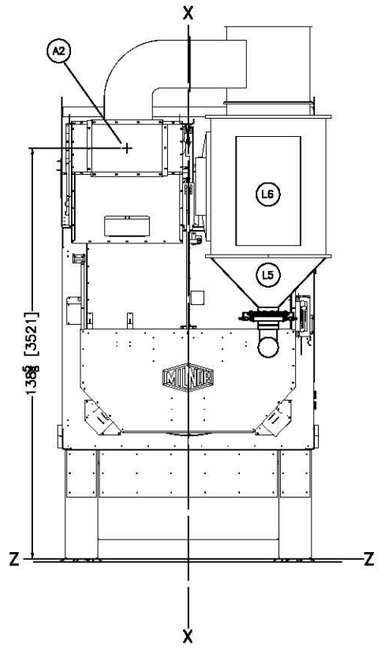
LEFT VIEW



FRONT VIEW



RIGHT VIEW



REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR

ITEM	LEGEND
R1	RECIRCULATION DUCT
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR
	DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE
	15–1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (SUPPORTED BY OTHERS)
H1	3/8" [10] DIAMETER X .3/4" SLOTS, 14 PLACES
A3	BLOWER EXHAUST, 28"[711] DIAMETER
A2	BLOWER INTAKE

NOTES

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

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

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

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

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

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

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

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

4 BASELINE "Z" IS THE 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.

6458TS1L + RECIRC + MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1LEF 2016236D

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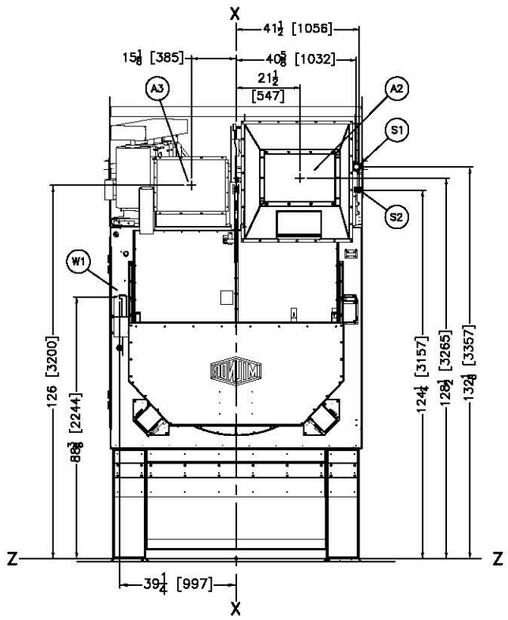
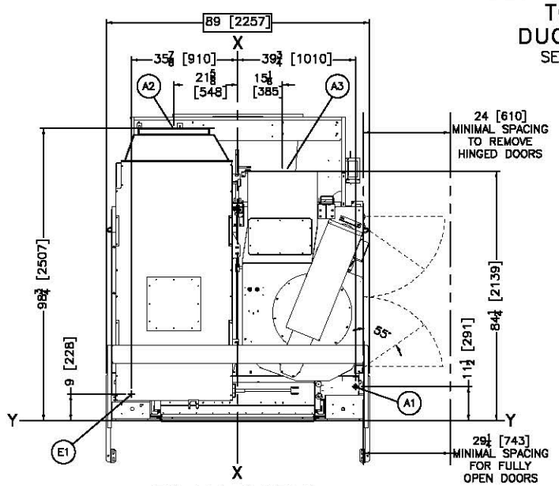
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3094, Email: milnorinfo@milnor.com

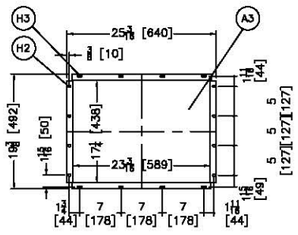


REAR VIEW

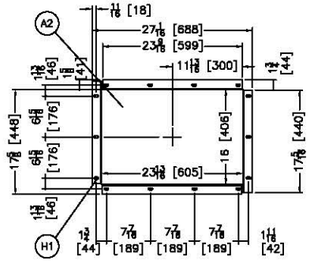
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.



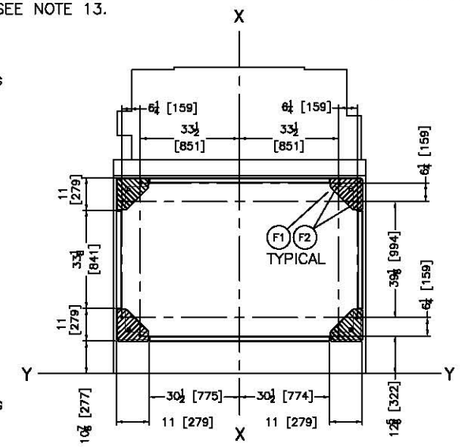
PLAN VIEW



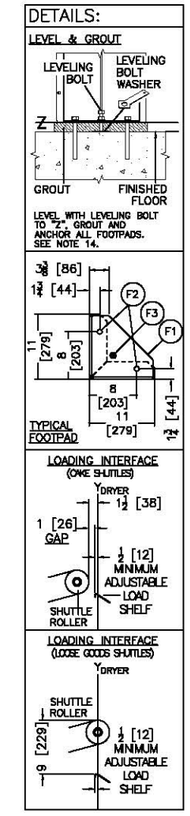
BLOWER EXHAUST
TO REAR
DUCT DETAIL
SEE NOTE 13.

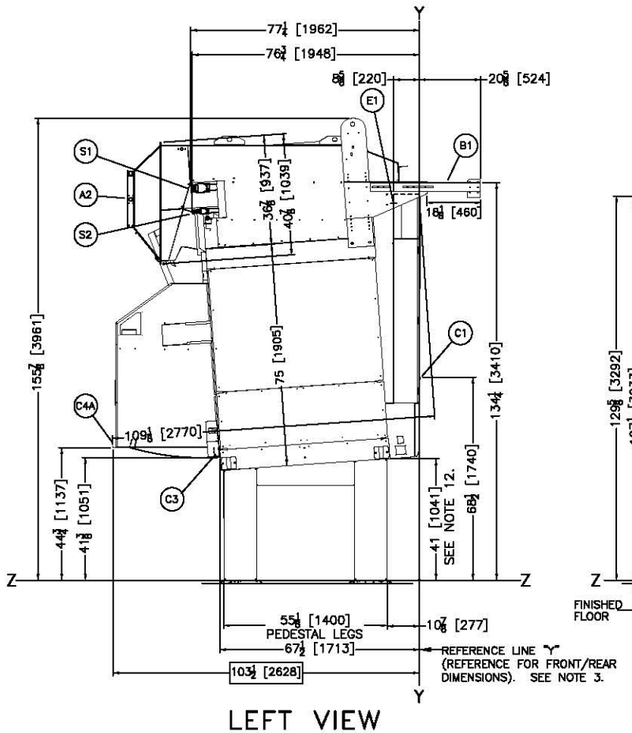


BLOWER INTAKE
DUCT DETAIL

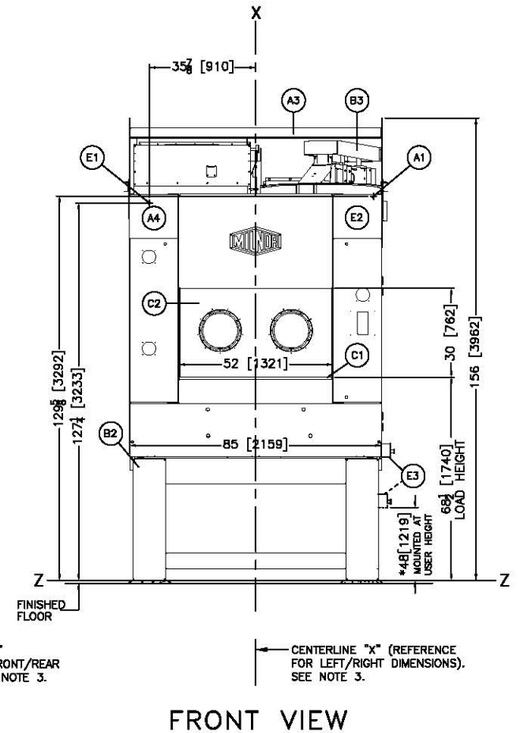


FOUNDATION PLAN





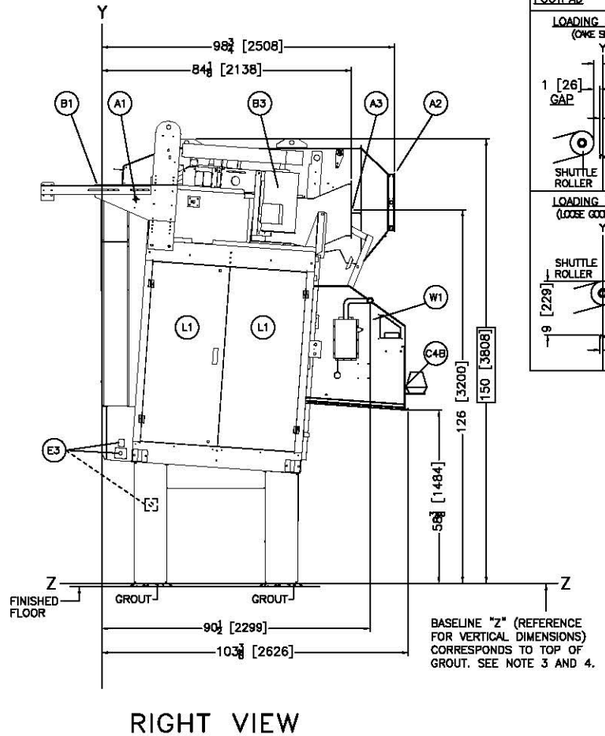
LEFT VIEW



FRONT VIEW

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

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



RIGHT VIEW

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

ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1–1/4" NPT
S2	STEAM CONDENSATE OUT, 1" NPT
S1	STEAM INLET, 2" NPT
L1	REMOVABLE ACCESS DOORS
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
F1	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
E3	EMERGENCY STOP & DOOR OPEN CONTROLS
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
C4B	OPTIONAL SHORT SHROUD
C4A	DISCHARGE SHROUD
C3	DISCHARGE DOOR
C2	LOAD DOOR, 52" WIDE
C1	LOAD HEIGHT
B3	BLOWER MOTOR
B2	DRYER TO DRYER MOUNTING BRACKET
B1	SHUTTLE RAIL SUPPORT
A4	AIR VALVE BOX
A3	BLOWER EXHAUST REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION 1"NPT

NOTES

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

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9 DRYER IS DISASSEMBLED INTO THREE COMPONENTS FOR SHIPPING, THE BASE, THE HOUSE, AND THE TOP OF THE BLOWER INTAKE DUCT. CONSULT MILNOR FACTORY IF ADDITIONAL COMPONENTS, SUCH AS BLOWER HOUSING, MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

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

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

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
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ATTENTION

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

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

6458TS1R

DM 0 0.5M
INCHES 0 12 24

DWG# BD6458TS1REE
2022086D

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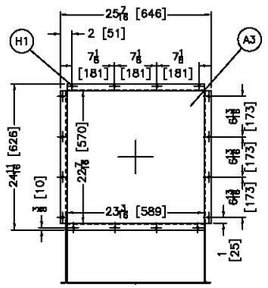
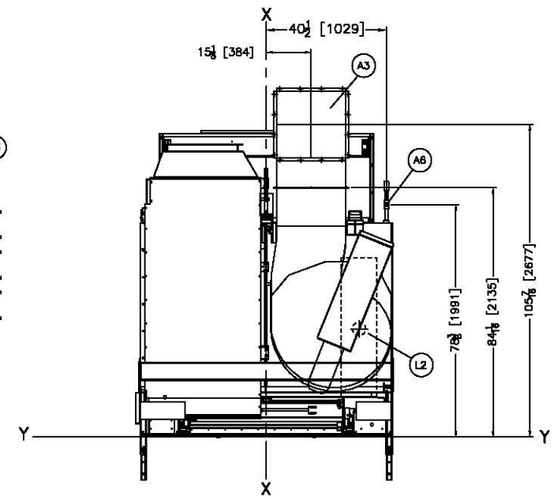
FAX 504/468-3094, Email: milnorinfo@milnor.com

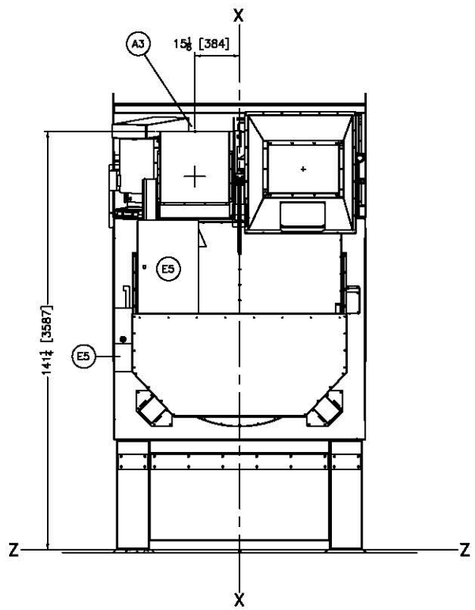
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 8.



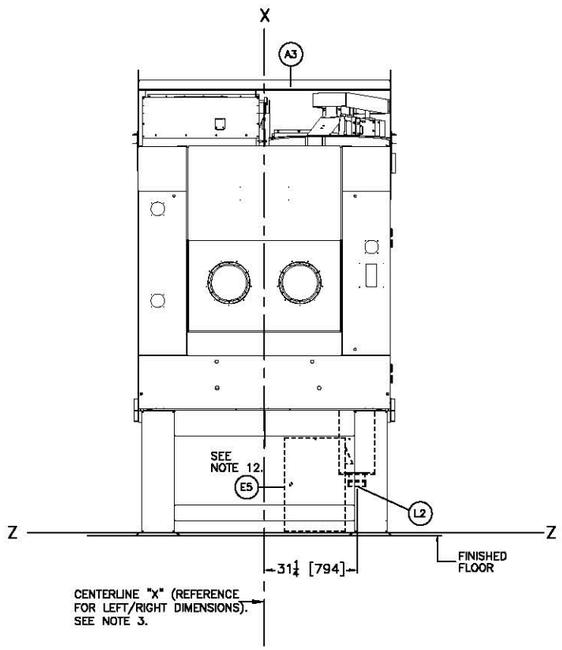
BLOWER EXHAUST
DUCT UP OPTION



PLAN VIEW

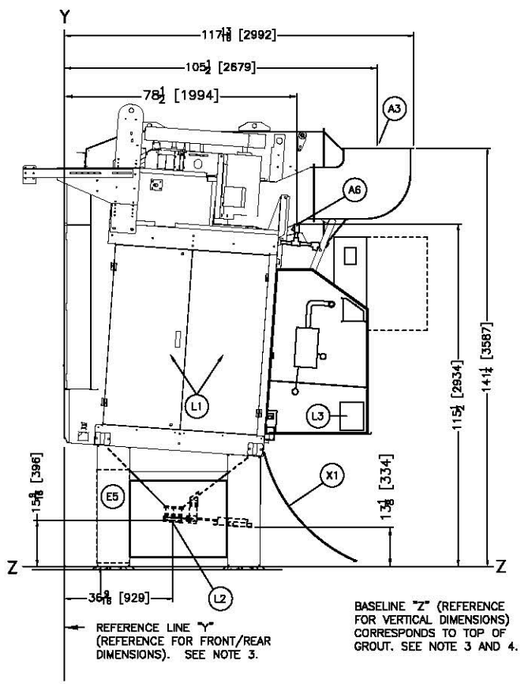


REAR VIEW



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

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

NOTES

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

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

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

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

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

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

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

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6458TS1R OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1REB
2016236D

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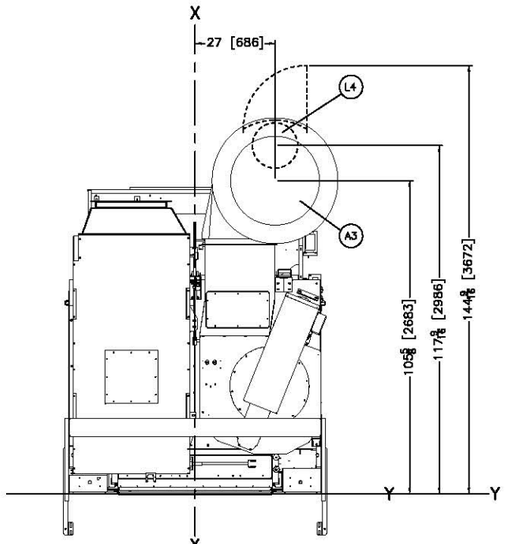
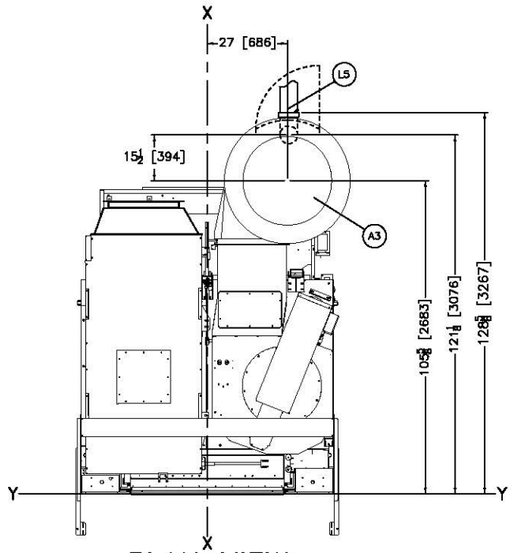
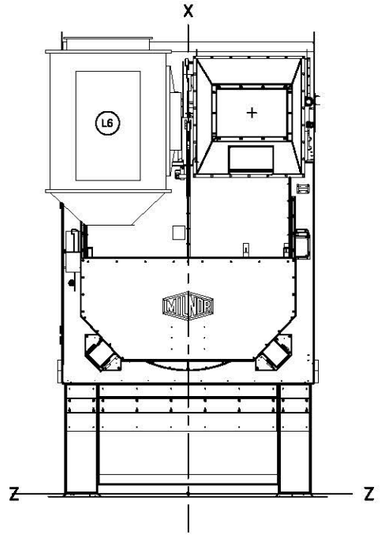
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3084, Email: milnorinfo@milnor.com



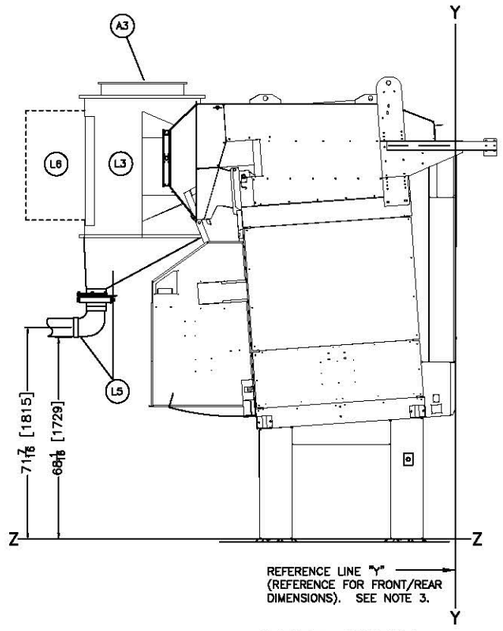
PLAN VIEW
LINT OUTLET TO BAG COLLECTOR



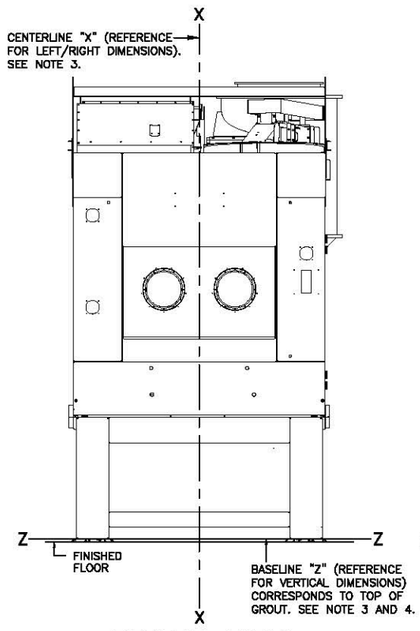
PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



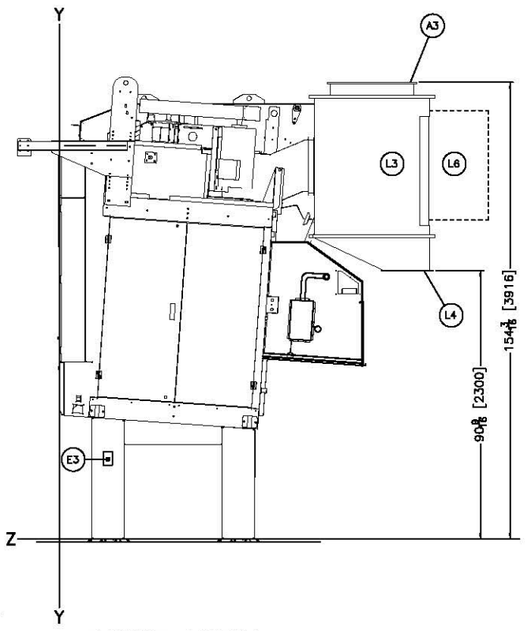
REAR VIEW
LINT OUTLET TO BAG COLLECTOR



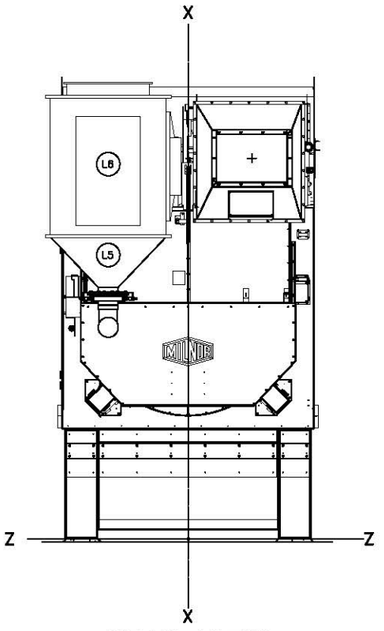
LEFT VIEW



FRONT VIEW



RIGHT VIEW



REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR

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

NOTES

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

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6458TS1R + MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1REC
2016236D

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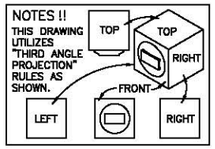
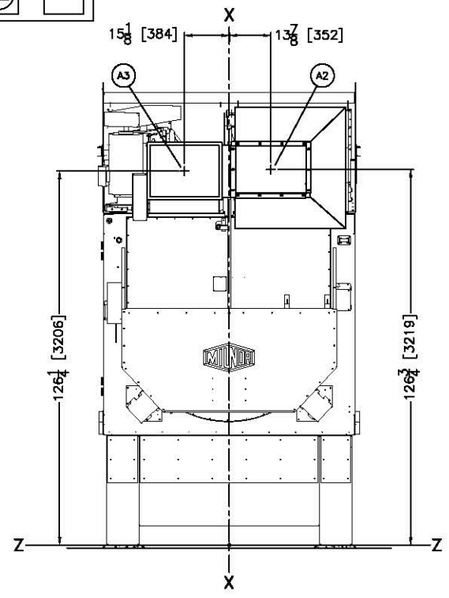
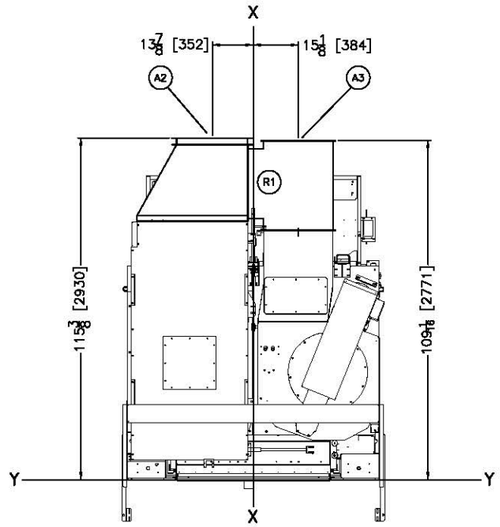
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3094, Email: milnorinfo@milnor.com



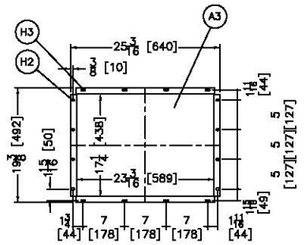


REAR VIEW

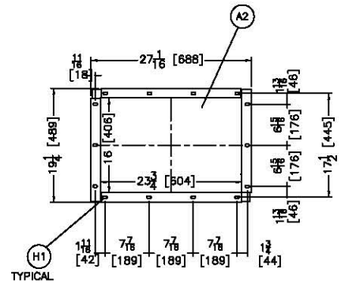


PLAN VIEW

THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6458TS1LEE.



RECIRCULATION BLOWER EXHAUST DUCT TO REAR DETAIL



RECIRCULATION BLOWER INTAKE DUCT DETAIL

ITEM	LEGEND
R1	RECIRCULATION DUCTING
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	3/8" [9] DIA. X 3/4"[19] SLOTS, 14 PLACES
A3	RECIRCULATION DUCTING BLOWER EXHAUST REAR, SEE DETAIL
A2	RECIRCULATION DUCTING BLOWER INLET, SEE DETAIL.

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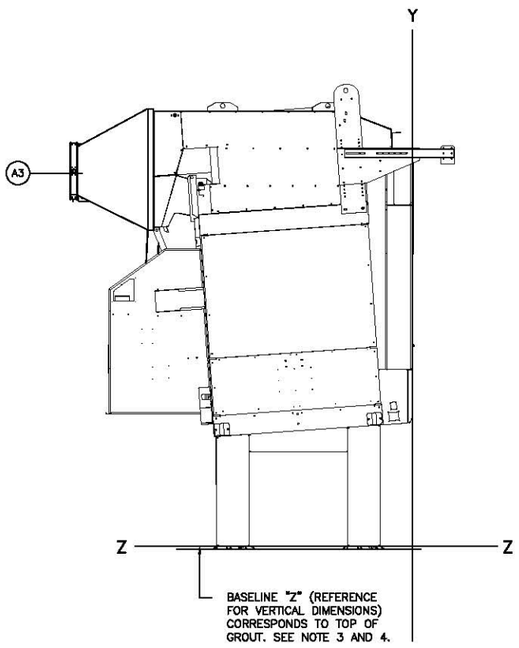
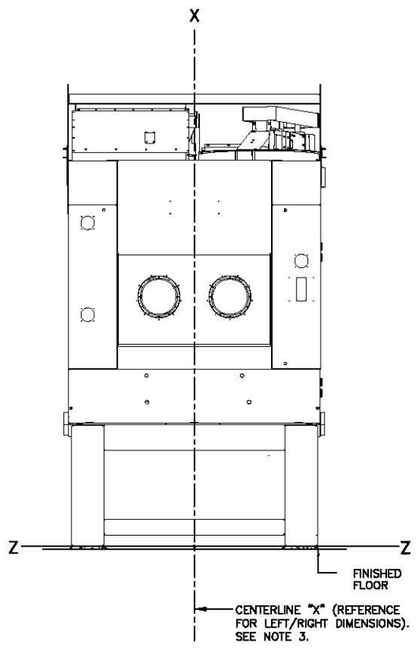
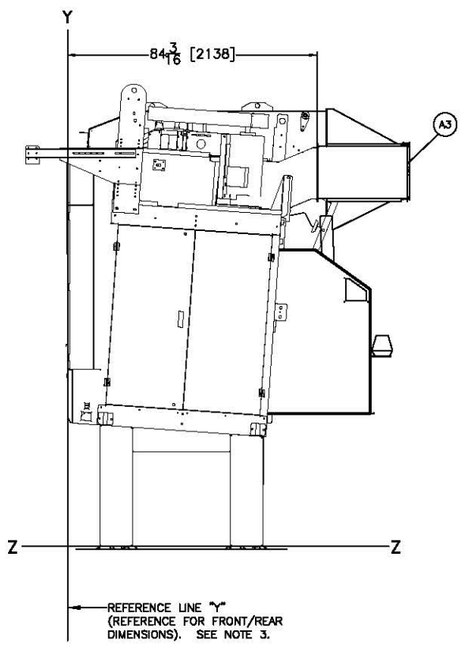


LEFT VIEW



FRONT VIEW



RIGHT VIEW

6458TS1R RECIRC-BLOWER LEFT

DWG# BD6458TS1RED
2016236D

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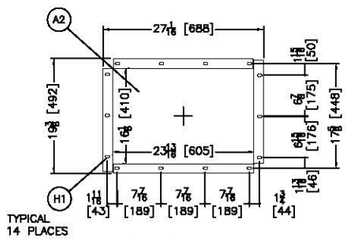
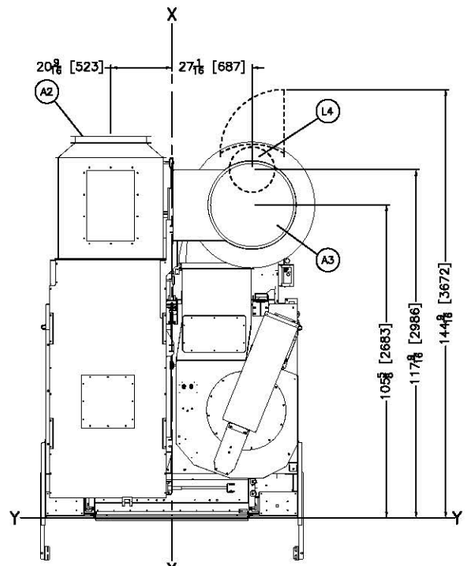
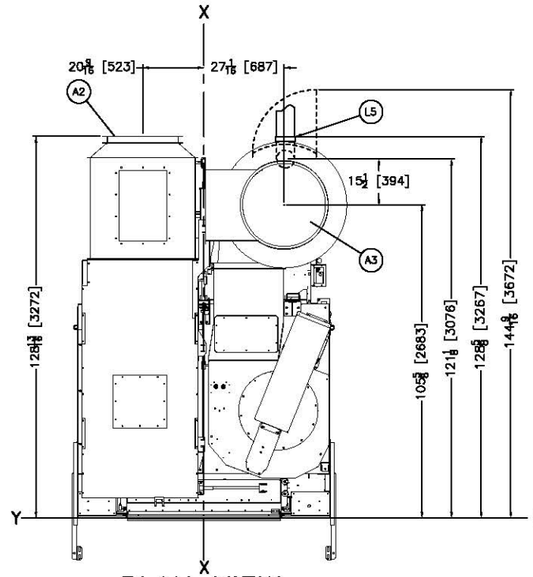
THIS DRAWING IS FOR THE RECIRCULATION DUCTING OPTION. USE THIS DRAWING WITH BD6458TS1REE.



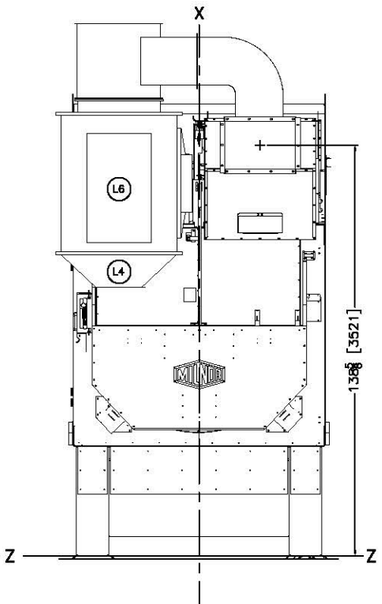
RECIRCULATION BLOWER INTAKE DUCT DETAIL



PLAN VIEW
LINT OUTLET TO BAG COLLECTOR



PLAN VIEW
LINT OUTLET TO VACUUM COLLECTOR



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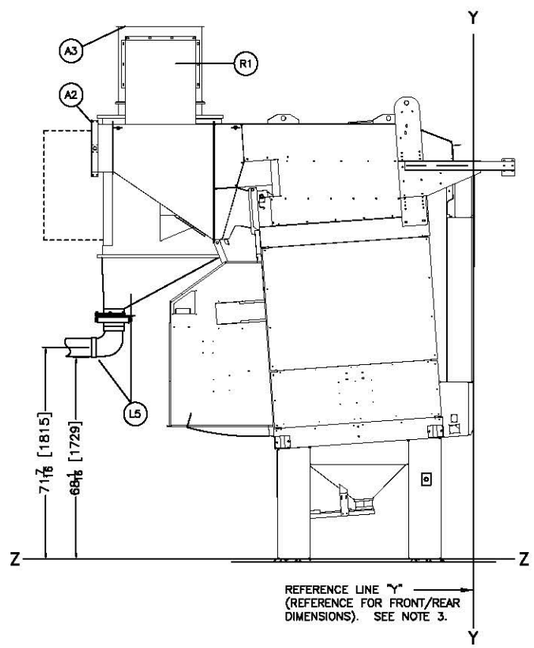

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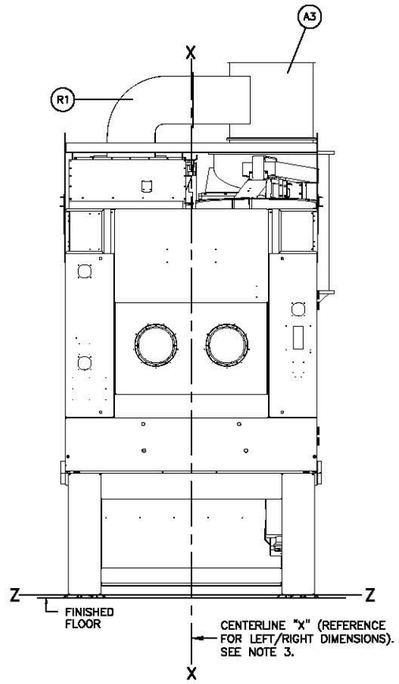

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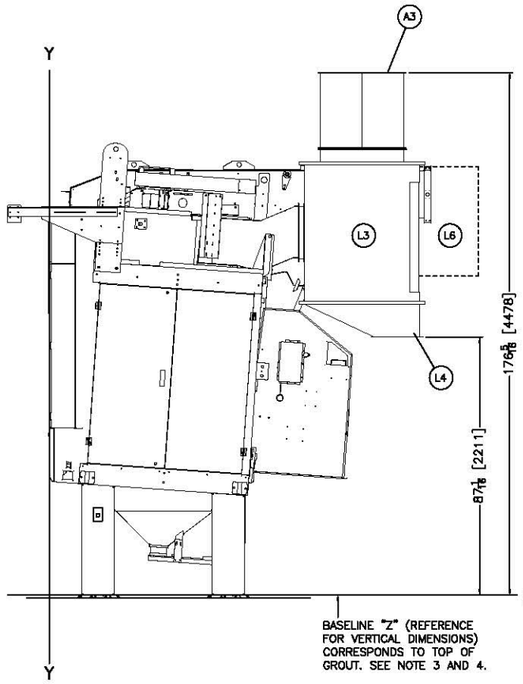

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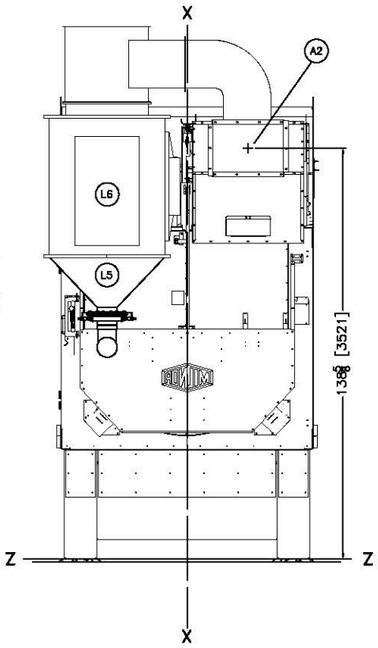

REAR VIEW
LINT OUTLET TO VACUUM COLLECTOR

ITEM	LEGEND
R1	RECIRCULATION DUCT
L6	HINGED ACCESS DOOR
L5	CONE, LINT COLLECTION OUTLET TO VACUUM COLLECTOR DISCHARGE, 6" PIPE CONNECTION
L4	CONE, LINT COLLECTION OUTLET TO BAG, DISCHARGE 15–1/2" ID FLANGED OUTLET
L3	MLF1010 LINT FILTER (SUPPORTED BY OTHERS)
H1	3/8" [10] DIAMETER X .3/4" SLOTS, 14 PLACES
A3	BLOWER EXHAUST, 28"[711] DIAMETER
A2	BLOWER INTAKE

NOTES

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

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

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

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

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

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

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36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

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

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

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

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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.

6458TS1R + RECIRC + MLF1010

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458TS1REF 2016236D

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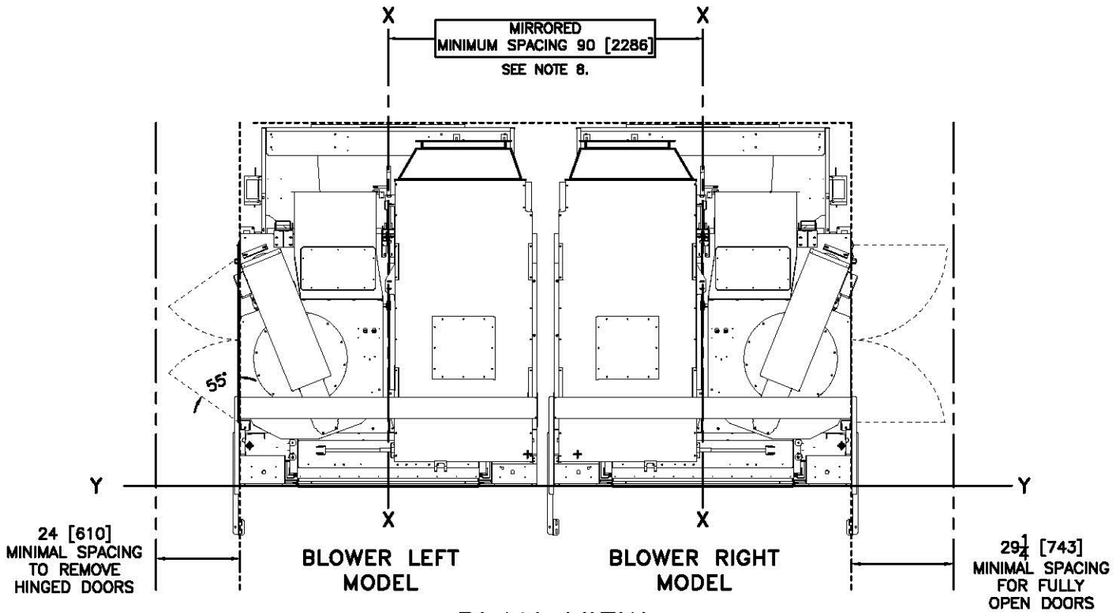
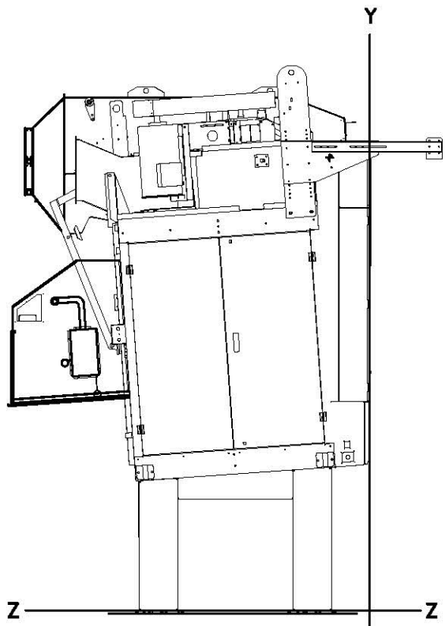
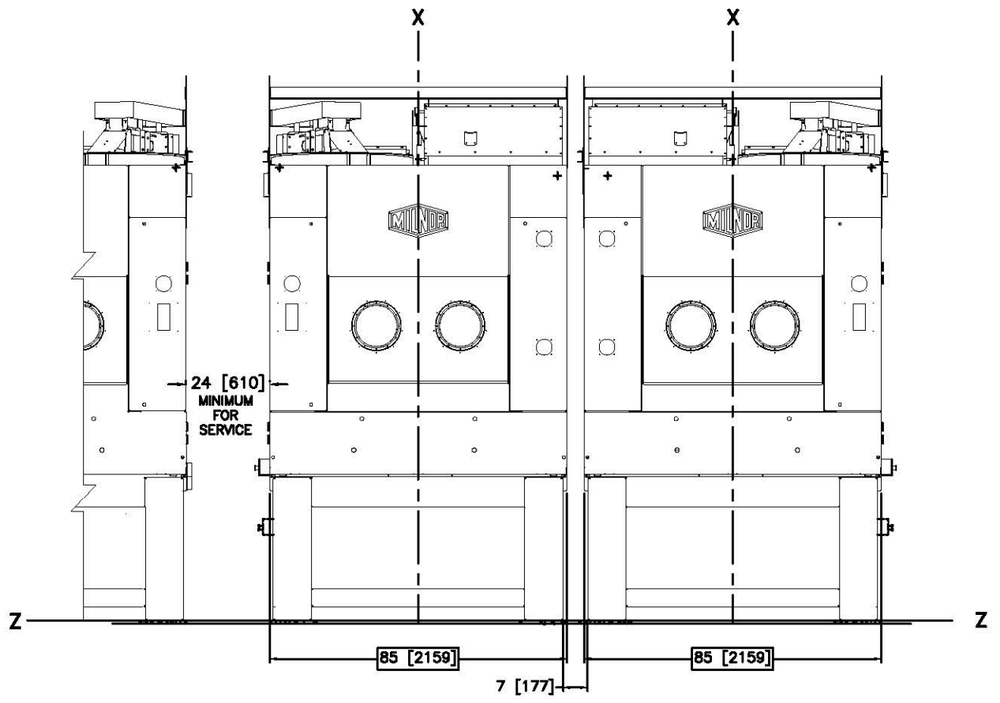
P.O. Box 400 Kenner, LA 70063, USA. Phone 504/467-9591.
FAX 504/468-3094. Email: milnorinfo@milnor.com



PLAN VIEW



TYPICAL
SERVICE SIDE
LEFT VIEW
(BLOWER LEFT
MODEL SHOWN)



FRONT VIEW
MIRRORED INSTALLATION
SEE NOTE 8.

NOTES

8 THE DRYERS' STEAM COIL PIPING DOES NOT ALLOW THE STEAM DRYERS TO USE THE "PAIRED" OPTION. EACH DRYER IS ORDERED AS A STANDALONE DRYER WHICH INCLUDES SIDE PLATE PANELS ON NON-SERVICE SIDE.

7 THIS DRAWING SHOWS THE 64088TC1 DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

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

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

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ATTENTION

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ATTENTION

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64058 TS1L,TS1R MINIMUM SPACING

DM 0 0.5M
INCHES 0 12 24

DRWG BD6458TS1PEE
2024443D

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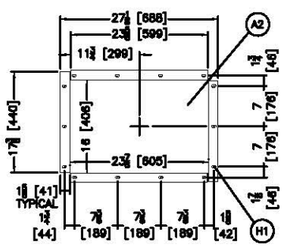
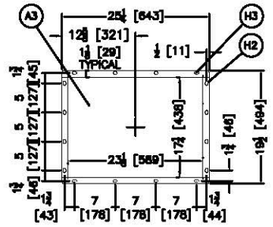
HOT OIL DRYERS
CANNOT BE INSTALLED PAIRED

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

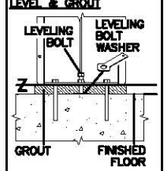


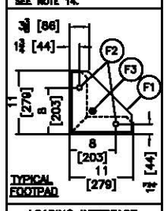
BLOWER INTAKE
DUCT DETAIL

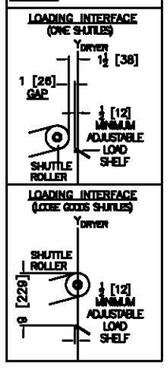


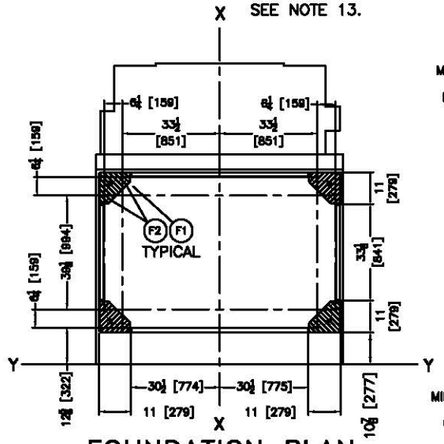
BLOWER EXHAUST
TO REAR
DUCT DETAIL
SEE NOTE 13.

DETAILS:

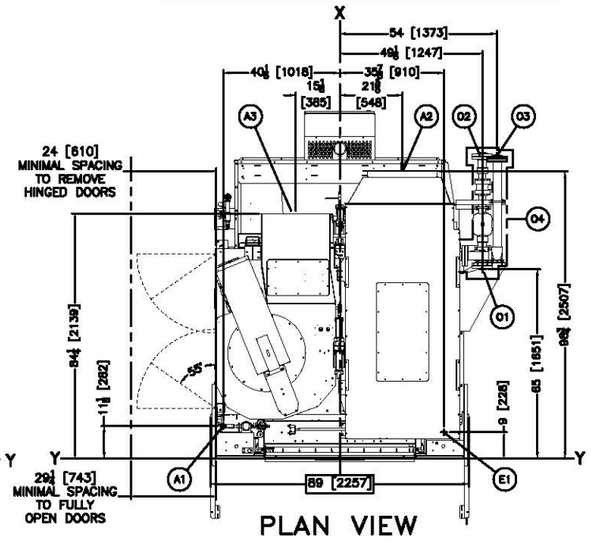




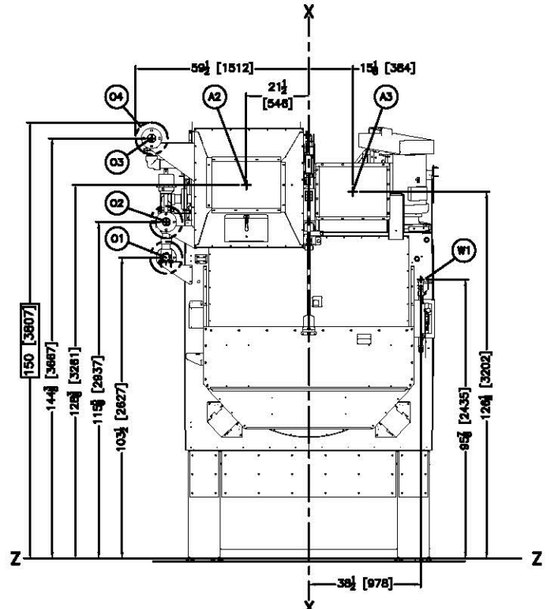




FOUNDATION PLAN



PLAN VIEW



REAR VIEW

ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1-1/4" NPT
S1	REMOVABLE ACCESS DOORS
O4	HOT OIL, 2" THICK PIPE INSULATION COVERS, PROVIDED
O3	HOT OIL OUTLET, 2 1/2" 150# FLANGED CONNECTION
O2	HOT OIL BYPASS, 2 1/2" 150# FLANGED CONNECTION
O1	HOT OIL INLET, 2 1/2" 150# FLANGED CONNECTION
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
F3	LEVELING BOLT (5/8"-11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E4	REMOTE MULTITRAC DISPLAY – NON STANDARD
E3	EMERGENCY STOP LOCATIONS
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
D5	OPTIONAL SHORT SHROUD
D4	STANDARD SHROUD
D3	DISCHARGE DOOR
D2	LOAD DOOR, 52" WIDE
D1	LOAD HEIGHT
B3	BLOWER MOTOR
B1	SHUTTLE RAIL SUPPORT
A4	AIR VALVE BOX
A3	BLOWER EXHAUST REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION 1"NPT

NOTES

15 FOR UTILITY REQUIREMENTS FOR GAS, STEAM, THERMAL OIL, AIR INTAKE, AND WATER SUPPLY, SEE DOCUMENT BPDU601/20160505 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 EXHAUST DUCTING: DRYER OPERATES UP TO 850OSCFM WITH PRESSURE CHANGES OF UP TO 4" DURING THE CYCLE. THESE CYCLES ARE NUMEROUS AND VARYING THUS FATIGUE OF THE EXHAUST DUCTING NEEDS TO BE CONSIDERED. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 20 GAUGE GALVANIZED SHEET STEEL SPIRAL DUCT WORKS WELL. IF SQUARE DUCTING IS USED, MATERIAL THICKNESS MUST BE CONSIDERED TO PREVENT OIL CANNING AND VIBRATION. FIELD EXPERIENCE HAS SHOWN THAT A MINIMUM THICKNESS OF 16 GAUGE GALVANIZED SHEET STEEL IS REQUIRED. HEAVIER GAUGE AND OR STIFFENERS MAY BE REQUIRED GIVEN THE SIZE AND LENGTH OF THE DUCT. ELBOWS AND TRANSITIONS LIKELY WILL REQUIRE DOUBLING THE GAUGE.

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

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9 DRYER IS DISASSEMBLED INTO THREE COMPONENTS FOR SHIPPING, THE BASE, THE HOUSE, AND THE TOP OF THE BLOWER INTAKE DUCT. CONSULT MILNOR FACTORY IF ADDITIONAL COMPONENTS, SUCH AS BLOWER HOUSING, MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

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

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

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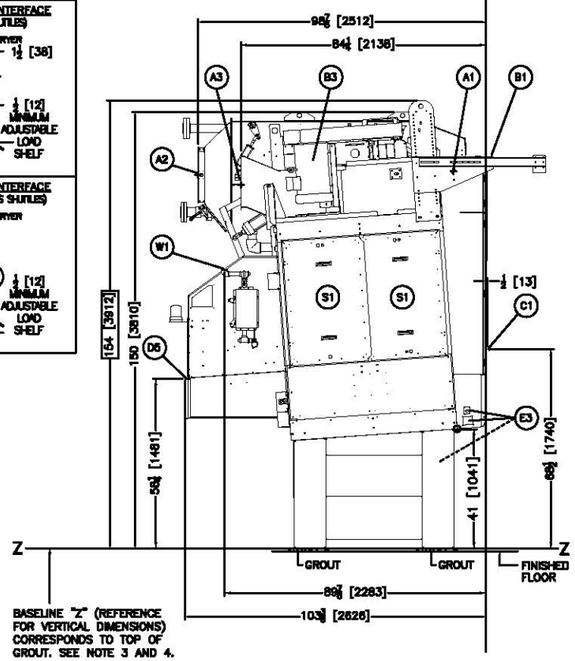
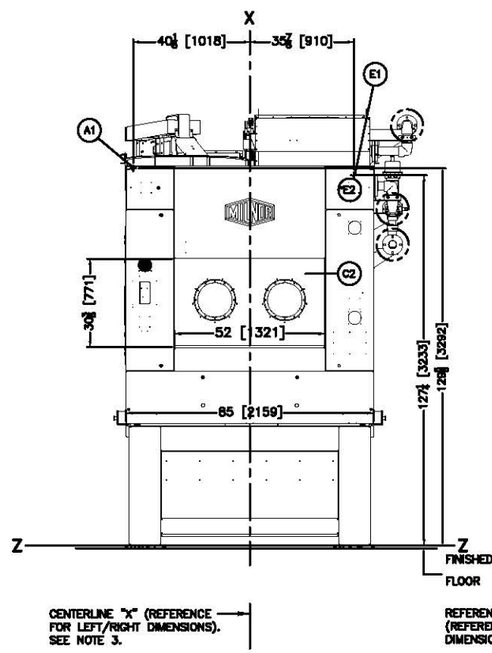


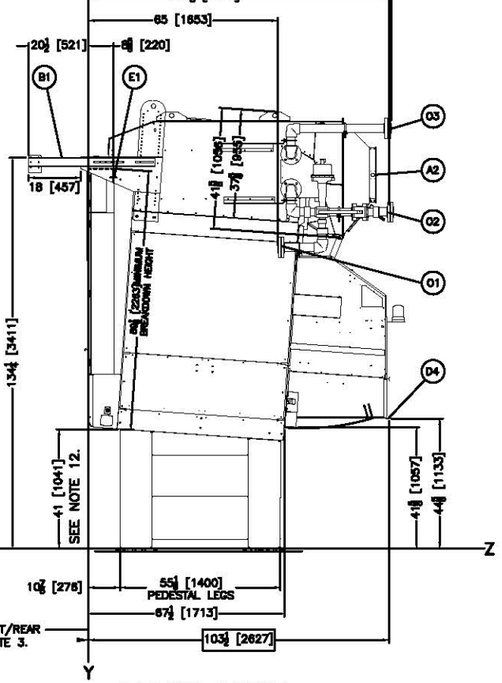
BASELINE "Z" (REFERENCE FOR VERTICAL DIMENSIONS) CORRESPONDS TO TOP OF GROUT. SEE NOTE 3 AND 4.

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.

RIGHT VIEW

6458TT1L

DM 0 0.5M
INCHES 0 12 24

DRAWING BD6458TT1LEE
2025094D

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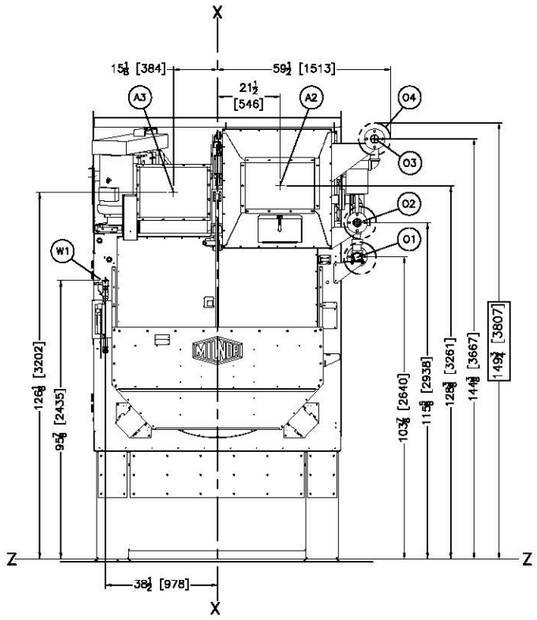
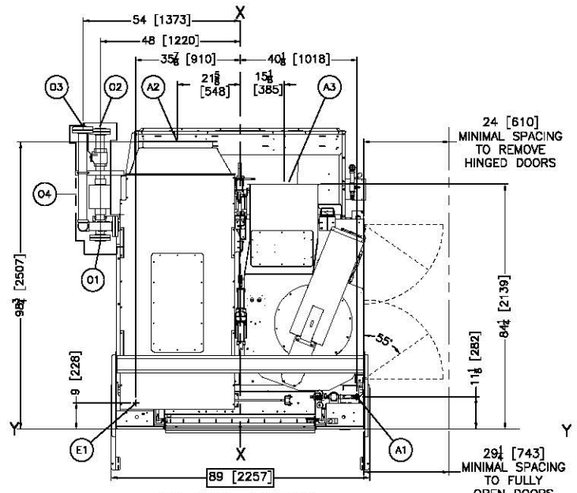
FAX 504/468-3064, Email: milnorinfo@milnor.com

HOT OIL DRYERS
CANNOT BE INSTALLED PAIRED

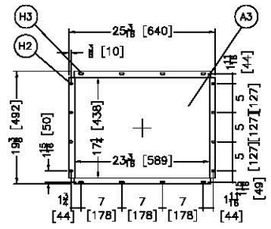
ZERO PEDESTAL SHOWN
ADJUST ALL VERTICAL DIMENSIONS
TO THE PEDESTAL SPECIFIED.
SEE NOTE 12.



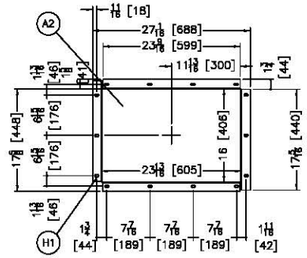
REAR VIEW



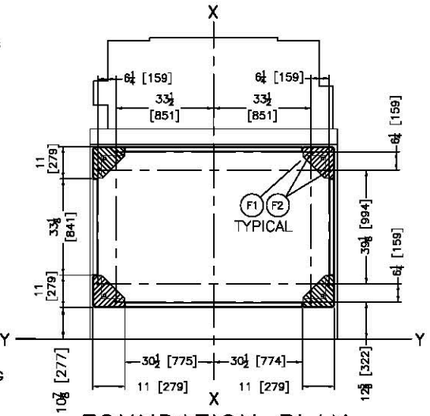
PLAN VIEW



BLOWER EXHAUST
TO REAR
DUCT DETAIL
SEE NOTE 13.

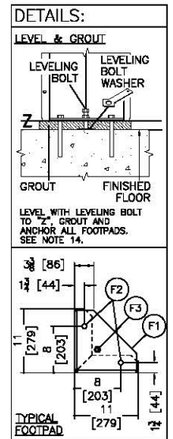


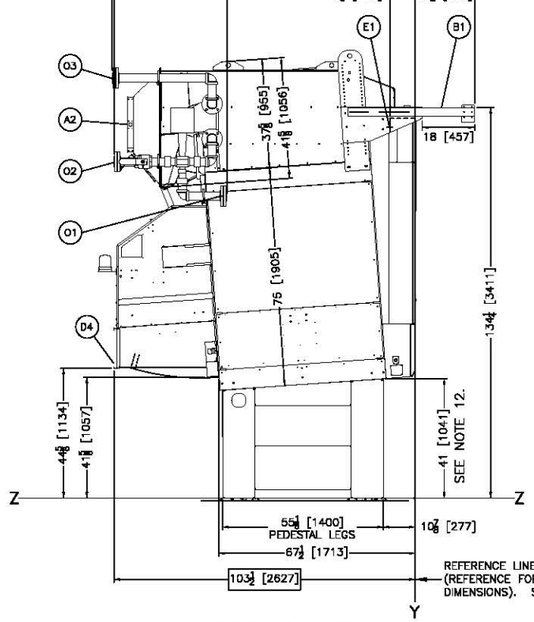
BLOWER INTAKE
DUCT DETAIL



FOUNDATION PLAN

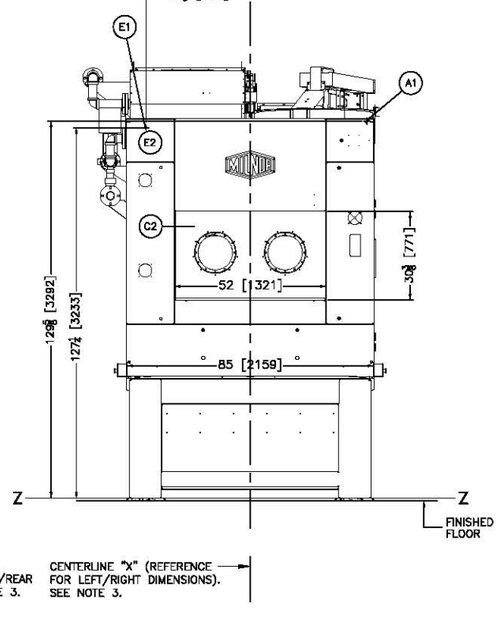
DETAILS:





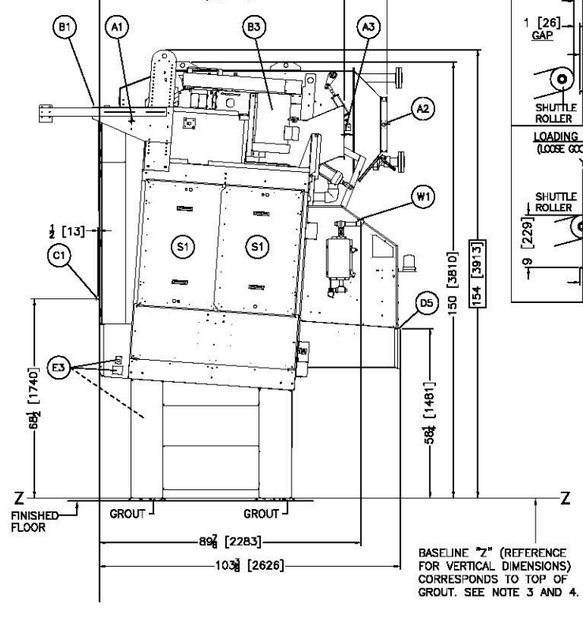
RIGHT VIEW

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



FRONT VIEW

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



LEFT VIEW

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

ITEM	LEGEND
W1	SPRINKLER WATER INLET , 1–1/4" NPT
S1	REMOVABLE ACCESS DOORS
O3	HOT OIL OUTLET, 2 1/2" 150# FLANGED CONNECTION
O2	HOT OIL BYPASS, 2 1/2" 150# FLANGED CONNECTION
O1	HOT OIL INLET, 2 1/2" 150# FLANGED CONNECTION
H3	5/16"[7] DIA. X 3/4"[19] SLOTS, 8 PLACES
H2	5/16"[7] DIA. X 1/2"[13] SLOTS, 8 PLACES
H1	.406"[10] DIA. X 3/4"[19] SLOTS, 14 PLACES
F3	LEVELING BOLT (5/8"–11 X 3") SUPPLIED.
F2	DRYER FOOT SUPPORT PLATES, SEE NOTE 14.
F1	ANCHOR BOLT HOLES, 13/16"[21] DIA, 8 PLACES
E2	MICROPROCESSOR BOX
E1	MAIN ELECTRICAL CONNECTION
D5	OPTIONAL SHORT SHROUD
D4	DISCHARGE SHROUD
D3	DISCHARGE DOOR
D2	LOAD DOOR, 52" WIDE
D1	LOAD HEIGHT
B3	BLOWER MOTOR
B1	SHUTTLE RAIL SUPPORT
A4	AIR VALVE BOX
A3	BLOWER EXHAUST REAR, STANDARD, SEE DETAIL.
A2	BLOWER INTAKE, SEE DETAIL
A1	MAIN AIR CONNECTION 1"NPT

NOTES

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

12 THIS DRAWING SHOWS THE 6458TT1R DRYER USING A 41"[1041] PEDESTAL BASE. WHICH IS EQUAL TO ZERO PEDESTAL, STANDARD HEIGHT FOR CONVEYOR DISCHARGE. PEDESTALS MAY BE ORDERED TO INCREASE OR DECREASE THE MACHINE HEIGHT. ALL VERTICAL DIMENSIONS MUST BE ADJUSTED FOR THE SPECIFIED PEDESTAL.

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

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

9 DRYER IS DISASSEMBLED INTO THREE COMPONENTS FOR SHIPPING, THE BASE, THE HOUSE, AND THE TOP OF THE BLOWER INTAKE DUCT. CONSULT MILNOR FACTORY IF ADDITIONAL COMPONENTS, SUCH AS BLOWER HOUSING, MUST BE REMOVED TO FIT MACHINE THROUGH OPENING.

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

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

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

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

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

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

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

ATTENTION

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

ATTENTION

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

6458TT1R

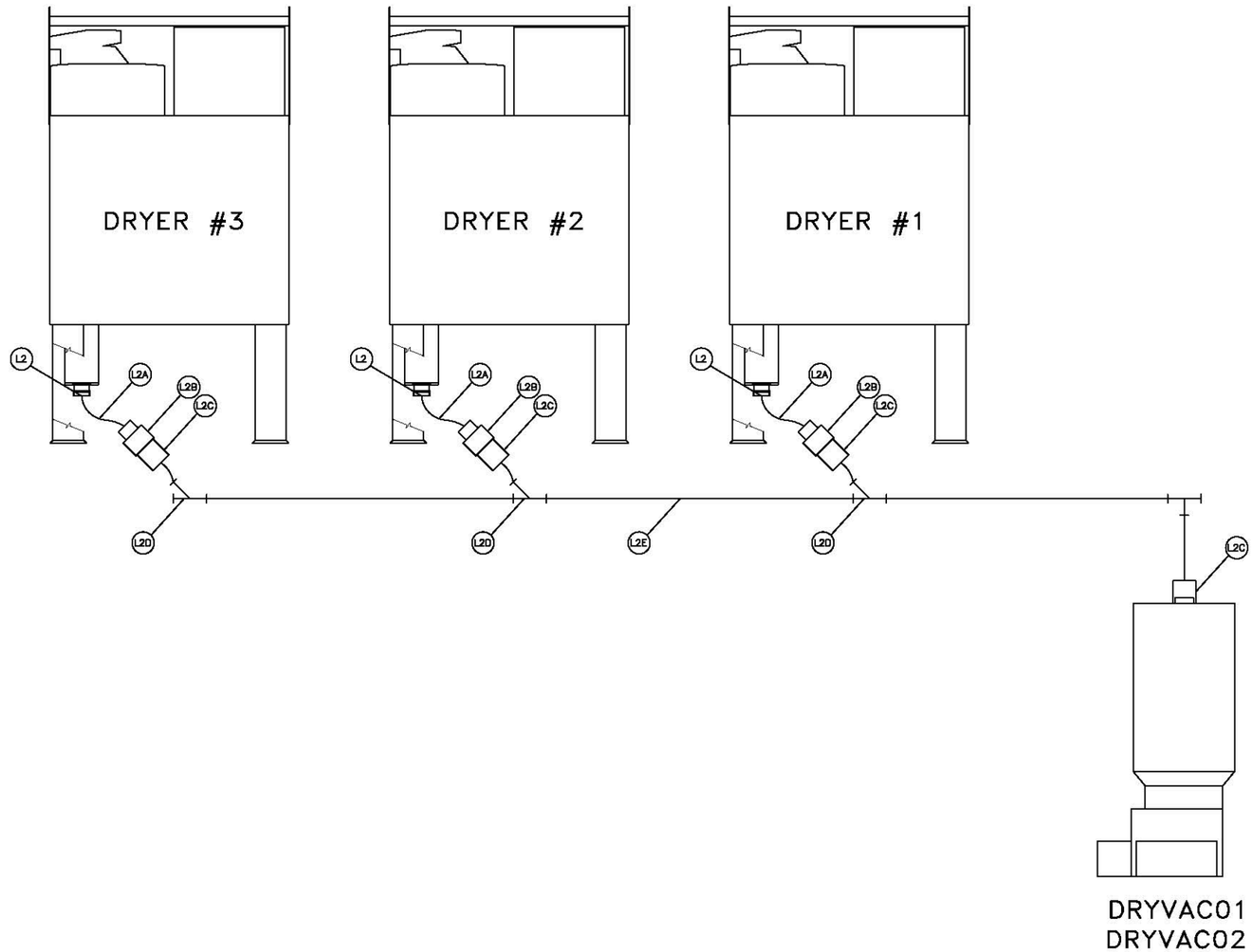
DM 0 0.5M
INCHES 0 12 24

DWG# BD6458TT1REE 2025094D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467–9591,
FAX 504/468–3084, Email: milnorlit@milnor.com

ADDITIONAL AIR REQUIREMENTS FOR (L1)– OPTIONAL INTERNAL LINT FILTERS (SEE NOTE 7.)

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



ITEM	LEGEND
L2E	6" SHC40 PVC (NOT SUPPLIED PMC.)
L2D	6" Y – PVC (NOT SUPPLIED PMC.)
L2C	6" NO HUB CONNECTOR (NOT SUPPLIED PMC.)
L2B	REDUCER 6" X 6", (PART W7–71865, SUPPLIED PMC)
L2A	6" FLEX HOSE (NOT SUPPLIED PMC.)
L2	LINT OUTLET (6" FLEX HOSE CONNECTION) FOR OPTIONAL INTERNAL LINT SCREEN. PIPES TO DRYVAC01, DRYVAC02 OR LINT COLLECTOR BY OTHERS.

NOTES

8 SEE DRYER OPTION PAGES FOR ADDITIONAL DIMENSIONAL INFORMATION FOR OPTIONAL INTERNAL LINT SCREENS.

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

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RECOMMENDED LINT COLLECTOR PIPING

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BD6458DLCPBE
2014453D

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