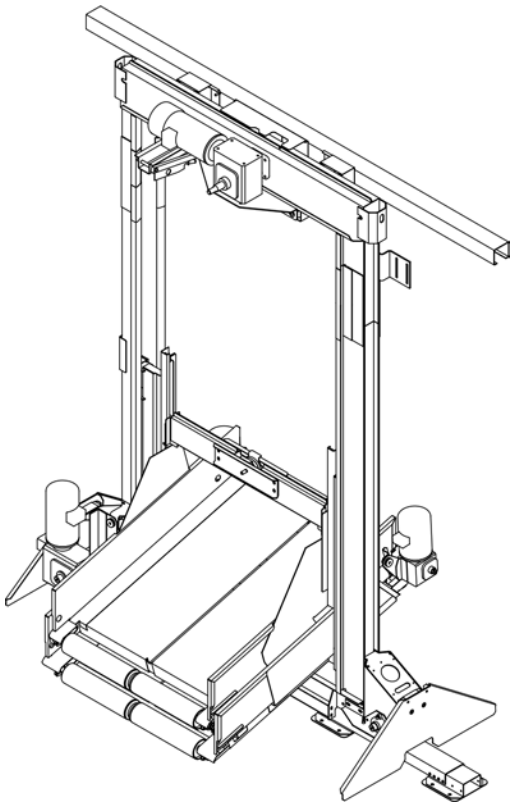
Manual Number: MCSCAI01
Edition (ECN): 2024123A

Installation

COSH(A,J,K,B,X)_, CL (36,40,48)_



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

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1 General Information

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PELLERIN MILNOR CORPORATION
LIMITED STANDARD WARRANTY

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

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

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

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.

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1.1 How to Get the Necessary Repair Components

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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

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1.2 Trademarks

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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™	

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1.3 Safety — Shuttle Conveyors

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1.3.1 Safety Alert Messages—Internal Electrical and Mechanical Hazards

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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.

1.3.2 Safety Alert Messages—External Mechanical Hazards

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

CAUTION: Strike and Crush Hazards — A traveling machine such as a shuttle can strike, crush, or entrap you if you ride on it or enter its path. Traveling machines or their components can move automatically in any direction. Placing a system machine on line by energizing the machine control may immediately summon a shuttle or other traveling machine.

- Keep yourself and others off of machine.
- Keep yourself and others clear of movement areas and paths.
- Understand the consequences of placing a system machine on line.
- Know the location of all emergency stop switches, pull cords, and/or kick plates and use them in an emergency to stop machine motion.
- Know the location of the main machine disconnect and use it in an emergency to remove all electric power from the machine.

CAUTION: Crush and Entrap Hazards — A traveling machine such as a shuttle can crush or entrap you if the bed or bucket descends while you are under it. The bed or bucket can descend with power off or on.

- Keep yourself and others clear of movement areas and paths.

WARNING: Fall, Entangle, and Strike Hazards — Machine motion can cause you to fall or become entangled in or struck by nearby objects if you stand, walk, or ride on the machine. Shuttles and conveyor belts move automatically.

- Keep yourself and others off of machine.

1.3.3 Safety Alert Messages—Unsafe Conditions

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1.3.3.1 Damage and Malfunction Hazards

BNSUUS03.C02 0000240132 A.2 B.2 C.2 1/2/20, 2:04 PM Released

1.3.3.1.1 Hazards Resulting from Inoperative Safety Devices

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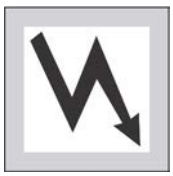
WARNING: Multiple Hazards — Operating the machine with an inoperative safety device can kill or injure personnel, damage or destroy the machine, damage property, and/or void the warranty.

- 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.

1.3.3.1.2 Hazards Resulting from Damaged Mechanical Devices

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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.

WARNING: Crush Hazards — Chain and hoist—A broken chain or a malfunctioning hoist can permit the belt/bucket assembly to fall or descend.

- Do not operate the machine with any evidence of damage or malfunction.

1.3.3.2 Careless Use Hazards

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

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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 causes improper processing, routing, and accounting of batches.

- Understand the consequences of entering cake data.

WARNING: Strike and Crush Hazards — Carelessly moving the machine with manual controls can cause it to strike, crush, entrap, or entangle personnel. You have total control of machine movement immediately after setting the Manual/Automatic switch to manual.

- Keep yourself and others clear of movement areas and paths.
- Understand the consequences of operating manually.

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

BNSUUS03.C07 0000240154 A.3 B.2 C.2 1/2/20, 2:04 PM Released

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: Crush and Entrap Hazards — A traveling machine such as a shuttle can crush or entrap you if the bed or bucket descends while you are under it. The bed or bucket can descend with power off or on.

- Secure both red safety pins in accordance with the instructions furnished, then lock out and tag out power at the main machine disconnect before working under bed or bucket.

WARNING: Strike and Crush Hazards — A traveling machine such as a shuttle can strike, crush, or entrap you if you ride on it or enter its path. Traveling machines or their components can move automatically in any direction. Placing a

system machine on line by energizing the machine control may immediately summon a shuttle or other traveling machine.

- Lock out and tag out power to the traveling machine at the main machine disconnect if you must work in the path of the traveling machine.

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1.4 Installation Tag Guidelines

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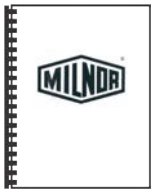
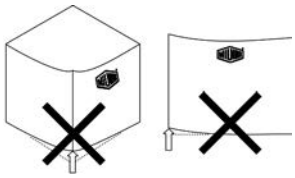
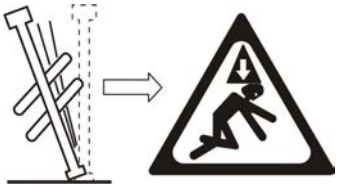
Cake Shuttles Loose Goods Shuttles

NOTICE:

Display or Action	Explanation
	Read the manuals before proceeding. This symbol appears on most tags. The machine ships with safety, operator, and routine maintenance guides for customer use. Milnor dealer manuals for installing, 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.
	B2TAG94084: Do not lift from one corner of the machine, as this can cause the frame to rack, damaging it.
	B2TAG94089: Do not attempt to balance the shuttle on the lower shipping brackets. Always suspend and lift the shuttle from the lifting eyes at the top of the machine.

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.

B2T2010001: Mount festoon tow bar this way. (Used only on COSHM, COSHP, COSHQ & COSHR models.)

2 Important Installation Precautions

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2.1 External Fuse/Breaker, Wiring, and Disconnect Requirements

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An external fuse **or** circuit breaker and a disconnect switch must be provided in the facility for (and dedicated to) the machine. These may be in the same or separate, **permanently mounted** electric boxes. Electric power and ground connections will be made between the incoming power junction box on the machine and this external box (or one of the boxes).

2.1.1 Fuse or Circuit Breaker Size

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Refer to the “External Fuse and Wire Sizes...” document for your machine model. This document will be found in the machine's installation manual, available from the parts department. Choose the fuse or circuit breaker from the appropriate column of the table provided, as follows:

If a fuse is used — Match the fuse listed in the “Fuse” column for your machine's voltage. The specified fuse sizes are consistent with the USA National Electric Code (NEC), section 430-52, exception No. 2, Part B, which states: “The rating of a time-delay (dual-element) fuse shall be permitted to be increased, but shall in no case exceed 225 percent of the full-load current.”

If a standard circuit breaker is used — Match the amperage rating listed in the “Breaker” column for your machine's voltage.

If an inverse time circuit breaker is used — Match the characteristics (amperage rating) of the fuse listed in the “Fuse” column for your machine's voltage. When applied to an inverse time circuit breaker, the specified fuse sizes are consistent with the USA National Electric Code (NEC), section 430-52, exception No. 2, Part C, which states: “The rating of an inverse time circuit breaker shall be permitted to be increased, but shall in no case exceed 400 percent for full-load currents of 100 amperes or less.”

2.1.2 Wire Size

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Use wiring no smaller than that listed for your machine's voltage in the “Wire size... ”column in the “External Fuse and Wire Sizes...” document. The table value applies to runs up to 50 feet (15 meters). Use the next larger size for runs 50 to 100 feet (15 to 30 meters). Use wire two sizes larger for runs greater than 100 feet (30 meters). If an inverse time circuit breaker is used and local codes require a larger wire size than that specified by Milnor, abide by the local code.

NOTICE: The specified wire size may appear too small for the fuse or circuit breaker shown. However, it is consistent with both the load imposed and with the USA National Electric Code.

2.1.3 Ground

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The ground wire and connections must ensure a reliable earth ground (zero potential). Use wiring of at least as large a gauge as that required for incoming power. Do not rely on conduit, machine anchorage, etc. Use the ground lug provided in the incoming power junction box on the machine.

2.1.4 Disconnect Switch for Lockout/Tagout

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The disconnect switch must permit personnel to disconnect and lockout/tagout electric power from the machine. In the USA, refer to OSHA standard 1910.147 “The control of hazardous energy (lockout/tagout)”. Refer to the USA National Electric Code for requirements on locating the switch. In other locales, abide by these standards if no other local codes apply.

2.1.5 Using GFCI (Ground Fault Circuit Interrupter) Device

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The AC Drive will most likely cause the GFCI protection device to trip. The reason the AC Drive will cause this tripping of the GFCI is the Common Mode Current or Common Mode Noise (CM Noise) that the VFD is producing.

Use a GFCI with a higher trip level.

NOTE: Choose a GFCI designed specifically for an AC drive. The operation time should be at least 0.1 s with sensitivity amperage of at least 200 mA per drive. The output waveform of the drive may cause an increase in leakage current. This may in turn cause the leakage breaker to malfunction. Increase the sensitivity amperage or lower the carrier frequency to correct the problem.

Use a type B GFCI according to IEC/EN 60755.

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2.2 Proximity Safeguarding for Automatic Shuttle Conveyors

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Proximity safeguarding a means of preventing personnel from entering the path of a machine, such as an industrial robot, that moves within a large area.

2.2.1 Applicability

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This document—

applies to Milnor® automated laundering systems with shuttle conveyors that move without operator intervention (automatic operation),

does not apply to shuttles that require operator input continually, such as directing all shuttle movements (manual operation).

2.2.2 References for Proximity Safeguarding

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ANSI Z8.1-2016 “American National Standard for Commercial Laundry and Drycleaning Equipment and Operations - Safety Requirements”

OSHA Standard 29 CFR § 1910.212 “General Requirements for All Machines”

OSHA Directive STD 01-12-002 - Pub 8-1.3 “Guidelines for Robotic Safety”

ANSI/RIA R15.06-2012 “American National Standard for Industrial Robots and Robot Systems- Safety Requirements”

ANSI/ASME B15.1-2000 “Safety Standard for Mechanical Power Transmission Apparatus”

OSHA Publication 3067 “Concepts and Techniques of Machine Safeguarding”

ISO 10472-1 “Safety Requirements for Industrial Laundry Machinery”

2.2.3 Hazards To Personnel in Proximity to Shuttle Conveyors

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Milnor® automated laundering systems use *automatic shuttle conveyors* to transport goods among the processing machines in the system. Depending on model, an automatic shuttle conveyor may move in any of the following ways, in addition to running its conveyor belt(s):

- It may travel along (traverse) a line of machines (typically dryers).
- Its conveyor bed(s) may ascend and descend (elevate) within the machine frame.
- Its conveyor bed(s) may extend and retract within the machine frame.
- The conveyor bed and frame may pivot.
- Wet goods shuttles have a bucket that elevates and tilts.

These motions pose strike, crush, sever, and entrapment hazards to personnel in proximity to the shuttle. **For the safety of personnel, owner/users must provide proximity safeguarding that protects personnel from the moving shuttle.**

A common method of proximity safeguarding is safety fencing with interlocked gates that disable the shuttle when a gate is opened. When a shuttle is disabled, this will eventually cause other machines in the system to *hold* (wait for action from another machine), but it will not necessarily cause them to immediately stop moving. In the case of a tunnel system, the press or centrifugal extractor can pose additional hazards to personnel in proximity to the equipment. **Hence, the safeguards must also disable any presses or extractors**. Tunnels and dryers do not pose a significant hazard to personnel merely because they are in proximity to the equipment, and need not be automatically disabled.

WARNING: Multiple Hazards — Proximity safeguarding provides only partial protection and only against injury resulting from entering the shuttle path. It is not a substitute for proper lockout/tagout procedures and good safety practices.

- Always lockout/tagout any individual machine (or follow the published maintenance procedures) when performing maintenance or clearing a fault on that machine.
- Ensure that all personnel understand the safeguards and do not attempt to defeat them.
- Inspect safeguards weekly to ensure that they are not mechanically or electrically circumvented.

2.2.4 How Milnor® Accommodates Proximity Safeguarding

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Milnor® provides connection points on shuttles, presses and centrifugal extractors for interfacing with devices such as gate interlock switches. These connection points are tagged for easy identification. When Milnor® provides equipment layout drawings for an automated laundering system, it indicates on the drawing, the perimeter of the shuttle movement area that must be guarded. The following hazard statement is displayed on connection point tags as well as equipment layout drawings prepared by Milnor®:

WARNING: Strike, Crush, Sever, and Entrapment Hazards — Serious bodily injury or death can result to personnel in proximity to machinery/systems that traverse, elevate, extend, pivot, and/or tilt. The following mandatory minimum safety requirements must be installed with the machinery system (local codes may require additional precautions):

- Safety fence enclosing machine movement areas,
- Lockable electrical interlocks on all gates, properly interfaced as shown on machine schematics, to disable machine movement when any gate is opened,
- Signs to alert personnel to these hazards, placed prominently around the fenced area.

Although the objectives of proximity safeguarding are the same anywhere, design requirements vary with local codes (which occasionally change) and with the plant layout. For this reason, Milnor® does not provide detailed designs or materials for proximity safeguarding. If the necessary expertise does not exist within the owner/user's organization, consult appropriate sources such as local engineers or architects specializing in industrial facility design.

2.2.5 Examples of Safety Fencing With Interlocked Gates

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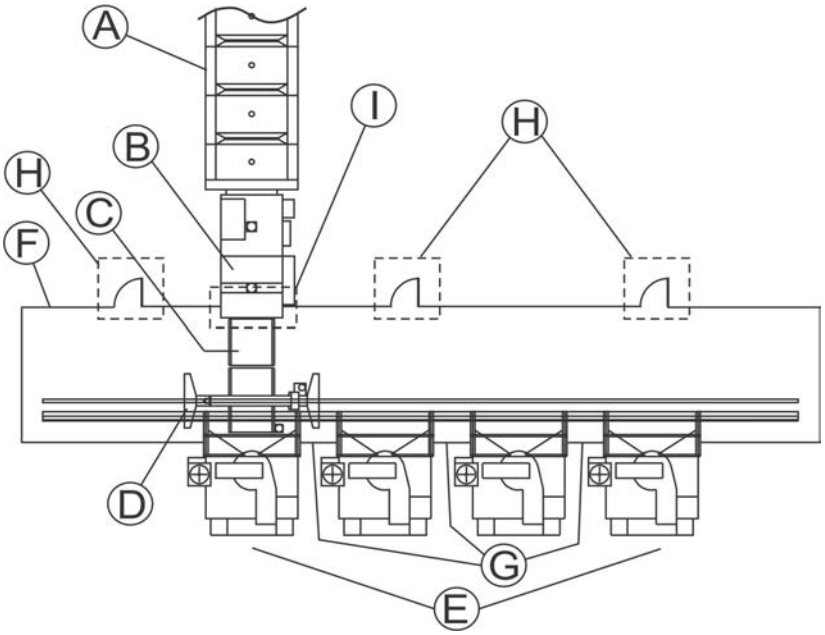
Fencing with interlocked gates like that depicted in Figure 1, page 17 and Figure 2, page 17, may be used to meet the proximity safeguarding requirement. Should the owner/user choose this method, the following information may be useful. However, **this information may not satisfy**

current or local code requirements. The owner/user must determine its suitability for his particular facility.

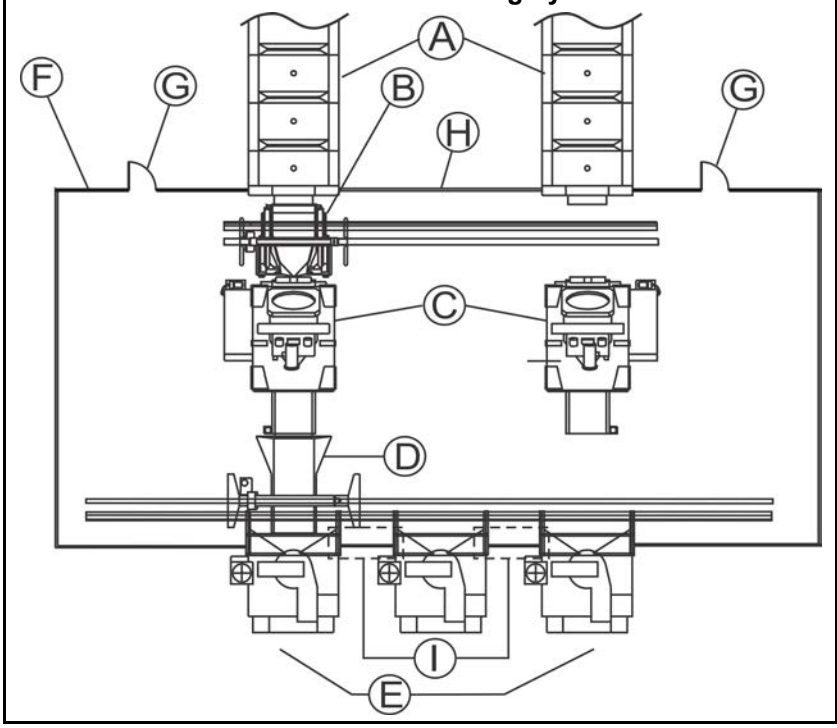
Figure 1. Example Fence Layout for Automated Laundering System Where One Tunnel Serves a Bank of Dryers



Legend

- **A . . .** Continuous Batch Washer (tunnel)
- **B . . .** Press extractor
- **C . . .** COINC inclined conveyor
- **D . . .** Traversing and elevating shuttle conveyor for pressed cakes
- **E . . .** Bank of dryers
- **F . . .** Fence enclosing path of shuttle
- **G . . .** Fence segments between dryers
- **H . . .** Electrically interlocked gates. Gates swing outward at least 90 degrees and swing area is marked on floor. Provide multiple gates for long fence runs.
- **I . . .** Fence restricts access to unload end of press, but does not obstruct access to press controls.

Figure 2. Example Fence Layout for Automated Laundering System Where Two Tunnels Serve a Bank of Dryers



Legend

- **A . . .** Continuous Batch Washers (tunnels)
- **B . . .** Traversing and elevating shuttle conveyor for wet goods
- **C . . .** Centrifugal extractors
- **D . . .** Traversing and elevating shuttle conveyor for loose goods
- **E . . .** Bank of dryers
- **F . . .** Fence enclosing paths of both shuttles and both centrifugal extractors
- **G . . .** Gates interlocked with both shuttles and both centrifugal extractors
- **H . . .** Fence segment between tunnels
- **I . . .** Fence segments between dryers

2.2.5.1 Fence Dimensions

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The fence must discourage climbing over and prevent crawling under.

2.2.5.2 Fence Materials and Setback

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The fence must be constructed of materials and located so as to prevent personnel from reaching through gaps in the fence and contacting the enclosed machinery.

2.2.5.3 Gates

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Personnel gates must be held firmly closed but permit personnel to easily pass through when necessary. Gates must be equipped with a positive latching arrangement to prevent accidental opening. Adequate floor space must be provided to allow the gate to swing at least 90 degrees when fully open. Gates must open outward; that is, away from the fenced perimeter. The floor must be permanently marked to show the gate's swing area, to discourage obstructing its movement.

2.2.5.4 Control Circuitry

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All gates must be electrically interlocked with any shuttle conveyors within the fenced area and with any presses or centrifugal extractors that the fence either encloses or intersects. Opening any gate must have the following effects:

1. Shuttle(s), press(es), and/or centrifugal extractor(s) stop moving immediately.
2. An audible alarm sounds.
3. Shuttle(s), press(es), and/or centrifugal extractor(s) cannot be restarted merely by closing the gate(s), but must be restarted at the machine control panel once the gate(s) are closed.

Milnor® shuttles, presses and centrifugal extractors provide such functionality when properly interfaced with gate interlock switches.

2.2.5.5 System Emergency Stop Switches

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The laundry must establish rules and procedures that prohibit personnel from remaining within the fenced area with machine(s) enabled, except in accordance with published maintenance procedures. System emergency stop switches (panic buttons) should be provided inside and outside the fenced perimeter. Emergency stop switches should be located so that personnel anywhere inside the fenced perimeter are only a short distance from a switch, and they should be clearly marked as to their locations and function. Connect switches in series with the gate interlocks so that pressing an emergency stop switch performs the same control function as opening a gate.

2.2.5.6 Isolating Individual Machine Controls

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The interlock circuitry for each machine must be electrically isolated from that of the other machines. Hence, each gate interlock switch must provide as many pairs of dry contacts as there are machines to interface to. A pair of switch contacts must never be shared by two or more machines.

2.2.5.7 Recommended Signage

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Safety placards should be posted along the fence and at each gate, alerting personnel to the hazards within. At minimum, the size of lettering and distance between placards should be such that anyone contemplating entering the fenced area will likely see and read the placard first. Wording should be provided in each native language spoken by laundry personnel.

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2.3 Wiring Safety Fence Gate Interlocks on Milnor® Shuttles, Presses and Centrifugal Extractors

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This document is to be used in conjunction with Milnor® document W6SYSSG “Micro 6 Systems Schematic: Customer-Provided Safety Fence Gate Interlock”. You will find this schematic document in the circuit guide for your machine. Together, these documents describe how to connect a customer-provided gate switch or series of switches to any Milnor® shuttle, press, or centrifugal extractor. Another Milnor® document—BNSUUI01 “Proximity Safeguarding for Automatic Shuttle Conveyors”—discusses the general hazards that safety fencing addresses.

2.3.1 Precautions

BNSUUI02.C02 0000230275 A.3 C.2 D.2 1/2/20, 2:04 PM Released

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.
- Perform all work with machine power locked out/tagged out.

WARNING: Strike and Crush Hazards — A traveling machine such as a shuttle can strike, crush, or entrap you if you ride on it or enter its path. Traveling machines or their components can move automatically in any direction. Placing a system machine on line by energizing the machine control may immediately summon a shuttle or other traveling machine.

- Lock out and tag out power to the traveling machine at the main machine disconnect if you must work in the path of the traveling machine.

2.3.2 Wiring Guidelines

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As explained in BNSUUI01, a gate interlock switch must have one pole per machine to be interlocked. Each pole on the switch must be electrically isolated from any other poles on that switch. The gate interlock circuit for a given machine is a series circuit that includes one pole per switch

(per gate). This circuit is wired into, and becomes part of the machine's *three-wire circuit* (see definition below).

three-wire circuit a circuit that provides control power for all machine functions. Any of several safety devices in the three-wire circuit will open the circuit and stop machine operation if a malfunction is detected. Once open, the three-wire circuit can only be closed by manual intervention and then only if the condition that opened the circuit is rectified.

W6SYSSG depicts schematically, various circuit segments the technician may encounter, depending on the type and age of the machine. Only one depiction will match a given machine. It may be helpful to refer to the electrical schematics for your machine; however, you should be able to identify the pertinent electrical components by referring to the tags inside the electric box doors on your machine. You will use one of two wiring methods depending on which circuit segment on W6SYSSG corresponds to your machine:

1. **Jumpered terminals**—Remove the jumper and connect the two incoming conductors to the terminals (pins) where the jumpers were removed. A tag was tied to the jumper at the factory to identify this as the gate interlock switch connection point.
2. **Circuitry that must be split**—Locate convenient connection points (e.g., a pin on a switch) at which to split the circuit and connect the incoming conductors. You may need to splice wires to complete the connection.

2.3.3 Testing

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Once wiring is completed, it is vital to test the system to ensure that:

1. all gate interlocks function properly, and
2. all components that were part of the machine's three-wire circuit before the gate interlocks were added continue to function properly. The objective is to ensure that the added wiring did not inadvertently bypass existing components.

2.3.3.1 Testing Gate Interlocks

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1. Close all gates.
2. Restore power to all interlocked machines.
3. **For each gate:**
   a. Start all interlocked machines (①) and place in **Manual** mode (all machines idling in manual).
   b. Open the gate and verify that all interlocked machines shut down (as indicated by their individual operator alarms).
   c. Close the gate so the next gate can be tested.

2.3.3.2 Testing Three-wire Circuit Components on Each Interlocked Machine

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Typically, these include the components listed in Table 2, page 21.

Table 2. Typical Three-wire Circuit Components

Component	Found On		
	Shuttle	Press	Centrifugal Extractor
Stop (0) push button on control panel	✓	✓	✓
Emergency Stop switch(es) (locking push button)	✓	✓	✓
Manually lifted access door (typically two per machine)		✓	
Manually removed access panel (typically two per machine)			✓
Pull cord (certain shuttles)	✓		
Kick plate (typically two per machine)	✓		

Test each interlocked machine as follows:

1. Start the machine and place in **Manual** mode (machine idling in manual).
2. For each three-wire circuit component on the machine:
   a. Actuate the component (e.g., press the Stop button) and verify that the machine shuts down (as indicated by the operator alarm).
   b. If needed, de-actuate the component. For example, release an Emergency Stop switch or close an access door, so the next component can be tested.

3 Installation Procedures

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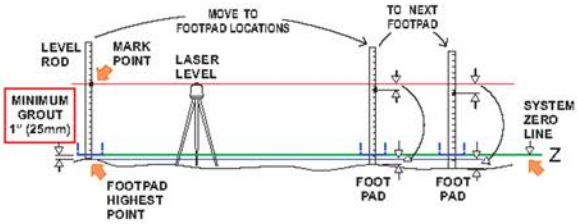
ATTENTION INSTALLERS!

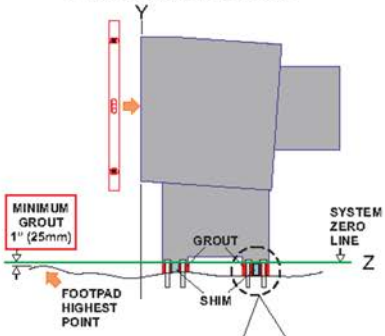
FLOOR IS UNEVEN

- 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.



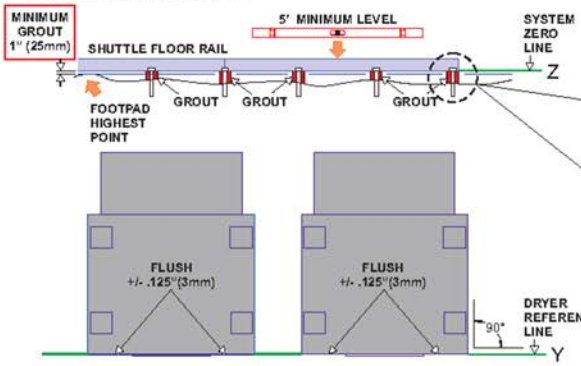
DRYER FEET MUST BE GROUTED

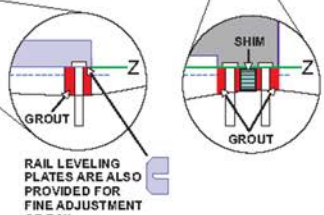
- Shim & level to System Zero Line or Z.
- Grout & anchor all brackets.



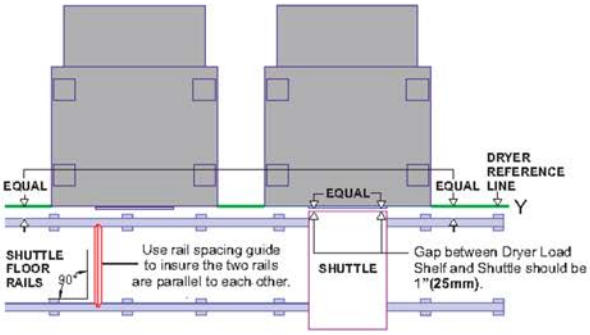
SHUTTLE RAIL BRACKETS MUST BE GROUTED TO Z

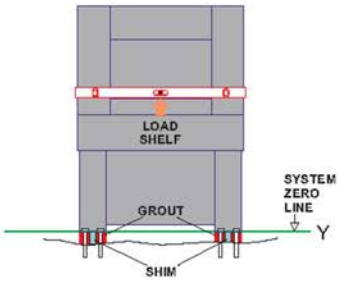
- Shim & level to System Zero Line or Z.
- Grout & anchor all brackets.





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.

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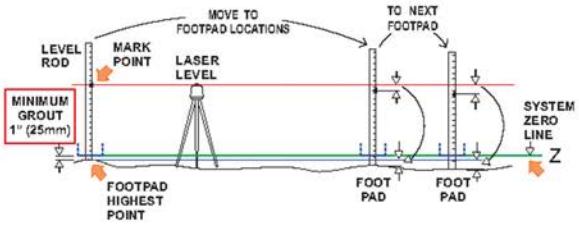
ATTENTION INSTALLERS!

PRESS MUST BE HIGH ENOUGH

If you set the press at a low area of the floor, you may not have sufficient clearance for the tunnel. It will be necessary to reinstall the press higher

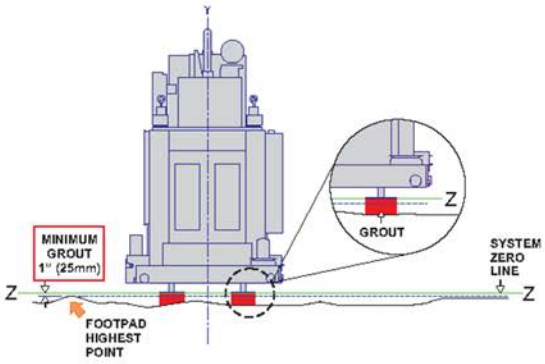
- Establish the System Zero Line or Z.
- Refer to the dimensional drawings of the various machines for required heights.

FLOOR IS UNEVEN



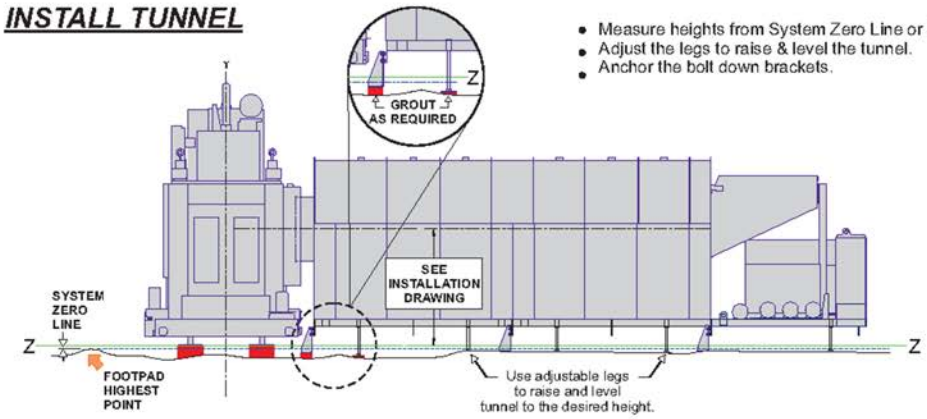
- Establish System Zero Line or Z.
- Find highest point in factory floor where footpads will be located.
- System Zero Line or Z is 1" above highest point.

INSTALL PRESS FIRST



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

INSTALL TUNNEL



- Measure heights from System Zero Line or Z.
- Adjust the legs to raise & level the tunnel.
- Anchor the bolt down brackets.

B2T2010023/2019193A

Installation of Shuttle Rail: J-rail Shuttles

COSH(A,J,K,B,X)_, CL(36,40,48)_

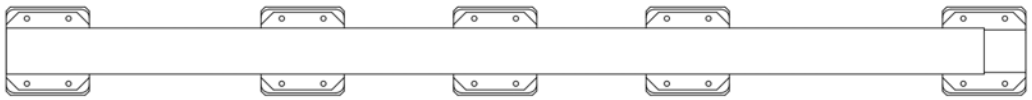
NOTE: Use this instruction with the "Attention Installers" page, B2T2007003, shipped on your machine and included in this manual. See also installations drawings for your facility and the dimensional drawings for the models involved.

CAUTION: Make sure there is no gap between floor rails and floor rail support brackets.

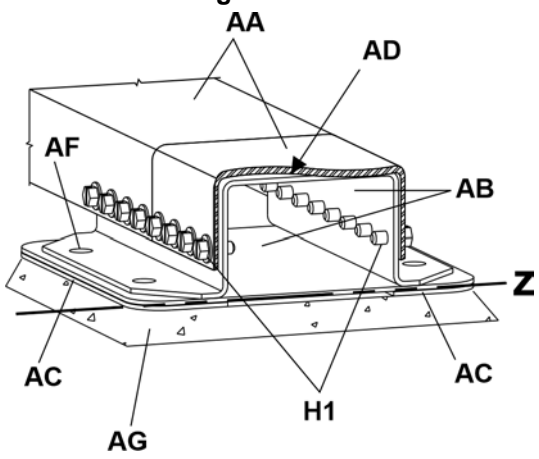
The Floor is Not Level. Shim and level the lower drive rail to the System Zero Line or Z. The floor rail must be level, square, and perfectly parallel to the Dryer faces along the entire length of rail. Locate each rail support bracket and level the finished floor with a minimum of 1"(mm) grout, under and around all floor rail support brackets. Use the rail leveling plates (shims) to fill the gap. Level and anchor the rail. Level, grout, and anchor the freestanding supports, (COFRL).

Figure 3. Floor Components

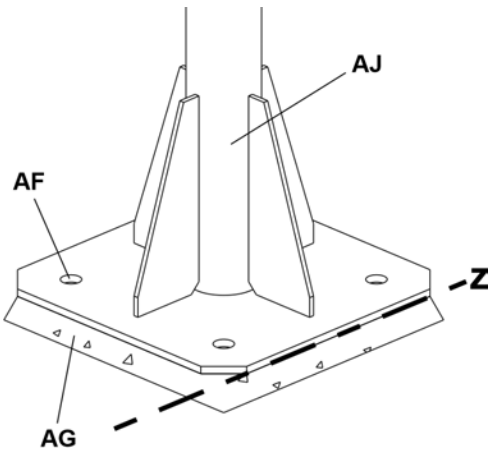
Plan View of one length of Lower Drive Rail



Mounting Plates and Rail



Freestanding Rail Support



Legend

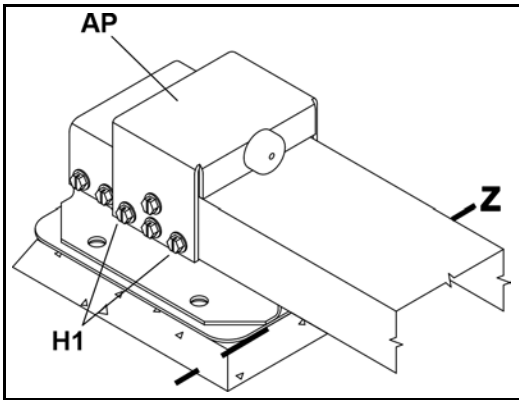
AA . . Floor drive rail
AB . . Rail support
AC . . Rail leveling plates
AD . . No gap. See Caution
AG . . Grout.
AF . . Anchor bolt holes
AJ . . COFRL Freestanding Rail Supports
H1 . . Tap bolts 3/8"-16x3/4"
Z . . . System Zero Line or "Z". Shim to level, and grout to System Zero Line or "Z", all brackets and floor mounts.

Installation of Shuttle Rail: J-rail Shuttles

9 Sheet

COSH(A,J,K,B,X)_, CL(36,40,48)_

Figure 4. Positive Stop



Legend

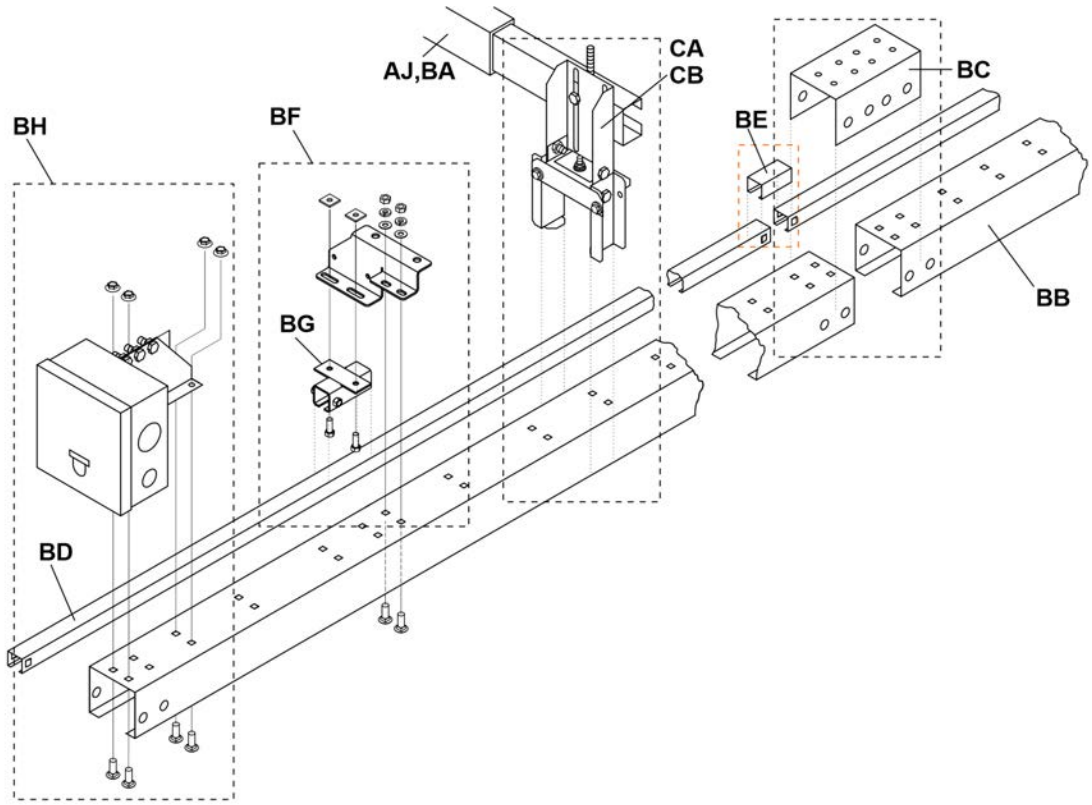
AP.. Positive Stop
H1.. Tap bolts 3/8”-16x3/4”, 8 instances

Installation of Shuttle Rail: J-rail Shuttles

9 Sheet

COSH(A,J,K,B,X)_, CL(36,40,48)_

Figure 5. Upper Rail and Festoon Rail Components



Legend

AJ . . Freestanding rail support
BA . . Dryer mounted rail support
BB . . Upper guide rail
BC . . Upper rail connector
BD . . Festoon rail
BE . . Track joint clamp
BF . . Festoon rail hanger assembly
BG . . Track hanger clamp
BH . . Rail end electric box
CA . . Upper rail hanger
CB . . Ceiling mounted rail support

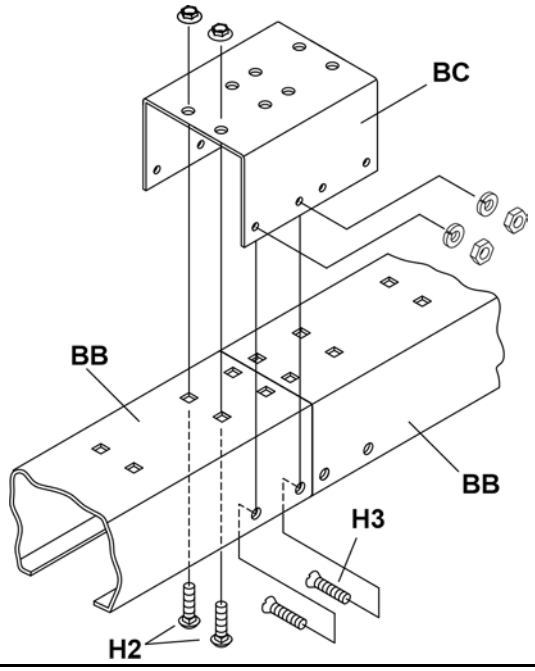
Installation of Shuttle Rail: J-rail Shuttles

9 Sheet

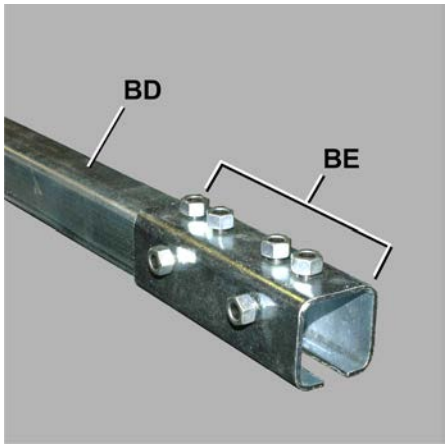
COSH(A,J,K,B,X)_, CL(36,40,48)_

Figure 6. Upper Rail Connections

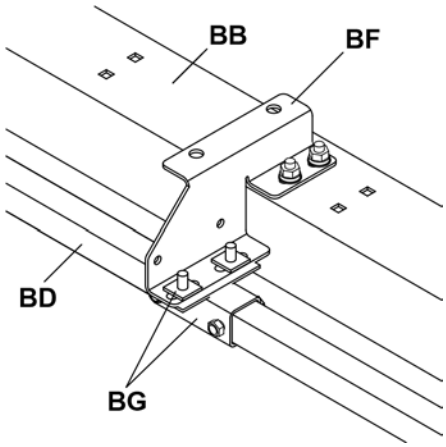
Upper Rail Connections



Festoon Rail and Connector



Festoon Rail Hanger



Legend

AJ . . Freestanding rail support
BA . . Dryer mounted rail support
BB . . Upper rail
BC . . Upper rail connection
BD . . Festoon rail
BE . . Track joint clamp
BF . . Festoon rail hanger assembly
BG . . Track hanger clamp
BH . . Rail end electric box
CA . . Upper rail hanger
CB . . Ceiling mounted rail support
H2 . . Carriage bolts and hardware, 3/8”-16x1.25, 4 instances
H3 . . Flat machine screws and hardware, 1/4”-20x5/8”, 8 instances

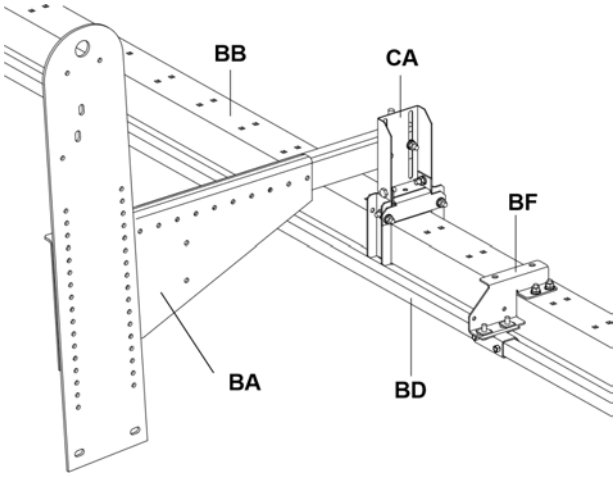
Installation of Shuttle Rail: J-rail Shuttles

9 Sheet

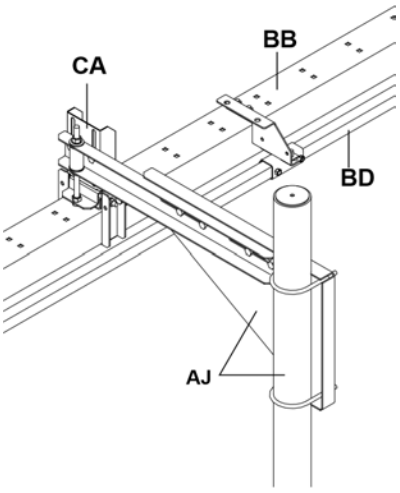
COSH(A,J,K,B,X)_, CL(36,40,48)_

Figure 7. Upper Rail Supports

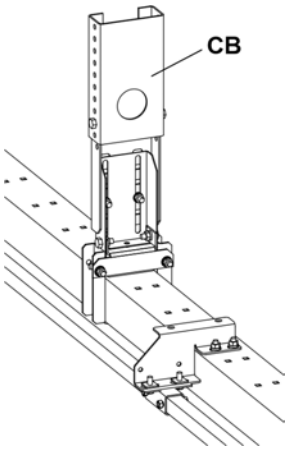
Dryer Mounted Rail Supports



Freestanding Support COFRL



Ceiling Mounted Rail Supports



Legend

AJ . . Freestanding rail support
BA . . Dryer mounted rail support
BB . . Upper rail
BD . . Festoon rail
BF . . Festoon rail hanger assembly
CA . . Upper rail hanger
CB . . Ceiling mounted rail support, see Note.

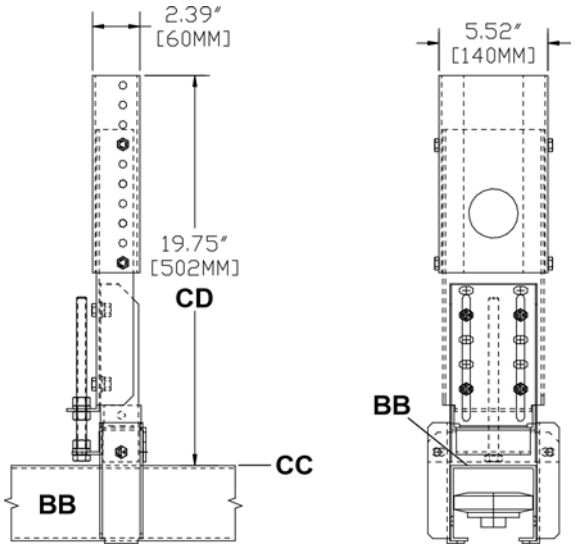
Installation of Shuttle Rail: J-rail Shuttles

9 Sheet

COSH(A,J,K,B,X)_, CL(36,40,48)_

Figure 8. Ceiling Mounted Rail Support: Dimensions Required for Planning

NOTE: Ceiling mounted rail supports may be used to support rail from the ceiling. Field innovation is required, including verification by competent others that the ceiling is adequate to support and steady the load. This is not the responsibility of Pellerin Milnor Corporation.



Legend

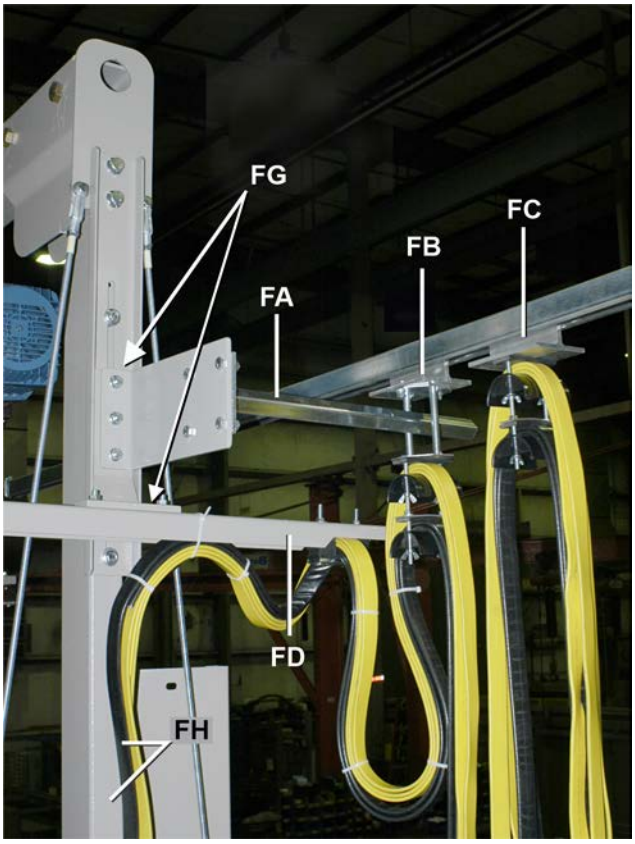
BB . . Upper rail
CC . . Top of rail
CD . . Minimum

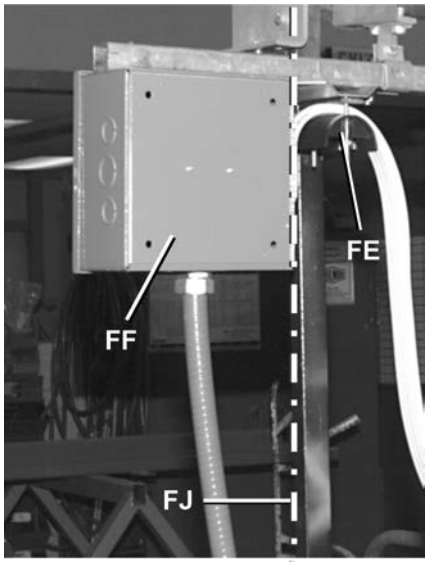
Installation of Shuttle Rail: J-rail Shuttles

9 Sheet

COSH(A,J,K,B,X)_, CL(36,40,48)_

Figure 9. Festoon Tow Bar and Festoon Pulling Bracket





Legend

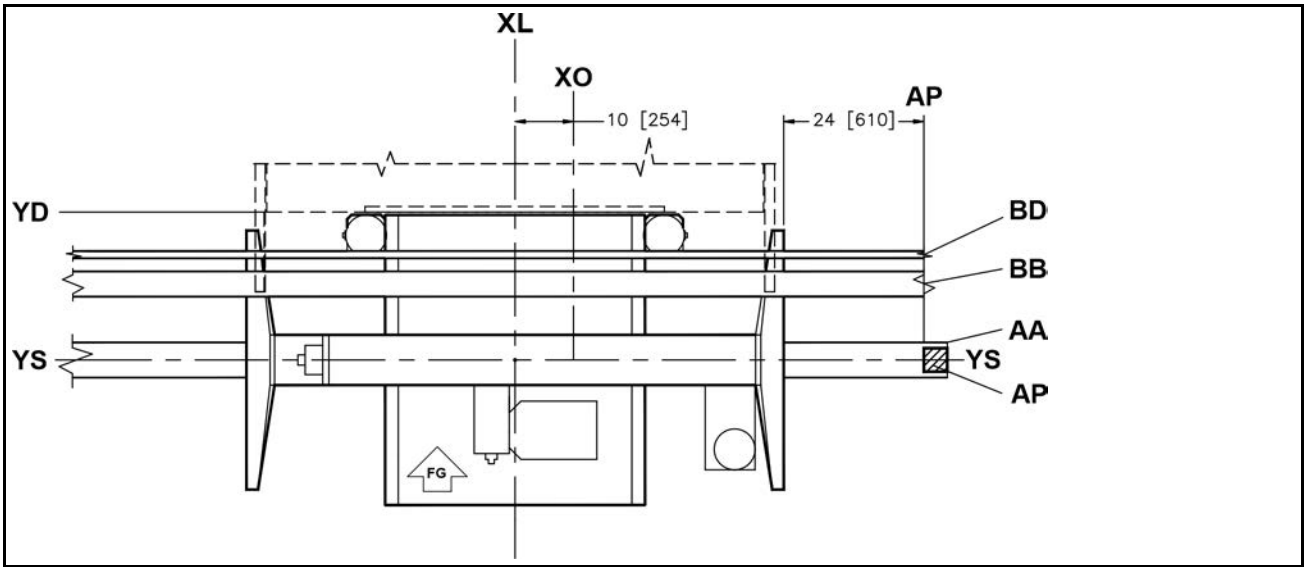
FA . . Festoon tow bar
FB . . Festoon tow car
FC . . Festoon car
FD . . Festoon pulling bar
FE . . Fixed festoon car
FF . . Fixed end junction box
FG . . Attach the festoon tow bar and festoon pulling bar to the Shuttle frame. (Mounting to the Shuttle frame varies per model. COSHM model shown.)
FH . . Strap the festooning to the Shuttle frame.
FJ . . This end of festoon rail should be supported to the floor with mechanical tubing or similar. Field innovation is required.

Installation of Shuttle Rail: J-rail Shuttles

9 Sheet

COSH(A,J,K,B,X)_, CL(36,40,48)_

Figure 10. Plan View Shuttle at Last Stop, OOPS, and Positive Stop



Legend

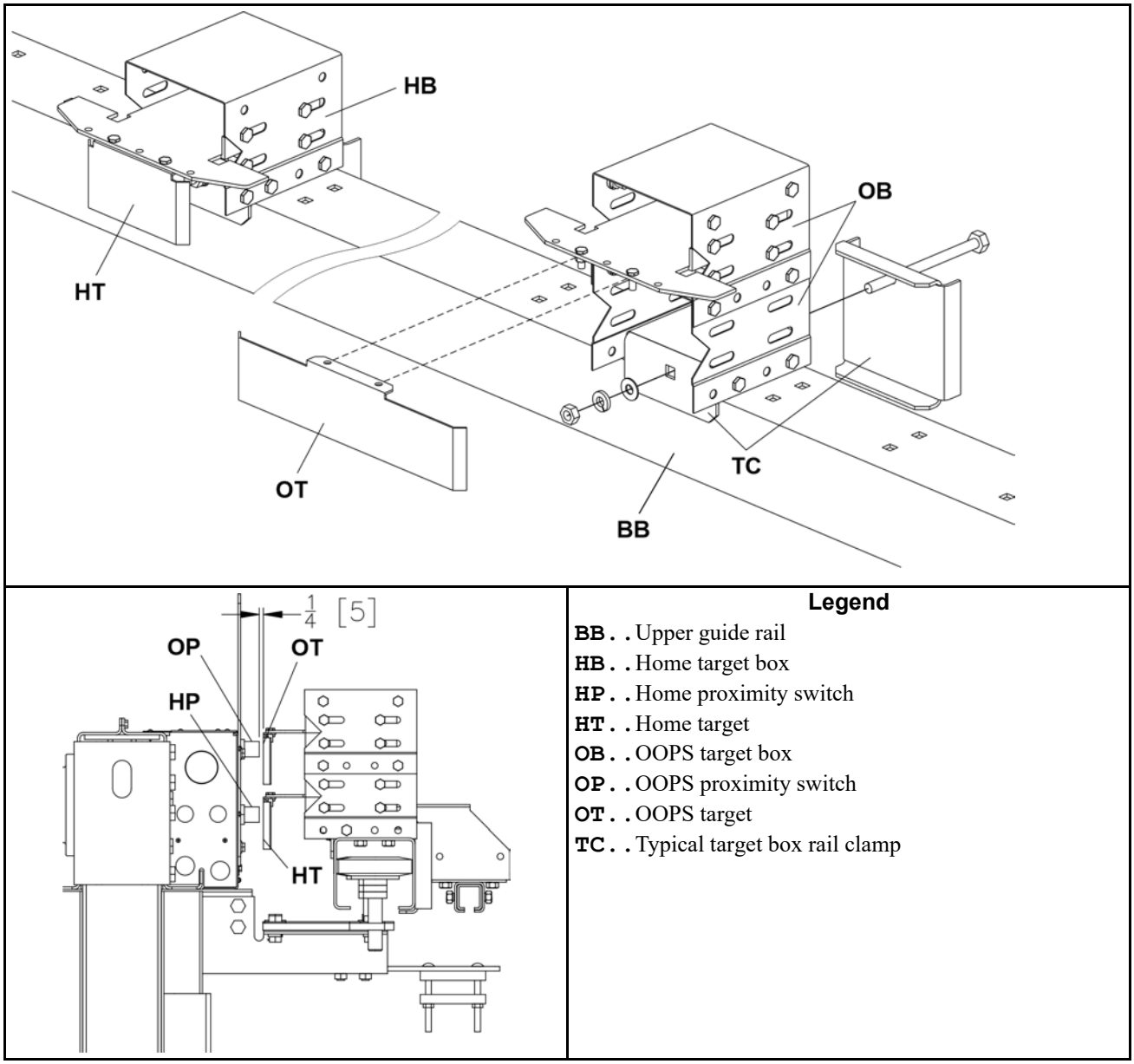
AA.. Floor drive rail
AP.. Location of positive stop when Shuttle is at last discharge
BB.. Upper guide rail
BD.. Festoon rail
FG.. Flow of Goods
XL.. Center line of Shuttle at last discharge
XO.. Center line of Shuttle at OOPS target
YD.. Reference line “Y” of the Dryer
YS.. Reference line “Y” of the Shuttle

Installation of Shuttle Rail: J-rail Shuttles

9 Sheet

COSH(A,J,K,B,X)_, CL(36,40,48)_

Figure 11. Proximity Switches and Targets



Legend

BB.. Upper guide rail
HB.. Home target box
HP.. Home proximity switch
HT.. Home target
OB.. OOPS target box
OP.. OOPS proximity switch
OT.. OOPS target
TC.. Typical target box rail clamp

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3.1 Service Connections and Adjustments

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The service connections required for shuttles are as follows: 1) electric power, 2) control signals, and 3) serial link. The power, control signals, and serial link are routed to the shuttle via festoon cables supplied separately by the Milnor® factory. The fixed end of the festoon cable terminates in a junction box supplied by the Milnor® factory. This junction box may be mounted to the support rail. Power and control connections must be made at both festoon ends. See dimensional drawings for information on locating and hanging the festoon cable. See BISCUI01 “On-Site Control Connections for Shuttles. . .” in the electrical schematic manual.

NOTE: Shuttles intended for manual operation do not have serial link connections.

3.1.1 Electric Power Connections

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The customer must furnish a remotely mounted disconnect switch with lag-type fuses and wiring between this box and the motor contactor box on the machine. The sizes of these fuses and wires, along with the motor fuses supplied with your machinery, depend on the machine voltage. For your machine specifications, see the following documents:

Table 3. Electric Connections

Specification	Document	Document Location
Machine voltage	Machine nameplate	Affixed to machine frame
External fuse and wire sizes	External fuse and wire document for your machine	Request from Service Department
Motor fuses	Motor fuse name plate	Affixed to door of motor contactor box.
Phasing motors	“Electric Power Connections” tag	Inside motor contactor box

3.1.2 Electric Control Connections

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Unlike stand-alone machines, all CBW® system components require power and control cabling between the machine and their external, remotely located controllers. Refer to BICSUI01 “On-Site Control Connections for Shuttle. . .” in the electrical schematic manual.

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3.2 Installation of the Laser Positioner for Traversing Shuttles

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

Milnor® traversing shuttles manufactured after December 2010 are provided with a laser system to control shuttle travel along the rail (traverse) and the positions at which the shuttle stops. An older shuttle can be retrofitted with this system if it meets the following criteria:

- The system has, or is upgraded to Dryer/Shuttle controller (Drynet™) software version 21010 or later and shuttle software with a matching date code.
- The shuttle has, or is upgraded to the microprocessor board with part number 08BSPE2T (2004 to current). The 08BSPE1T (circa 2000) and 08BSPET (circa 1994) will not work.
- The shuttle manual controls are housed in a stationary cabinet, not a shuttle-mounted box.

The laser positioner replaces the switches, targets, and mounting hardware previously used for this purpose. The laser positioner system uses the Banner L-Gage LT7 Laser.

3.2.1 Hardware Installation

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WARNING: Strike and Crush Hazards — A traveling machine such as a shuttle can strike, crush, or entrap you if you ride on it or enter its path. Traveling machines or their components can move automatically in any direction. Placing a system machine on line by energizing the machine control may immediately summon a shuttle or other traveling machine.

- ▶ Except where specified in this instruction, remove power from the machine to work in or near the shuttle path.

The laser beam must be parallel with the axis of shuttle travel. Typically the laser and target are mounted approximately 7 feet (1.8 meters) above the floor and and horizontally centered on the shuttle frame, but this can be modified to suit the individual circumstances. The beam must be unobstructed at all times. Locate the hardware with respect to the shuttle as follows:

Stationary laser support post in proximity to the stationary shuttle control cabinet.
Reflector on the shuttle frame. Detailed mounting instructions follow.

Install the hardware as shown in the figures below. It is necessary to install the laser on the support post but not anchor the post until the laser is aligned with the target.

CAUTION: Risk of Costly Damage — Until the laser support post is anchored, it can fall if it or the cable is hit by an object such as a fork lift. This will likely destroy the laser.

- Use care to keep clear of the post except to intentionally reposition it during alignment.
- Route the cable away from any interference and secure it.

Figure 12. Laser to Post

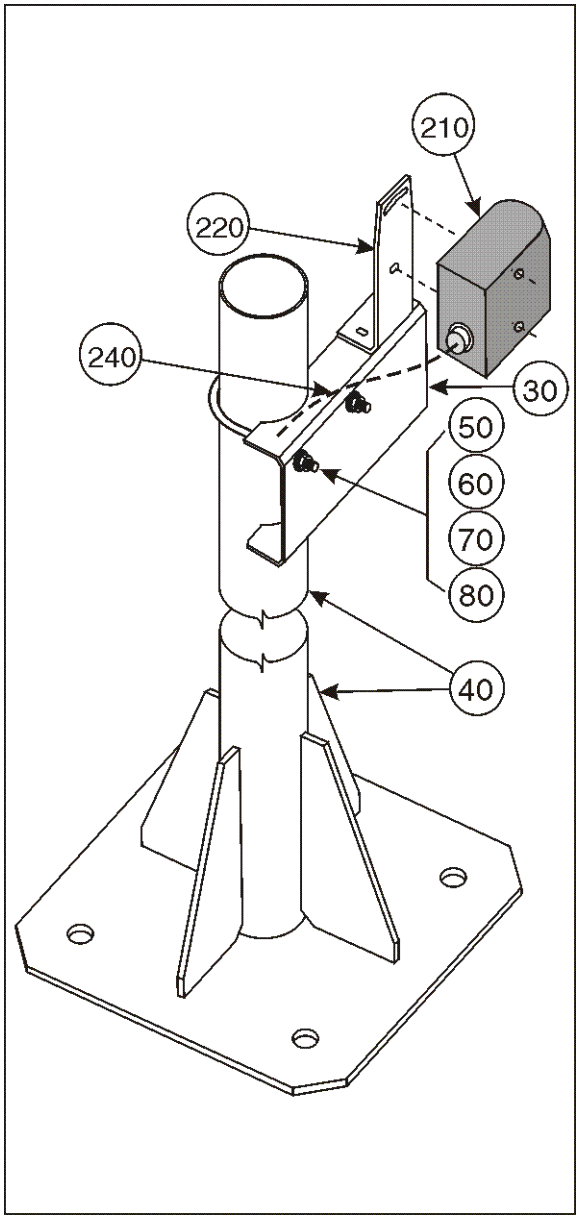

Figure 13. Reflector to Shuttle (Tube or J-rail frame)

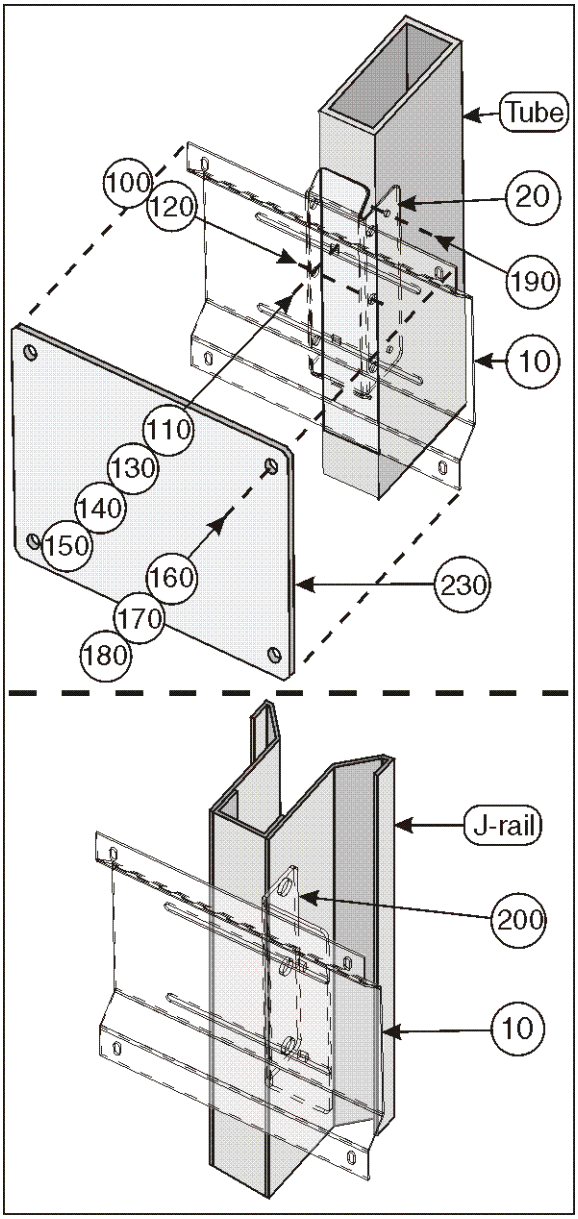

Table 4. Parts List for Laser to Post and Reflector to Shuttle Assemblies

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**
Assemblies				
all	A	ALC420223	All mounting hardware except laser manufacturer components.	
Components				
A	10	04 24176	LASER TARGET FRAME	
A	20	04 24177	LASER TARGET TUBE RAIL MTG	Use with tubing type vertical frame member.
A	30	04 24146	LASER MTG CHANNEL	
A	40	W4 24180	LASER MOUNTING POST WLMT	
A	50	27A035C	U-BOLT 3/8-16X5.36 #0127316	
A	60	15U246	FLATWASHER 1"ODX25/64IDX1/8"30	
A	70	15U255	LOCKWASHER MEDIUM 3/8 ZINCPL	
A	80	15G205	HXNUT 3/8-16UNC2B ZINC GR2	
A	100	15A002A	CARBOLT 1/4-20UNC2X3/4 ZINC GR	
A	110	15K046	HXCAPSCR 1/4-20 UNC2A X 2"GR5	
A	120	17N058	HEXRIVNUT 1/4-20 UNC-2B #2520-	
A	130	15U185	FLATWASHER(USS STD) 1/4" ZNC P	
A	140	15U180	LOCKWASHER MEDIUM 1/4 ZINCPL	
A	150	15G178	1/4"-20 HEXFLANGE NUT ZINC	
A	160	15N125	RDMACSCR 10-24UNC2AX1/2 ZC GR2	
A	170	15U135	FLATWASH#10 .4370DX.203IDX.04T	
A	180	15G126SZ	HXLOCKNUT 10-24 UNC STL/ZNC	
A	190	15P011	TRDCUT-F PANHD 10-24X1/2 NIKST	
A	200	04 24178	LASER TARGET J-RAIL MTG	Use with J-rail vertical frame member.
all	210	09RLE0001	Banner L-Gage LT7 Laser and mounting bracket	
all	220	09RLE0001B	Mounting Bracket and included fasteners	
all	230	09RLE0001R	50 meter Retro Reflector	
all	240	09RLE0001C	Multi-conductor cable and connector—30 foot (7.6 meters) length	
	Tube	–	A type of frame used on certain shuttles	
	J-rail	–	A type of frame used on certain shuttles	

3.2.2 Electrical Connections

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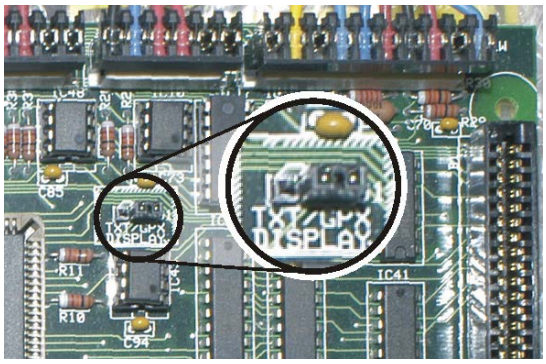
The electrical cable provided with this system has a pre-wired connector on one end that attaches to the laser. Shuttles manufactured after February 2011 have the control box end of the cable pre-wired also. The cable is secured to the control box. If the shuttle was not provided with the cable

pre-wired, make connections as explained below. **Do not connect the cable to the laser until the wiring in the electric cabinet is completed.**

1. Determine the best route for the cable. Ensure that:
   - objects cannot strike the cable,
   - there is sufficient slack on each end to reach the connection points.
2. Route the cable and secure the center portion to protect against accidental movement. If not pre-wired, route the cable into the shuttle processor box through the hole in the box shown in Figure 14: Hole in Shuttle Processor Box for Cable, page 38 .
3. Set jumper J1 on the shuttle processor board to the GPX position as shown in Figure 15: Jumper Position, page 38 .

Figure 14. Hole in Shuttle Processor Box for Cable

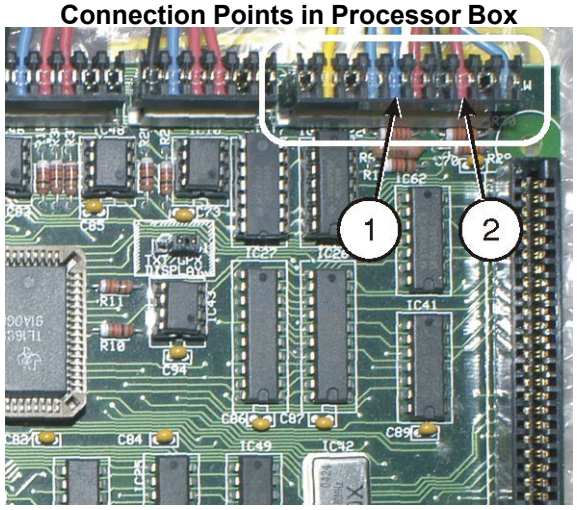
Figure 15. Jumper Position



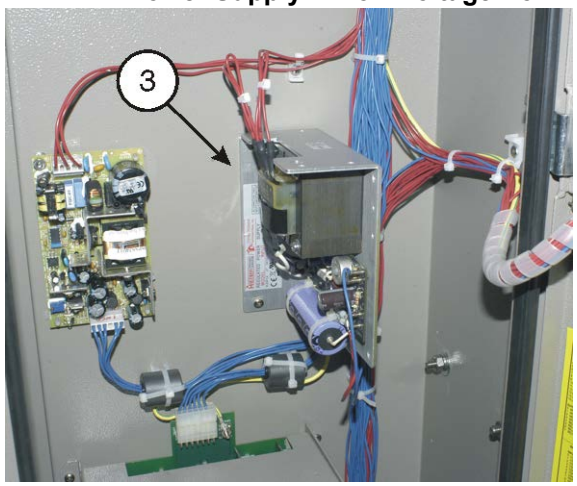
Only four of the conductors (the green, white, red, and blue wires) and the cable shield are used for this application. If the cable must be field-wired, make electrical connections as shown in Figure 16: Connections—Previously Installed Shuttle, page 39 .

Figure 16. Connections—Previously Installed Shuttle

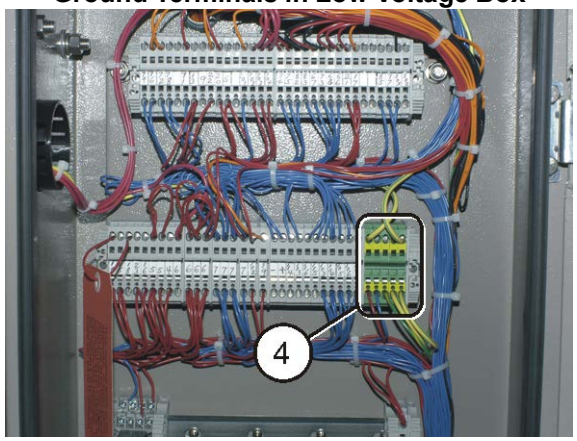
Connection Points in Processor Box



24 VDC Power Supply in Low Voltage Box



Ground Terminals in Low Voltage Box



Legend

1 . . . MTA30, pin 5—connection point for White wire (TX+)

2 . . . MTA30, pin 8—connection point for Gray/Pink wire (TX-)

3 . . . 24VDC power supply—The 24VDC side is wire #102. Trace this wire to an available terminal and connect the red wire (Vcc) at this location.

4 . . . Ground terminals—connect blue wire (Gnd) and cable shield to any available ground terminal.

3.2.3 Configure, Align, and Program

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These instructions apply specifically to Banner L-Gage LT7 laser device. You received a manual with this device. **Review the safety information in this manual.** The manual provides more information than necessary to implement the laser positioner system for the shuttle. The following sections give the pertinent instructions. You can find detailed information in the Banner manual.

Display or Action	Explanation
	Energize the shuttle (at the MultiTrac or Drynet™ console). This will also apply power to the laser.
	Set the shuttle to the Manual mode (at the stationary shuttle control panel). This will take the shuttle off line.

Perform the procedures in this section with shuttle power on, but with the machine off line. **Use extreme care when you work in or near the shuttle path.**

3.2.3.1 Laser Configuration

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Required configuration settings:

Serial interface: RS422

Baud rate: 19,200

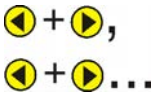
Data Bits: 8

Stop Bits: 1

Data method: REPEAT

At the laser device:

Display or Action	Explanation
DIST MM >250000	This or a similar display indicates the laser run mode. The laser displays distance in hundredths of units.
	Accesses the laser program mode. This also activates the visible pilot laser used for alignment.
QuickSet <ENTER>	This is the first sub-menu in the Program menu.
	Scrolls the sub-menus. Select "UNIT".
UNIT <mm>	This display indicates the laser is configured for millimeter units. You can choose millimeters or inches (<inch>). If you want to change units:
	Accesses the **UNIT** field.
UNIT >mm	You can now select inch units.
	Toggles between **mm** and **inch** each time the key is pressed.
	Locks in the selected value.
UNIT <inch>	Indicates that the laser is configured for inch units. When the laser is properly aligned, the Run display will show the distance between the laser and target in hundredths of **inches**.
	Scrolls the sub-menus. Select the "SERIAL" sub-menu.
SERIAL <RS422>	This is the display you should see and indicates that the currently configured interface type is RS422. If you see any other value on the bottom line, access this field as follows.
	Accesses the field to select the type of interface.
SERIAL >RS422	You can now select another type of interface.
	Scrolls the interface types, which are: RS422, SSI 1/8, SSI1/10, and EXT. BUS. Select RS422.

	Locks in the selected value.
SERIAL <RS422>	Indicates that the laser is configured for an RS422 interface.
	Advances to the RS422 sub-menu.
RS422 <ENTER>	Because the RS422 selection has it's own sub-menu, this display appears. This sub-menu has four data fields: baud rate, data bits, stop bit, and data method.
	Advances to the first field in the RS422 sub-menu: baud rate.
RS422 <19k2Bd>	19k2Bd is the correct value. If a different value appears on the bottom line, access this field and correct the value in the same manner as above. Otherwise, proceed to the Data Bits field.
	Advances to the next field in the RS422 sub-menu: data bits.
RS422 <8DATAb>	8DATAb is the correct value. If <7DATAb> appears on the bottom line, access this field and correct the value. Otherwise, proceed to the Stop Bits field.
	Advances to the next field: stop bits.
RS422 <1STOPb>	1STOPb is the correct value. If <2STOPb> appears on the bottom line, access this field and correct the value. Otherwise, proceed to the data method field.
	Advances to the next field: data method.
RS422 <REPEAT>	REPEAT is the correct value. If <SINGLE> appears on the bottom line, access this field and correct the value. Otherwise, return to the Run mode.
	Returns to each higher-level menu, then the Run mode.

3.2.3.2 Laser and Reflector Alignment

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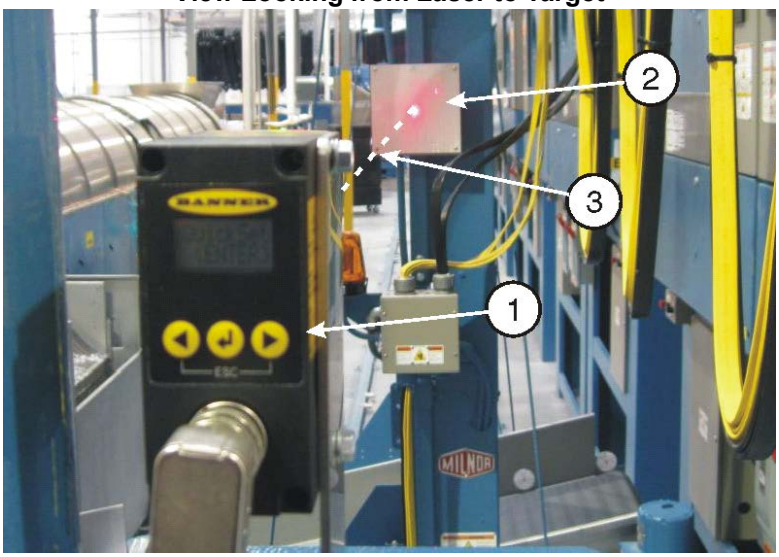
1. At the laser device, access the program mode as previously explained. This activates the visible pilot laser used for alignment.
2. Adjust the orientation of the laser on its mounting brackets to place the beam at the center of the target.
3. Operate the shuttle in manual mode to move it along the shuttle path. Find manual operation instructions for the shuttle in the Drynet™ Dryer/Shuttle operator guide. As the shuttle traverses, observe the position of the beam on the target.
4. Move the laser post, and adjust the orientation of the laser and target to achieve the alignment described in Figure 17: Laser and Reflector Alignment, page 42 .
5. When alignment is achieved, anchor the laser post to the floor.
6. When the laser post is securely anchored, check the alignment again and make final adjustments.

7. Tighten the laser and target bracketry.

Figure 17. Laser and Reflector Alignment

View Looking from Laser to Target	Legend
	**1 . . .** Laser device **2 . . .** Target **3 . . .** Laser beam. Align the laser device and the target so that the laser beam is parallel to the path of the shuttle and the beam remains centered in the target as the shuttle traverses. The reflector must be perpendicular to the laser beam and reflect the beam back to the laser. Otherwise, the laser will not register changes in distance in the run mode.

3.2.3.3 Drynet™ Configuration and Programming of Shuttle Stop Positions

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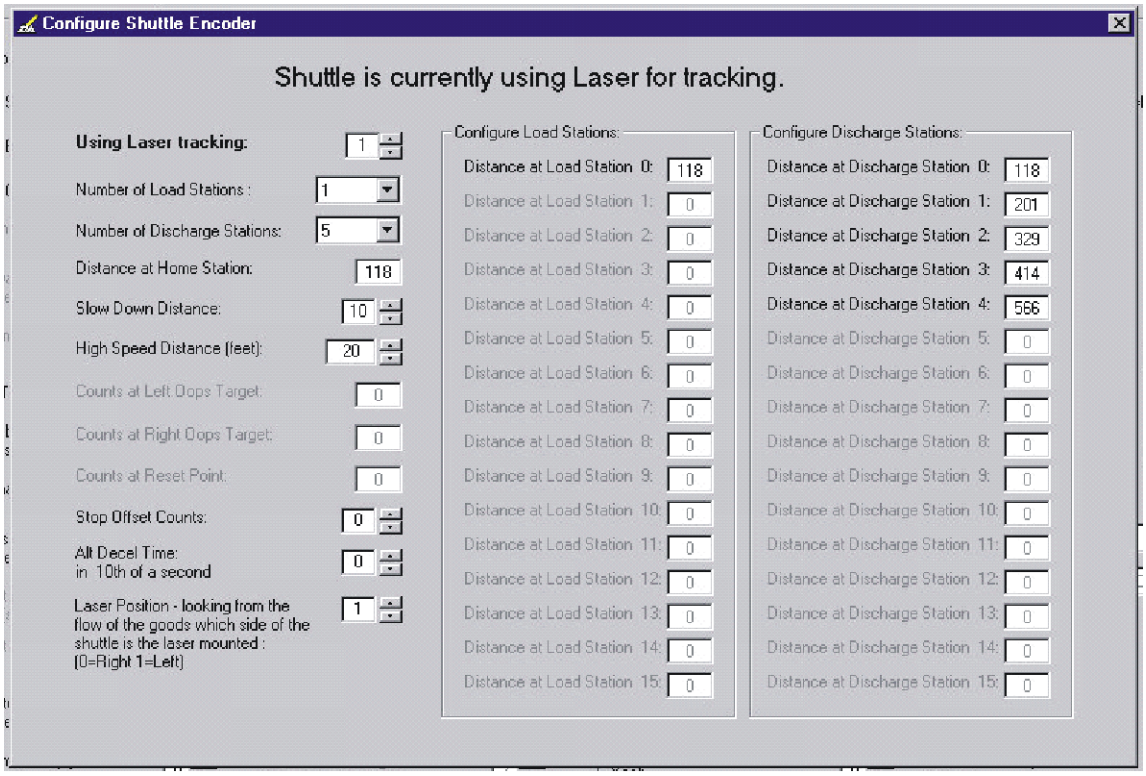
The Drynet™ Dryer/Shuttle controller requires configure data to use the laser positioner. For example, it must know the distance between the laser and the target, as detected by the laser device, for each position at which the shuttle stops. Determine these values at the laser device. Enter this data at the Drynet™ or MultiTrac console, in the **Configure Shuttle Encoder** form (Figure 18, page 43).

Figure 18. Configure Shuttle Encoder Form Configured for a Laser Device



1. At the MultiTrac or Drynet™ console, access the shuttle Encoder form:
   a. In the Dryer/Shuttle Controller (DevComm Setup) window, select **Configure**, **Shuttles and Cobucs** on the menu. This displays one or more tabbed forms—one for each shuttle device in the system.
   b. Select the tab corresponding to the shuttle with the new laser device. This displays the main configuration form for this shuttle.
   c. Near the bottom right of the form, find the field **Shuttle has an Encoder**. Select (or re-select) the value 1. This displays the **Configure Shuttle Encode**r form (Figure 18: **Configure Shuttle Encoder** Form Configured for a Laser Device, page 43).
2. Enter values in the fields on the left column of the encoder form in accordance with Table 5: Guidelines for Encoder Values for Laser Device, page 44 .
3. Do this procedure for each position at which the shuttle stops:
   a. At the stationary shuttle control box, manually move the shuttle to the stop position. Ensure that the shuttle is precisely aligned with the interfacing device.
   b. At the laser device, read the distance value in hundredths of units (inches or millimeters as previously configured). Hence, read the displayed value 26147 as 261 inches or millimeters.
   c. At the Drynet™ controller, enter this value (whole inches or millimeters) in the appropriate field:

- Distance at Home Station
- Distance at Load Station ___
- Distance at Discharge Station ___

Table 5. Guidelines for Encoder Values for Laser Device

Data Field	Required Value or Guideline
Using laser tracking	1
Number of Load Stations	Per physical layout
Number of Discharge Stations	Per physical layout
Distance at Home Station	See Item 3 below.
Slow Down Distance	Between 6 and 10 inches (152 and 254 mm) recommended
High Speed Distance (feet)	Not currently implemented
Counts at Left Oops Target	Disabled and not applicable to laser device.
Counts at Right Oops Target	
Counts at Reset Point	
Stop Offset Counts	0
At Decel Time: in 10ths of a second	0
Laser Position	Face the direction that goods move as they are loaded onto the shuttle bed. If the post-mounted laser is located to the right of the shuttle, enter 0. If to the left of the shuttle, enter 1.

3.2.4 Testing

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When you have entered all shuttle stop positions in the Drynet™ controller, test each position as explained in Section 3.3 : How to Test Traversing Shuttle Stop Positions, page 44.

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3.3 How to Test Traversing Shuttle Stop Positions

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This instruction is for technicians responsible for setup and adjustment of traversing shuttles. This procedure requires the technician to work within the shuttle travel area while operating the shuttle in manual and automatic mode. The shuttle travel area is normally guarded and off limits to personnel while the shuttle has power. This instruction assumes specially qualified and authorized personnel who fully understand the hazards. Use extreme care when you enter the shuttle travel area.

WARNING: Strike and Crush Hazards — A traveling machine such as a shuttle can strike, crush, or entrap you if you ride on it or enter its path. Traveling machines or their components can move automatically in any direction. Placing a system machine on line by energizing the machine control may immediately summon a shuttle or other traveling machine.

- Do not attempt this procedure unless qualified and authorized.
- Ensure that bystanders do not enter the shuttle travel area.

Every shuttle installation is unique with regard to the positions at which the shuttle stops to receive and discharge goods. Each stop position must align with the device it receives from (typically a press) or discharges to (typically a dryer). After you configure the laundering system in the Miltrac™, or other system controller and you initially define each stop position, use this procedure to test and adjust each stop position.

3.3.1 How Shuttle Stop Positions are Controlled

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To initially define each stop position, you manually move the shuttle to that position, visually align it with the transferring device, then set the target. Shuttles manufactured prior to December 2010 use physical targets along the rail or shuttle path. Newer shuttles and some older, retrofitted shuttles, use a laser device that measures the distance between the stationary laser and a single target located on the moving shuttle. In the newer type, you read a distance value displayed on the laser and enter this value for that stop position in the Drynet™ software. The procedure described in this document applies to both the older and the newer technologies.

3.3.2 Prepare the Laundering System

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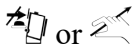
This procedure involves:

- the shuttle to be tested,
- any device(s) that load(s) the shuttle, such as a:
  - press (cake shuttle)
  - washer-extractor (loose goods shuttle)
  - storage belt (cake or loose goods)
  - tunnel (wet goods shuttle)
- any device that receives goods from the shuttle, such as a:
  - dryer (cake or loose goods conveyor)
  - no-dry station
  - storage belt

For safety and to maintain the necessary control of the devices involved in the test, set the devices per Table 6, page 46.

Table 6. Initial Device Settings

Device	Initial Setting		Comments
	Symbol	Description	
Shuttle to be tested	1	Start	Manual operation enabled
		Manual mode	
Any other shuttles that share this path	m	Master switch off	Shut down. Ensure no movement.
Device(s) the shuttle receives goods from	m		Shut down. Not needed except to test this stop position.
Device(s) the shuttle discharges to	1	Start	Not allowed to receive goods from the shuttle.
	 or	Load Not Allowed or Manual mode	

3.3.3 Test the Home Position and Aligned Stop Positions

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Every shuttle installation has a home position. This is true regardless of how the shuttle is configured to act after it discharges goods (**Always return home**, **Homeless—return home when empty**, or **Homeless**). If there is only one position that loads the shuttle, this always coincides with the home position. The home position may also coincide with a position that receives from the shuttle. Whenever the machine (the shuttle) is stopped (⓪) in Automatic mode () and you start it (①), the shuttle returns home as part of the initialization procedure. To test the home position and any stop positions that coincide with it:

1. Move the shuttle manually () away from the home position, if it is at home.
2. Set the shuttle to the automatic mode ().
3. Stop, then start the machine (⓪, ①). The shuttle will seek the home position.
4. When the shuttle stops at the home position, set the shuttle to the manual mode ().
5. Check shuttle alignment and adjust as required.
6. Repeat these steps as necessary.

3.3.4 Test Stop Positions Where the Shuttle Discharges Goods

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Choose a position (a device that receives goods from the shuttle) to test. The shuttle will go to this position if:

- this is the only available position to receive goods and
- the shuttle is encoded with batch codes that this position can accept.

With the shuttle at the home position, cause the shuttle to go to the test position as follows:

1. Set the device at the test position so it can receive a load (and). All other devices that can receive from the shuttle must be set so they cannot receive a load (or).
2. Set the shuttle to the automatic mode ( ), then stop the machine ( ).
3. Place a rag or similar object large enough to block the photo eye in the center of the top bed of the shuttle.
4. Start the machine ( ). The shuttle bed will run until the photo eye is blocked. The **Cake Data** prompt will appear on the Drynet™ display or the 2 x 20 display.
5. Enter cake data for a dry code that the device at the test position can receive. Typically, a dryer can receive all but the no-dry code and a no-dry station can only receive the no-dry code. The shuttle will move toward the test position.
6. As soon as the shuttle stops at the test position and before a transfer can occur, stop the machine ( ).
7. Remove the object from the shuttle bed.
8. Set the shuttle to the manual mode ( ) and start the machine ( ).
9. Check shuttle alignment and adjust as necessary.
10. Set the shuttle to automatic mode ( ). The shuttle will return to the home position.
11. Repeat as necessary.

3.3.5 Test a non-Home Position Where the Shuttle Receives Goods

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If an installation has two loading positions for the shuttle, at least one of these will not coincide with the home position. In such a case, the shuttle will likely be loaded by a storage device such as an elevating shuttle. To cause the traversing shuttle to move to the non-home loading position:

1. Set the traversing shuttle to the automatic mode ( ).
2. Place a rag or similar object in the center of the top belt of the device at the test position (the non-home device that loads the traversing shuttle).
3. Energize and start this device (,). The storage device bed will run until the photo eye is blocked. The **Cake Data** prompt will appear on the display for this device.
4. Enter cake data. This will summon the traversing shuttle.
5. As soon as the traversing shuttle stops at the test position and before a transfer can occur, stop the loading device ( ).
6. Remove the object from the loading device bed.
7. Set the traversing shuttle to the manual mode ( ) and start the machine ( ).
8. Check shuttle alignment and adjust as necessary.

9. Set both the loading device and the traversing shuttle to automatic mode (). The traversing shuttle will return to the home position.
10. De-energize the loading device ().
11. Repeat as necessary.

4 Dimensional Drawings

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WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5808QTG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5808STG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5804QTG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5004QTS1		USE THIS SIDE RAIL EXTENDER		RESULTING COSHA DIMENSIONS						DIMENSION "D" 5808XX/6450 DRYER LOAD HEIGHT		DIMENSION "D" 6458/6464 DRYER LOAD HEIGHT		DIMENSION "D" 7272 DRYER LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"		DIMENSION "C"					
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	-10 1/2	-267	–	–	–	–	0	0	0	0	7	178	116 1/2	2959	122 1/2	3112	56	1422	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	120	3048	126	3200	59 1/2	1511	60 1/2	1537	61	1549	61	1549
–	–	-3 1/2	-89	–	–	–	–	7	178	7	178	14	356	123 1/2	3137	129 1/2	3289	63	1600	64	1626	64 1/2	1638	64 1/2	1638
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	356	127	3226	133	3378	66 1/2	1689	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	130 1/2	3315	136 1/2	3467	70	1778	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	134	3404	140	3556	73 1/2	1867	74 1/2	1892	75	1905	75	1905
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56	1422	63	1600	52 1/2	1334	59 1/2	1511	N/A	N/A	N/A	N/A	80 1/2	2045	190	4826	196	4978	129 1/2	3289	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	N/A	N/A	N/A	N/A	87 1/2	2223	197	5004	203	5156	136 1/2	3467	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	N/A	N/A	N/A	N/A	N/A	N/A	94 1/2	2400	204	5182	210	5334	143 1/2	3645	144 1/2	3670	145	3683	145	3683

MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 9
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT(OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)
HOIST MOTOR "FACING PRESS" M1

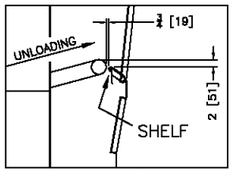
COSHA MODEL	NUMBER OF BATCHES	DIMENSION "G" INCHES	DIMENSION "G" mm	DRYER MODEL NO.	DIMENSION "H" INCHES	DIMENSION "H" mm
111	1	14 3/4	375	50040	31	787
11X	1 HICAKE	34 3/4	883	58040	27	686
112	1	14 3/4	375	58058	27	686
				58080	27 1/2	698
				6458	26	660
				7272	26	660

ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH, OPTIONAL
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR, ALTERNATES LEFT/RIGHT PER LEVEL.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 12.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION. (LEFT HAND POSITION "DASHED")
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION. (LEFT HAND POSITION "DASHED")
C1	MILNOR DRYER ROLLER

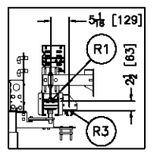
DIMENSION "F" VARIES WITH DISCHARGE HEIGHT OF ADJACENT MACHINE. SEE NOTE 7 AND 13.

ADJACENT MACHINE	DISCHARGE HEIGHT INCHES	DISCHARGE HEIGHT mm	COSHA LOADING "F"HEIGHT(℄ OF ROLLER TO Z). INCHES	COSHA LOADING "F"HEIGHT(℄ OF ROLLER TO Z). mm
MILNOR PRESS 50K	13 3/16	335	11	279
MILNOR PRESS 60K SEE NOTE BELOW	16 9/16	335	14 3/8	365
ALLIED PRESS	32 3/16	818	30 1/4	769
MILNOR COINC	31	787	30	782

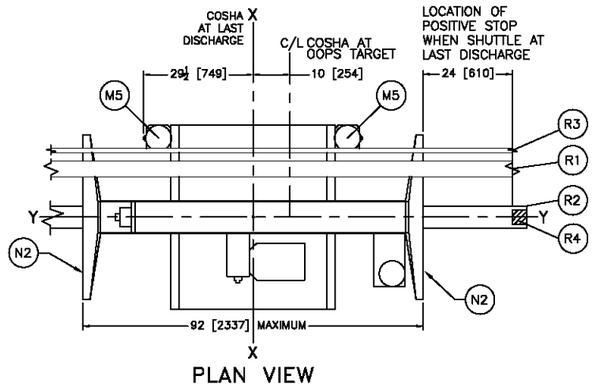
NOTE: THE MILNOR 60K PRESS CAN UNLOAD ONTO THE COSHA 11X CONVEYOR ONLY.



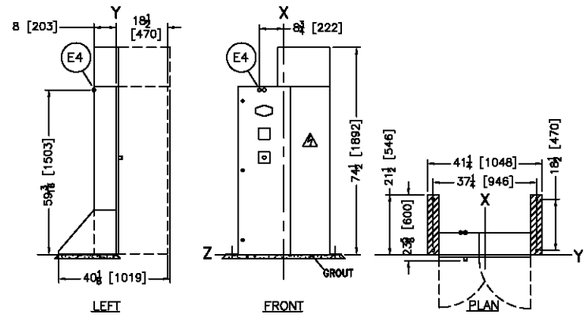
DETAIL: SHELF LOADING ONLY



DETAIL: UPPER RAILS
SEE NOTE 19.



PLAN VIEW



REMOTE MOUNT SHUTTLE CONTROL BOX
SEE NOTE 21.

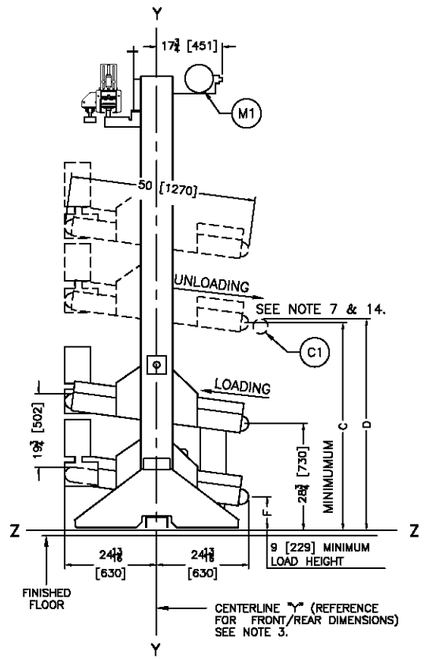
NOTES	
21	CONTROLS FOR THE SHUTTLE ARE CONTAINED IN THIS REMOTELY MOUNTED SHUTTLE CONTROL BOX WHICH MUST BE PLACED IN THE EQUIPMENT LAYOUT.
20	DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO"Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING
19	DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.
18	SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.
17	SEE BDCOSHA1EB FOR DIMENSIONS OF HORIZONTAL BED AND VARIABLE SPEED OPTIONS.
16	DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.
15	SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.
14	CAUTION – BELT END ROLLER MUST BE 1 [25] ABOVE DRYER ROLLER AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER ROLLER WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.
13	WHEN COSHA IS LOADED DIRECTLY FROM PRESS, EDGE OF CONVEYOR MUST BE 2 1/4 [57] MINIMUM FROM REAR FACE OF PRESS. THIS ALLOWS FOR CLEARANCE OF WATER CATCHER AND PRESS SLED WHEN EXTENDED.
12	EMERGENCY STOPS ARE LOCATED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE.
11	THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.
10	COSHA MODEL NUMBERS SHOWN IN THE TABLE INDICATE NUMBER AND CONFIGURATIONS OF BATCHES STORED ON CONVEYOR. IE:COSHA 112 ACCOMMODATES ONE BATCH ON THE CONVEYOR WIDTH, ONE BATCH ON THE CONVEYOR LENGTH AND TWO LEVELS OF CONVEYORS FOR A TOTAL OF TWO BATCHES. IN SINGLE CONVEYOR COSHAS, MODEL NUMBERS ENDING IN AN "X" DENOTE COSHAS WITH EXTRA "HICAKE" CLEARANCE, DIMENSION "G". IE: COSHA 11X ACCOMMODATES ONE BATCH ON THE CONVEYOR WIDTH, ONE BATCH ON THE CONVEYOR LENGTH AND ONE LEVEL EXTRA "HICAKE" CONVEYOR. COSHA112 SHOWN ON THIS DRAWING.
*9	THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.
8	AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.
7	SEE INTERFACING DIMENSIONAL DRAWING FOR RELATIVE POSITIONING OF MACHINES AND HEIGHT OFF FLOOR.
6	AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS: 36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL. 42 [1067] IF OBJECT IS A GROUNDED WALL. (ie. BARE CONCRETE, BRICK, ETC.) 48 [1219] IF OBJECT IS ANY LIVE PART. CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.
5	CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.
4	BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.
3	USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.
2	NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.
1	ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

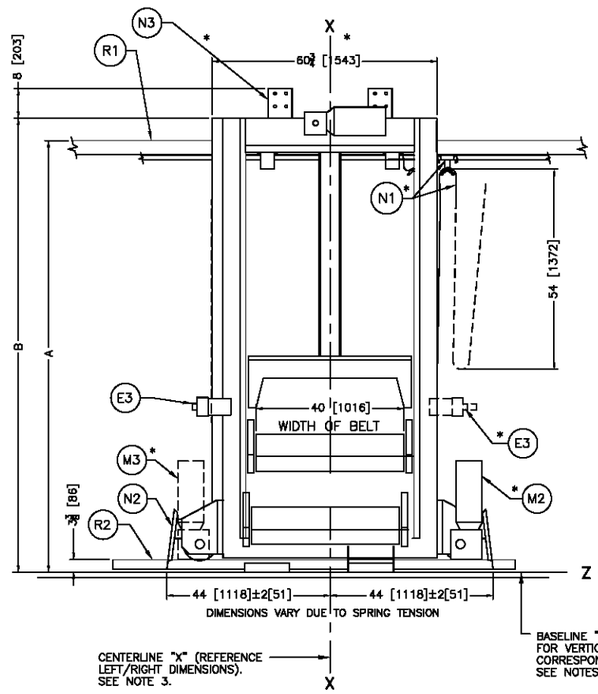
MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH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

ATTENTION

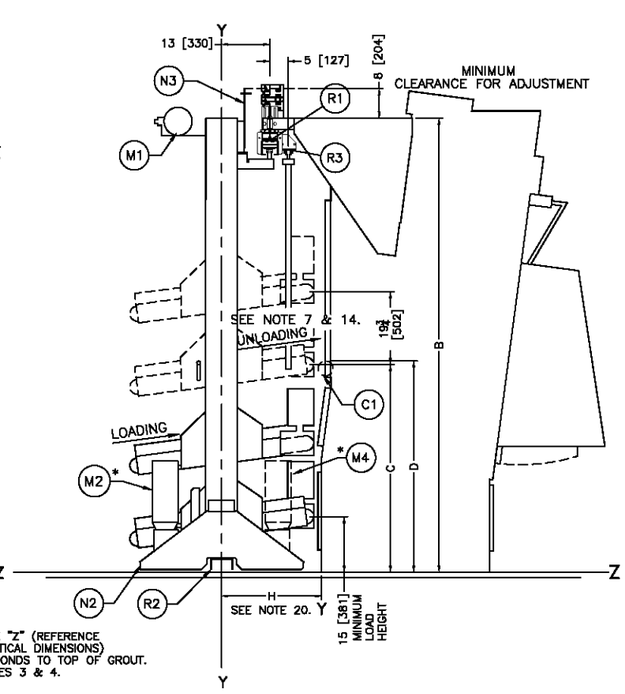
THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS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



LEFT SIDE VIEW



FRONT (LOAD END) VIEW

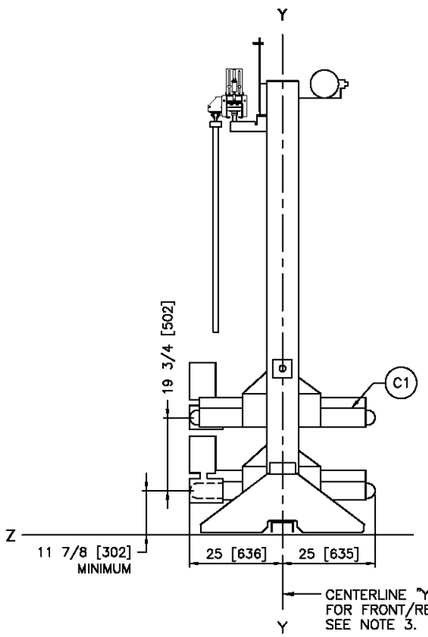


RIGHT SIDE VIEW

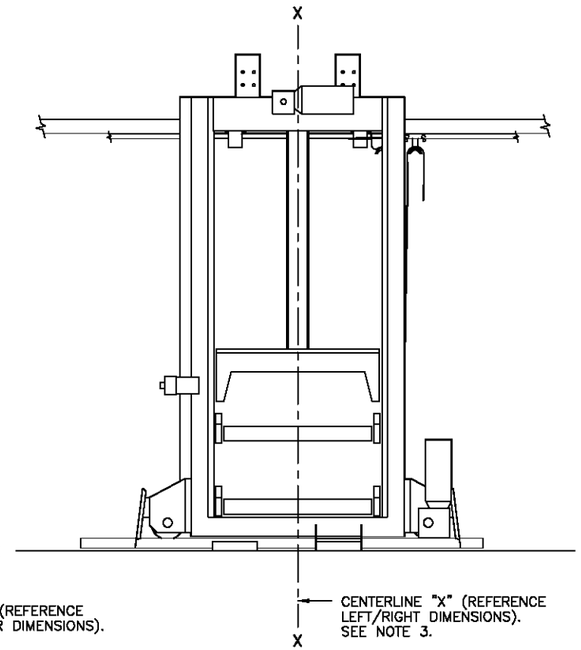
COSHA111,11X & 112 (50K Cakes)

DWG# BDCOSHA1EE 2020205D

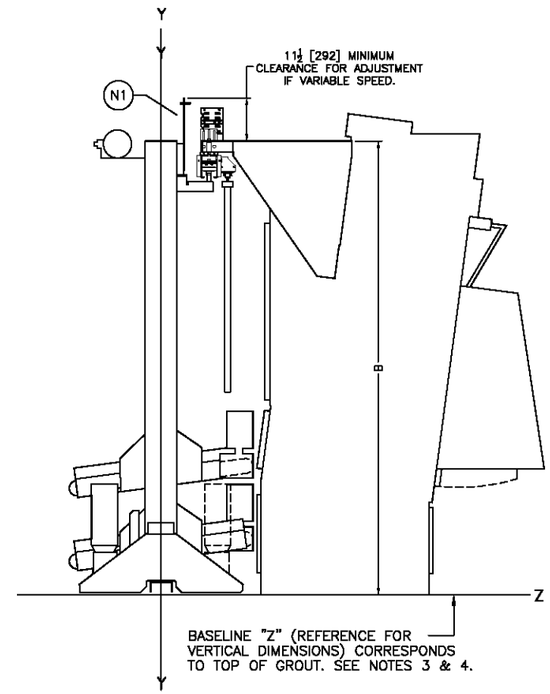
PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3094, Email: milnerinfo@milnor.com



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

N1	MOUNTING BRACKET FOR STOP SWITCH
C1	HORIZONTAL BEDS
ITEM	LEGEND

NOTES

16 SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

15 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

14 CAUTION – BELT END ROLLER MUST BE 1 [25] ABOVE DRYER ROLLER AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER ROLLER WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.

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12 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

11 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

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COSHA 111, 11X & 112 OPTIONS

DM 0 0.5M
INCHES 0 12 24

DWG# BDCOSHA1EB
2020205D

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

WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		USE THIS SIDE RAIL EXTENDER		RESULTING COSHA 113 DIMENSIONS						DIMENSION "D" 580XX DRYERS LOAD HEIGHT		DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 7272 DRYERS LOAD HEIGHT	
												DIMENSION "A"		DIMENSION "B"		DIMENSION "C"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	−10 1/2	−267	–	–	–	–	0	0	24 1/2	622	134	3404	140	3556	56	1422	57	1448	57 1/2	1460	57 1/2	1460
–	–	−7	−178	–	–	–	–	3 1/2	89	28	711	137 1/2	3493	143 1/2	3645	59 1/2	1511	60 1/2	1537	61	1549	61	1549
−7	−178	0	0	–	–	–	–	10 1/2	267	35	889	144 1/2	3581	150 1/2	3823	66 1/2	1689	67 1/2	1715	68	1727	68	1727
−3 1/2	−89	3 1/2	89	–	–	0	0	14	356	38 1/2	978	148	3747	154	3912	70	1778	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	42	1067	151 1/2	3849	157 1/2	4001	73 1/2	1867	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	45 1/2	1156	155	3937	161	4089	77	1956	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	49	1245	158 1/2	4026	164 1/2	4178	80 1/2	2045	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	56	1422	165 1/2	4204	171 1/2	4356	87 1/2	2223	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	63	1600	172 1/2	4382	178 1/2	4534	94 1/2	2400	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	70	1778	179 1/2	4559	185 1/2	4712	101 1/2	2578	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	77	1956	186 1/2	4737	192 1/2	4890	108 1/2	2756	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	84	2134	193 1/2	4915	199 1/2	5067	115 1/2	2934	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1158	52 1/2	1334	66 1/2	1689	91	2311	200 1/2	5093	206 1/2	5245	122 1/2	3112	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		98	2489	207 1/2	5271	213 1/2	5423	129 1/2	3289	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		105	2667	214 1/2	5448	220 1/2	5601	136 1/2	3467	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		112	2845	221 1/2	5626	227 1/2	5779	143 1/2	3645	144 1/2	3670	145	3683	145	3683

DRYER MODEL	DIMENSION "H" INCHES	mm
50040	31	787
58040	27	686
58058	27	686
58080	27 1/2	699
6458	26	660
7272	26	660

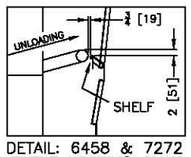
R3 FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.

MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 9

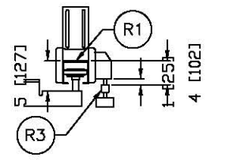
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE)M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)

HOIST MOTOR ALWAYS IN "FACING PRESS" M1

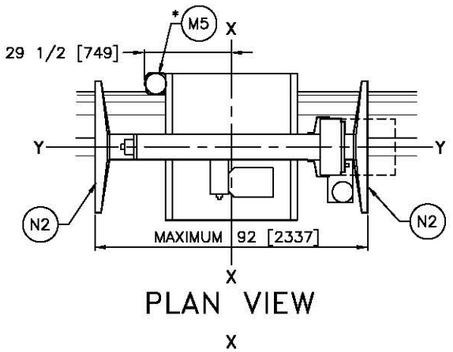
ITEM	LEGEND
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
*M5	BELT MOTOR, ALTERNATE LEFT/RIGHT PER LEVEL.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 12 .
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION. (LEFT HAND POSITION "DASHED")
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION. (LEFT HAND POSITION "DASHED")
C2	POSITION OF ROLLER ON MILNOR COELD111 WHEN LOADING.
C1	POSITION OF ROLLER ON MILNOR DRYER WHEN DISHARGING.



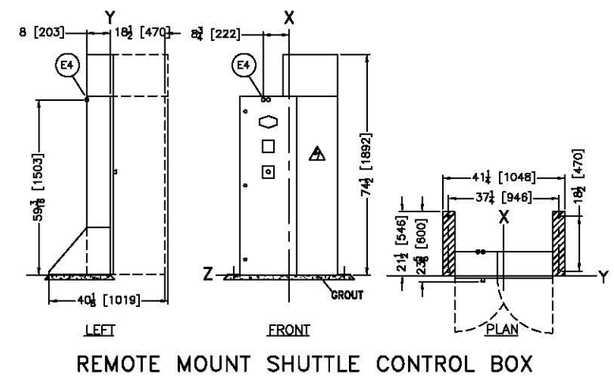
DETAIL: 6458 & 7272
SHELF LOADING ONLY



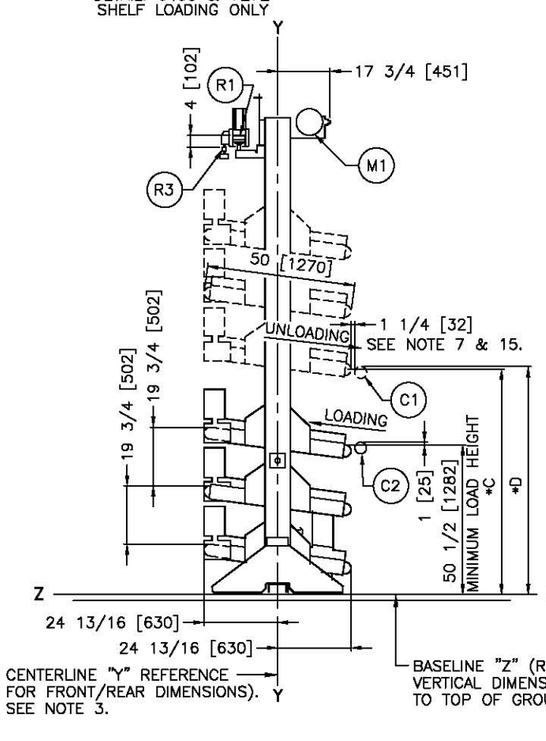
UPPER RAIL DETAIL
SEE NOTE 20.



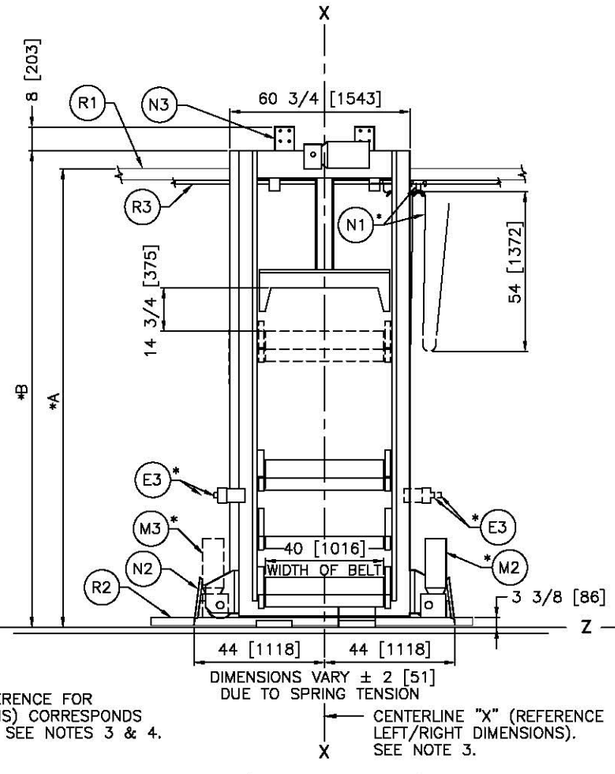
PLAN VIEW



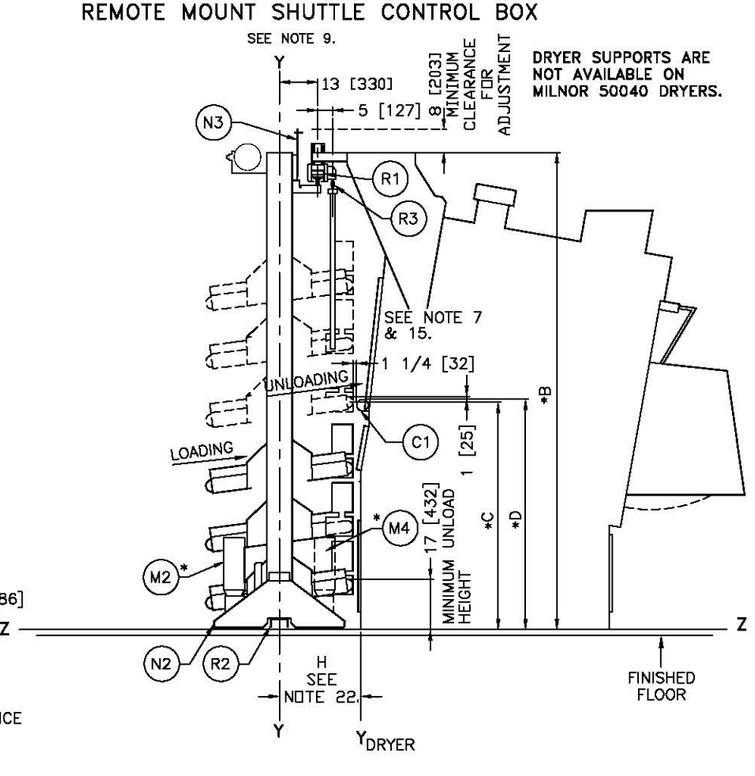
REMOTE MOUNT SHUTTLE CONTROL BOX



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

NOTES

23 CONTROLS FOR THE SHUTTLE ARE CONTAINED IN THIS REMOTELY MOUNTED SHUTTLE CONTROL BOX WHICH MUST BE PLACED IN THE EQUIPMENT LAYOUT.

22 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO"Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING

21 DRYER SUPPORTS ARE NOT AVAILABLE ON MILNOR 50040 DRYERS. CEILING OR FREESTAND SUPPORTS CAN BE USED. FIELD INNOVATION IS REQUIRED, INCLUDING VERIFICATION BY COMPETENT OTHER PERSONS THAT THE CEILING IS ADEQUATE TO SUPPORT AND STEADY THE LOAD. THIS IS NOT THE RESPONSIBILITY OF PMC.

20 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

19 SEE BDCOSH13DB FOR DIMENSIONS OF HORIZONTAL BED AND VARIABLE SPEED OPTIONS.

18 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

17 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.

16 SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

15 CAUTION – BELT END ROLLER MUST BE 1 [25] ABOVE DRYER ROLLER AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER ROLLER WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.

14 THE COSHA 113 WAS DESIGNED TO WORK WITH THE 58080 DRYER. THE COSHA 113 IS TALLER AND REQUIRES SUPPORT RAIL MOUNTED HIGHER THAN FOR STANDARD COSHA RAIL. EXTRA HEIGHT WAS NEEDED TO ACCOMMODATE THE 3RD CONVEYOR BED AS WELL AS THE 7 [178] HIGHER LOAD HEIGHT OF THE 58080 DRYER.

13 THE COSHA 113 CANNOT BE LOADED DIRECTLY FROM A COINC CONVEYOR. THE MINIMUM LOAD HEIGHT FOR TOP BELT IS 49 [1245] (CENTER OF ROLLER). THEREFORE, THE COSHA 113 MUST BE LOADED BY A COELF 111 CONVEYOR.

12 EMERGENCY STOPS ARE LOCATED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE.

11 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

10 COSHA MODEL NUMBERS SHOWN IN THE TABLE INDICATE NUMBER AND CONFIGURATIONS OF BATCHES STORED ON CONVEYOR. IE:COSHA 113 ACCOMMODATES ONE BATCH ON THE CONVEYOR WIDTH, ONE BATCH ON THE CONVEYOR LENGTH AND THREE LEVELS OF CONVEYORS FOR A TOTAL OF THREE BATCHES.

*9 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

8 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

7 SEE INTERFACING DIMENSIONAL DRAWING FOR RELATIVE POSITIONING OF MACHINES AND HEIGHT OFF FLOOR.

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

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

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

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

ATTENTION

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

ATTENTION

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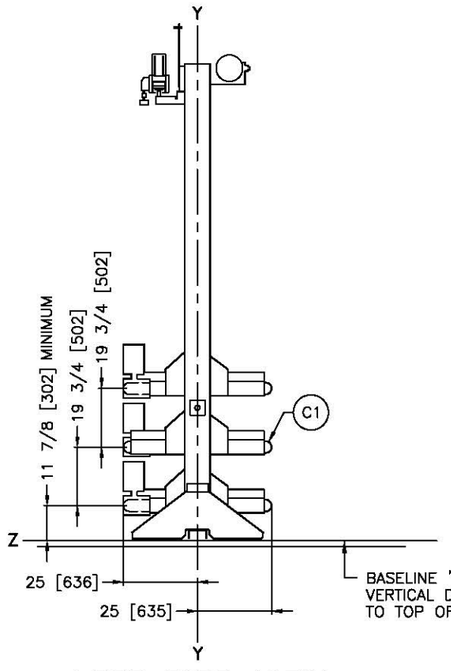
COSHA 113 (50K Cakes)

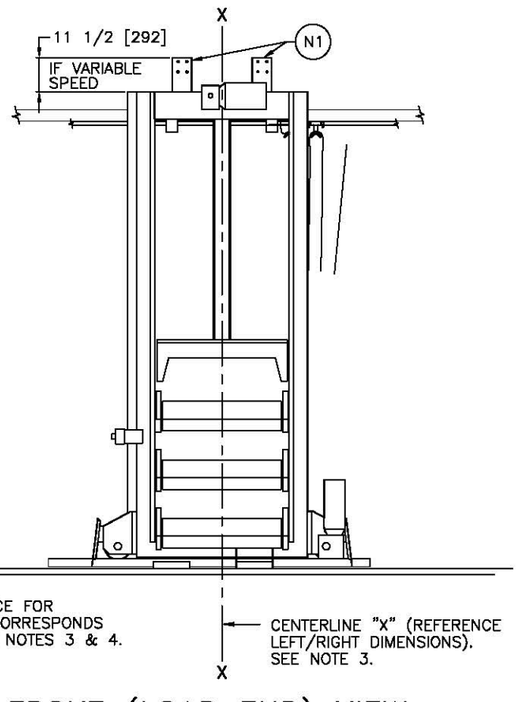
DM 0 0.5M
INCHES 0 12 24

DWG# BDCOSH13DE 2018196D

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

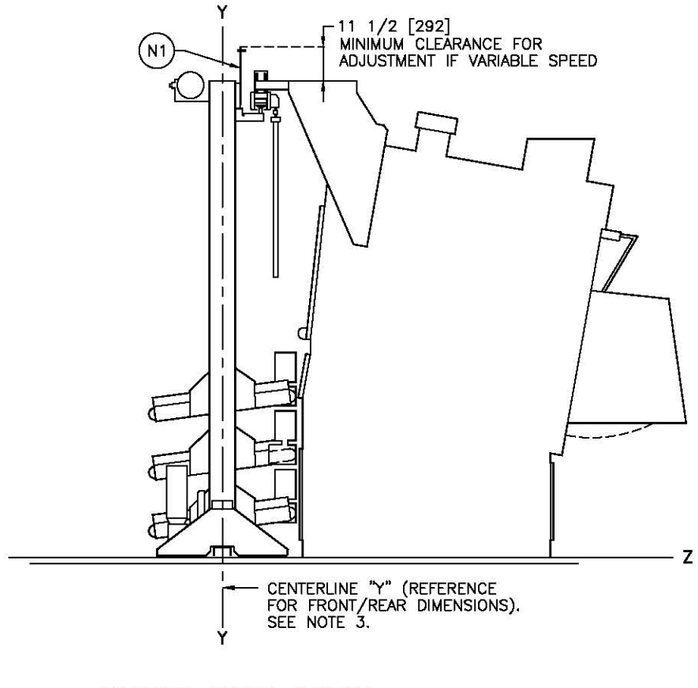


LEFT SIDE VIEW



FRONT (LOAD END) VIEW

DRYER SUPPORTS ARE NOT AVAILABLE ON MILNOR 50040 DRYERS.



RIGHT SIDE VIEW

ITEM	LEGEND
N1	MOUNTING BRACKET FOR STOP SWITCH
C1	HORIZONTAL BEDS

NOTES

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COSHA 113 OPTIONS

DM 0 0.5M
INCHES 0 12 24

DWG# BDCOSH13DB
2018196D

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

WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5808OTG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5805STG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5804OTG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5004OTS1		USE THIS SIDE RAIL EXTENDERS		COSHA 121 & 12X DIMENSIONS						DIMENSION "D" 580XX DRYERS LOAD HEIGHT		DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"		DIMENSION "C"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	-10 1/2	-267	–	–	–	–	0	0	0	0	7	533	116 1/2	2959	122 1/2	3112	55	1397	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	622	120	3048	126	3200	58 1/2	1486	60 1/2	1537	61	1549	61	1549
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	711	127	3226	133	3378	65 1/2	1664	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	130 1/2	3315	136 1/2	3467	69	1753	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	134	3404	140	3556	72 1/2	1842	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	137 1/2	3493	143 1/2	3645	76	1930	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	141	3581	147	3734	79 1/2	2019	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	148	3759	154	3912	86 1/2	2197	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	155	3937	161	4089	93 1/2	2375	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	162	4115	168	4267	100 1/2	2553	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	169	4293	175	4445	107 1/2	2731	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	176	4470	182	4623	114 1/2	2908	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	183	4648	189	4801	121 1/2	3086	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	N/A	N/A	N/A	N/A	80 1/2	2045	190	4826	196	4978	128 1/2	3264	130 1/2	3315	131	3327	131	3327

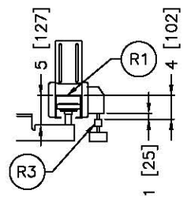
MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 9
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)
HOIST MOTOR "FACING PRESS" M1

DRYER MODEL	DIMENSION "H"	
	INCHES	mm
50040	31	787
58040	27	686
5805B	27	686
58080	27 1/2	699
6458	26	660
7272	26	660

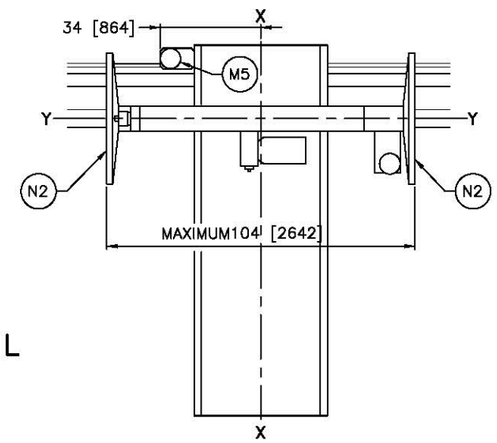
DIMENSION "F" VARIES WITH DISCHARGE HEIGHT OF ADJACENT MACHINE. SEE NOTE 7 AND 13.

ADJACENT MACHINE	DISCHARGE HEIGHT		COSHA LOADING "F" HEIGHT(℄ OF ROLLER TO ℄).	
	INCHES	mm	INCHES	mm
MILNOR PRESS 50K	13 3/16	335	10	254
MILNOR PRESS 60K SEE NOTE BELOW	16 9/16	335	13 3/8	340
ALLIED PRESS	32 3/16	818	29 1/4	743
MILNOR COINC	31	787	29	737

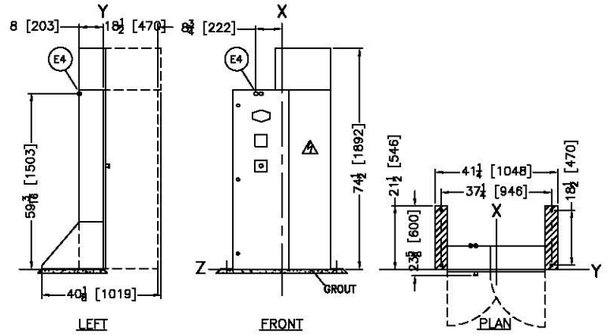
NOTE: THE MILNOR 60K PRESS CAN UNLOAD ONTO THE COSHA 11X CONVEYOR ONLY.



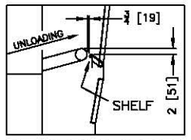
UPPER RAIL DETAIL
SEE NOTE 19.



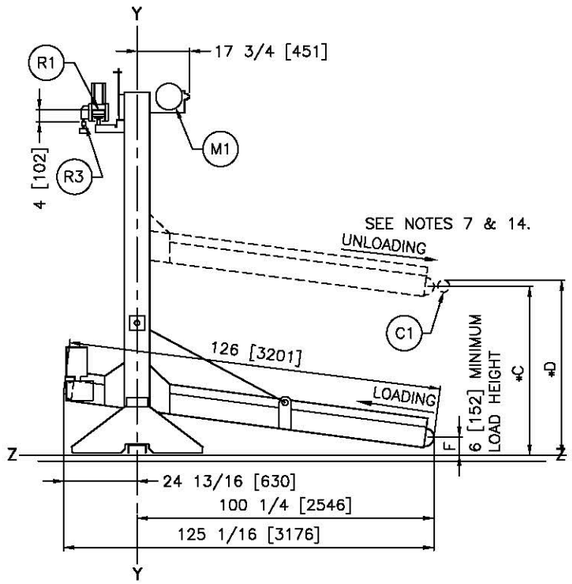
PLAN VIEW



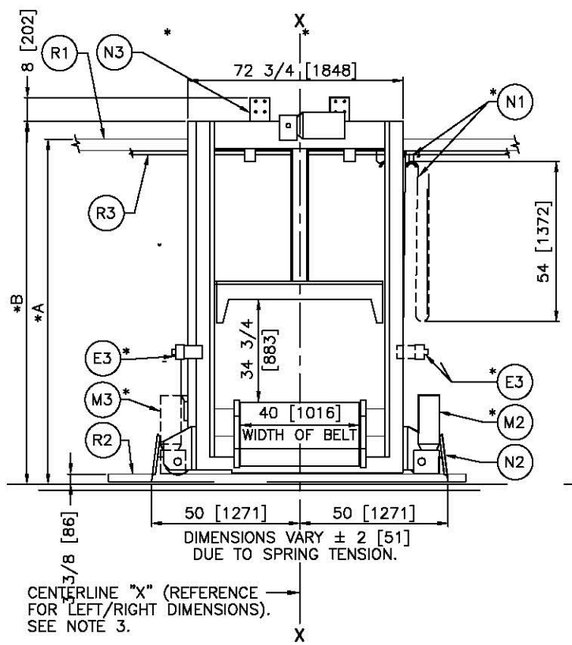
REMOTE MOUNT SHUTTLE CONTROL BOX
SEE NOTE 21.



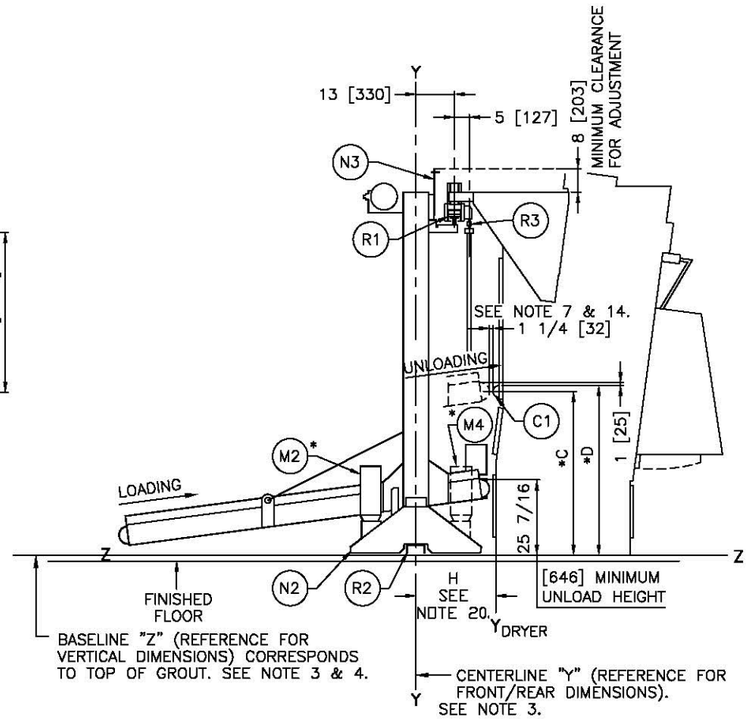
DETAIL: 6458 & 7272
SHELF LOADING ONLY



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL, RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 12.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER INTERFACE. SEE NOTE 7.

NOTES

21 CONTROLS FOR THE SHUTTLE ARE CONTAINED IN THIS REMOTELY MOUNTED SHUTTLE CONTROL BOX WHICH MUST BE PLACED IN THE EQUIPMENT LAYOUT.

20 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO"Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING

19 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

18 SEE BDCOSH21EB FOR DIMENSIONS OF HORIZONTAL BED AND VARIABLE SPEED OPTIONS.

17 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.

16 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

15 SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

14 CAUTION – BELT END ROLLER MUST BE 1 [25] ABOVE DRYER ROLLER AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER ROLLER WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.

13 WHEN COSHA IS LOADED DIRECTLY FROM PRESS, EDGE OF CONVEYOR MUST BE 2 1/4 [57] MINIMUM FROM REAR FACE OF PRESS. THIS ALLOWS FOR CLEARANCE OF WATER CATCHER AND PRESS SLED WHEN EXTENDED.

12 EMERGENCY STOPS ARE LOCATED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE.

11 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

10 COSHA MODEL NUMBERS SHOWN IN THE TABLE INDICATE NUMBER AND CONFIGURATIONS OF BATCHES STORED ON CONVEYOR. IE:COSHA 121 ACCOMMODATES ONE BATCH ON THE CONVEYOR WIDTH, TWO BATCH ON THE CONVEYOR LENGTH AND ONE LEVELS OF CONVEYORS FOR A TOTAL OF TWO BATCHES. IN SINGLE CONVEYOR COSHAS, MODEL NUMBERS ENDING IN AN "X" DENOTE COSHAS WITH EXTRA "HICAKE" CLEARANCE, DIMENSION "G". IE: COSHA 12X ACCOMMODATES ONE BATCH ON THE CONVEYOR WIDTH, TWO BATCH ON THE CONVEYOR LENGTH AND ONE LEVEL EXTRA "HICAKE" CONVEYOR. COSHA121 SHOWN ON THIS DRAWING.

*9 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

8 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

7 SEE INTERFACING DIMENSIONAL DRAWING FOR RELATIVE POSITIONING OF MACHINES AND HEIGHT OFF FLOOR.

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

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

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

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

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

ATTENTION

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

ATTENTION

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

COSHA121 & 12X (120K)

DM 0 0.5M
INCHES 0 12 24

DWG# BDCOSH21FE
2018196D

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

ITEM	LEGEND
N1	MOUNTING BRACKET FOR STOP SWITCH
C1	HORIZONTAL BED

NOTES

15 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

14 SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

13 CAUTION – BELT END ROLLER MUST BE 1 [25] ABOVE DRYER ROLLER AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER ROLLER WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.

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*9 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

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CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

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ATTENTION

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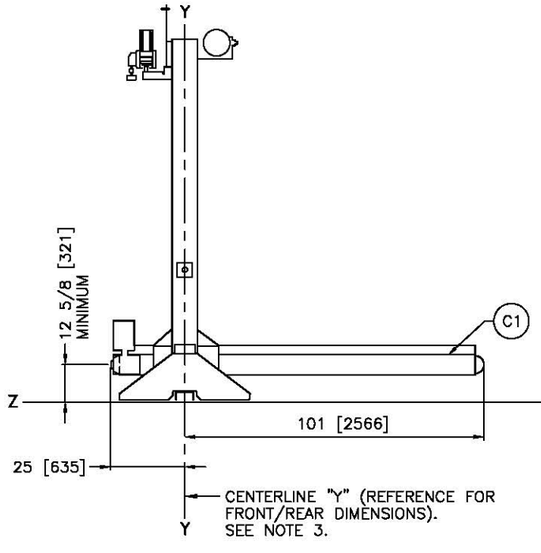
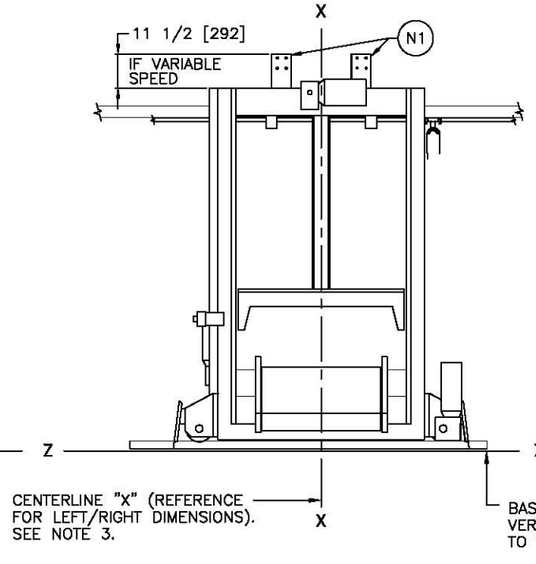
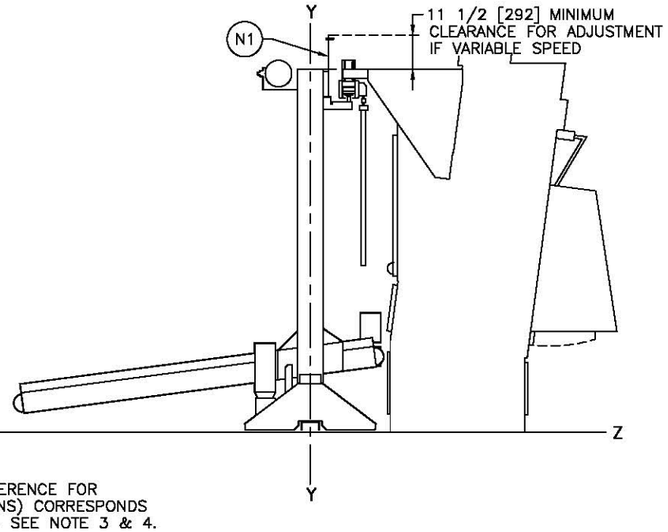


LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

COSHA 121 & 12X OPTIONS

DWG# BDCOSH21FB
2018196D

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

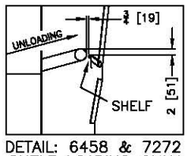
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5808OTG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5805ITG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5804OTG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5004OTS1		USE THIS SIDE RAIL EXTENDERS FOR		RESULTING COSHA 122 DIMENSIONS						DIMENSION "D" 5808XX DRYERS LOAD HEIGHT		DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"		DIMENSION "C"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	-10 1/2	-267	–	–	–	–	0	0	0	0	45 1/2	1156	155	3937	161	4089	55	1397	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	49	1245	158 1/2	4026	164 1/2	4178	58 1/2	1486	60 1/2	1537	61	1549	61	1549
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	56	1422	165 1/2	4204	171 1/2	4356	65 1/2	1664	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	59 1/2	1511	169	4293	175	4445	69	1753	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	63	1600	172 1/2	4382	178 1/2	4534	72 1/2	1842	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	66 1/2	1689	176	4470	182	4623	76	1930	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	70	1778	179 1/2	4559	185 1/2	4712	79 1/2	2019	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	77	1956	186 1/2	4737	192 1/2	4890	86 1/2	2197	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	84	2134	193 1/2	4915	199 1/2	5067	93 1/2	2375	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	91	2311	200 1/2	5093	206 1/2	5245	100 1/2	2553	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	98	2489	207 1/2	5271	213 1/2	5423	107 1/2	2731	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	105	2657	214 1/2	5448	220 1/2	5601	114 1/2	2908	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	112	2845	221 1/2	5626	227 1/2	5779	121 1/2	3086	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		119	3023	228 1/2	5804	234 1/2	5956	128 1/2	3264	130 1/2	3315	131	3327	131	3327

NOTE: FOR UNLOADING ON THE SAME SIDE AS LOADING TO MILNOR DRYER, USING TABLE ADD 14" TO COSHA "A", "B", "C" AND "D".

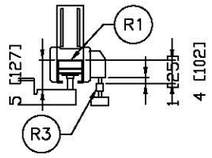
MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 9
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2 BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE) BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3 BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4 FESTOON RIGHT (SOLID) N2 FESTOON LEFT (REVERSE OF ABOVE) HOIST MOTOR ALWAYS IN"FACING PRESS" M1

DRYER MODEL NO.	DIMENSION "H"	
	INCHES	mm
50040	31	787
58040	27	686
58058	27	686
58080	27 1/2	699
6458	26	660
7272	26	660

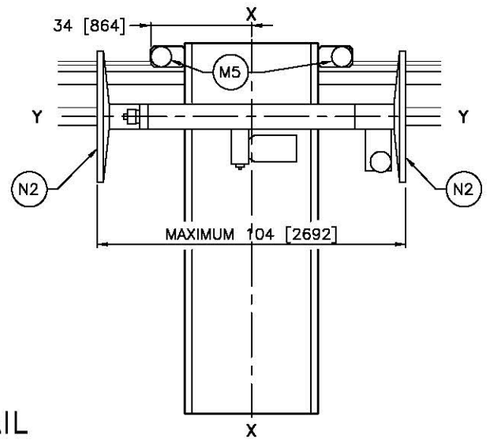
ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR, ALTERNATES LEFT/RIGHT PER LEVEL.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E2	EMERGENCY STOP BUTTON. SEE NOTE 13.
E1	ELECTRICAL & CONTROL CABLE CONNECTIONS FOR REMOTE SHUTTLE CONTROL BOX
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER INTERFACE. SEE NOTE 7.



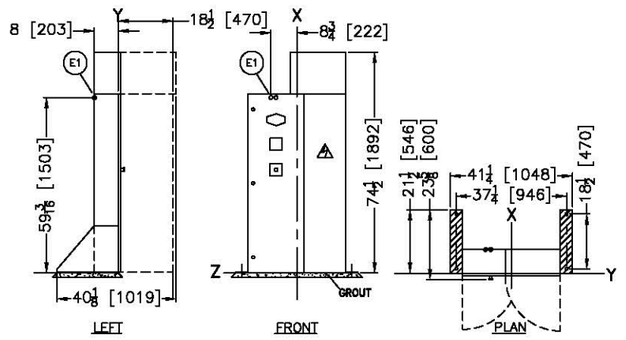
DETAIL: 6458 & 7272 SHELF LOADING ONLY



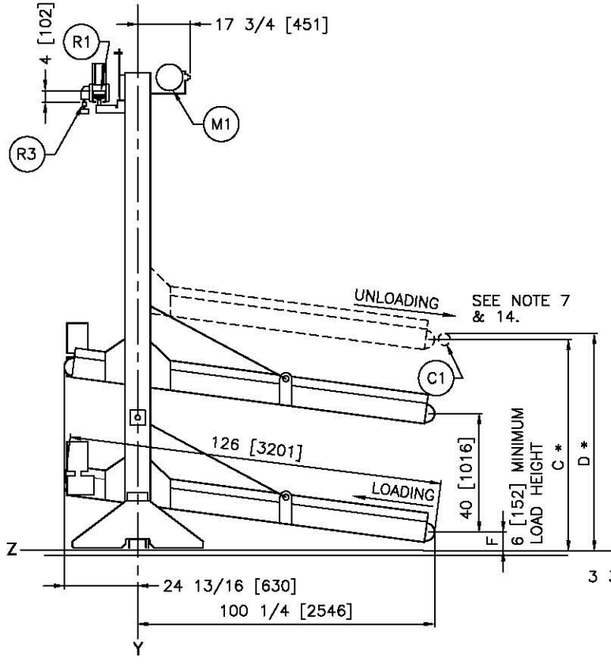
UPPER RAIL DETAIL
SEE NOTE 19.



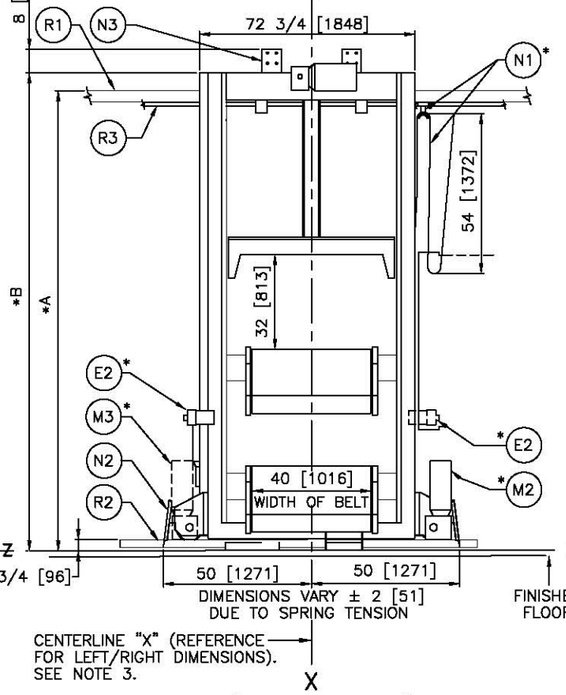
PLAN VIEW



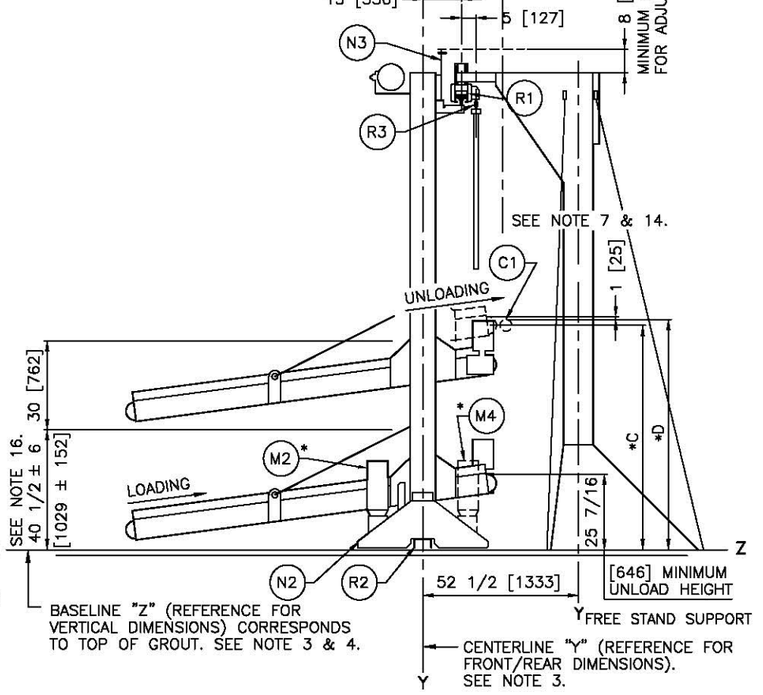
REMOTE MOUNT SHUTTLE CONTROL BOX
SEE NOTE 9.



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

NOTES
22 CONTROLS FOR THE SHUTTLE ARE CONTAINED IN THIS REMOTELY MOUNTED SHUTTLE CONTROL BOX WHICH MUST BE PLACED IN THE EQUIPMENT LAYOUT.
21 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO "Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING
20 CEILING SUPPORTS OR FREESTAND SUPPORTS ARE AVAILABLE ONLY. NO DRYER SUPPORTS. FIELD INNOVATION IS REQUIRED, INCLUDING VERIFICATION BY COMPETENT OTHER PERSONS THAT THE CEILING IS ADEQUATE TO SUPPORT AND STEADY THE LOAD. THIS IS NOT THE RESPONSIBILITY OF PMC.
19 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.
18 SEE BDCOSH22CB FOR DIMENSIONS OF HORIZONTAL BED AND VARIABLE SPEED OPTIONS.
17 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.
16 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.
14 CAUTION – BELT END ROLLER MUST BE 1 [25] ABOVE DRYER ROLLER AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER ROLLER WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.
13 COSHA 122 CANNOT BE LOADED DIRECTLY FROM A COINC CONVEYOR. THE MINIMUM LOAD HEIGHT OF TOP BELT IS 42" [1067] (CENTER OF ROLLER). THEREFORE, COSHA 122 MUST BE LOADED BY A COEID 121 CONVEYOR.
12 EMERGENCY STOPS ARE SUPPLIED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE.
11 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.
10 COSHA MODEL NUMBERS SHOWN IN THE TABLE INDICATE NUMBER AND CONFIGURATIONS OF BATCHES STORED ON CONVEYOR. IE:COSHA 122 ACCOMMODATES ONE BATCH ON THE CONVEYOR WIDTH, TWO BATCH ON THE CONVEYOR LENGTH AND TWO LEVELS OF CONVEYORS FOR A TOTAL OF FOUR BATCHES. COSHA122 SHOWN ON THIS DRAWING.
*9 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.
8 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.
7 SEE INTERFACING DIMENSIONAL DRAWING FOR RELATIVE POSITIONING OF MACHINES AND HEIGHT OFF FLOOR.
6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS: 36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL. 42 [1067] IF OBJECT IS A GROUNDED WALL. (ie. BARE CONCRETE, BRICK, ETC.) 48 [1219] IF OBJECT IS ANY LIVE PART. CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.
5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.
4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.
3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.
2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.
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ATTENTION

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

ATTENTION

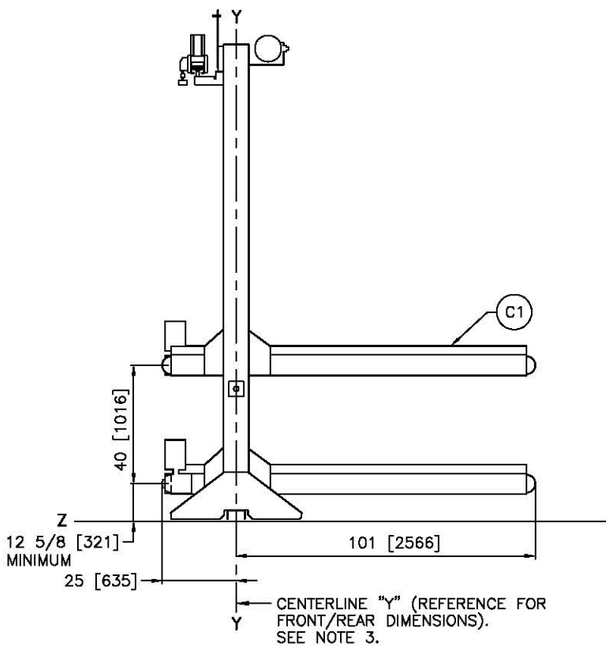
THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS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

COSHA 122 (4–50K Cakes)

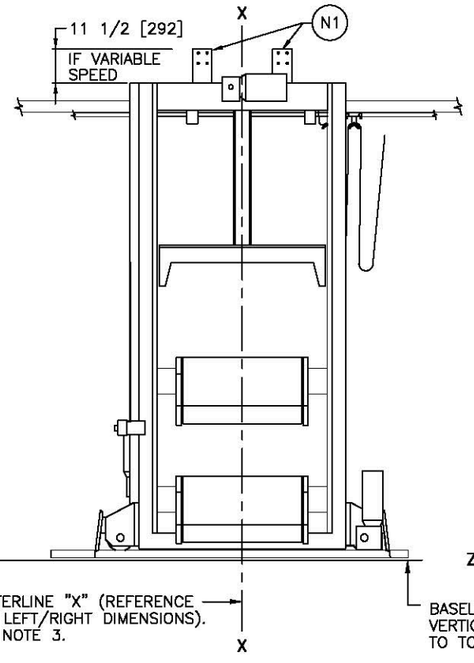
DM 0 0.5M
INCHES 0 12 24

DWG# BDCOSH22DE
2018196D

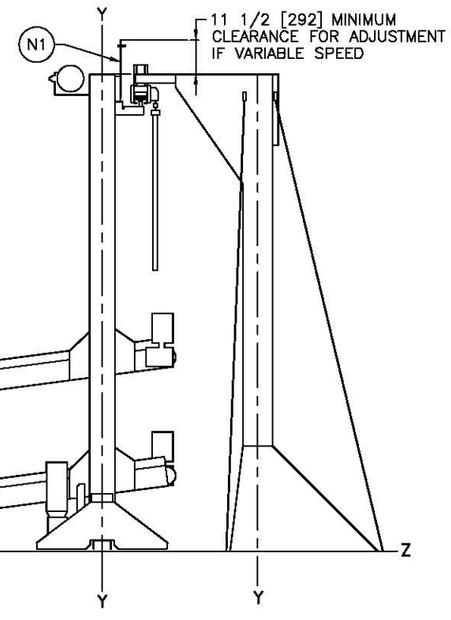
PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-3094, Email: milnorinfo@milnor.com



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

ITEM	LEGEND
N1	MOUNTING BRACKET FOR STOP SWITCH
C1	HORIZONTAL BED

NOTES

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16 SEE BDLTRAILBE FOR DIMENSIONS OF RAILS AND SUPPORTS.

15 SEE BDLTRCLRBE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

14 CAUTION -- BELT END ROLLER MUST BE 1 [25] ABOVE DRYER ROLLER AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER ROLLER WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.

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ATTENTION

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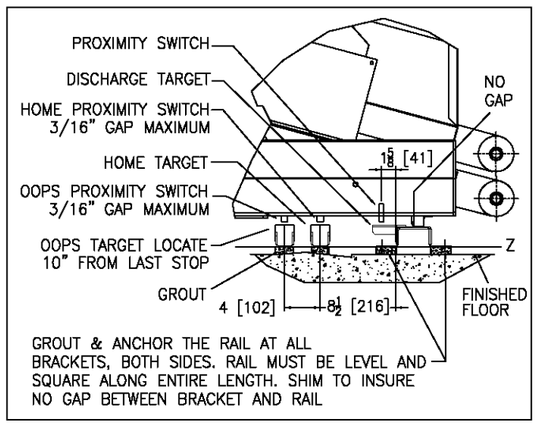
COSHA 122 OPTIONS

DM 0 0.5M
INCHES 0 12 24

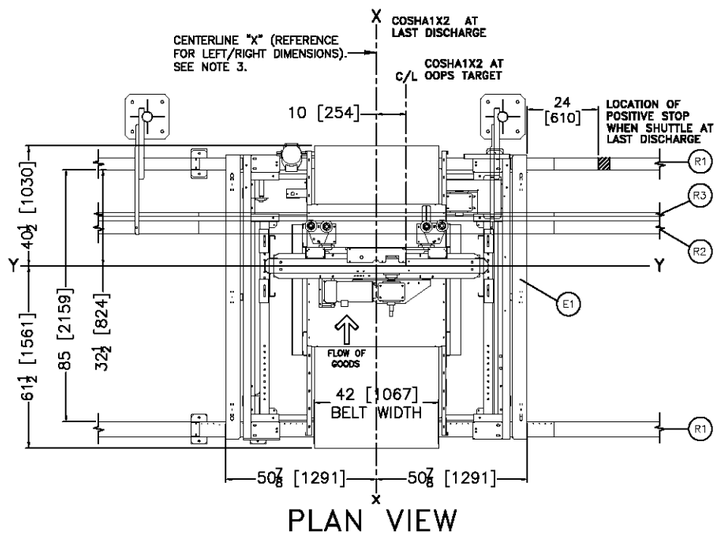
DWG# BDCOSH22DB
2018196D

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

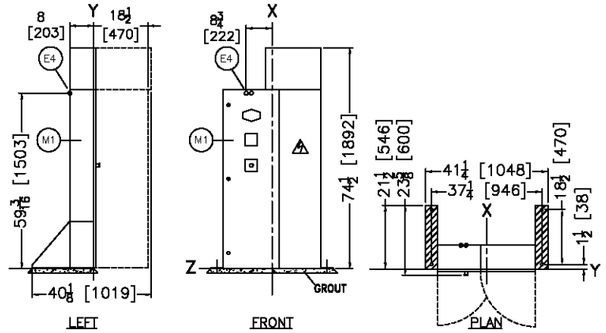
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7676TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6464 & 6458TG1/TS1		USE THIS SIDE RAIL EXTENDER		RESULTING COSHA1X2 DIMENSIONS						DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 6464 DRYERS LOAD HEIGHT		DIMENSION "D" 7272 DRYERS LOAD HEIGHT		DIMENSION "D" 7676 DRYERS LOAD HEIGHT	
								DIMENSION "A"		DIMENSION "B"		DIMENSION "C"									
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
				0	0	42	1067	148	3759	154	3912	70	1778	68	1727	68 1/2	1740				
				3 1/2	89	45 1/2	1156	151 1/2	3848	157 1/2	4000	73 1/2	1867	71 1/2	1816	72	1829				
		0	0	7	178	49	1245	155	3937	161	4089	77	1956	75	1905	75 1/2	1918	75 1/2	1918		
0	0	3 1/2	89	10 1/2	267	52 1/2	1334	158 1/2	4026	164 1/2	4178	80 1/2	2045	78 1/2	1994	79	2007	79	2007	77	1956
3 1/2	89	7	178	14	356	56	1422	162	4115	168	4267	84	2134	82	2083	82 1/2	2096	82 1/2	2096	80 1/2	2045
10 1/2	267	14	356	21	533	63	1600	169	4293	175	4445	91	2311	89	2261	89 1/2	2273	86	2184	87 1/2	2222
17 1/2	444	21	533	28	711	70	1778	176	4470	182	4623	98	2489	96	2438	96 1/2	2451	89 1/2	2273	94 1/2	2400
24 1/2	622	28	711	35	889	77	1956	183	4648	189	4801	105	2667	103	2616	103 1/2	2629	96 1/2	2451	101 1/2	2578
31 1/2	800	35	889	42	1067	84	2134	190	4826	196	4978	112	2845	110	2794	110 1/2	2807	103 1/2	2629	108 1/2	2705
38 1/2	978	42	1067	49	1245	91	2311	197	5004	203	5156	119	3023	117	2972	117 1/2	2984	110 1/2	2807	115 1/2	2933
45 1/2	1156	49	1245	56	1422	98	2489	204	5182	210	5334	126	3200	124	3150	124 1/2	3162	117 1/2	2984	122 1/2	3112
52 1/2	1334	56	1422	63	1600	105	2667	211	5359	217	5512	133	3378	131	3327	131 1/2	3340	124 1/2	3162	129 1/2	3289
59 1/2	1511	63	1600	70	1778	112	2845	218	5537	224	5687	140	3556	138	3505	138 1/2	3518	131 1/2	3340	136 1/2	3467
66 1/2	1689	70	1778	77	1956	119	3022	225	5715	231	5867	147	3734	145	3683	145 1/2	3697	138 1/2	3518	143 1/2	3645



TARGETS & SWITCH INSTALLATION

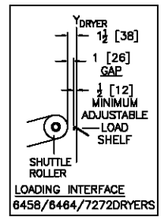


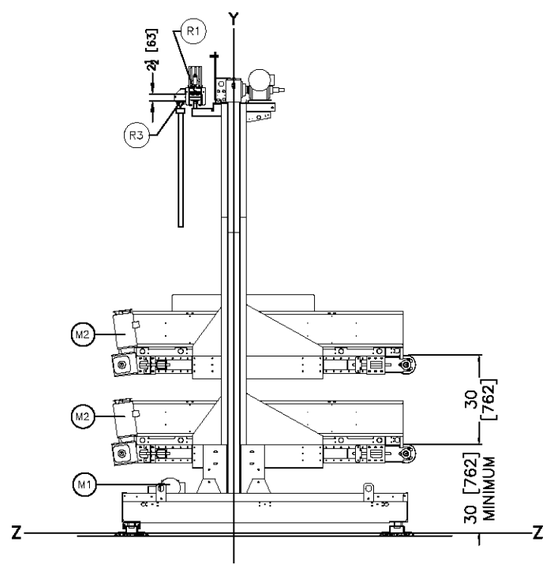
PLAN VIEW



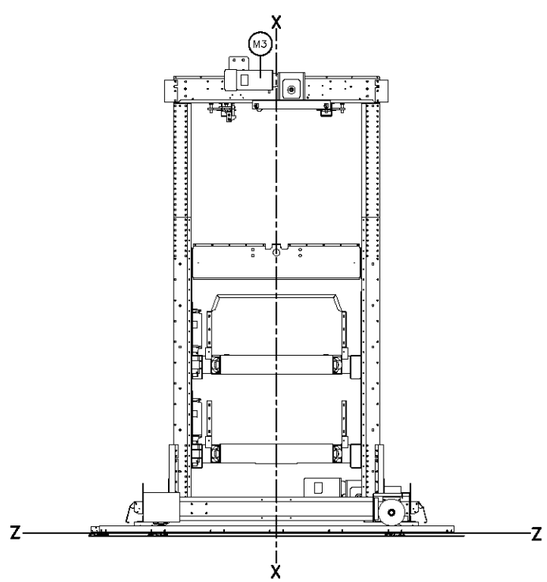
REMOTE MOUNT SHUTTLE CONTROL BOX

SEE NOTE 11.

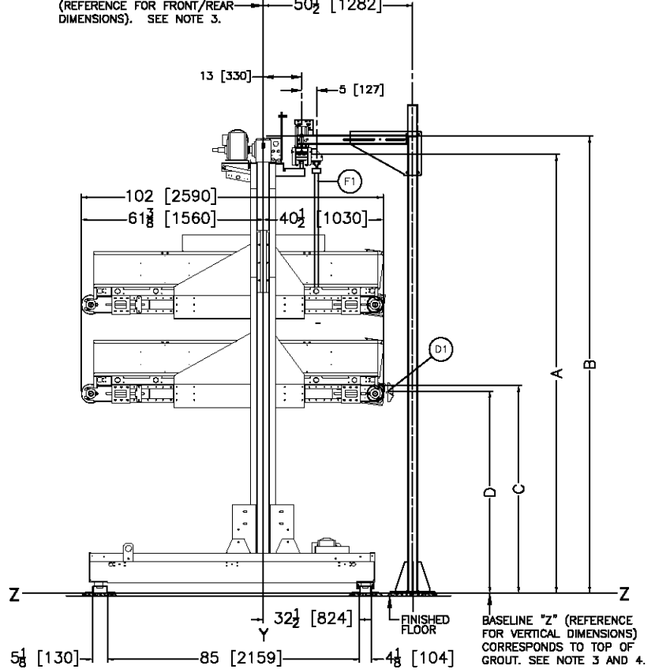




LEFT VIEW
(LOAD)



FRONT VIEW
(LOAD)



RIGHT VIEW
(DISCHARGE)

ITEM	LEGEND
R4	POSITIVE STOP
R3	FESTOON SUPPORT RAIL
R2	UPPER SUPPORT RAIL
R1	BOTTOM DRIVE RAILS
E1	CONTROLS, REMOTE MOUNTED
M3	HOIST MOTOR AND WINCH.
M2	BELT MOTORS, ALTERNATES LEFT/RIGHT PER LEVEL.
M1	DRIVE MOTOR, UNDER CART FRAME, NOT VISIBLE.
F1	FESTOON CABLE
E4	ELECTRICAL & CONTROL CABLE CONNECTIONS FOR REMOTE SHUTTLE CONTROL BOX
E3	EMERGENCY STOP BUTTON
E2	EMERGENCY STOP KICK PLATE
E1	JUNCTION BOX
D1	LOAD DOOR SHELF
B1	CART FRAME WELDMENT

NOTES

10 CONTROLS FOR THE SHUTTLE ARE CONTAINED IN THIS REMOTELY MOUNTED SHUTTLE CONTROL BOX WHICH MUST BE PLACED IN THE EQUIPMENT LAYOUT.

9 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.

8 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. A THIRD EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE REMOTE SHUTTLE CONTROL BOX.

7 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

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

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COSHA1X2

DWG# BDCOSHAXBE 2020205D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
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WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDERS		COSHB111 DIMENSIONS						DIMENSION "D" 580XX DRYERS LOAD HEIGHT		DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"		DIMENSION "C"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	-10 1/2	-267	–	–	–	–	0	0	0	0	7	178	116 1/2	2959	122 1/2	3112	56	1422	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	120	3048	126	3200	59 1/2	1511	60 1/2	1537	61	1549	61	1549
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	356	127	3226	133	3378	66 1/2	1689	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	130 1/2	3315	136 1/2	3467	70	1778	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	134	3404	140	3556	73 1/2	1867	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	137 1/2	3493	143 1/2	3645	77	1956	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	141	3581	147	3734	80 1/2	2045	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	148	3759	154	3912	87 1/2	2223	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	155	3937	161	4089	94 1/2	2400	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	162	4115	168	4267	101 1/2	2578	102 1/2	2604	103	2618	103	2618
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	169	4293	175	4445	108 1/2	2756	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	176	4470	182	4623	115 1/2	2934	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	183	4648	189	4801	122 1/2	3112	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	N/A	N/A	N/A	N/A	80 1/2	2045	190	4826	196	4978	129 1/2	3289	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	N/A	N/A	N/A	N/A	87 1/2	2223	197	5004	203	5156	136 1/2	3467	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	N/A	N/A	N/A	N/A	N/A	N/A	94 1/2	2400	204	5182	210	5334	143 1/2	3645	144 1/2	3670	145	3683	145	3683

DIMENSION "F" VARIES WITH DISCHARGE HEIGHT OF ADJACENT MACHINE. SEE NOTE 7 AND 12.

ADJACENT MACHINE	DISCHARGE HEIGHT		COSHA LOADING HEIGHT "F"	
	INCHES	mm	INCHES	mm
MILNOR PRESS 50K	13 3/16	335	11	279
MILNOR PRESS 60K SEE NOTE BELOW	16 9/16	335	14 3/8	365
ALLIED PRESS	32 3/16	818	30 1/4	769
MILNOR COINC	31	787	30	762

NOTE: THE MILNOR 60K PRESS CAN UNLOAD ONTO THE COSHA 11X CONVEYOR ONLY.

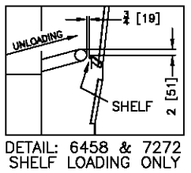
MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 9

BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)

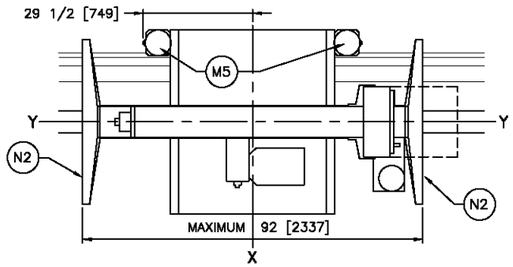
HOIST MOTOR "FACING PRESS" M1

DRYER MODEL NO.	DIMENSION "H" INCHES	mm
50040	31	787
58040	27	686
58058	27	686
58080	27 1/2	699
6458	26	660
7272	26	660

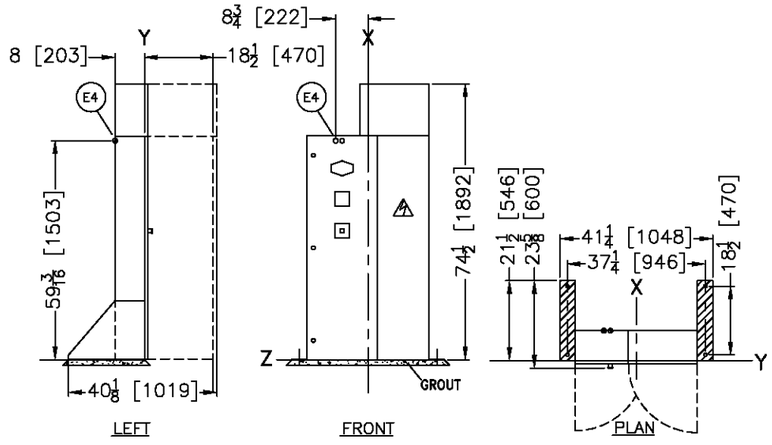
ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR, ALTERNATES LEFT/RIGHT PER LEVEL.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 12.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION. (LEFT HAND POSITION "DASHED")
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION. (LEFT HAND POSITION "DASHED")
C1	MILNOR DRYER ROLLER



DETAIL: 6458 & 7272 SHELF LOADING ONLY



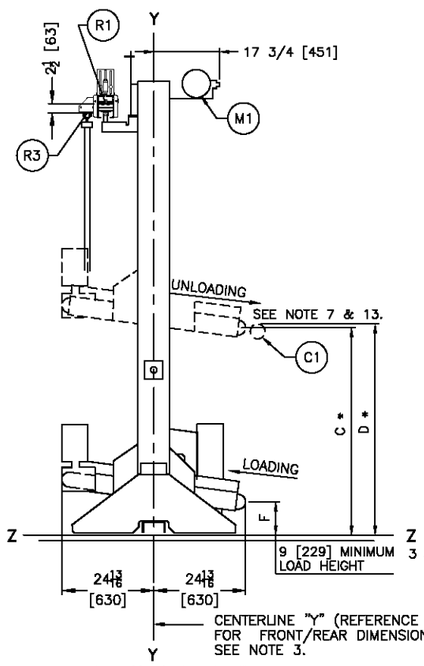
PLAN VIEW



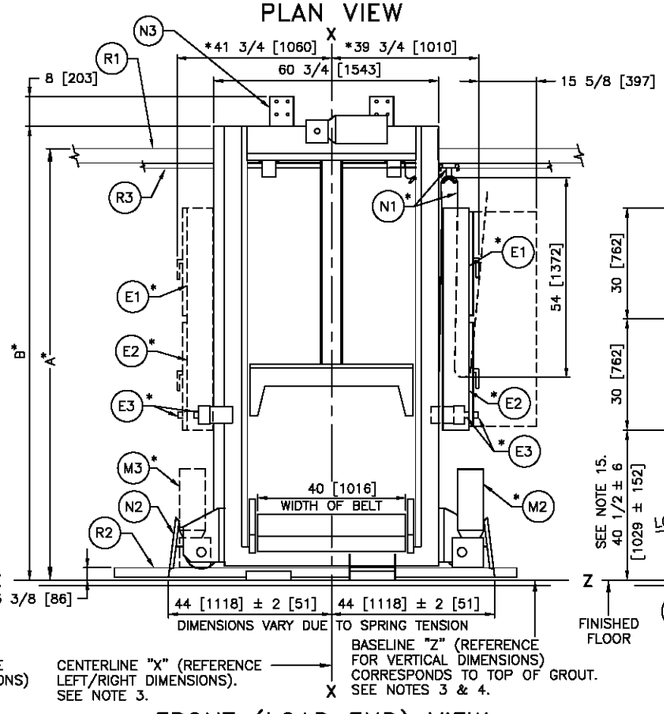
LEFT FRONT PLAN

REMOTE MOUNT SHUTTLE CONTROL BOX

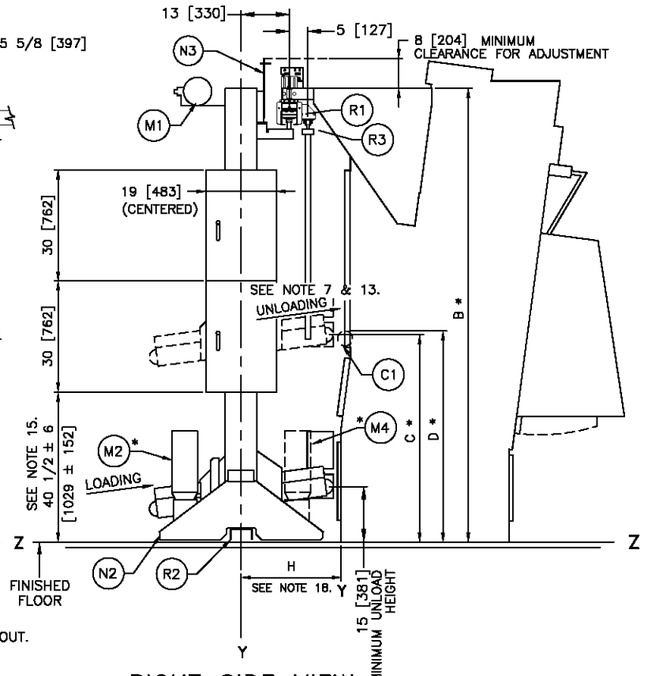
SEE NOTE 19.



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

NOTES

19 CONTROLS FOR THE SHUTTLE ARE CONTAINED IN THIS REMOTELY MOUNTED SHUTTLE CONTROL BOX WHICH MUST BE PLACED IN THE EQUIPMENT LAYOUT.
18 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO "Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING
17 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.
16 SEE BOLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.
15 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.
14 SEE BOLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.
13 CAUTION – BELT END ROLLER MUST BE 1 [25] ABOVE DRYER ROLLER AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER ROLLER WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.
12 WHEN COSHA IS LOADED DIRECTLY FROM PRESS, EDGE OF CONVEYOR MUST BE 2 1/4 [57] MINIMUM FROM REAR FACE OF PRESS. THIS ALLOWS FOR CLEARANCE OF WATER CATCHER AND PRESS SLED WHEN EXTENDED.
11 EMERGENCY STOPS ARE LOCATED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE.
10 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.
*9 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.
8 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.
7 SEE INTERFACING DIMENSIONAL DRAWING FOR RELATIVE POSITIONING OF MACHINES AND HEIGHT OFF FLOOR.
6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL. (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.
5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.
4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.
3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.
2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.
1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

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

ATTENTION

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

COSHB111 (60K)

DIM 0 0.25M
INCHES 0 12
DWG# BDCOSHB1AE 2020205D

PELLERIN MILNOR CORPORATION
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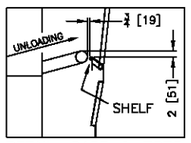
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER COSHB 112		COSHB112 DIMENSIONS						DIMENSION "D" 580XX DRYERS DIMENSION "D"		DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"		DIMENSION "C"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	-10 1/2	-267	–	–	–	–	0	0	0	0	24 1/2	622	134	3404	140	3556	56	1422	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	28	711	137 1/2	3493	143 1/2	3645	59 1/2	1511	60 1/2	1537	61	1549	61	1549
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	35	889	144 1/2	3581	150 1/2	3823	66 1/2	1689	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	38 1/2	978	148	3747	154	3912	70	1778	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	42	1067	151 1/2	3849	157 1/2	4001	73 1/2	1867	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	45 1/2	1156	155	3937	161	4089	77	1956	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	49	1245	158 1/2	4026	164 1/2	4178	80 1/2	2045	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	56	1422	165 1/2	4204	171 1/2	4356	87 1/2	2223	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	63	1600	172 1/2	4382	178 1/2	4534	94 1/2	2400	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	70	1778	179 1/2	4559	185 1/2	4712	101 1/2	2578	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	77	1956	186 1/2	4737	192 1/2	4890	108 1/2	2756	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	84	2134	193 1/2	4915	199 1/2	5067	115 1/2	2934	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	91	2311	200 1/2	5093	206 1/2	5245	122 1/2	3112	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		98	2489	207 1/2	5271	213 1/2	5423	129 1/2	3289	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		105	2667	214 1/2	5448	220 1/2	5601	136 1/2	3467	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		112	2845	221 1/2	5626	227 1/2	5779	143 1/2	3645	144 1/2	3670	145	3683	145	3683

MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 9

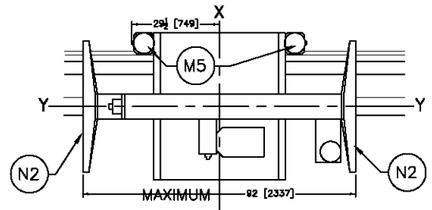
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)
HOIST MOTOR "FACING PRESS" M1

DRYER MODEL NO.	DIMENSION "H" INCHES	mm
50040	31	787
58040	27	686
58058	27	686
58080	27 1/2	699
6458	26	660
7272	26	660

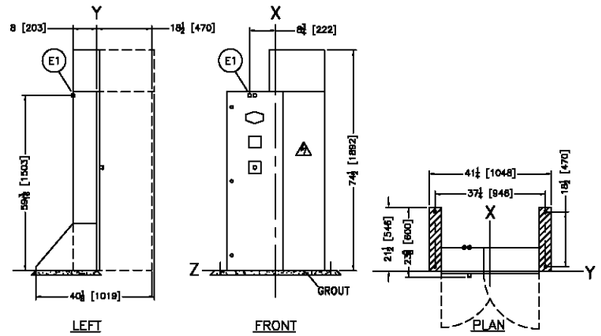
ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH.
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR, ALTERNATES LEFT/RIGHT PER LEVEL.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E2	EMERGENCY STOP BUTTON. SEE NOTE 12.
E1	ELECTRICAL & CONTROL CABLE CONNECTIONS FOR REMOTE SHUTTLE CONTROL BOX
C2	POSITION OF ROLLER ON MILNOR COELF111 WHEN LOADING.
C1	POSITION OF ROLLER ON MILNOR DRYER WHEN DISHARGING.



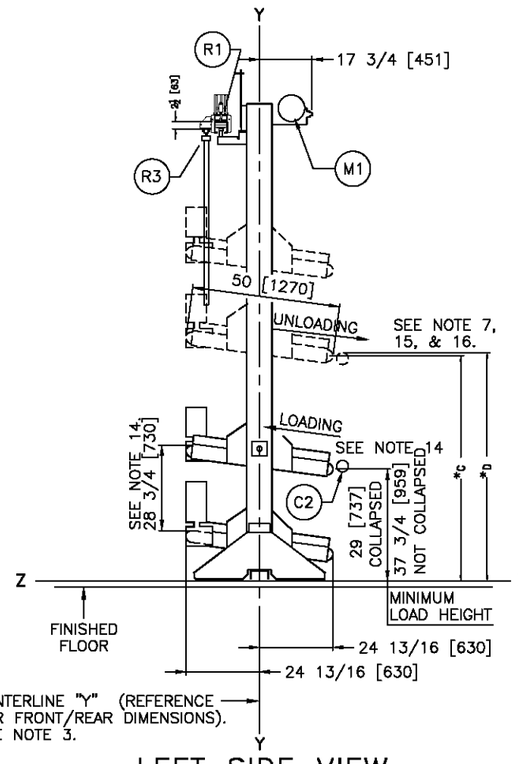
DETAIL: 6458 & 7272
SHELF LOADING ONLY



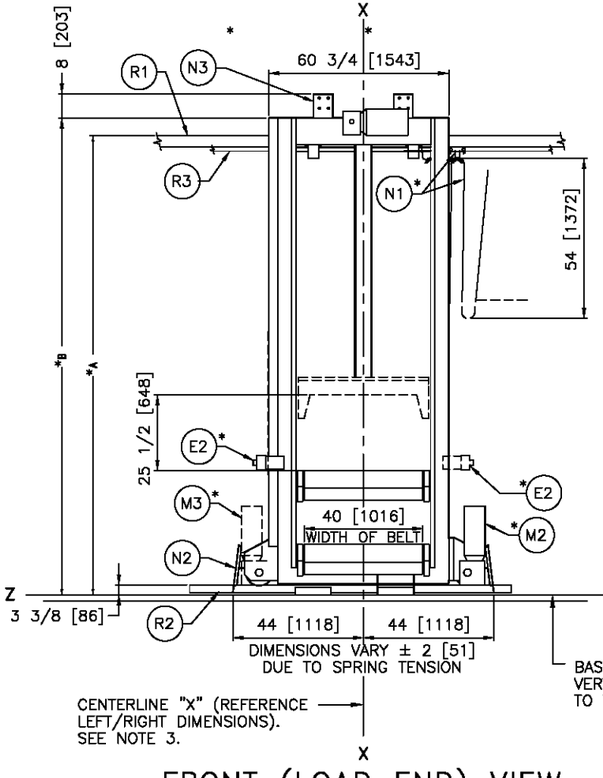
PLAN VIEW



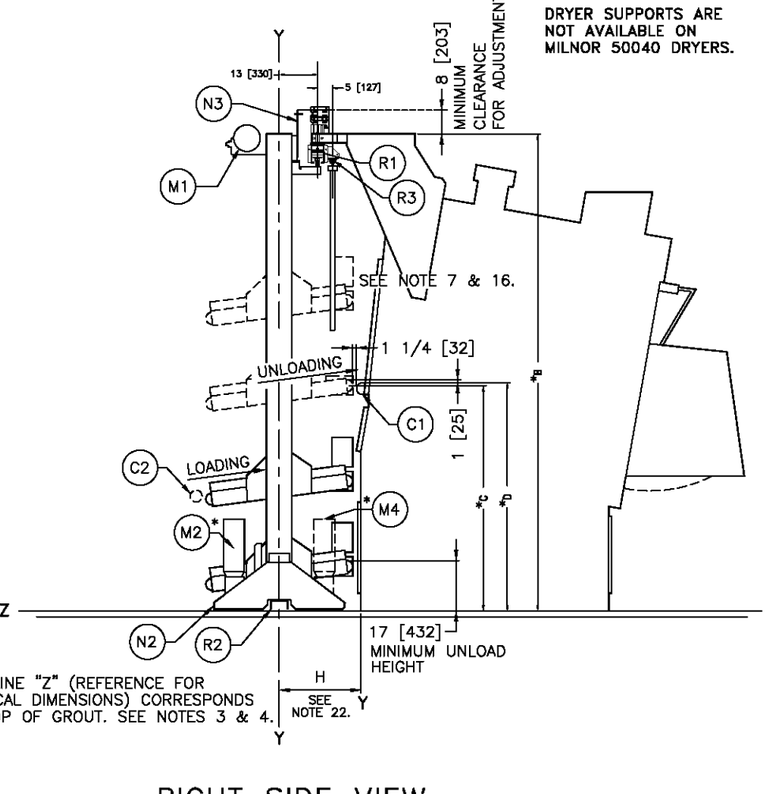
REMOTE MOUNT SHUTTLE CONTROL BOX



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

DRYER SUPPORTS ARE NOT AVAILABLE ON MILNOR 50040 DRYERS.

NOTES

22 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO "Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING
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20 SEE BDCOSHB2CB FOR DIMENSIONS OF HORIZONTAL BED AND VARIABLE SPEED OPTIONS.
19 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.
18 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.
18 SEE BDLTRCLRBE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.
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COSHB112 (60K CAKES)

DWG# BDCOSHB2CE 2020205D

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

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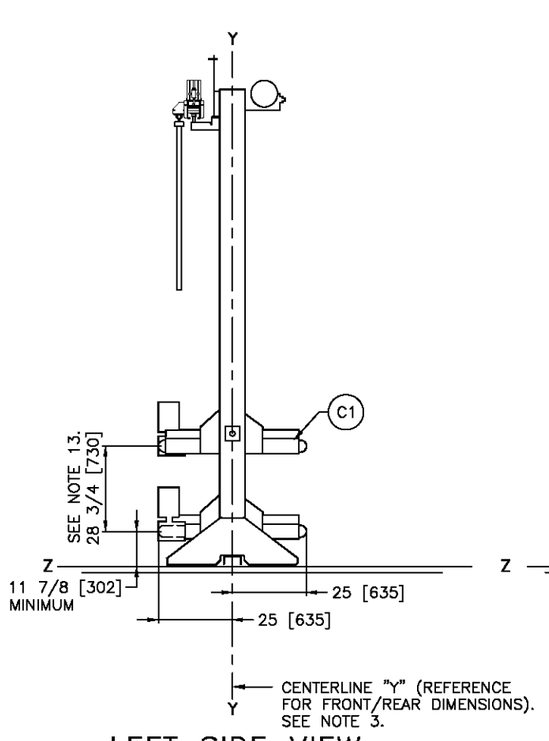
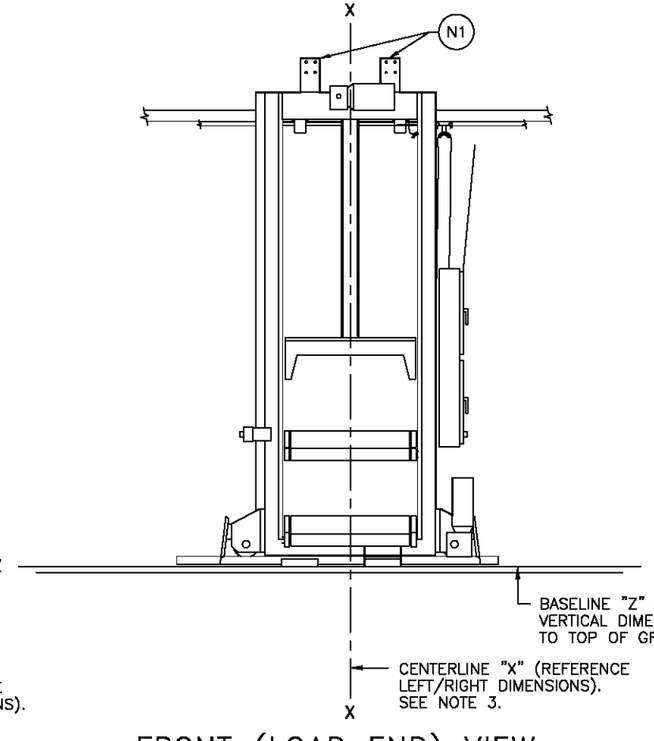
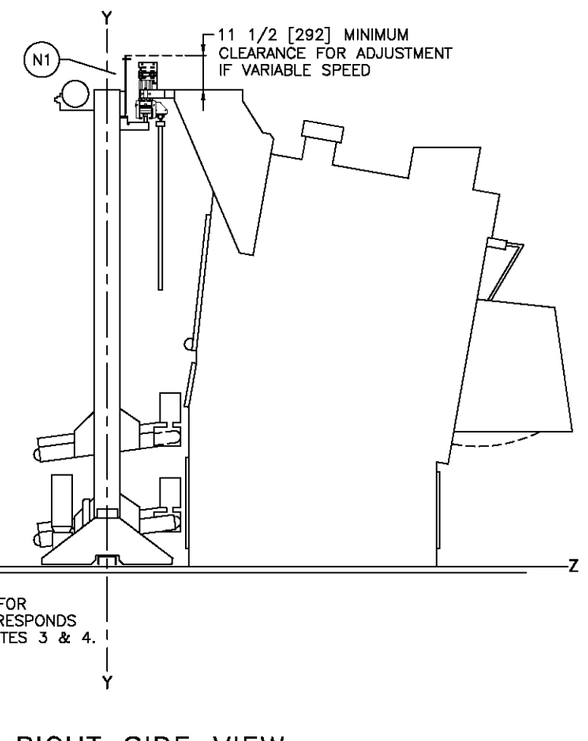


LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

N1	MOUNTING BRACKET FOR STOP SWITCH
C1	HORIZONTAL BEDS
ITEM	LEGEND

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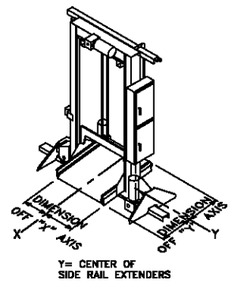
COSHB112 OPTIONS (60K CAKES)

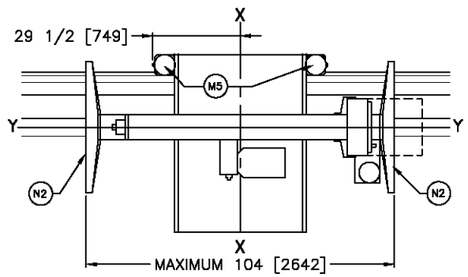
DM 0 0.5M
INCHES 0 12 24

DWG# BDCOSHB2CB 2020205D

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

WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDERS		RESULTING COSHJ111 DIMENSIONS						DIMENSION "D" 580XX DRYERS LOAD HEIGHT		DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"		DIMENSION "C"					
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	162	4115	168	4267	106 1/2	2705	104 1/2	2654	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	169	4293	175	4445	113 1/2	2883	111 1/2	2832	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	176	4470	182	4623	120 1/2	3061	118 1/2	3010	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	183	4648	189	4801	127 1/2	3239	125 1/2	3188	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	N/A	N/A	N/A	N/A	80 1/2	2045	190	4826	196	4978	134 1/2	3416	132 1/2	3366	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	N/A	N/A	N/A	N/A	87 1/2	2223	197	5004	203	5156	141 1/2	3594	139 1/2	3543	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	N/A	N/A	N/A	N/A	N/A	N/A	94 1/2	2400	204	5182	210	5334	148 1/2	3772	146 1/2	3721	145	3683	145	3683





PLAN VIEW

MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 9
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)
HOIST MOTOR "FACING PRESS" M1

DRYER MODEL NO.	DIMENSION "H" INCHES	mm
50040	30 1/8	765
58040	27	686
58058	27	686
58080	27 5/8	702
6458	25 1/4	641
7272	25 1/4	641

ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY
	BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH.
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS SUPPLIED BY MILNOR
	AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR
	NUMBER OF CARS.
M5	BELT MOTOR, ALTERNATES LEFT/RIGHT PER LEVEL.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND
	LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND
	LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND
	LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 12.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION. (LEFT
	HAND POSITION "DASHED")
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION.
	(LEFT HAND POSITION "DASHED")
C1	LOADING SHELF ON MILNOR DRYERS

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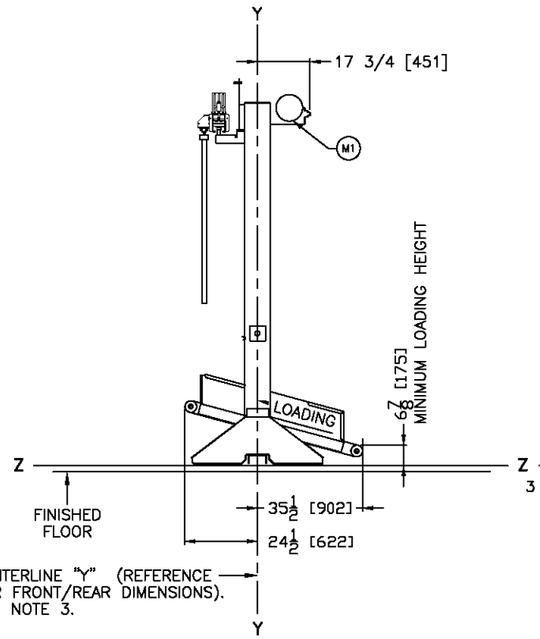
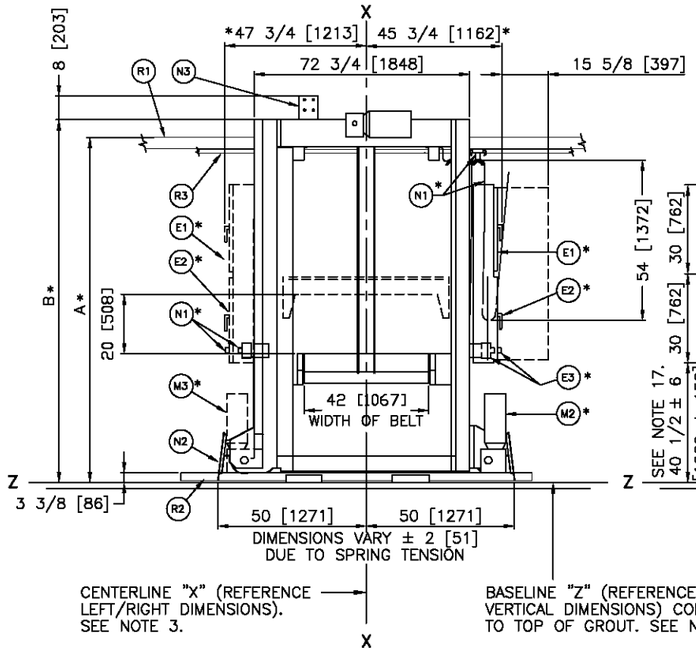


CENTERLINE "Y" (REFERENCE FOR FRONT/REAR DIMENSIONS). SEE NOTE 3.

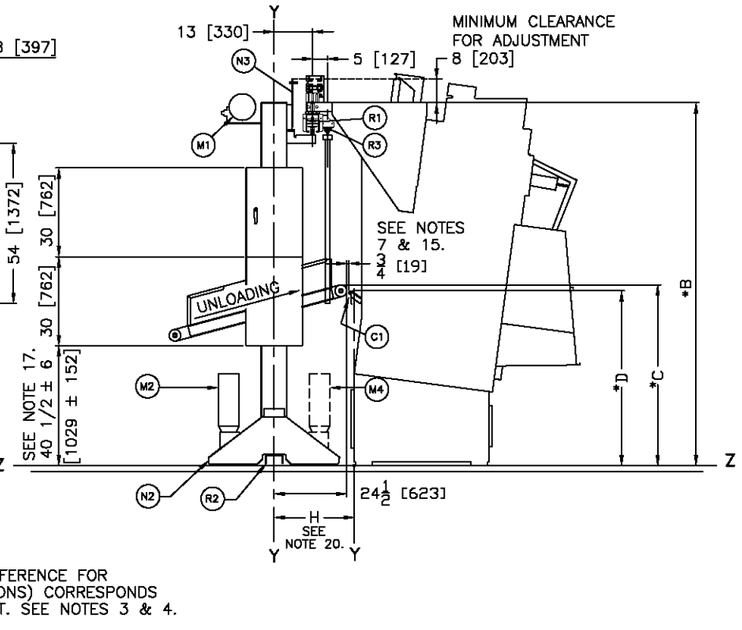
LEFT SIDE VIEW



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

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

FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

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10 COSHJ MODEL NUMBER 112 DESCRIBES THE NUMBER OF CAKES THE CONVEYOR CAN ACCOMMODATE; ONE (60K/42"[1067] DIA.) CAKE ON THE CONVEYOR'S WIDTH, ONE (60K/42"[1067] DIA.) CAKE ON THE CONVEYORS' LENGTH AND TWO LEVELS OF CONVEYORS FOR A TOTAL OF TWO (60K/42"[1067] DIA.) CAKES.
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1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

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

ATTENTION

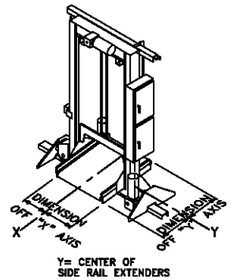
THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS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

COSHJ111 (60K CAKES)

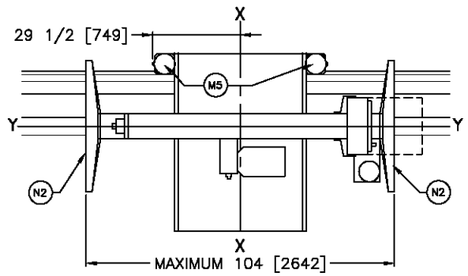
DWG# BDCOSHJ1BE 2020205D

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

WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDERS		RESULTING COSHJ112 DIMENSIONS						DIMENSION "D" 580XX DRYERS LOAD HEIGHT		DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"		DIMENSION "C"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	162	4115	168	4267	106 1/2	2705	104 1/2	2654	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	169	4293	175	4445	113 1/2	2883	111 1/2	2832	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	176	4470	182	4623	120 1/2	3061	118 1/2	3010	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	183	4648	189	4801	127 1/2	3239	125 1/2	3188	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	N/A	N/A	N/A	N/A	80 1/2	2045	190	4826	196	4978	134 1/2	3416	132 1/2	3366	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	N/A	N/A	N/A	N/A	87 1/2	2223	197	5004	203	5156	141 1/2	3594	139 1/2	3543	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	N/A	N/A	N/A	N/A	N/A	N/A	94 1/2	2400	204	5182	210	5334	148 1/2	3772	146 1/2	3721	145	3683	145	3683



Y= CENTER OF SIDE RAIL EXTENDERS

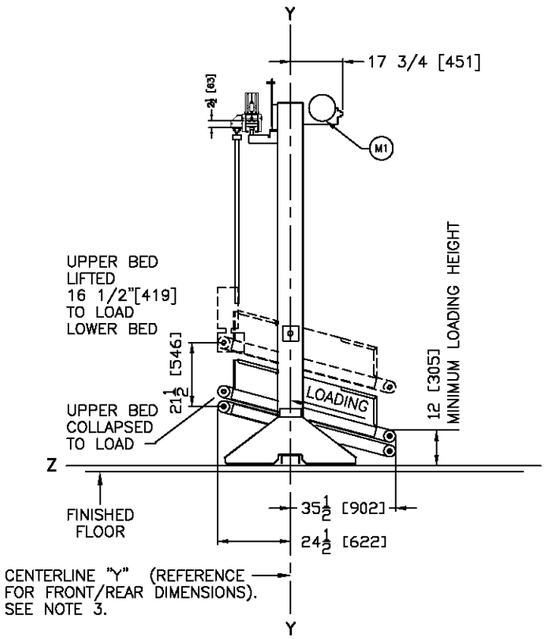


PLAN VIEW

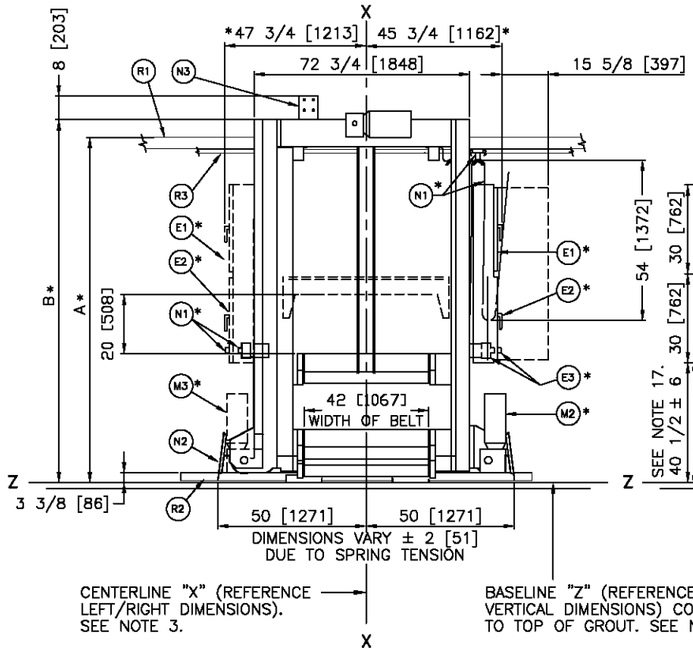
MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 9
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)
HOIST MOTOR "FACING PRESS" M1

DRYER MODEL NO.	DIMENSION "H" INCHES	DIMENSION "H" mm
50040	30 1/8	765
58040	27	686
58058	27	686
58080	27 5/8	702
6458	25 1/4	641
7272	25 1/4	641

ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY
	BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH.
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS SUPPLIED BY MILNOR
	AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR
	NUMBER OF CARS.
M5	BELT MOTOR, ALTERNATES LEFT/RIGHT PER LEVEL.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND
	LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND
	LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND
	LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 12.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION. (LEFT
	HAND POSITION "DASHED")
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION.
	(LEFT HAND POSITION "DASHED")
C1	LOADING SHELF ON MILNOR DRYERS

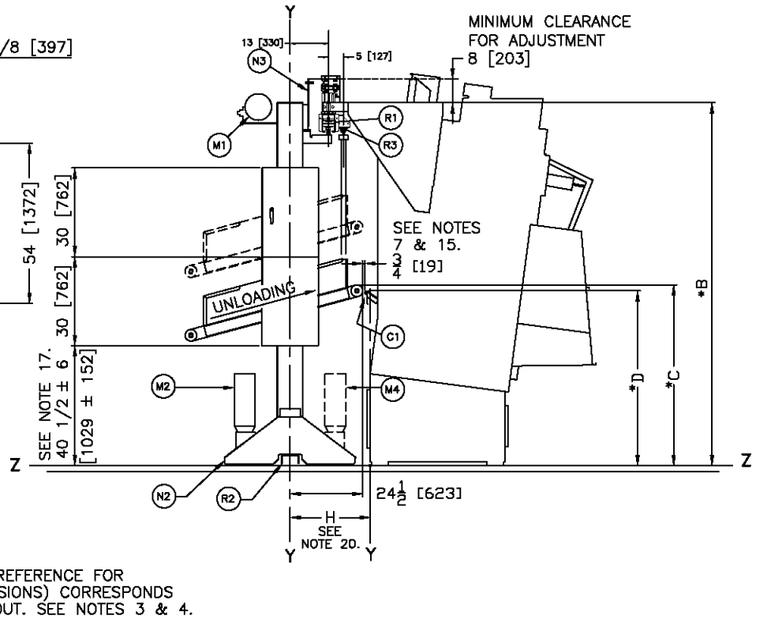


LEFT SIDE VIEW



FRONT (LOAD END) VIEW

DRYER SUPPORTS ARE NOT AVAILABLE ON MILNOR 50040 DRYERS.



RIGHT SIDE VIEW

NOTES
20 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO"Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING
19 DRYER SUPPORTS ARE NOT AVAILABLE ON MILNOR 50040 DRYERS. CEILING OR FREESTAND SUPPORTS CAN BE USED. FIELD INNOVATION IS REQUIRED, INCLUDING VERIFICATION BY COMPETENT OTHER PERSONS THAT THE CEILING IS ADEQUATE TO SUPPORT AND STEADY THE LOAD. THIS IS NOT THE RESPONSIBILITY OF PMC.
18 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.
17 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.
16 SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.
15 CAUTION – BELT END ROLLER MUST BE 2" [51] ABOVE DRYER SHELF AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER SHELF WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.
14 THE COSHJ112 CAN BE LOADED DIRECTLY FROM THE SINGLE STAGE PRESS. LOADING THE TOP BED IN ITS COLLAPSED POSITION, THEN ELEVATING TO LOAD THE LOWER BED.
13 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.
12 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.
11 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.
10 COSHJ MODEL NUMBER 112 DESCRIBES THE NUMBER OF CAKES THE CONVEYOR CAN ACCOMMODATE: ONE (60K/42"[1067] DIA.) CAKE ON THE CONVEYOR'S WIDTH, ONE (60K/42"[1067] DIA.) CAKE ON THE CONVEYORS' LENGTH AND TWO LEVELS OF CONVEYORS FOR A TOTAL OF TWO (60K/42"[1067] DIA.) CAKES.
*9 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.
8 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.
7 SEE INTERFACING DIMENSIONAL DRAWING FOR RELATIVE POSITIONING OF MACHINES AND HEIGHT OFF FLOOR.
6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS: 36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL. 42 [1067] IF OBJECT IS A GROUNDED WALL (ie. BARE CONCRETE, BRICK, ETC.) 48 [1219] IF OBJECT IS ANY LIVE PART. CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.
5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.
4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.
3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.
2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.
1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

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COSHJ112 (60K CAKES)

DWG# BDCOSHJ2BE 2020205D

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

WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDERS		RESULTING COSHK112 DIMENSIONS						DIMENSION "D" 580XX DRYERS LOAD HEIGHT		DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"		DIMENSION "C"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
		-10 1/2	267	–	–	–	–	0	0	0	0	7	178	116 1/2	2959	122 1/2	3112	61	1549	59	1499	57 1/2	1480	57 1/2	1460
–	–	–7	–178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	120	3048	126	3200	64 1/2	1638	62 1/2	1588	61	1549	61	1549
–7	–178	0	0	–	–	–	–	10 1/2	267	10 1/2	287	17 1/2	356	127	3228	133	3378	71 1/2	1816	69 1/2	1765	68	1727	68	1727
–3 1/2	–89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	130 1/2	3315	136 1/2	3467	75	1905	73	1854	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	134	3404	140	3556	78 1/2	1994	76 1/2	1943	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	137 1/2	3493	143 1/2	3645	82	2083	80	2032	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	141	3581	147	3734	85 1/2	2172	83 1/2	2121	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	148	3759	154	3912	92 1/2	2350	90 1/2	2299	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	155	3937	161	4089	99 1/2	2527	97 1/2	2477	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	162	4115	168	4267	106 1/2	2705	104 1/2	2654	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	169	4293	175	4445	113 1/2	2883	111 1/2	2832	110	2794	110	2794
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49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	183	4648	189	4801	127 1/2	3239	125 1/2	3188	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	N/A	N/A	N/A	N/A	80 1/2	2045	190	4826	196	4978	134 1/2	3416	132 1/2	3366	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	N/A	N/A	N/A	N/A	87 1/2	2223	197	5004	203	5156	141 1/2	3594	139 1/2	3543	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	N/A	N/A	N/A	N/A	N/A	N/A	94 1/2	2400	204	5182	210	5334	148 1/2	3772	146 1/2	3721	145	3683	145	3683

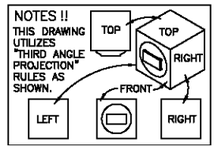
MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 9

BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF SHOWN) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF SHOWN)
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF SHOWN)

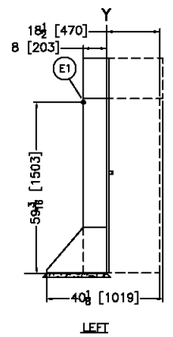
HOIST MOTOR "FACING PRESS" M1

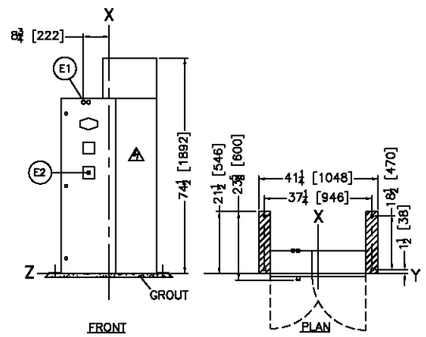
DRYER MODEL NO.	DIMENSION "H" INCHES	mm
50040	30 3/8	772
58040	27 1/4	692
58058	27 1/4	692
58080	27 7/8	708
6458	25 1/2	648
7272	25 1/2	648

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

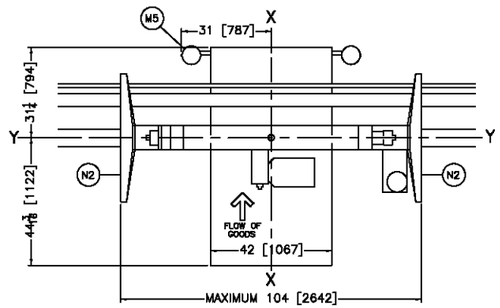


ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH.
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR, ALTERNATES LEFT/RIGHT PER LEVEL.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E2	EMERGENCY STOP BUTTON, SEE NOTE 12.
E1	ELECTRICAL & CONTROL CABLE CONNECTIONS FOR REMOTE SHUTTLE CONTROL BOX
C2	LOAD DOOR SHELF
C1	LOADING ROLLER ON MILNOR DRYERS

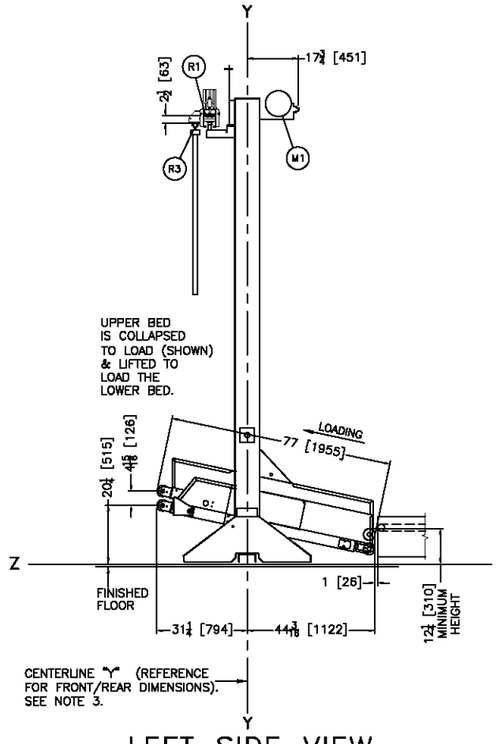




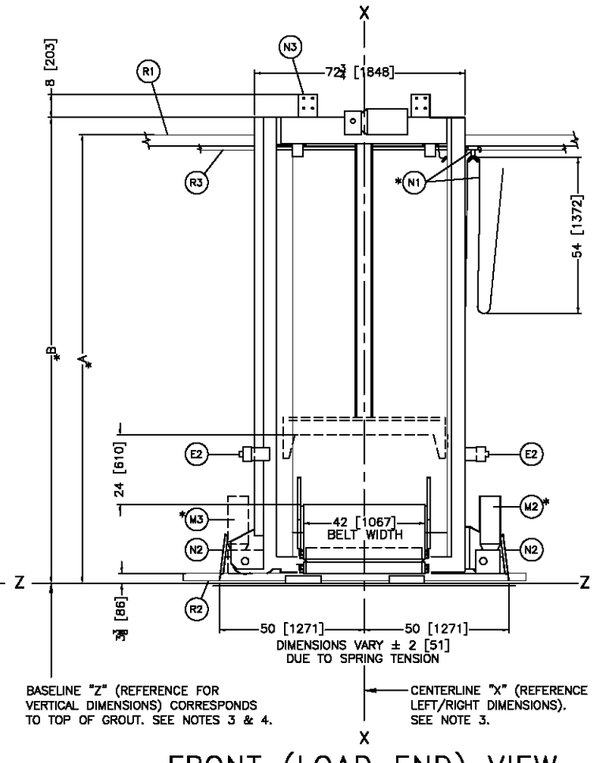
REMOTE MOUNT SHUTTLE CONTROL BOX
SEE NOTE 22.



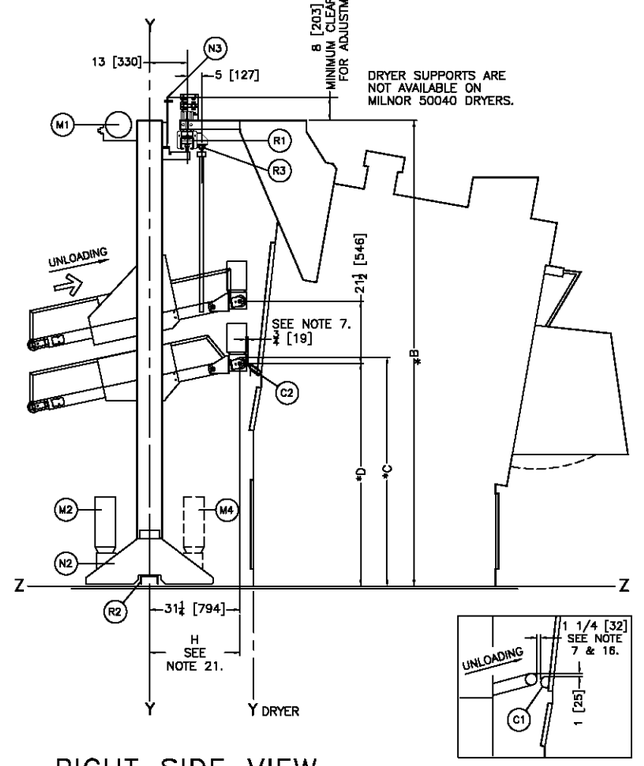
PLAN VIEW



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

DETAIL: DRYER ROLLER

NOTES

22 CONTROLS FOR THE COSHN SHUTTLE ARE CONTAINED IN THIS REMOTELY MOUNTED SHUTTLE CONTROL BOX WHICH MUST BE PLACED IN THE EQUIPMENT LAYOUT.
21 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO "Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING
20 DRYER SUPPORTS ARE NOT AVAILABLE ON MILNOR 50040 DRYERS. CEILING OR FREESTAND SUPPORTS CAN BE USED. FIELD INNOVATION IS REQUIRED, INCLUDING VERIFICATION BY COMPETENT OTHER PERSONS THAT THE CEILING IS ADEQUATE TO SUPPORT AND STEADY THE LOAD. THIS IS NOT THE RESPONSIBILITY OF PMC.
19 SEE BOLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.
18 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.
18 SEE BOLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.
16 CAUTION – BELT END ROLLER MUST BE 1 [25] ABOVE DRYER ROLLER AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER ROLLER WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.
15 COSHK112 WAS DESIGNED TO WORK WITH 60K CAKES AND 58080 DRYER. THE COSHK112 IS TALLER AND REQUIRES HIGHER MOUNTED SUPPORT RAIL THAN FOR STANDARD COSHA RAIL. EXTRA HEIGHT WAS NEEDED TO ACCOMMODATE THE 60K CAKES AS WELL AS THE 7 [178] HIGHER LOAD HEIGHT OF THE 58080 DRYER.
14 THE COSHK112 CAN BE LOADED DIRECTLY FROM THE SINGLE STAGE PRESS. LOADING THE TOP BED IN ITS COLLAPSED POSITION, THEN ELEVATING TO LOAD THE LOWER BED.
13 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.
12 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. AN EMERGENCY STOPS IS ALSO INSTALLED INTO THE DOOR OF THE THE REMOTE MOUNT CONTROL BOX.
11 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.
10 COSHK MODEL NUMBER 112 DESCRIBES THE NUMBER OF CAKES THE CONVEYOR CAN ACCOMMODATE: ONE (60K/42"[1067 DIA.) CAKE ON THE CONVEYOR'S WIDTH, ONE (60K/42"[1067] DIA.) CAKE ON THE CONVEYORS' LENGTH AND TWO LEVELS OF CONVEYORS FOR A TOTAL OF TWO (60K/42"[1067] DIA.) CAKES.
*9 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.
8 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.
7 SEE INTERFACING DIMENSIONAL DRAWING FOR RELATIVE POSITIONING OF MACHINES AND HEIGHT OFF FLOOR.
6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
42 [1067] IF OBJECT IS A GROUNDED WALL. (ie. BARE CONCRETE, BRICK, ETC.)
48 [1219] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.
5 CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT DISCONNECT (SAFETY) SWITCHES WITH LAG TYPE FUSES FROM POWER SOURCE TO MACHINE. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM DISCONNECT TO EQUIPMENT.
4 BASELINE "Z" IS THE SAME FOR ALL MILNOR MACHINES AND IS SHOWN ON ALL DIMENSIONAL DRAWINGS. THE DISTANCE BETWEEN BASELINE "Z" AND THE FINISHED FLOOR MAY VARY (WITH CHANGES IN FLOOR HEIGHT) AS REQUIRED TO INSURE THAT BASELINE "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.
3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.
2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.
1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.

ATTENTION

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

ATTENTION

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

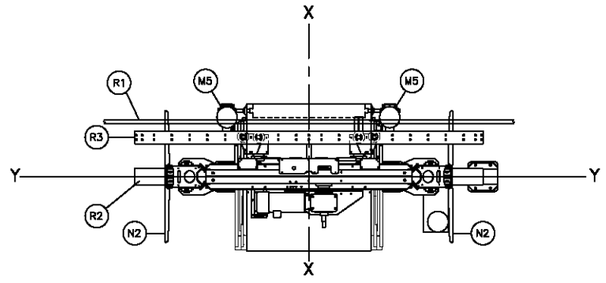
COSHK112 (60K CAKES)

DM 0 0.5M 1M
INCHES 0 12 24 36

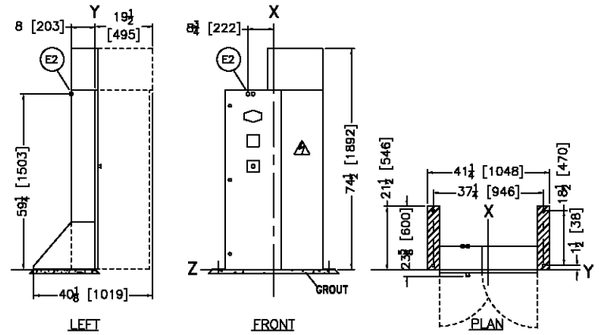
DWG# BDCOSHK2AE 2020205D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9291,
FAX 504/469-1849, Telex ITT 460124/PELM UI, Cable PELMILNOR

WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH 6464 DRYERS		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH 6458 DRYERS		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5805BTG2/TS1		USE THIS SIDE RAIL EXTENDERS		RESULTING COSHX112 DIMENSIONS						DIMENSION "D" 5858TG2/TS1 LOAD HEIGHT		DIMENSION "D" 6458 DRYERS LOAD HEIGHT		DIMENSION "D" 6464 DRYERS LOAD HEIGHT	
								DIMENSION "A"		DIMENSION "B"		DIMENSION "C"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
17 1/2	444	17 1/2	444	14	356	35	889	144 1/2	3670	151	3835	89	2261	87	2210	85 1/2	2172	86	2184
21	533	21	533	17 1/2	444	38 1/2	978	148	3759	154 1/2	3924	92 1/2	2349	90 1/2	2299	89	2261	89 1/2	2273
28	711	28	711	24 1/2	622	45 1/2	1156	155	3937	161 1/2	4102	99 1/2	2527	97 1/2	2477	96	2438	96 1/2	2451
35	889	35	889	31 1/2	800	52 1/2	1334	162	4115	168 1/2	4279	106 1/2	2705	104 1/2	2654	103	2616	103 1/2	2629
42	1067	42	1067	38 1/2	978	59 1/2	1511	169	4293	175 1/2	4458	113 1/2	2883	111 1/2	2832	110	2794	110 1/2	2807
49	1245	49	1245	45 1/2	1156	66 1/2	1689	176	4470	182 1/2	4636	120 1/2	3061	118 1/2	3010	117	2972	117 1/2	2984

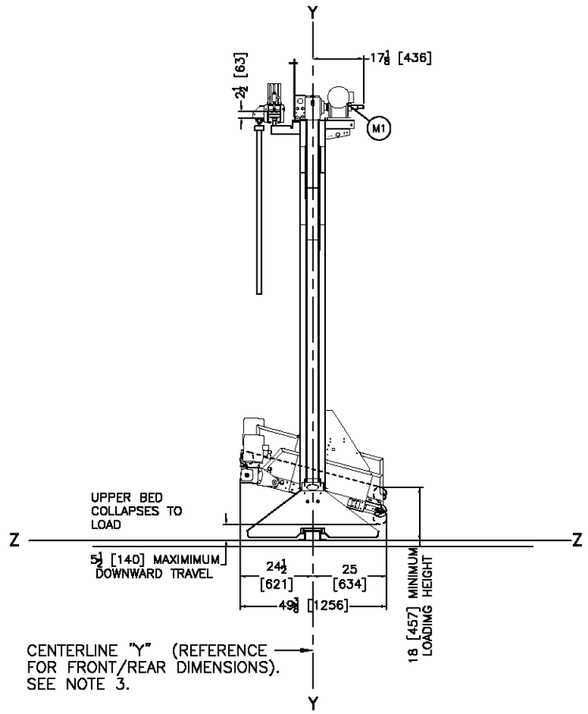


PLAN VIEW

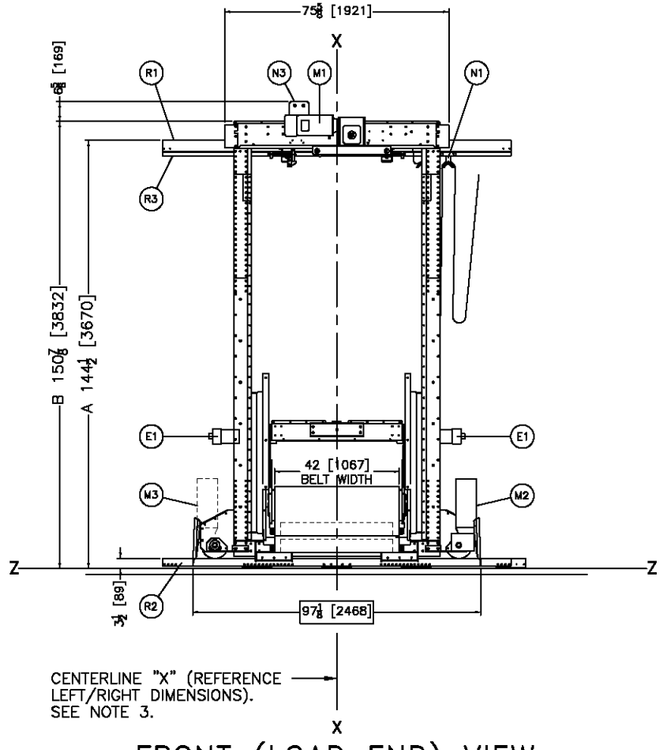


REMOTE MOUNT SHUTTLE CONTROL BOX

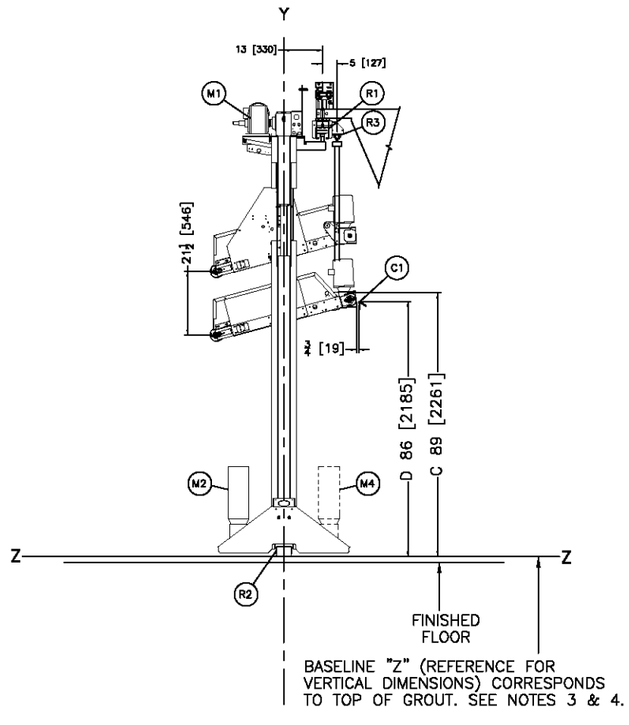
SEE NOTE 20.



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY
	BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH.
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS SUPPLIED BY MILNOR
	AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR
	NUMBER OF CARS.
M5	BELT MOTOR, ALTERNATES LEFT/RIGHT PER LEVEL.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND
	LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND
	LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND
	LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E2	ELECTRICAL & CONTROL CABLE CONNECTIONS FOR
	REMOTE SHUTTLE CONTROL BOX
E1	EMERGENCY STOP BUTTON. SEE NOTE 12.
C1	LOADING SHELF ON MILNOR DRYERS

NOTES

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18 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

17

16 SEE BDSHTCLRBE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

15 CAUTION – BELT END ROLLER MUST BE 2" [51] ABOVE DRYER SHELF AS SHOWN WHEN CAKE IS DISCHARGED INTO THE DRYER. IF BELT IS SET TOO LOW, THE DRYER SHELF WILL LIFT THE CAKE, CAUSING IT TO BREAK UP AND SOME PIECES MAY DROP ON FLOOR.

14 THE COSHX112 CAN BE LOADED DIRECTLY FROM THE SINGLE STAGE PRESS. LOADING THE TOP BED IN ITS COLLAPSED POSITION, THEN ELEVATING TO LOAD THE LOWER BED.

13 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

12 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

11 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

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

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COSHX112 (60K CAKES)

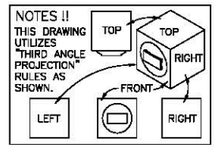
DM 0 0.5M
INCHES 0 12 24

DWG# BDCOSHX112AE
2020205D

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

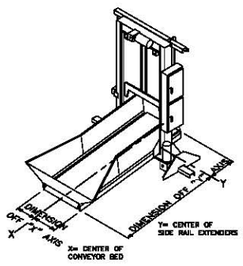
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER		CL4005/08/10CS				DIMENSION "D" 580XX DRYERS ROLLER LOAD HEIGHT		DIMENSION "C" 6458 DRYERS LOAD HEIGHT		DIMENSION "C" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
		−10 1/2	267	–	–	–	–	0	0	0	0	7	178	122 1/2	3112	116 1/2	2959	57	1448	57 1/2	1460	57 1/2	1460
–	–	−7	−178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	126	3200	120	3048	60 1/2	1537	61	1549	61	1549
−7	−178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	445	133	3378	127	3226	67 1/2	1715	68	1727	68	1727
−3 1/2	−89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	136 1/2	3467	130 1/2	3315	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	140	3556	134	3404	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	143 1/2	3645	137 1/2	3493	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	147	3734	141	3581	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	154	3912	148	3759	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	161	4089	155	3937	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	168	4267	162	4115	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	175	4445	169	4293	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	182	4623	176	4470	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	189	4800	183	4648	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		80 1/2	2045	196	4978	190	4826	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		87 1/2	2223	203	5156	197	5004	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		94 1/2	2400	210	5334	204	5182	144 1/2	3670	145	3683	145	3683

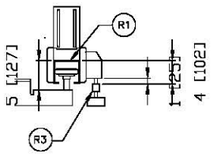
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



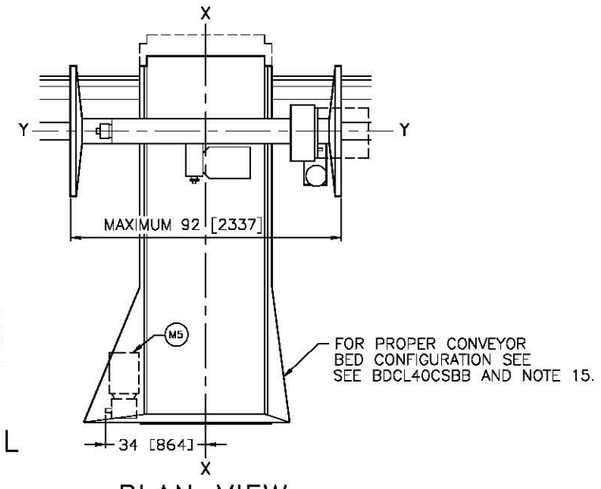
DRYER MODEL NO.	DIMENSION "H" INCHES	mm
50040	34 7/8	886
58040	30 7/8	784
58058	31	787
58080	31 1/2	800
6458	30	762
7272	30	762

ITEM	LEGEND
R4	DRYER MOUNTER RAIL SUPPORT, SEE NOTE 19.
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY
	BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY
	MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST
	FOR NUMBER OF CARS.
M5	BELT MOTOR
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND
	LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND
	LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND
	LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 10.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT
	HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT
	HAND POSITION "DASHED").
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER
	INTERFACE.
*A1	AIR VALVE BOX. ALWAYS UNDER ELECTRIC BOXES





UPPER RAIL DETAIL
SEE NOTE 16.



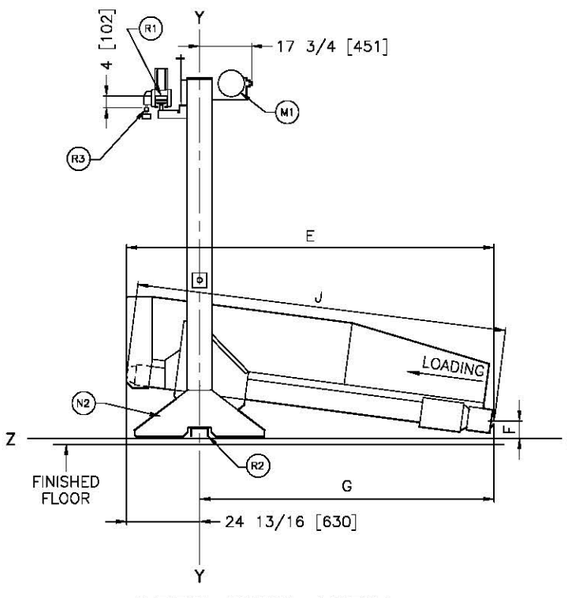
PLAN VIEW

DETAIL: 6458 & 7272
SHELF LOADING ONLY

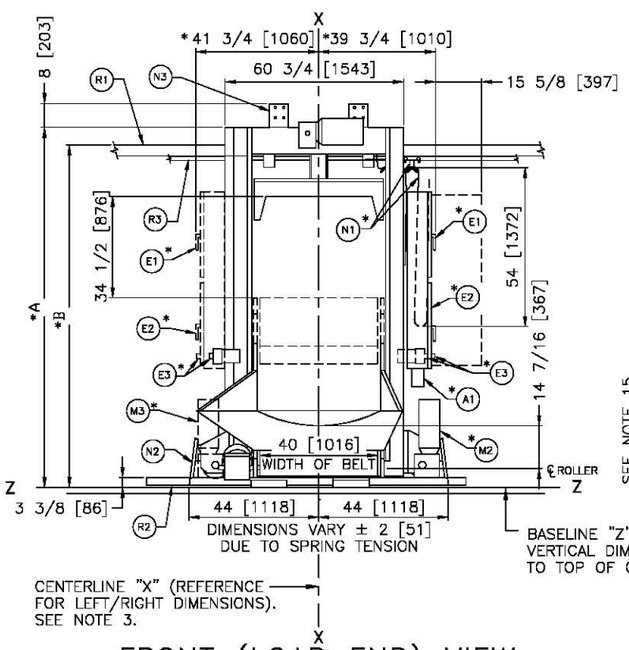
MOTOR, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 8.
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)
HOIST MOTOR ALWAYS IN "FACING PRESS" M1

DIMENSIONS THAT VARY WITH MACHINE MODEL

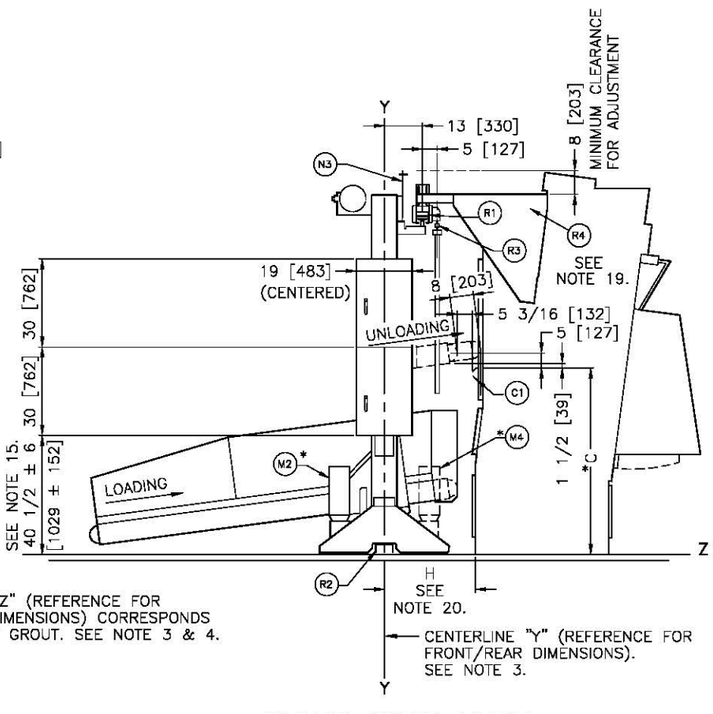
MODEL	DIMENSION "E" MINIMUM INCHES	mm	DIMENSION "F" MINIMUM INCHES	mm	DIMENSION "G" INCHES	mm	DIMENSION "J" INCHES	mm
4005	65 7/16	1662	15	381	40 5/8	1032	66	1676
4008	101 1/8	2568	9	229	76 5/16	1938	102	2591
4010	124 15/16	3173	6	152	100 1/8	2543	126	3200



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

NOTES

20 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO"Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING

19 DRYER RAIL SUPPORT SHOWN IS AVAILABLE ON 58040, 58058 & 58080 DRYERS ONLY. DRYER RAIL SUPPORTS NOT AVAILABLE FOR THE 6458 DRYER.

18 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL40CSBB AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

17 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

16 COMPRESSED AIR IS NEEDED ON ALL SHUTTLES THAT EXTEND/STIK, 1/2 [13] NPT.

15 SEE BDCL40CSBB FOR OPTIONS AND BED CONFIGURATIONS.

14 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

13 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.

12 SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

11 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

10 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

9 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

7 THE CL4005CS SHUTTLE CONFIGURATION IS AS FOLLOWS:
CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
05 = LENGTH OF BED (05=5'−6", 08=8'−6", 10=10'−6")
C = EXTENDS TO LOAD 0", STIKS TO DISCHARGE 8"
S = SINGLE BED

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

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

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

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

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

ATTENTION

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

ATTENTION

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

CL4005/08/10CS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BDCL40CSBE 20062550

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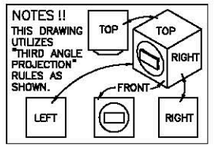
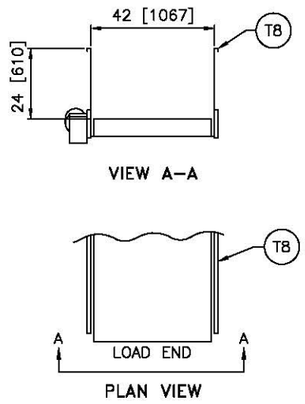
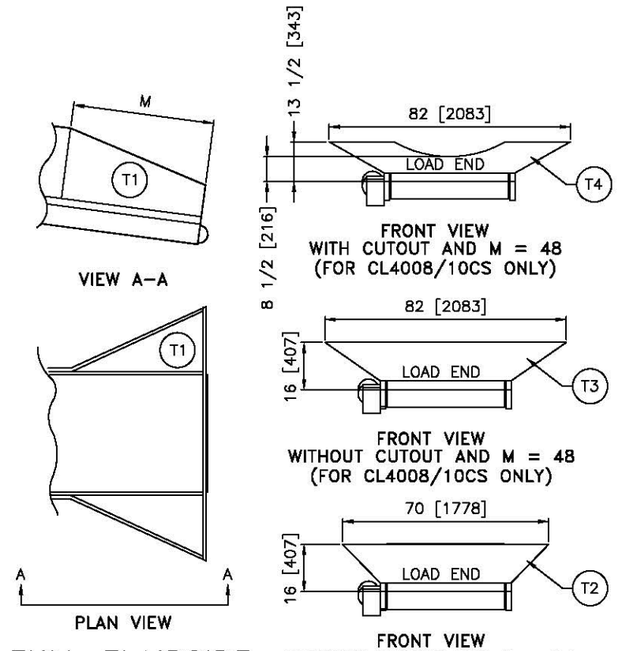
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467−9591, FAX 504/469−1849, Telex ITT 460124/PELM UI, Cable PELMILNOR

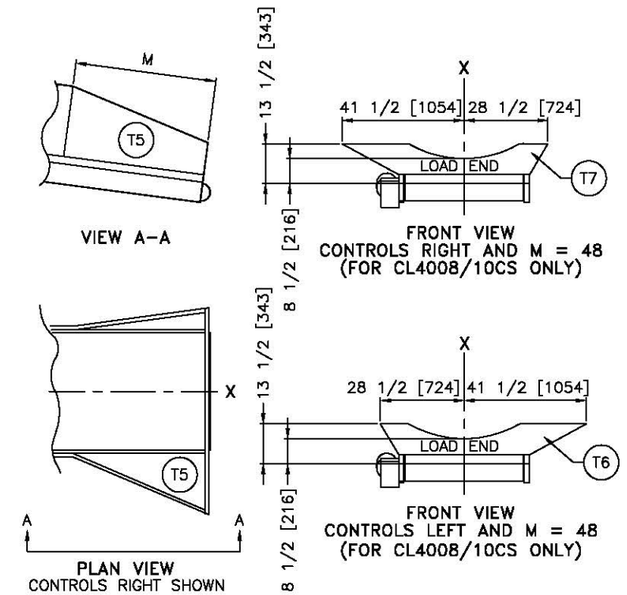




STRAIGHT SIDES



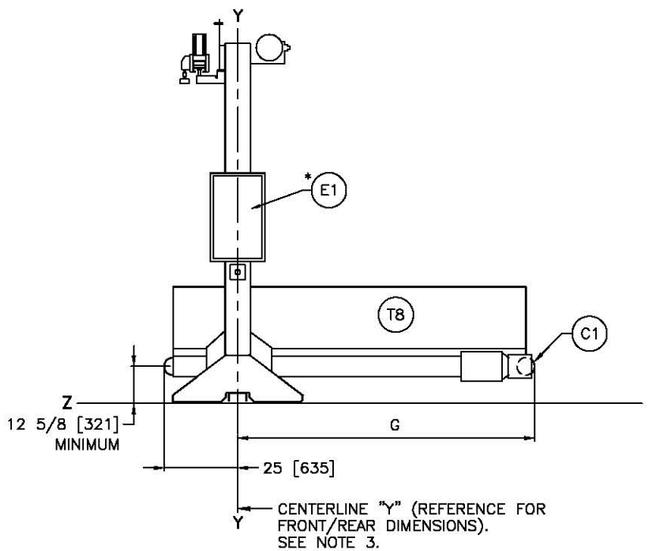
FULL FLAIRSIDE



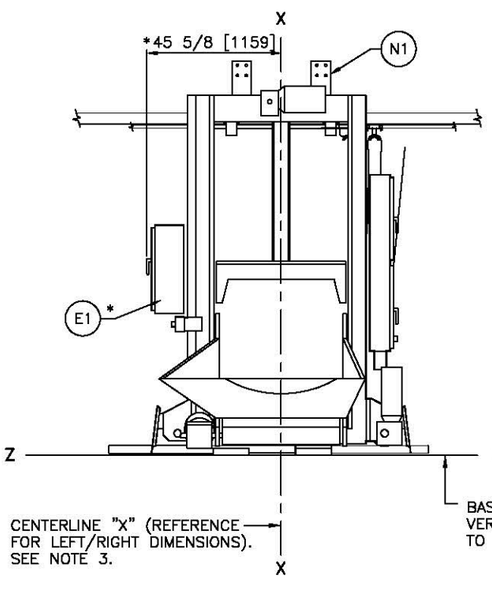
SHORT FLAIRSIDE

ITEM	LEGEND
T8	STRAIGHT SIDES, NO FLAIR.
T7	ENDGATE FOR SHORT FLAIR, CONTROLS RIGHT, WHEN USED.
T6	ENDGATE FOR SHORT FLAIR, CONTROLS LEFT, WHEN USED.
T5	SHORT FLAIRSIDE, ALWAYS SHORTER ON CONTROL SIDE.
T4	ENDGATE WITH CUTOUT FOR FULL FLAIRSIDE, M = 48, WHEN USED.
T3	ENDGATE FOR FULL FLAIRSIDE, M = 48, WHEN USED.
T2	ENDGATE FOR FULL FLAIRSIDE, M = 24, WHEN USED.
T1	FULL FLAIRSIDE.
N1	BELT MOTOR
*E1	VARIABLE SPEED BOX
C1	HORIZONTAL BED, MINIMUM LOAD HEIGHT "F" IS 18 [457].

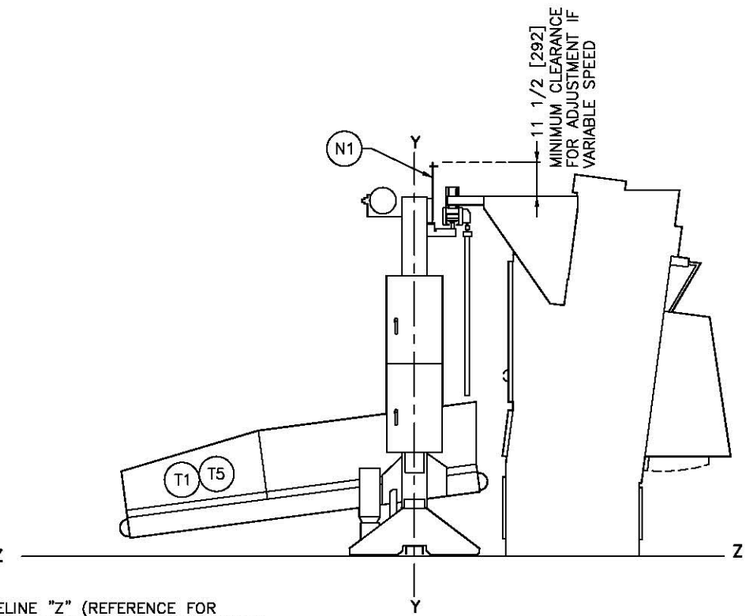
SHUTTLE MODEL NO.	DIMENSION "G" INCHES	mm
CL4005CS	41	1041
CL4008CS	77	1956
CL4010CS	101	2565



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

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CL4005/08/10CS OPTIONS

DWG# BDCL40CSBB 96418D

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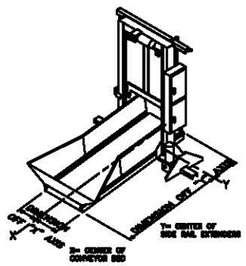
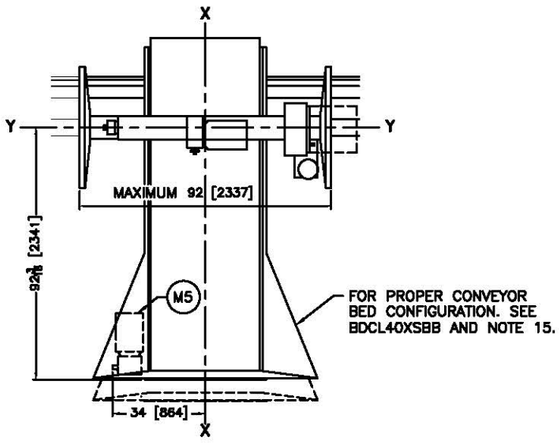
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER		CL4005/08/10GS				DIMENSION "D" 580XX DRYERS ROLLER LOAD HEIGHT		DIMENSION "C" 6458 DRYERS LOAD HEIGHT		DIMENSION "C" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"					
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
		−10 1/2	267	–	–	–	–	0	0	0	0	7	178	122 1/2	3112	116 1/2	2959	57	1448	57 1/2	1460	57 1/2	1460
–	–	−7	−178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	126	3200	120	3048	60 1/2	1537	61	1549	61	1549
−7	−178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	445	133	3378	127	3226	67 1/2	1715	68	1727	68	1727
−3 1/2	−89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	136 1/2	3467	130 1/2	3315	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	140	3556	134	3404	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	143 1/2	3645	137 1/2	3493	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	147	3734	141	3581	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	154	3912	148	3759	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	161	4089	155	3937	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	168	4267	162	4115	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	175	4445	169	4293	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	182	4623	176	4470	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	189	4801	183	4648	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		80 1/2	2045	196	4978	190	4826	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		87 1/2	2223	203	5156	197	5004	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		94 1/2	2400	210	5334	204	5182	144 1/2	3670	145	3683	145	3683

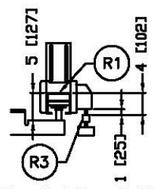


DIMENSIONS THAT VARY WITH MACHINE MODEL							
MODEL	DIMENSION "F" MINIMUM		DIMENSION "G"		DIMENSION "J"	
	INCHES	mm	INCHES	mm	INCHES	mm
CL4005GS	9	229	32 5/8	829	66	1676
CL4008GS	6	152	68 3/16	1735	102	2591
CL4010GS	6	152	92 1/8	2340	126	3200

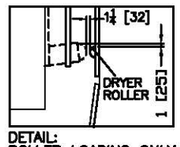


PLAN VIEW

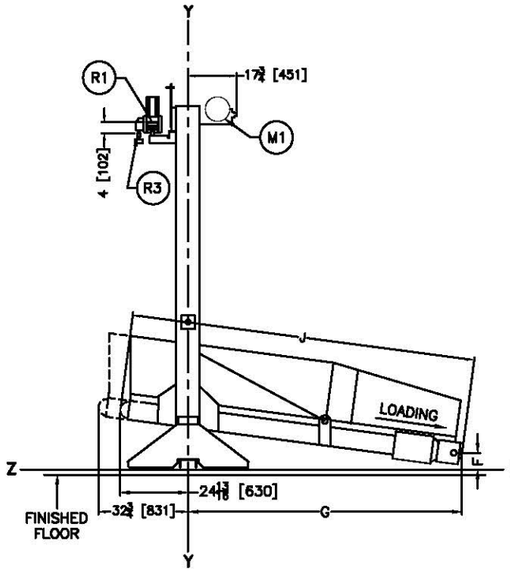
MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 8.
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2 BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4 BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3 BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
CONTROLS RIGHT (SOLID) E1, E2 CONTROLS LEFT (DASHED) E1, E2
FESTOON RIGHT (SOLID) N1 FESTOON LEFT (REVERSE OF ABOVE)
HOIST MOTOR ALWAYS IN "FACING PRESS" M1



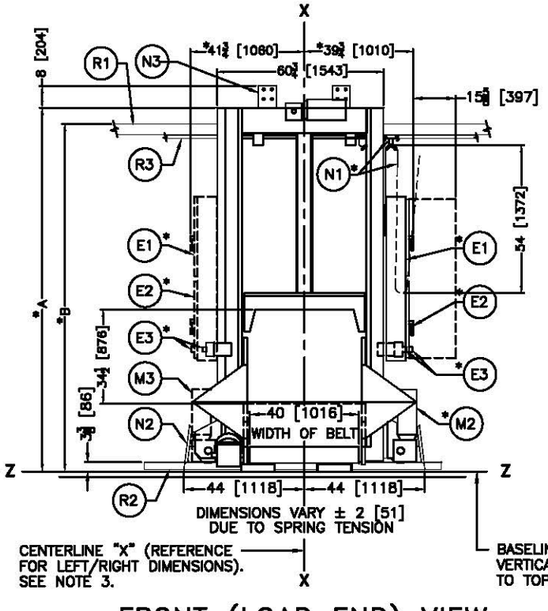
UPPER RAIL DETAIL



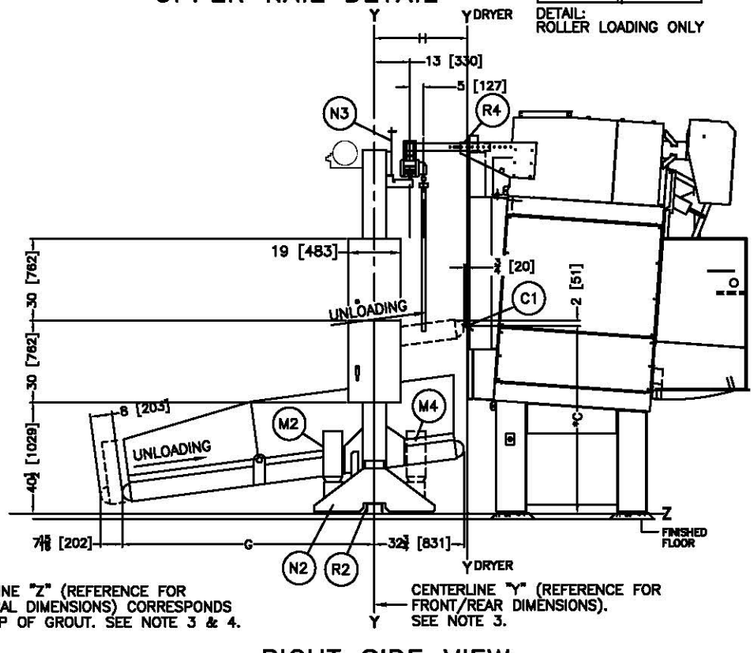
DETAIL:
ROLLER LOADING ONLY



LEFT SIDE VIEW

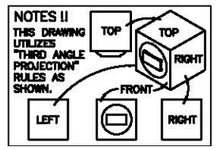


FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

R4	DRYER MOUNTED RAIL SUPORT
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY
	BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY
	MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST
	FOR NUMBER OF CARS.
M5	BELT MOTOR
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND
	LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND
	LOCATION.
*M2	BOTTOM DRIVE MOTOR IN STANDARD "FACING PRESS" LEFT
	HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 10.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT
	HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT
	HAND POSITION "DASHED").
C1	POSITION OF MILNOR DRYER LOAD SHELF
ITEM	LEGEND



DRYER MODEL NO.	DIMENSION "H"	
	INCHES	mm
50040	31	991
58040	35	889
58058	35	889
58080	35 1/2	902
6458	34	864
7272	34	864

NOTES

17 DIMENSION "Y" IS FROM "Y" OF THE SHUTTLE TO "Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING

16 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

15 SEE BDCL40XSBB FOR DIMENSIONS OF HORIZONTAL BED, BED CONFIGURATION, AND VARIABLE SPEED OPTIONS.

14 SEE BOLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

13 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.

12 SEE BOLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

11 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

10 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

9 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

7 THE CL4005GS SHUTTLE CONFIGURATION IS AS FOLLOWS:
CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
05 = LENGTH OF BED (05=5'-8", 08=8'-8", 10=10'-8")
G = EXTENDS TO LOAD 8", STIKS TO DISCHARGE 0"
S = SINGLE BED

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

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

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

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

2 NUMBERS IN BRACKETS [ ] DENOTE DIMENSIONS IN MILLIMETERS.

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

ATTENTION

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

ATTENTION

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

CL4005/08/10GS

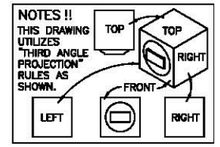
DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BDCL40GSAE 2008316D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Telex ITT 460124/PELN UI, Cable PELMILNOR

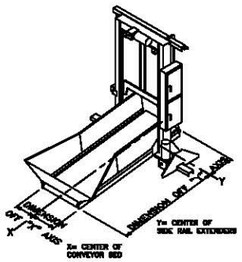
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER		CL4005/08/10XS				DIMENSION "D" 580XX DRYERS ROLLER LOAD HEIGHT		DIMENSION "C" 6458 DRYERS LOAD HEIGHT		DIMENSION "C" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
		-10 1/2	267	–	–	–	–	0	0	0	0	7	178	122 1/2	3112	116 1/2	2959	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	126	3200	120	3048	60 1/2	1537	61	1549	61	1549
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	445	133	3378	127	3226	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	136 1/2	3467	130 1/2	3315	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	140	3556	134	3404	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	143 1/2	3645	137 1/2	3493	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	147	3734	141	3581	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	154	3912	148	3759	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	161	4089	155	3937	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	168	4267	162	4115	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	175	4445	169	4293	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	182	4623	176	4470	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	189	4801	183	4648	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		80 1/2	2045	196	4978	190	4826	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		87 1/2	2223	203	5156	197	5004	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		94 1/2	2400	210	5334	204	5182	144 1/2	3670	145	3683	145	3683

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

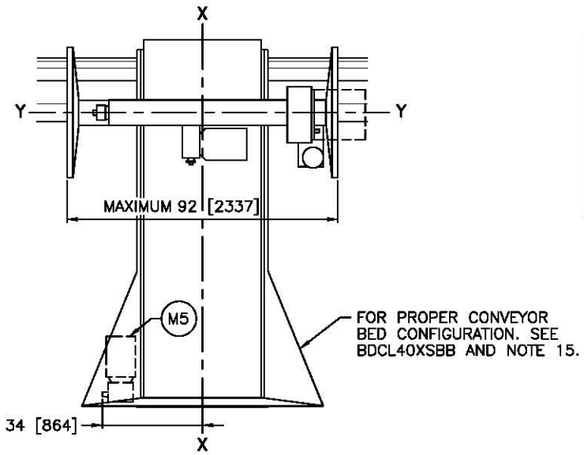


DRYER MODEL NO.	DIMENSION "H" INCHES	mm
50040	31	787
58040	27	686
58058	27	686
58080	27 1/2	698
6458	26	660
7272	26	660

R4	DRYER MOUNTED RAIL SUPORT, SEE NOTE 20.
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY
	BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	STANDARD SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY
	MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST
	FOR NUMBER OF CARS.
M5	BELT MOTOR
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND
	LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND
	LOCATION.
*M2	BOOTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND
	LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 10.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT
	HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT
	HAND POSITION "DASHED").
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER
	INTERFACE.
ITEM	LEGEND

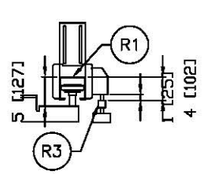


DIMENSIONS THAT VARY WITH MACHINE MODEL						
MODEL	DIMENSION "F" MINIMUM INCHES	mm	DIMENSION "G" INCHES	mm	DIMENSION "J" INCHES	mm
CL4005XS	9	229	40 5/8	1032	66	1676
CL4008XS	6	152	76 5/16	1938	102	2591
CL4010XS	6	152	100 1/8	2543	126	3200

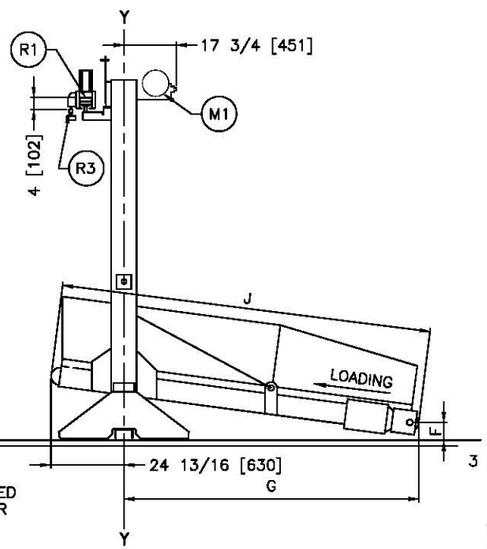


PLAN VIEW

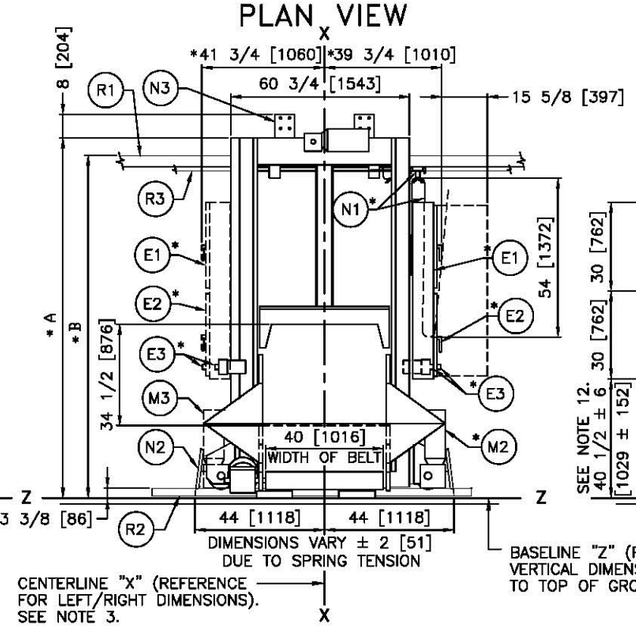
MOTORS, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 8.	
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID)	M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE)	M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED)	M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)	
CONTROLS RIGHT (SOLID)	E1, E2
CONTROLS LEFT (DASHED)	E1, E2
FESTOON RIGHT (SOLID)	N1
FESTOON LEFT (REVERSE OF ABOVE)	
HOIST MOTOR ALWAYS IN "FACING PRESS"	M1



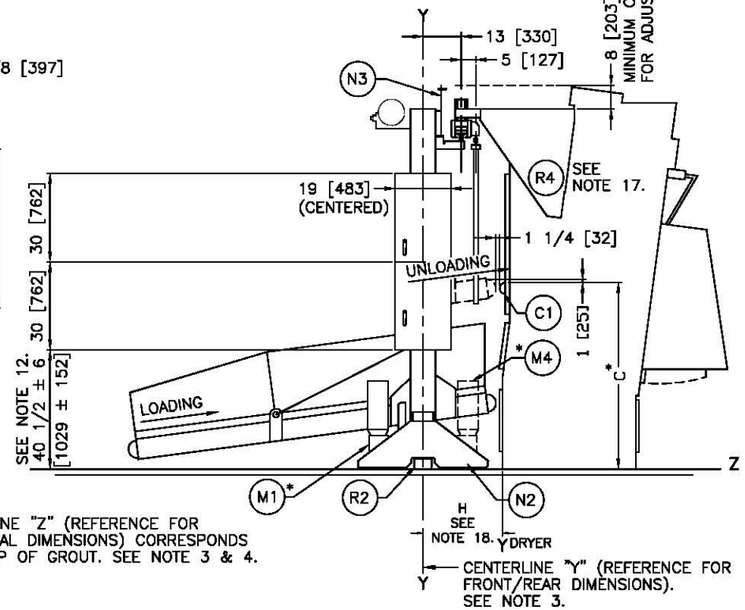
UPPER RAIL DETAIL
SEE NOTE 15.



LEFT SIDE VIEW

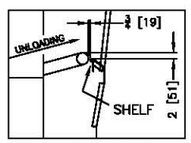


FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

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



DETAIL: 6458 & 7272 SHELF LOADING ONLY

NOTES

18 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO"Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING

17 DRYER RAIL SUPPORT SHOWN IS AVAILABLE ON 58040, 58058 & 58080 DRYERS. DRYER RAIL SUPPORTS NOT AVAILABLE FOR THE 6458 DRYER.

16 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

15 SEE BDCL40XSBB FOR DIMENSIONS OF HORIZONTAL BED, BED CONFIGURATION, AND VARIABLE SPEED OPTIONS.

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12 SEE BOLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

11 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

10 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

9 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

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CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
05 = LENGTH OF BED (05=5'-6", 08=8'-6", 10=10'-6")
Y = EXTENDS TO LOAD 0", STIKS TO DISCHARGE 0"
S = SINGLE BED

6 AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS:
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3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.

2 NUMBERS IN BRACKETS [ ] DENOTE DIMENSIONS IN MILLIMETERS.

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

ATTENTION

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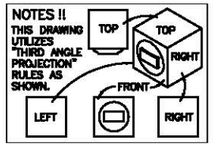
CL4005/08/10XS

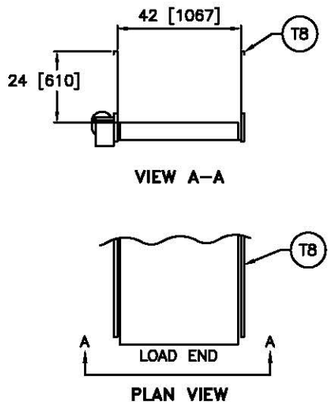
DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BDCL40XSBE 2006255D

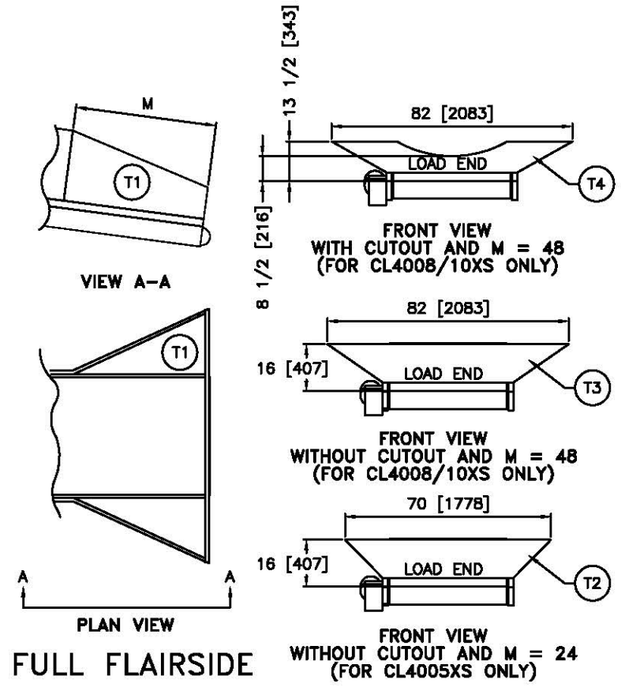
PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/469-1849, Telex ITT 460124/PELM UI, Cable PELMILNOR

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

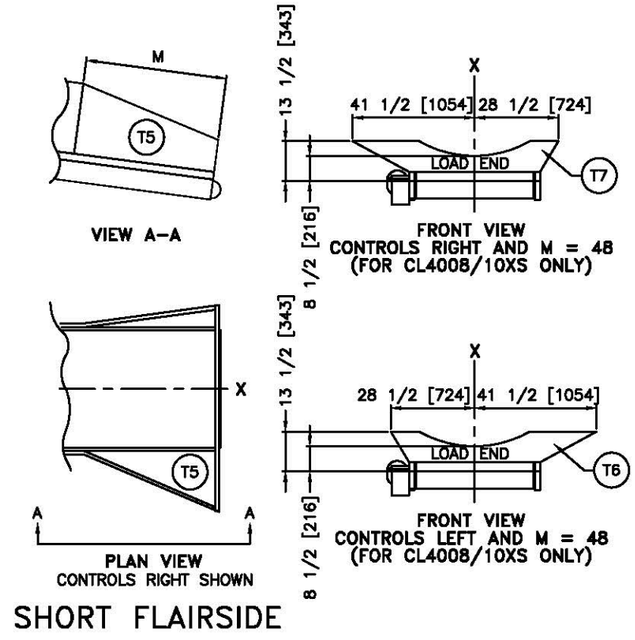




STRAIGHT SIDES



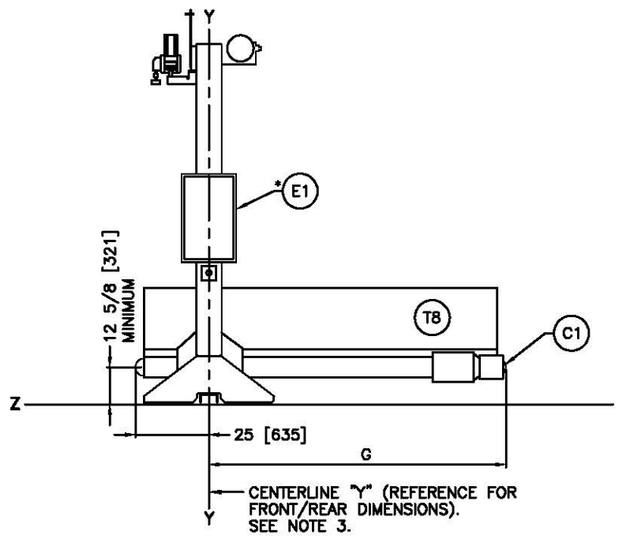
FULL FLAIRSIDE



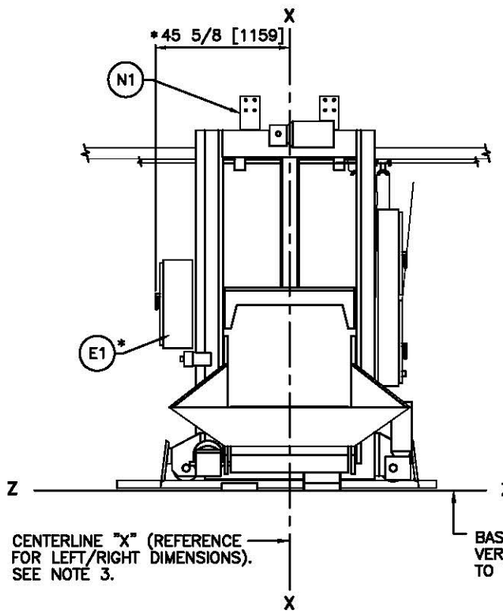
SHORT FLAIRSIDE

ITEM	LEGEND
T8	STRAIGHT SIDES, NO FLAIR.
T7	ENDGATE FOR SHORT FLAIR, CONTROLS RIGHT, WHEN USED.
T6	ENDGATE FOR SHORT FLAIR, CONTROLS LEFT, WHEN USED.
T5	SHORT FLAIRSIDE, ALWAYS SHORTER ON CONTROL SIDE.
T4	ENDGATE WITH CUTOUT FOR FULL FLAIRSIDE, M = 48, WHEN USED.
T3	ENDGATE FOR FULL FLAIRSIDE, M = 48, WHEN USED.
T2	ENDGATE FOR FULL FLAIRSIDE, M = 24, WHEN USED.
T1	FULL FLAIRSIDE.
N1	MOUNTING BRACKET FOR STOP SWITCH
*E1	VARIABLE SPEED BOX
C1	HORIZONTAL BED

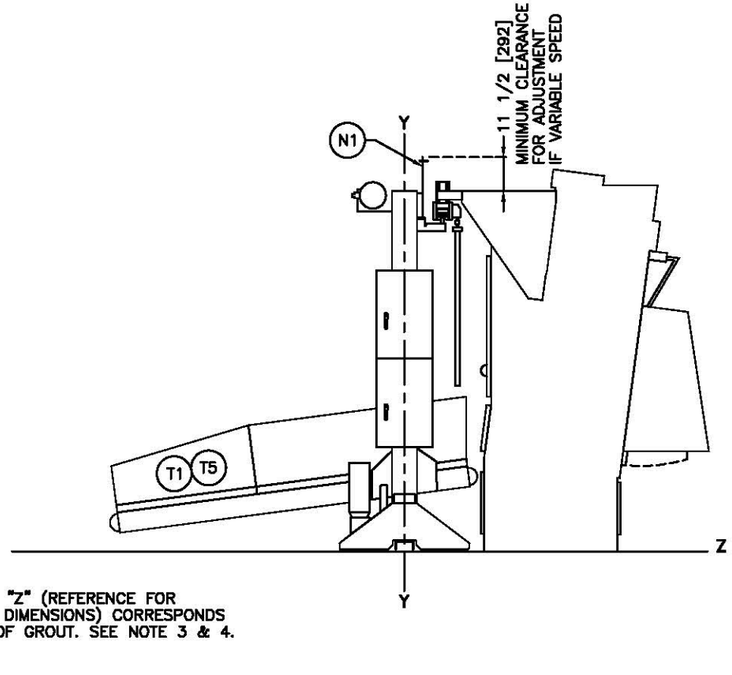
SHUTTLE MODEL NO.	DIMENSION "G" INCHES	mm
CL4005XS	41	1041
CL4008XS	77	1956
CL4010XS	101	2565



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

NOTES

14 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL40XSBE AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

13 SEE BDLTRAILBE FOR DIMENSIONS OF RAILS AND SUPPORTS.

12 SEE BDLTRCLRBE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

11 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

10 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

9 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

7 THE CL40XSXS SHUTTLE CONFIGURATION IS AS FOLLOWS:
CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
08 = LENGTH OF BED (05=5'-0", 08=8'-0", 10=10'-0")
Y = EXTENDS TO LOAD 0", STRS TO DISCHARGE 0"
S = SINGLE BED

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

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

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

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

2 NUMBERS IN BRACKETS [ ] DENOTE DIMENSIONS IN MILLIMETERS.

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

ATTENTION

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

ATTENTION

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

CL4005/08/10XS OPTIONS

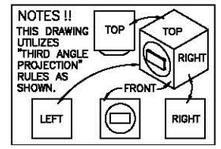
DIM 0 0.5M 1M
INCHES 0 12 24 36

DWG BDCL40XSBB
96418D

PELLERIN MILNOR CORPORATION
P.O. Box 400, Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-1848, Telex ITT 460124/PELMI UI, Cable PELMILNOR

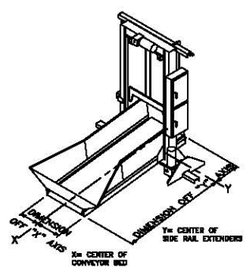
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER		CL4008/10FS DIMENSIONS				DIMENSION "D" 580XX DRYERS ROLLER LOAD HEIGHT		DIMENSION "C" 6458 DRYERS LOAD HEIGHT		DIMENSION "C" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"					
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
		-10 1/2	-267	–	–	–	–	0	0	0	0	7	178	122 1/2	3112	116 1/2	2959	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	126	3200	120	3048	60 1/2	1537	61	1549	61	1549
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	445	133	3378	127	3226	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	136 1/2	3467	130 1/2	3315	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	140	3556	134	3404	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	143 1/2	3645	137 1/2	3493	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	147	3734	141	3581	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	154	3912	148	3759	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	161	4089	155	3937	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	168	4267	162	4115	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	175	4445	169	4293	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	182	4623	176	4470	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	189	4801	183	4648	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		80 1/2	2045	196	4978	190	4826	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		87 1/2	2223	203	5156	197	5004	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		94 1/2	2400	210	5334	204	5182	144 1/2	3670	145	3683	145	3683

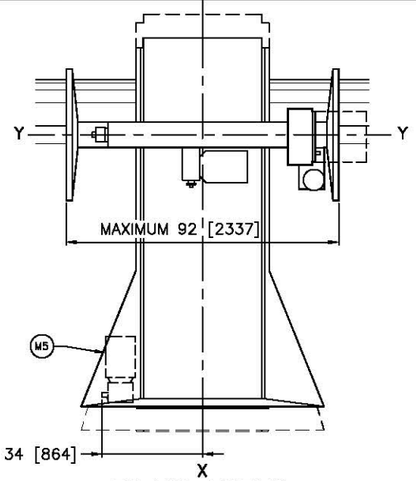
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



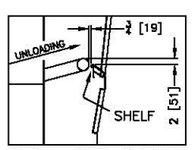
DRYER MODEL NO.	DIMENSION "H"	
	INCHES	mm
50040	44 7/8	1140
58040	40 7/8	1038
58058	41	1041
58080	41 1/2	1005
6458	40	1016
7272	40	1016

ITEM	LEGEND
R4	DRYER MOUNTED RAIL SUPORT, SEE NOTE 20.
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 11.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER INTERFACE.
A1	AIR VALVE BOX. ALWAYS UNDER ELECTRIC BOXES

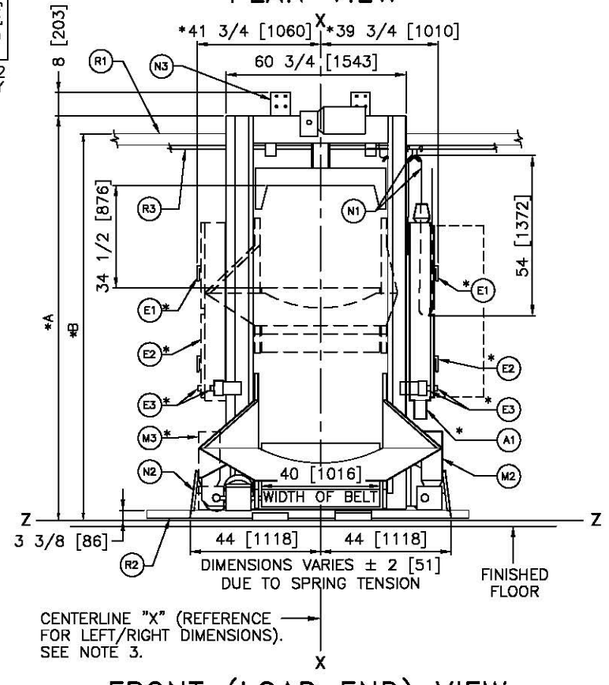




PLAN VIEW



DETAIL: 6458 & 7272 SHELF LOADING ONLY



FRONT (LOAD END) VIEW

DIMENSIONS THAT VARY WITH MACHINE MODEL							
MODEL No.	DIMENSION "D"		DIMENSION "E"		DIMENSION "F"		DIMENSION "G"	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
CL4008FS	102	2591	68 3/8	1737	101 1/8	2569	76 5/16	1938
CL4010FS	126	3200	92 3/16	2342	124 15/16	3173	100 1/8	2543

DIMENSIONS THAT VARY WITH MACHINE MODEL				
SEE NOTE 18.				
TILTING WASHER EXTRACTOR MODEL NUMBER	DIMENSION "L"		DIMENSION "M"	
	INCHES	mm	INCHES	mm
48032 BTL, BTN	10 1/4	260	26 1/4	667
48036 QTL, QTN	10 1/4	260	26 1/4	667
52038 WTL, WTN	6 1/2	165	25	635

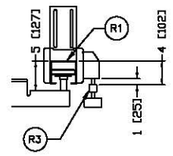
MOTOR, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 8.

BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)

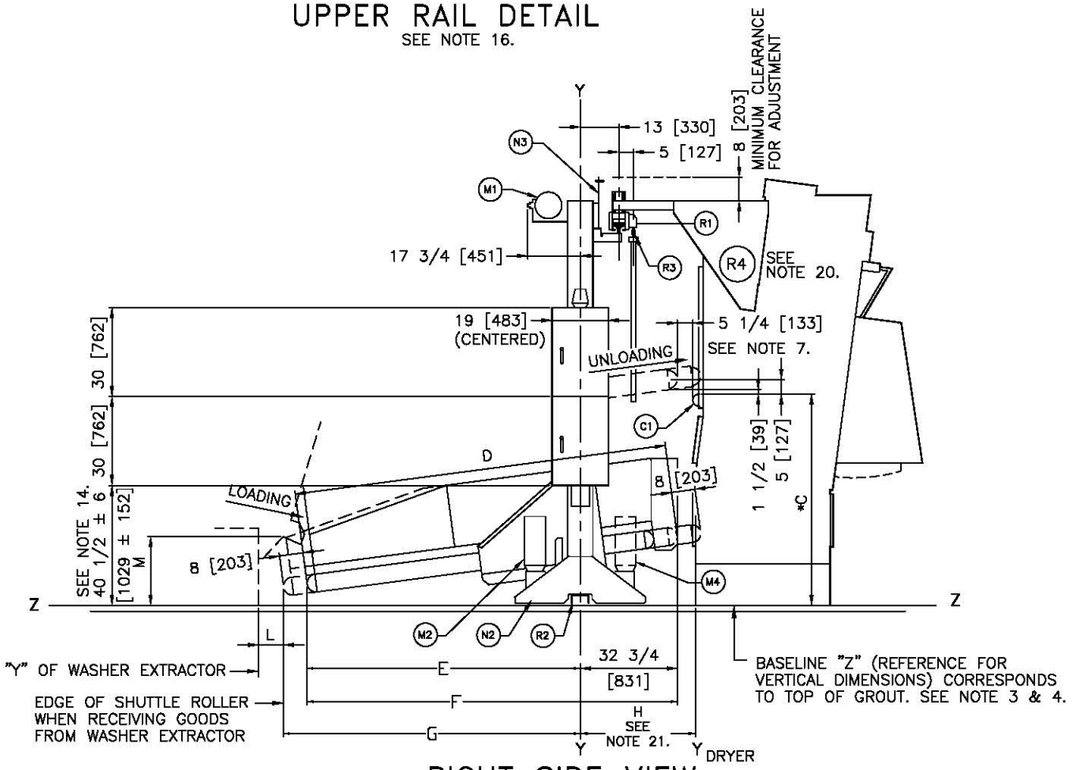
CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2

FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)

HOIST MOTOR ALWAYS IN "FACING PRESS" M1



UPPER RAIL DETAIL
SEE NOTE 16.



RIGHT SIDE VIEW

NOTES

21 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO "Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING

20 DRYER RAIL SUPPORT SHOWN IS AVAILABLE ON 58040, 58058 & 58080 DRYERS. DRYER RAIL SUPPORTS NOT AVAILABLE FOR THE 6458 DRYER.

19 SEE BDCL40FSBB FOR OPTIONS AND BED CONFIGURATION.

18 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL40FSBB AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

17 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

16 COSLIDE WILL ACCOMMODATE THE MODELS MENTIONED IN TABLE PROVIDING THE LOAD DOES NOT EXCEED THE CAPACITY OF APPROPRIATE MILNOR DRYER.

15 COMPRESSED AIR IS NEEDED ON ALL SHUTTLES THAT EXTEND/STIK, 1/2 [13] NPT.

14 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

13 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.

12 SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

11 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

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CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
08 = LENGTH OF BED (08=8'-6", 10=10'-6")
F = EXTENDS TO LOAD 8", STIKS TO DISCHARGE 8"
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*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

7 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

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CL4008FS & CL4010FS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BDCL40FSBE 2009113D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591, FAX 504/469-1849, Telex ITT 460124/PELM UI, Cable PELMILNOR

NOTES !!
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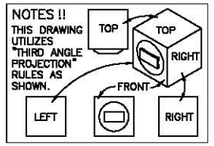
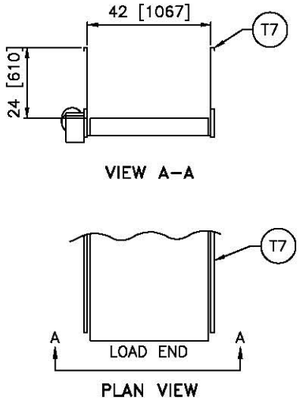
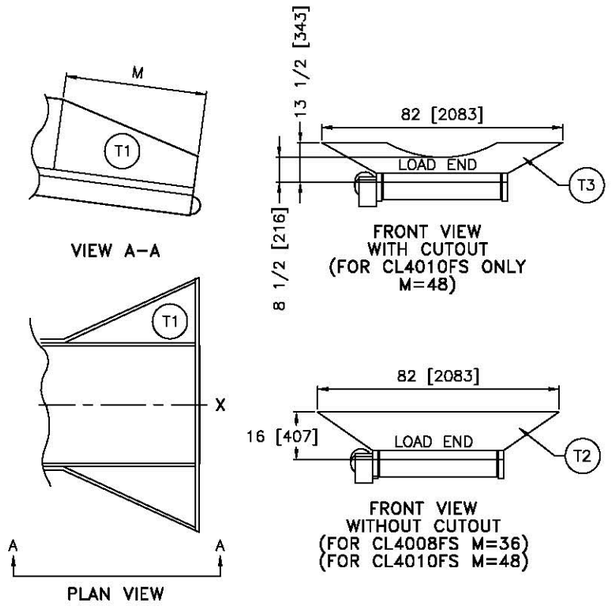
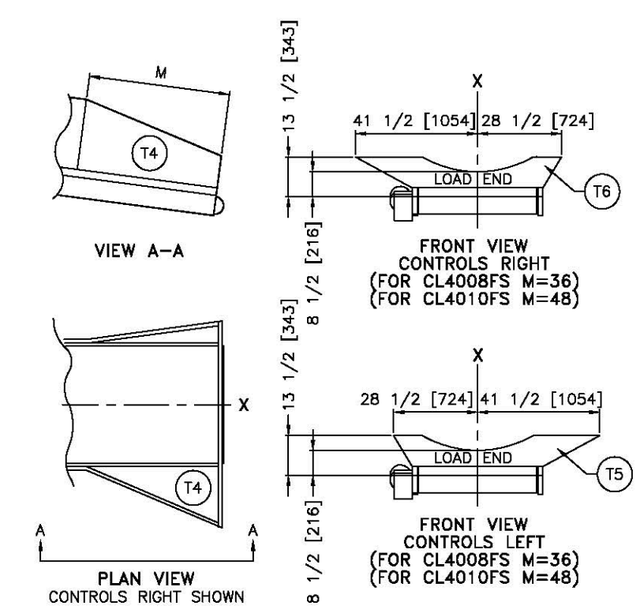




STRAIGHT SIDES



FULL FLAIRSIDE



SHORT FLAIRSIDE

ITEM	LEGEND
T7	STRAIGHT SIDES, NO FLAIR.
T6	ENDGATE FOR SHORT FLAIR, CONTROLS RIGHT, WHEN USED.
T5	ENDGATE FOR SHORT FLAIR, CONTROLS LEFT, WHEN USED.
T4	SHORT FLAIRSIDE, ALWAYS SHORTER ON CONTROL SIDE.
T3	ENDGATE WITH CUTOUT FOR FULL FLAIRSIDE, WHEN USED.
T2	ENDGATE FOR FULL FLAIRSIDE, WHEN USED.
T1	FULL FLAIRSIDE.

NOTES

15 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL40FSBE AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

14 COMPRESSED AIR IS NEEDED ON ALL SHUTTLES THAT EXTEND/STIK, 1/2 [13] NPT.

13 SEE BDLTRAILBE FOR DIMENSIONS OF RAILS AND SUPPORTS.

12 SEE BDLTRCLRBE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

11 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

10 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

9 THE SHUTTLE NAME CONFIGURATION IS AS FOLLOWS:
CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
08 = LENGTH OF BED (08=8'-8", 10=10'-8")
F = EXTENDS TO LOAD 8", STIKS TO DISCHARGE 8"
S = SINGLE BED

*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

7 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

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

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

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

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

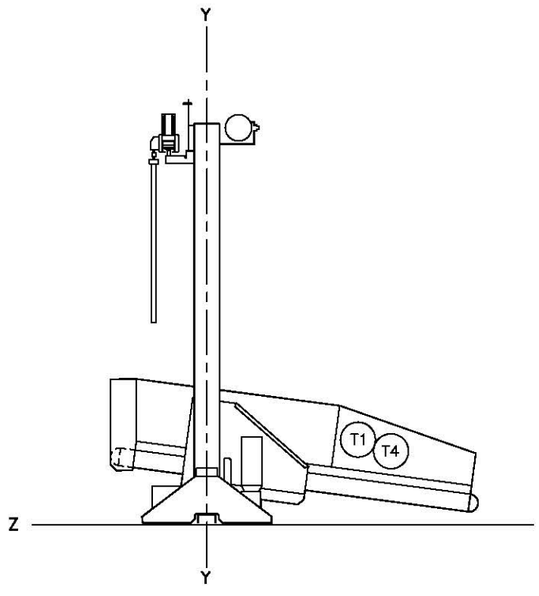
1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE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

ATTENTION

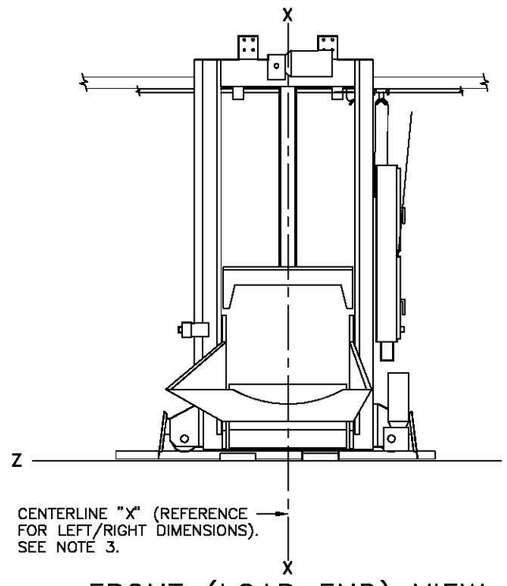
MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH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

ATTENTION

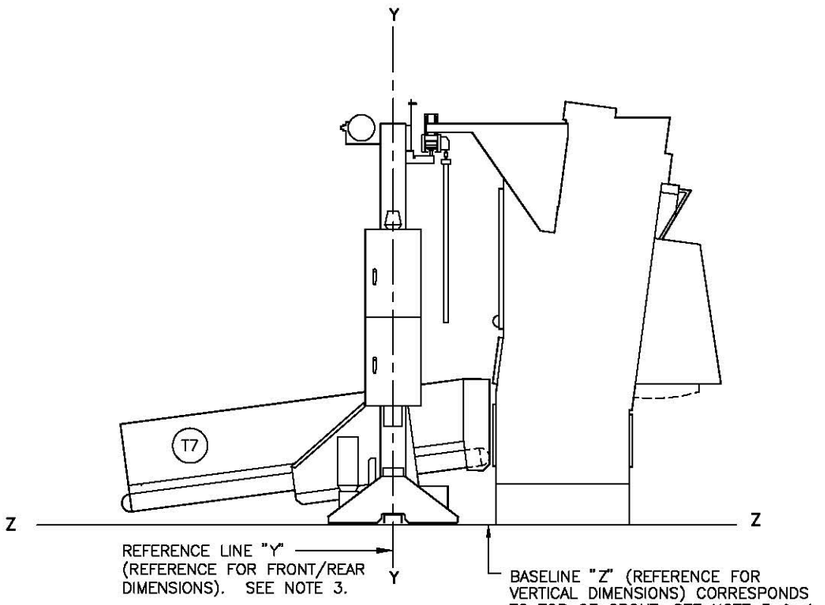
THE FLOOR AND/OR OTHER SUPPORT COMPONENTS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY THEREOF) TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE INCLUDING THE GOODS, THE WATER, AND ANY REPEATED SINUSOIDAL (ROTATING) FORCES GENERATED DURING ITS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



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

CL4008FS & CL4010FS OPTIONS

DWG# BDCL40FSBB 96418D

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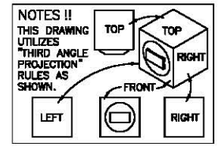
FAX 504/468-1848, Telex ITT 460124/PELM UI, Cable PELMILNOR

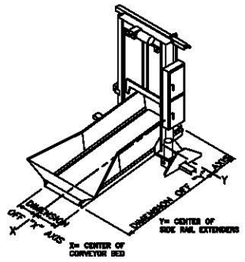
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER		CL4008/10JS DIMENSIONS				DIMENSION "D" 580XX DRYERS ROLLER LOAD HEIGHT		DIMENSION "C" 6458 DRYERS LOAD HEIGHT		DIMENSION "C" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"					
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–	–	-10 1/2	267	–	–	–	–	0	0	0	0	7	178	122 1/2	3112	116 1/2	2959	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	126	3200	120	3048	60 1/2	1537	61	1549	61	1549
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	445	133	3378	127	3226	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	136 1/2	3467	130 1/2	3315	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	140	3556	134	3404	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	143 1/2	3645	137 1/2	3493	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	147	3734	141	3581	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	154	3912	148	3759	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	161	4089	155	3937	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	168	4267	162	4115	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	175	4445	169	4293	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	182	4623	176	4470	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	189	4801	183	4648	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		80 1/2	2045	196	4978	190	4826	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		87 1/2	2223	203	5156	197	5004	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		94 1/2	2400	210	5334	204	5182	144 1/2	3670	145	3683	145	3683

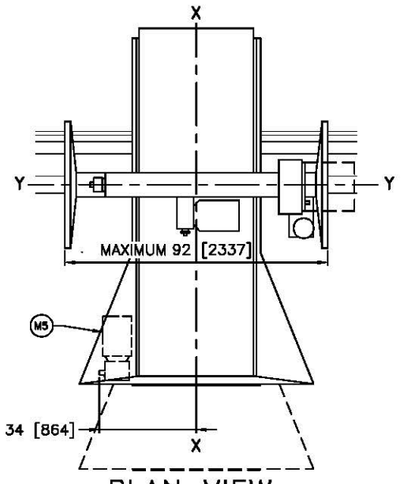
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



DRYER MODEL NO.	DIMENSION "H"	
	INCHES	mm
50040	60 7/8	1546
58040	56 7/8	1445
58058	57	1448
58080	57 1/2	1460
6458	56	1422
7272	56	1422

ITEM	LEGEND
R4	DRYER RAIL SUPPORT, SEE NOTE 20.
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 11.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER INTERFACE.
*A1	AIR VALVE BOX. ALWAYS UNDER ELECTRIC BOXES





PLAN VIEW

DIMENSIONS THAT VARY WITH MACHINE MODEL							
MODEL No.	DIMENSION "D"		DIMENSION "E"		DIMENSION "F"		DIMENSION "G"	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
CL4008JS	102	2591	46 3/8	1178	101 1/8	2569	76 1/8	1934
CL4010JS	126	3200	70 3/16	1783	124 15/16	3173	99 15/16	2538

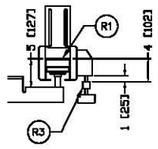
MOTOR, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 8.

BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)

CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2

FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)

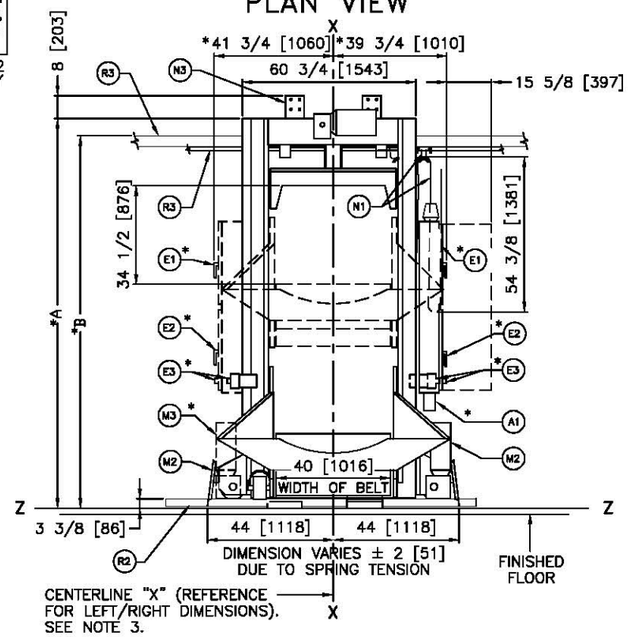
HOIST MOTOR ALWAYS IN "FACING PRESS" M1



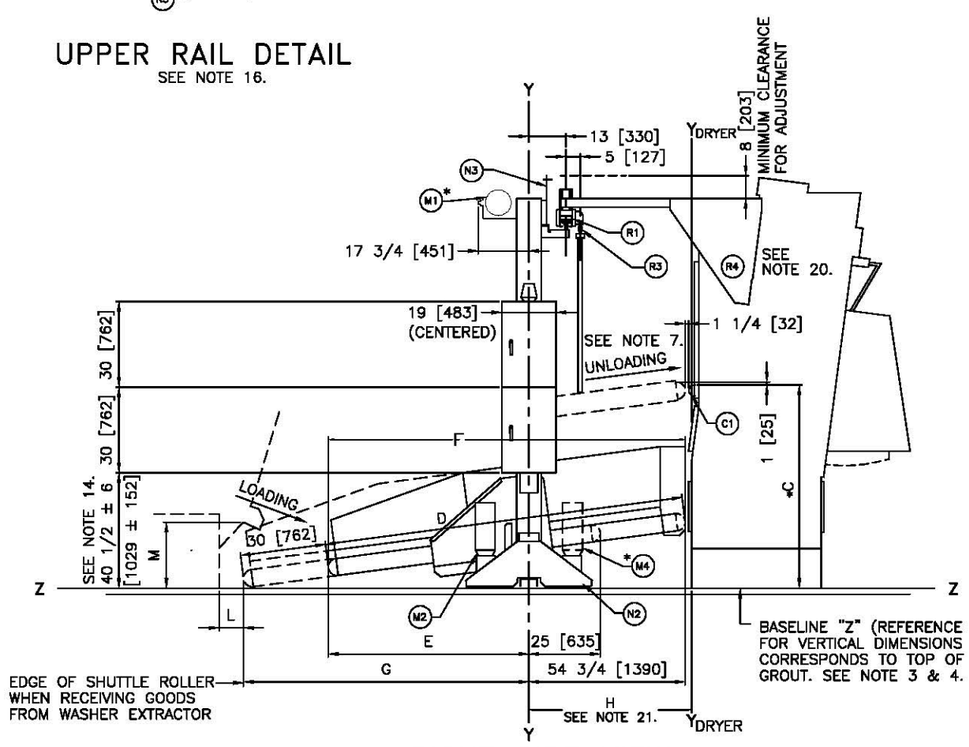
UPPER RAIL DETAIL
SEE NOTE 16.

DIMENSIONS THAT VARY WITH MACHINE MODEL SEE NOTE 17.				
TILTING WASHER EXTRACTOR MODEL NUMBER	DIMENSION "L"		DIMENSION "M"	
	INCHES	mm	INCHES	mm
48032 BTL, BTN	10 1/4	260	26 1/4	667
48036 QTL, QTN	10 1/4	260	26 1/4	667
52038 WTL, WTN	6 1/2	165	25	635

DETAIL: 6458 & 7272 SHELF LOADING ONLY



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

NOTES

21 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO "Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING
20 DRYER RAIL SUPPORT SHOWN IS AVAILABLE ON 58040, 58058 & 58080 DRYERS. DRYER RAIL SUPPORTS NOT AVAILABLE FOR THE 6458 DRYER.
19 SEE BDCL40JSBB FOR OPTIONS AND BED CONFIGURATIONS.
18 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL40NSBB AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.
17 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.
16 SHUTTLE WILL ACCOMMODATE THE MODELS MENTIONED IN TABLE PROVIDING THE LOAD DOES NOT EXCEED THE CAPACITY OF APPROPRIATE MILNOR DRYER.
15 COMPRESSED AIR IS NEEDED ON ALL SHUTTLES THAT EXTEND/STIK, 1/2 [13] NPT.
14 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.
13 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.
12 SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.
11 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.
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3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.
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CL4008JS & CL4010JS

DWG# BDCL40JSBE 2006255D

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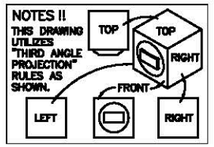
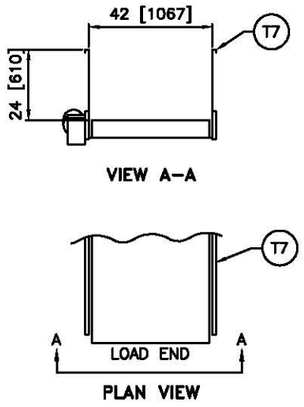
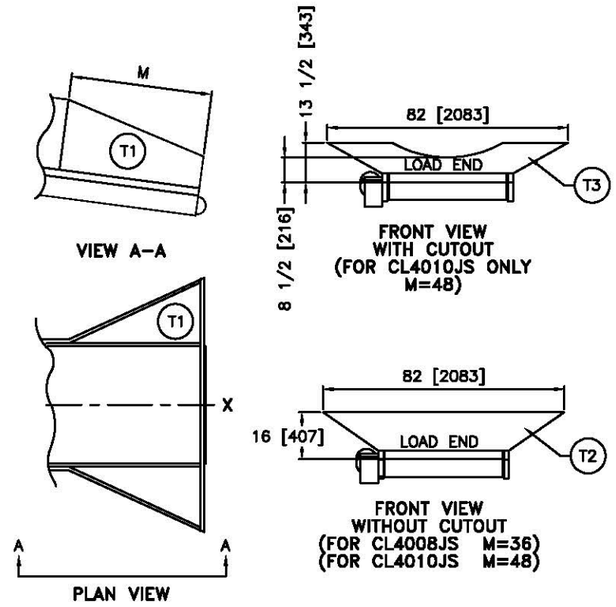
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-1849, Telex ITT 460124/PELM UI, Cable PELMILNOR

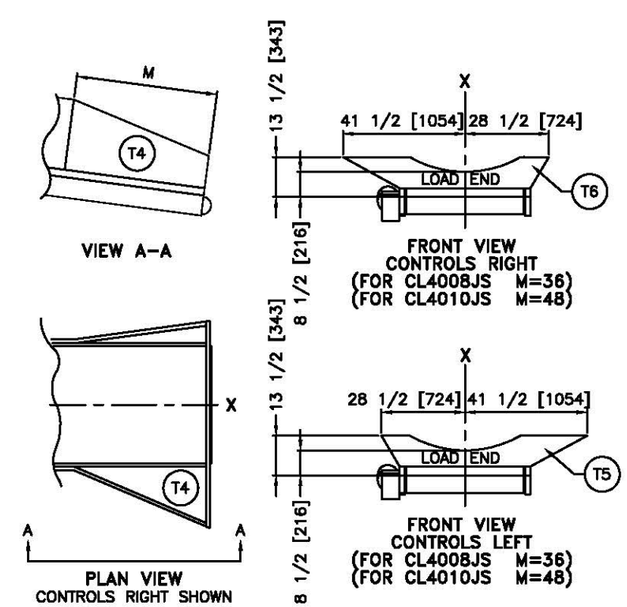




STRAIGHT SIDES



FULL FLAIRSIDE



SHORT FLAIRSIDE

ITEM	LEGEND
T7	STRAIGHT SIDES, NO FLAIR.
T6	ENDGATE FOR SHORT FLAIR, CONTROLS RIGHT, WHEN USED.
T5	ENDGATE FOR SHORT FLAIR, CONTROLS LEFT, WHEN USED.
T4	SHORT FLAIRSIDE, ALWAYS SHORTER ON CONTROL SIDE.
T3	ENDGATE WITH CUTOUT FOR FULL FLAIRSIDE, WHEN USED.
T2	ENDGATE FOR FULL FLAIRSIDE, WHEN USED.
T1	FULL FLAIRSIDE.

NOTES

15 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDMQUSAB AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

14 COMPRESSED AIR IS NEEDED ON ALL SHUTTLES THAT EXTEND/STIK, 1/2 [13] NPT.

13 SEE BDLTRAILBE FOR DIMENSIONS OF RAILS AND SUPPORTS.

12 SEE BDLTRCLRBE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

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CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
08 = LENGTH OF BED (08-6'-6", 10-10'-6")
J = EXTENDS TO LOAD 6", STIKS TO DISCHARGE 0"
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*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

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36 [914] IF OBJECT IS AN UNGROUNDED (INSULATED) WALL.
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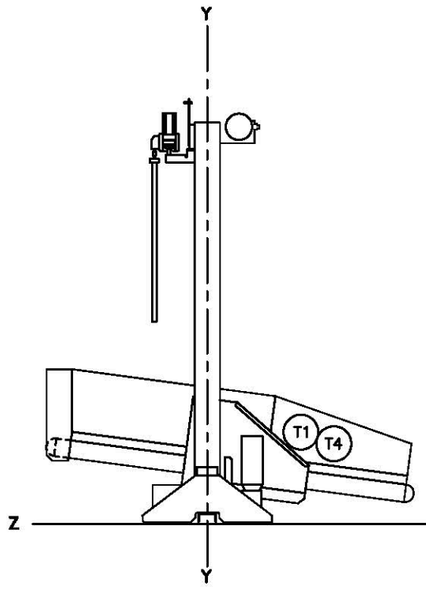
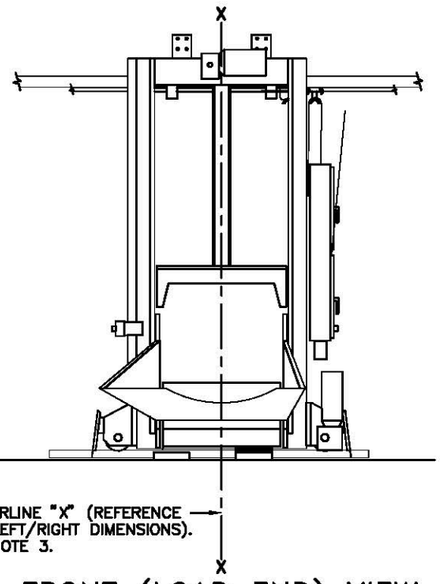
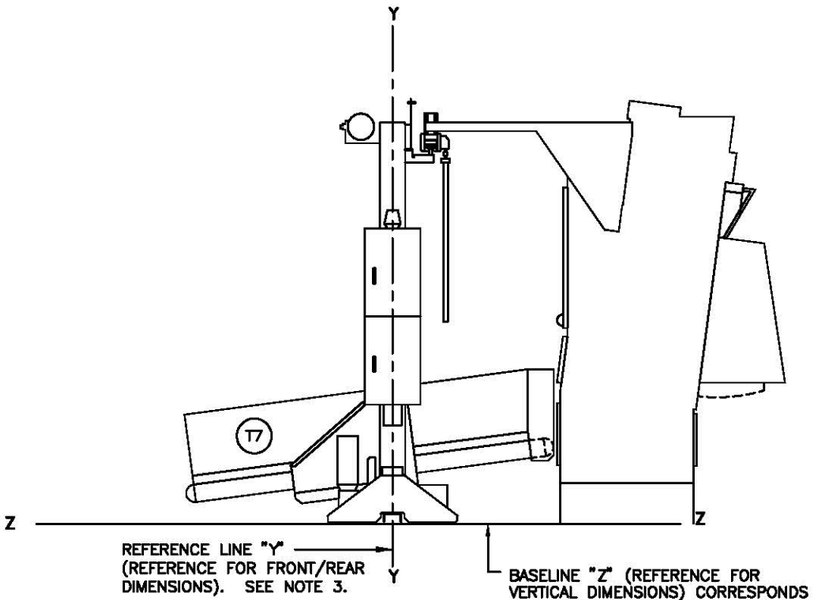


LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

CL4008JS & CL4010JS OPTIONS

DWG BDCL40JSBB 98418D

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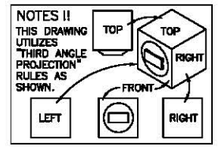
FAX 504/468-1849, Telex ITT 460124/PELM UI, Cable PELMILNOR

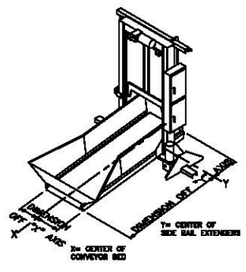
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER		CL4008/10MS DIMENSIONS				DIMENSION "D" 580XX DRYERS ROLLER LOAD HEIGHT		DIMENSION "C" 6458 DRYERS LOAD HEIGHT		DIMENSION "C" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"					
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
		-10 1/2	267	–	–	–	–	0	0	0	0	7	178	122 1/2	3112	116 1/2	2959	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	126	3200	120	3048	60 1/2	1537	61	1549	61	1549
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	445	133	3378	127	3226	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	136 1/2	3467	130 1/2	3315	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	140	3556	134	3404	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	143 1/2	3645	137 1/2	3493	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	147	3734	141	3581	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	154	3912	148	3759	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	161	4089	155	3937	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	168	4267	162	4115	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	175	4445	169	4293	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	182	4623	176	4470	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	189	4801	183	4648	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		80 1/2	2045	196	4978	190	4826	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		87 1/2	2223	203	5156	197	5004	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		94 1/2	2400	210	5334	204	5182	144 1/2	3670	145	3683	145	3683

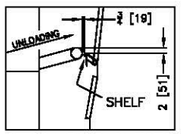
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.



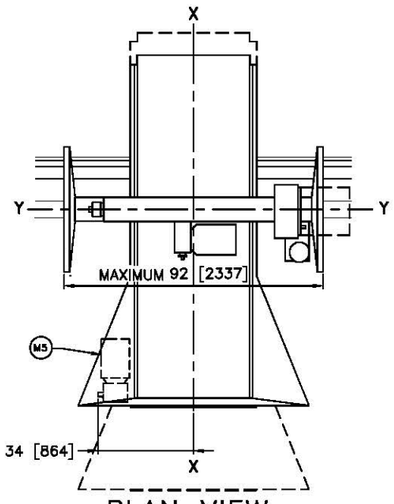
DRYER MODEL NO.	DIMENSION "H" INCHES	mm
50040	64 7/8	1595
58040	60 7/8	1549
58058	61	1549
58080	61 1/2	1564
6458	60	1515
7272	60	1515

R4	DRYER MOUNTED RAIL SUPPORT, SEE NOTE 20.
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 11.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER INTERFACE.
*A1	AIR VALVE BOX. ALWAYS UNDER ELECTRIC BOXES
ITEM	LEGEND





DETAIL: 6458 & 7272
SHELF LOADING ONLY



PLAN VIEW

DIMENSIONS THAT VARY WITH MACHINE MODEL							
MODEL No.	DIMENSION "D"		DIMENSION "E"		DIMENSION "F"		DIMENSION "G"	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
CL4008MS	102	2591	46 3/8	1178	101 1/8	2569	76 1/8	1934
CL4010MS	126	3200	70 3/16	1783	124 15/16	3173	100	2540

DIMENSIONS THAT VARY WITH MACHINE MODEL SEE NOTE 17.				
TILTING WASHER EXTRACTOR MODEL NUMBER	DIMENSION "L"		DIMENSION "M"	
	INCHES	mm	INCHES	mm
48032 BTL, BTN	10 1/4	260	26 1/4	667
48036 QTL, QTN	10 1/4	260	26 1/4	667
52038 WTL, WTN	6 1/2	165	25	635

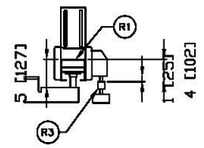
MOTOR, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 8.

BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)

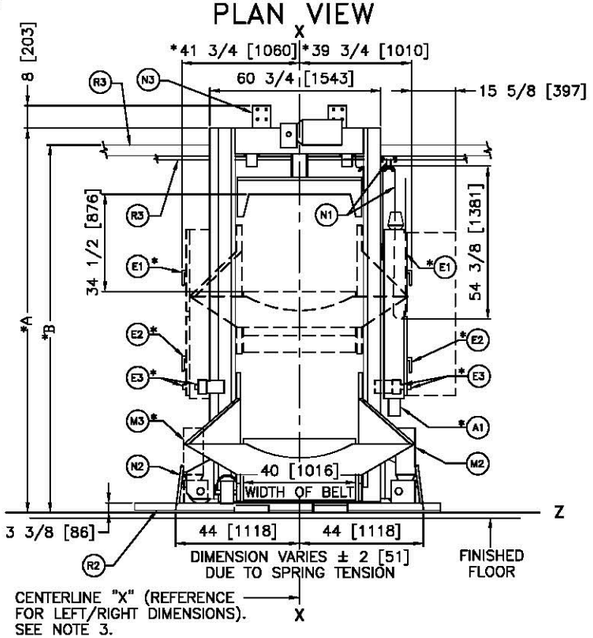
CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2

FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)

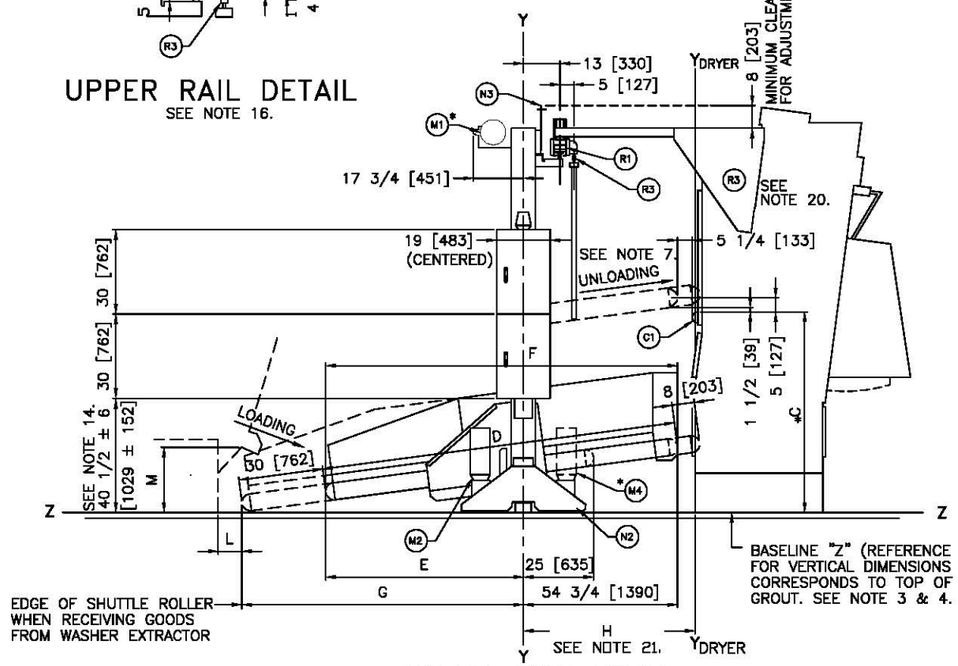
HOIST MOTOR ALWAYS IN "FACING PRESS" M1



UPPER RAIL DETAIL
SEE NOTE 16.



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

NOTES

21 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO"Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING

20 DRYER RAIL SUPPORT SHOWN IS AVAILABLE ON 58040, 58058 & 58080 DRYERS. DRYER RAIL SUPPORTS NOT AVAILABLE FOR THE 6458 DRYER.

19 SEE BDCL40MSBB FOR OPTIONS AND BED CONFIGURATIONS.

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17 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

16 COSLIDE WILL ACCOMMODATE THE MODELS MENTIONED IN TABLE PROVIDING THE LOAD DOES NOT EXCEED THE CAPACITY OF APPROPRIATE MILNOR DRYER.

15 COMPRESSED AIR IS NEEDED ON ALL SHUTTLES THAT EXTEND/STIK, 1/2 [13] NPT.

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CL4008MS & CL4010MS

DWG# BDCL40MSBE 2006255D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-1848, Telex ITT 460124/PELM UI, Cable PELMILNOR

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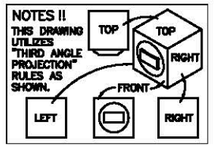
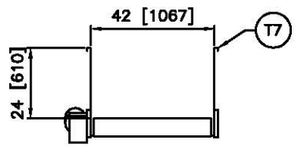
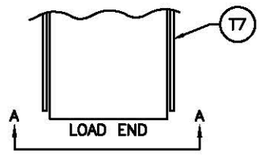


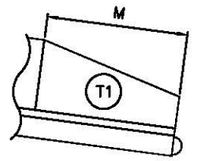


VIEW A–A

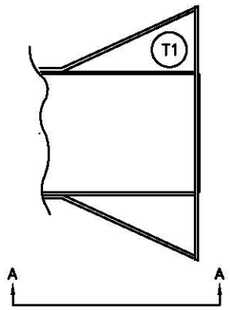


PLAN VIEW

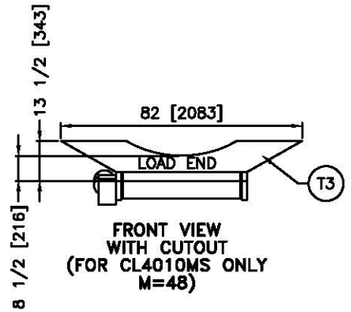
STRAIGHT SIDES



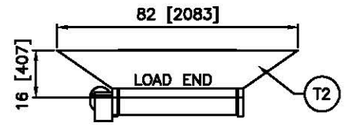
VIEW A–A



PLAN VIEW

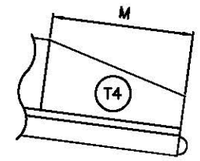


FRONT VIEW
WITH CUTOUT
(FOR CL4010MS ONLY
M=48)

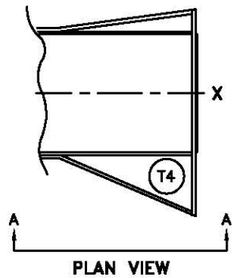


FRONT VIEW
WITHOUT CUTOUT
(FOR CL4080MS M=36)
(FOR CL4010MS M=48)

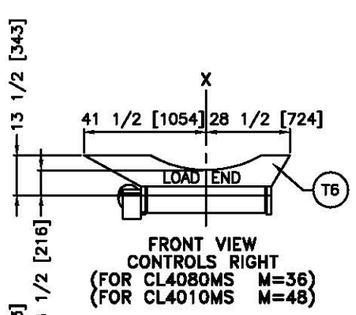
FULL FLAIRSIDE



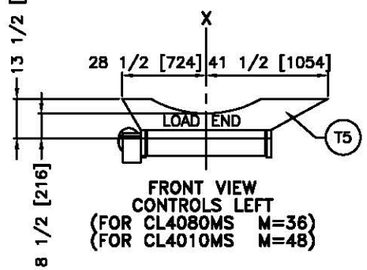
VIEW A–A



PLAN VIEW
CONTROLS RIGHT SHOWN



FRONT VIEW
CONTROLS RIGHT
(FOR CL4080MS M=36)
(FOR CL4010MS M=48)



FRONT VIEW
CONTROLS LEFT
(FOR CL4080MS M=36)
(FOR CL4010MS M=48)

SHORT FLAIRSIDE

ITEM	LEGEND
T7	STRAIGHT SIDES, NO FLAIR.
T6	ENDGATE FOR SHORT FLAIR, CONTROLS RIGHT, WHEN USED.
T5	ENDGATE FOR SHORT FLAIR, CONTROLS LEFT, WHEN USED.
T4	SHORT FLAIRSIDE, ALWAYS SHORTER ON CONTROL SIDE.
T3	ENDGATE WITH CUTOUT FOR FULL FLAIRSIDE, WHEN USED.
T2	ENDGATE FOR FULL FLAIRSIDE, WHEN USED.
T1	FULL FLAIRSIDE.

NOTES

15 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL40MSBE AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

14 COMPRESSED AIR IS NEEDED ON ALL SHUTTLES THAT EXTEND/STIK, 1/2 [13] NPT.

13 SEE BDLTRAILBE FOR DIMENSIONS OF RAILS AND SUPPORTS.

12 SEE BDLTRCLRBE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

11 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

10 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

9 THE SHUTTLE NAME CONFIGURATION IS AS FOLLOWS:
CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
08 = LENGTH OF BED (08=8'-4", 10=10'-8")
M = EXTENDS TO LOAD 30", STIKS TO DISCHARGE 8"
S = SINGLE BED

*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

7 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

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

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

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

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

2 NUMBERS IN BRACKETS [ ] DENOTE DIMENSIONS IN MILLIMETERS.

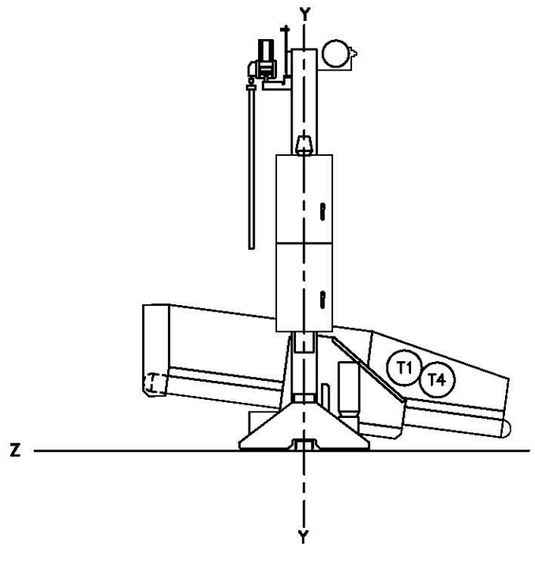
1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE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

ATTENTION

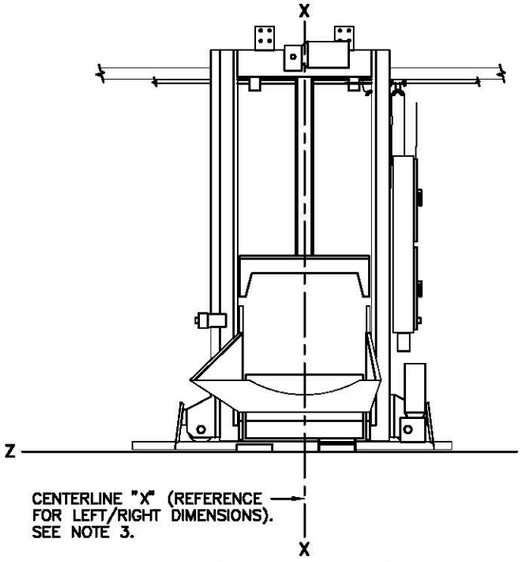
MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH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

ATTENTION

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

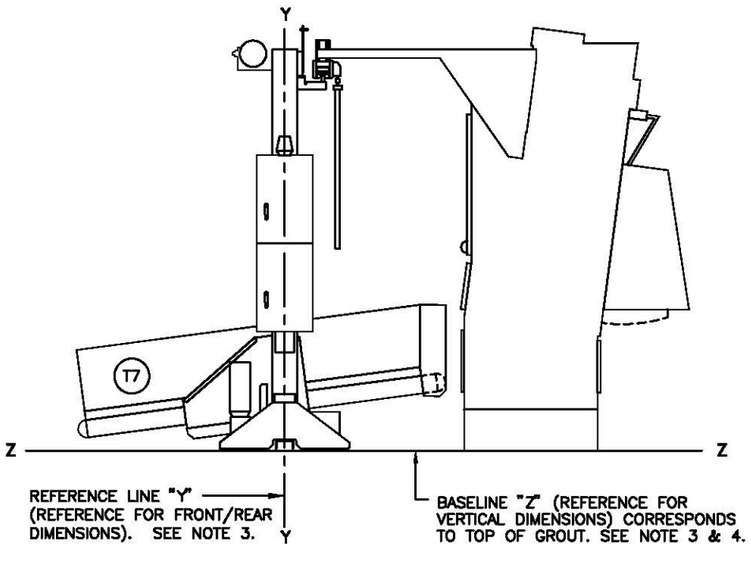


LEFT SIDE VIEW



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

FRONT (LOAD END) 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 & 4.

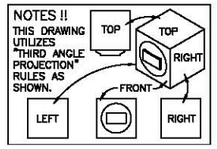
RIGHT SIDE VIEW

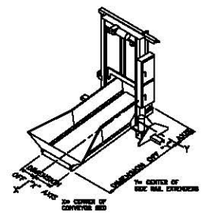
CL4008MS & CL4010MS OPTIONS

DWG BDCL40MSBB 98418D

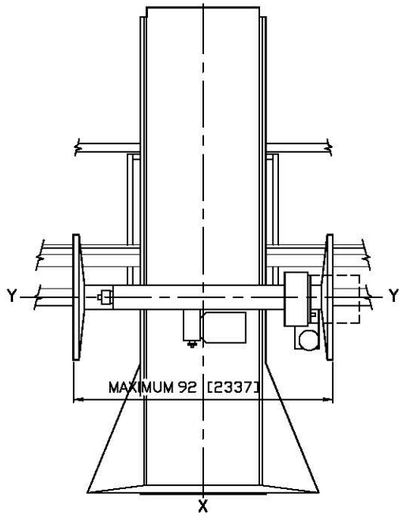
PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-1849, Telex ITT 460124/PELM UI, Cable PELMILNOR

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





WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER		CL4014FS DIMENSIONS				DIMENSION "C" 580XX DRYERS ROLLER LOAD HEIGHT		DIMENSION "C" 6458 DRYERS LOAD HEIGHT		DIMENSION "C" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
		-10 1/2	267	–	–	–	–	0	0	0	0	7	178	122 1/2	3112	116 1/2	2959	57	1448	57 1/2	1460	57 1/2	1460
–	–	-7	-178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	126	3200	120	3048	60 1/2	1537	61	1549	61	1549
-7	-178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	445	133	3378	127	3226	67 1/2	1715	68	1727	68	1727
-3 1/2	-89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	136 1/2	3467	130 1/2	3315	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	140	3556	134	3404	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	143 1/2	3645	137 1/2	3493	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	147	3734	141	3581	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	154	3912	148	3759	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	161	4089	155	3837	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	168	4267	162	4115	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	175	4445	169	4293	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	182	4623	176	4470	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	189	4801	183	4648	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		80 1/2	2045	196	4978	190	4826	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		87 1/2	2223	203	5156	197	5004	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		94 1/2	2400	210	5334	204	5182	144 1/2	3670	145	3683	145	3683



PLAN VIEW

DIMENSIONS THAT VARY WITH MACHINE MODEL				
TILTING WASHER EXTRACTOR MODEL NUMBER	DIMENSION "L"		DIMENSION "M"	
	INCHES	mm	INCHES	mm
48032 BTL, BTN	10 1/4	260	26 1/4	667
48036 QTL, QTN	10 1/4	260	26 1/4	667
52038 WTL, WTN	6 1/2	165	25	635
64046 D6N, E6N, J6N	12	305	32 1/2	826
72046 D5N, E5N, J5N	12	305	33 1/2	851

DRYER MODEL NO.	DIMENSION "H"	
	INCHES	mm
50040	90 3/8	2296
58040	86 3/8	2194
58058	86 1/2	2197
58080	87	2210
6458	85 1/2	2172
7272	85 1/2	2172

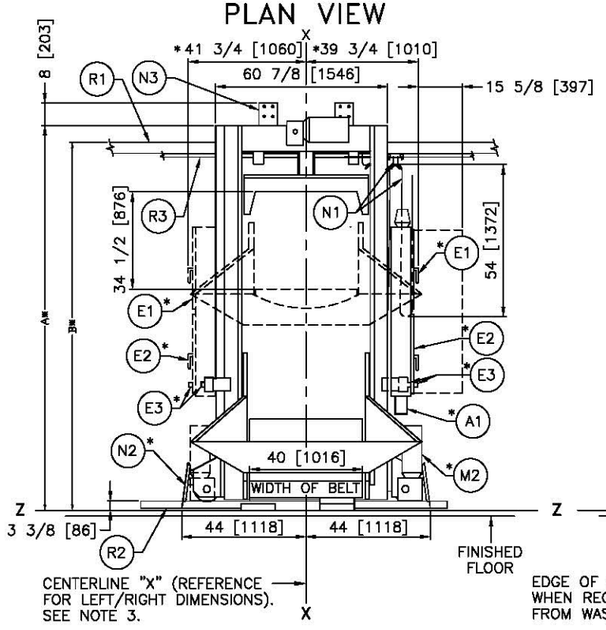
MOTOR, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 8.

BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)

CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2

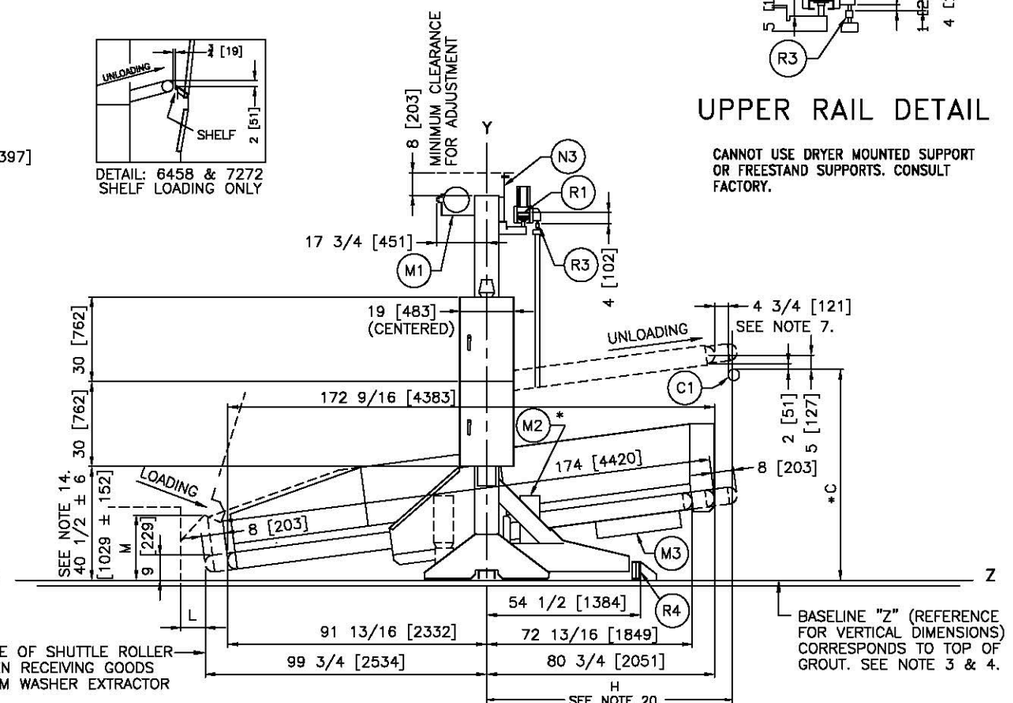
FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)

HOIST MOTOR ALWAYS IN "FACING PRESS" M1

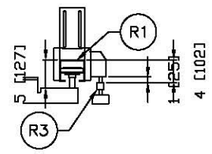


FRONT (LOAD END) VIEW

DETAIL: 6458 & 7272 SHELF LOADING ONLY



RIGHT SIDE VIEW



UPPER RAIL DETAIL

CANNOT USE DRYER MOUNTED SUPPORT OR FREESTAND SUPPORTS. CONSULT FACTORY.

R4	OUTRIGGER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	SAFETY KICK PLATE, SPRING LOADED.
N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M3	BELT MOTOR, UNDERDRIVE.
M2	BOTTOM DRIVE MOTOR
M1	HOIST MOTOR
E3	EMERGENCY STOP BUTTON. SEE NOTE 11.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER INTERFACE.
A1	AIR VALVE BOX. ALWAYS UNDER ELECTRIC BOXES
ITEM	LEGEND

NOTES

20 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO"Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING

19 SEE BDCL14FSAB FOR OPTIONS AND BED CONFIGURATIONS.

18 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL14FSAB AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

17 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

16 COSLIDE WILL ACCOMMODATE THE MODELS MENTIONED IN TABLE PROVIDING THE LOAD DOES NOT EXCEED THE CAPACITY OF APPROPRIATE MILNOR DRYER.

15 COMPRESSED AIR IS NEEDED ON ALL SHUTTLES THAT EXTEND/STIK, 1/2 [13] NPT.

14 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

13 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.

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CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
14 = LENGTH OF BED (14 = 14'-6")
F = EXTENDS TO LOAD 8", STIKS TO DISCHARGE 8"
S = SINGLE BED

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CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

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

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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.

CL4014FS

DWG# BDCL14FSAE 2011052D

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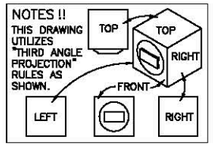
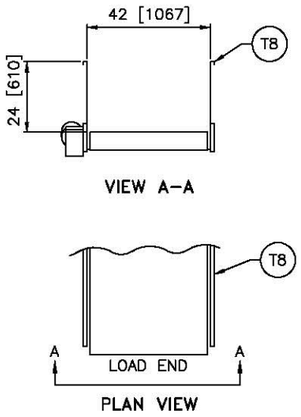
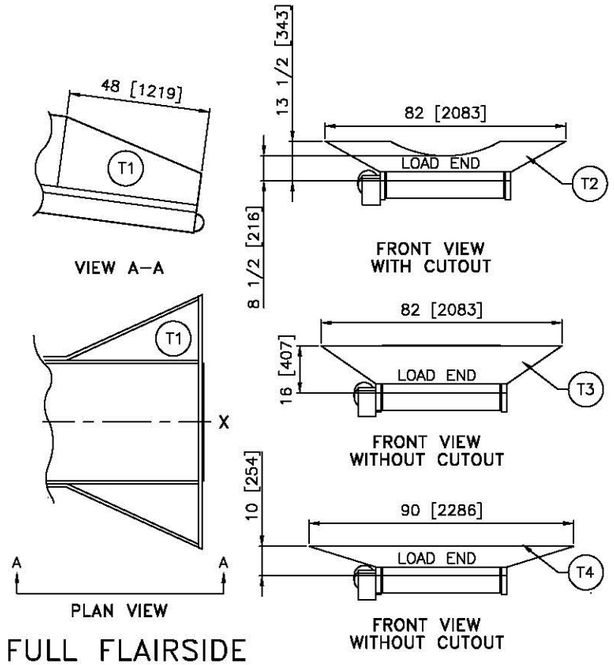
FAX 504/469-1849, Telex ITT 460124/PELM UI, Cable PELMILNOR

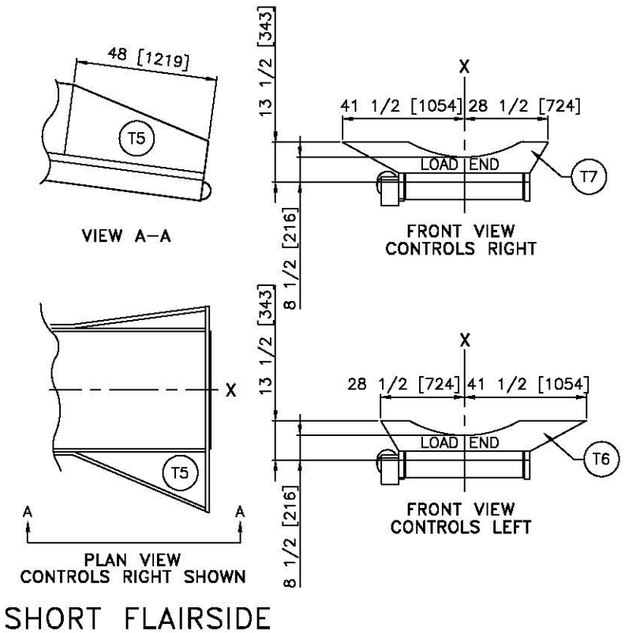




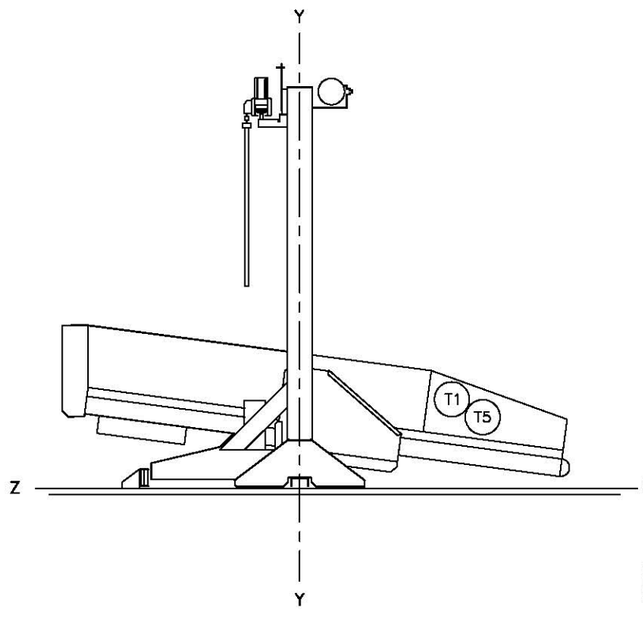
STRAIGHT SIDES



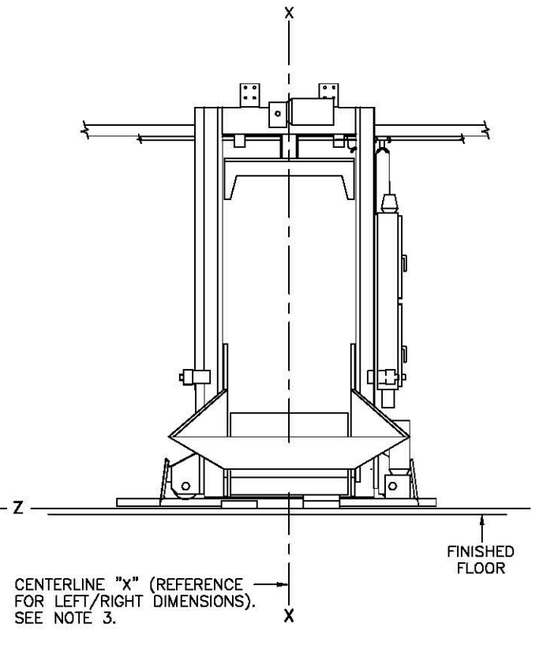
FULL FLAIRSIDE



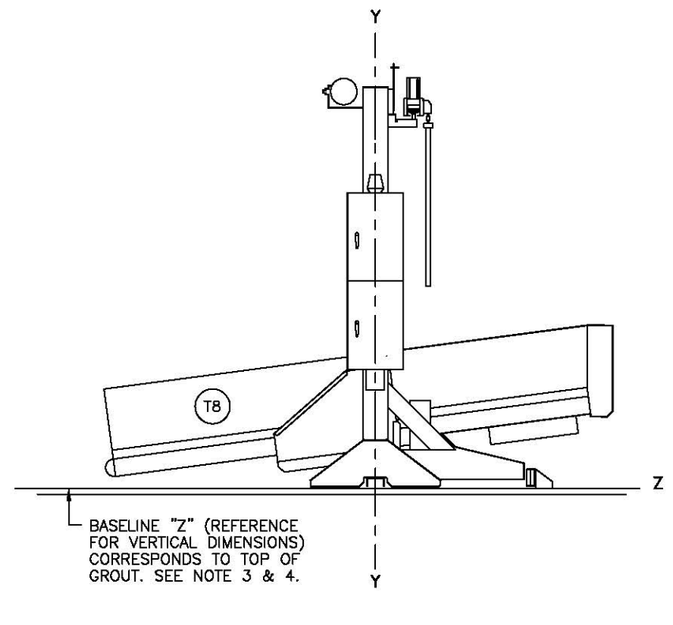
SHORT FLAIRSIDE



LEFT SIDE VIEW



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

ITEM	LEGEND
T8	STRAIGHT SIDES, NO FLAIR.
T7	ENDGATE FOR SHORT FLAIR, CONTROLS RIGHT, WHEN USED.
T6	ENDGATE FOR SHORT FLAIR, CONTROLS LEFT, WHEN USED.
T5	SHORT FLAIRSIDE, ALWAYS SHORTER ON CONTROL SIDE.
T4	ENDGATE FOR FULL EXTRA–WIDE FLAIRSIDE, WHEN USED.
T3	ENDGATE FOR FULL FLAIRSIDE, WHEN USED.
T2	ENDGATE WITH CUTOUT FOR FULL FLAIRSIDE, WHEN USED.
T1	FULL FLAIRSIDE.

NOTES

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

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

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

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

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

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CL4014FS OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BDCL14FSAB 96421D

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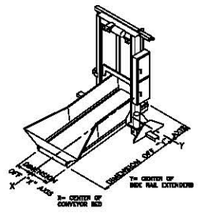
DRYER MODEL NO.	DIMENSION "H" INCHES	mm
50040	112 3/8	2854
58040	108 3/8	2753
58058	108 1/2	2756
58080	109	2769
64058	107 1/2	2731
64058	107 1/2	2731



WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER		CL4014MS DIMENSIONS				DIMENSION "C" 580XX DRYERS ROLLER LOAD HEIGHT		DIMENSION "C" 6458 DRYERS LOAD HEIGHT		DIMENSION "C" 7272 DRYERS LOAD HEIGHT	
														DIMENSION "A"		DIMENSION "B"							
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
		−10 1/2	267	–	–	–	–	0	0	0	0	7	178	122 1/2	3112	116 1/2	2959	57	1448	57 1/2	1460	57 1/2	1460
–	–	−7	−178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	356	126	3200	120	3048	60 1/2	1537	61	1549	61	1549
−7	−178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	446	133	3378	127	3226	67 1/2	1715	68	1727	68	1727
−3 1/2	−89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	136 1/2	3467	130 1/2	3315	71	1803	71 1/2	1816	71 1/2	1816
0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	140	3556	134	3404	74 1/2	1892	75	1905	75	1905
3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	143 1/2	3645	137 1/2	3492	78	1981	78 1/2	1994	78 1/2	1994
7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	147	3734	141	3581	81 1/2	2070	82	2083	82	2083
14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	154	3912	148	3759	88 1/2	2248	89	2261	89	2261
21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	161	4089	155	3937	95 1/2	2426	96	2438	96	2438
28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	168	4267	162	4115	102 1/2	2604	103	2616	103	2616
35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	175	4445	169	4293	109 1/2	2781	110	2794	110	2794
42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	182	4623	176	4470	116 1/2	2959	117	2972	117	2972
49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	189	4801	183	4648	123 1/2	3137	124	3150	124	3150
56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		80 1/2	2045	196	4978	190	4826	130 1/2	3315	131	3327	131	3327
63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		87 1/2	2223	203	5156	197	5004	137 1/2	3493	138	3505	138	3505
70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		94 1/2	2400	210	5334	204	5182	144 1/2	3670	145	3683	145	3683

MOTOR, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 8.

BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4
BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3
BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)

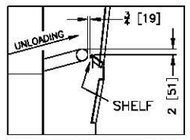
CONTROLS RIGHT (SOLID) E1, E2
CONTROLS LEFT (DASHED) E1, E2

FESTOON RIGHT (SOLID) N1
FESTOON LEFT (REVERSE OF ABOVE)

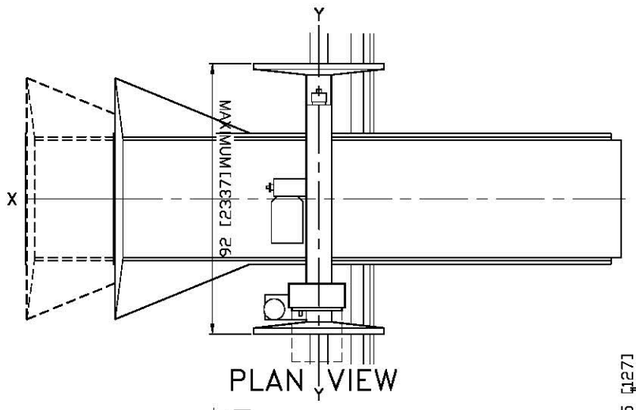
HOIST MOTOR ALWAYS IN "FACING PRESS" M1

DIMENSIONS THAT VARY WITH MACHINE MODEL

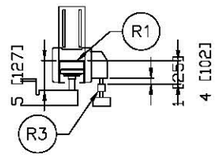
TILTING WASHER EXTRACTOR MODEL NUMBER	DIMENSION "L" INCHES	mm	DIMENSION "M" INCHES	mm
48032 BTL, BTN	10 1/4	260	26 1/4	667
48036 QTL, QTN	10 1/4	260	26 1/4	667
52038 WTL, WTN	6 1/2	165	25	635
64046 D6N, E6N, J6N	12	305	32 1/2	826
72046 D5N, E5N, J5N	12	305	33 1/2	851



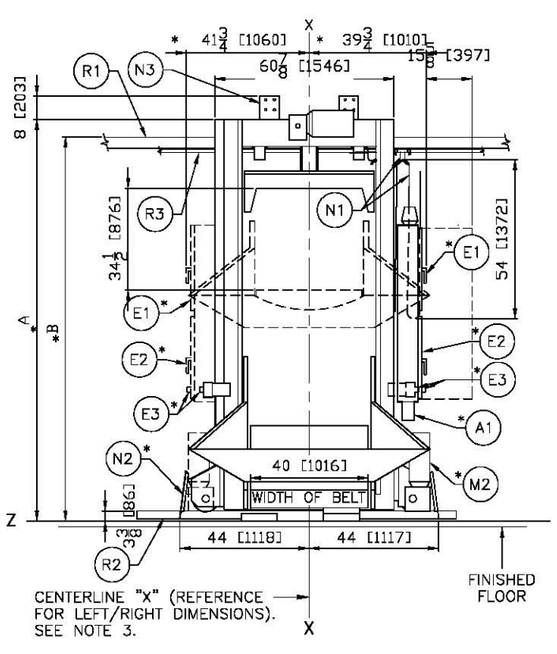
DETAIL: 6458 & 7272 SHELF LOADING ONLY



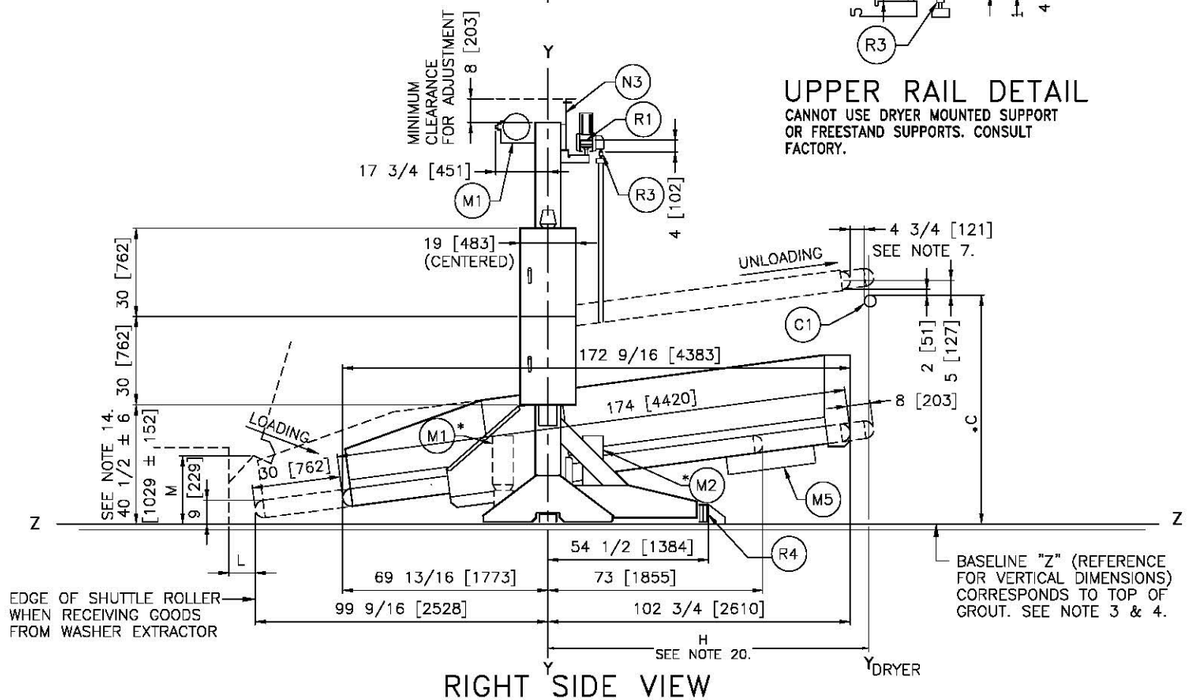
PLAN VIEW



UPPER RAIL DETAIL
CANNOT USE DRYER MOUNTED SUPPORT OR FREESTAND SUPPORTS. CONSULT FACTORY.



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

ITEM	LEGEND
R4	OUTRIGGER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST.
N3	MOUNTING BRACKET FOR STOP SWITCH
N2	SAFETY KICK PLATE, SPRING LOADED.
N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST FOR NUMBER OF CARS.
M5	BELT MOTOR, UNDERDRIVE.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 11.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT HAND POSITION "DASHED").
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER INTERFACE.
A1	AIR VALVE BOX. ALWAYS UNDER ELECTRIC BOXES

NOTES

20 DIMENSION "H" IS FROM "Y" OF THE SHUTTLE TO"Y" OF THE DRYER. SEE DRYER DIMENSIONAL DRAWING
19 SEE BDCL14MSBB FOR OPTIONS AND BED CONFIGURATIONS.
18 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL14MSBB AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.
17 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.
16 COSLIDE WILL ACCOMMODATE THE MODELS MENTIONED IN TABLE PROVIDING THE LOAD DOES NOT EXCEED THE CAPACITY OF APPROPRIATE MILNOR DRYER.
15 COMPRESSED AIR IS NEEDED ON ALL SHUTTLES THAT EXTEND/STIK, 1/2 [13] NPT.
14 SEE BDLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.
13 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.
12 SEE BDLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.
11 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.
10 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.
9 THE SHUTTLE NAME CONFIGURATION IS AS FOLLOWS:
CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
14 = LENGTH OF BED (14 = 14'-6")
M = EXTENDS TO LOAD 30", STIKS TO DISCHARGE 8"
S = SINGLE BED
*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.
7 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.
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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3 USE REFERENCE LINES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.
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CL4014MS

DWG# BDCL14MSBE 20062555D

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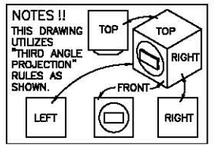
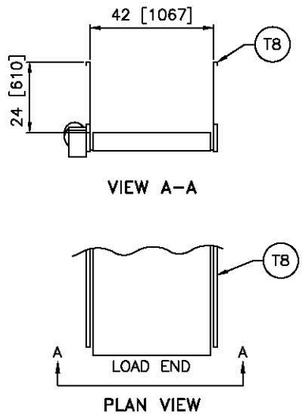
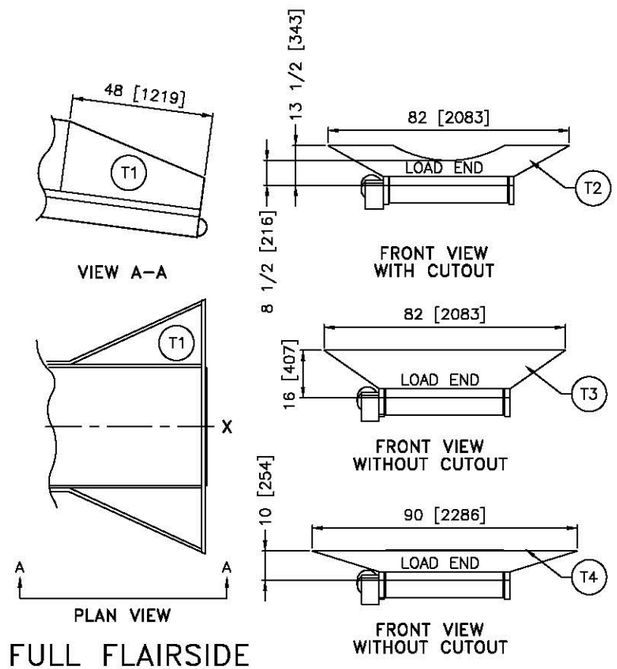
NOTES !!
THIS DRAWING UTILIZES "THIRD ANGLE PROJECTION" RULES AS SHOWN.

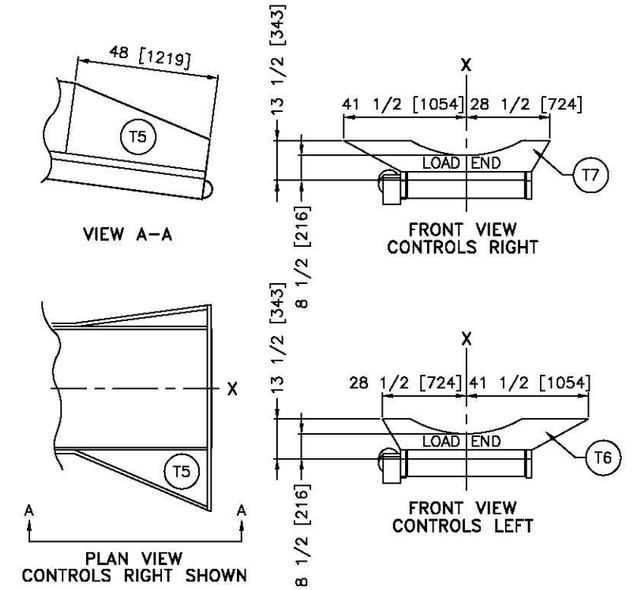




STRAIGHT SIDES



FULL FLAIRSIDE



SHORT FLAIRSIDE

ITEM	LEGEND
T8	STRAIGHT SIDES, NO FLAIR.
T7	ENDGATE FOR SHORT FLAIR, CONTROLS RIGHT, WHEN USED.
T6	ENDGATE FOR SHORT FLAIR, CONTROLS LEFT, WHEN USED.
T5	SHORT FLAIRSIDE, ALWAYS SHORTER ON CONTROL SIDE.
T4	ENDGATE FOR FULL EXTRA-WIDE FLAIRSIDE, WHEN USED.
T3	ENDGATE FOR FULL FLAIRSIDE, WHEN USED.
T2	ENDGATE WITH CUTOUT FOR FULL FLAIRSIDE, WHEN USED.
T1	FULL FLAIRSIDE.

NOTES

15 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL14MSBE AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

14 COMPRESSED AIR IS NEEDED ON ALL SHUTTLE THAT EXTEND/STIK, 1/2 [13] NPT.

13 SEE BDLTRAILBE FOR DIMENSIONS OF RAILS AND SUPPORTS.

12 SEE BDLTRCLRBE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

11 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

10 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

9 THE SHUTTLE NAME CONFIGURATION IS AS FOLLOWS:
CL = MICROPROCESSOR/TRANSLATE/ELEVATES
40 = BELT WIDTH IN INCHES
14 = LENGTH OF BED (14 = 14'-6")
M = EXTENDS TO LOAD 30", STIKS TO DISCHARGE 8"
S = SINGLE BED

*8 THE SHUTTLE IS AVAILABLE IN VARIOUS HEIGHTS, CONVEYOR SIZES AND COMPONENT PLACEMENT CONFIGURATIONS AS SHOWN IN THE TABLES HEREIN. COMPONENT LOCATIONS AND DIMENSIONS SHOWN WITH AN ASTERISK ARE THOSE EFFECTED BY MACHINE SPECIFICATIONS. IT IS NECESSARY TO REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

7 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

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

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

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

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

2 NUMBERS IN BRACKETS [] DENOTE DIMENSIONS IN MILLIMETERS.

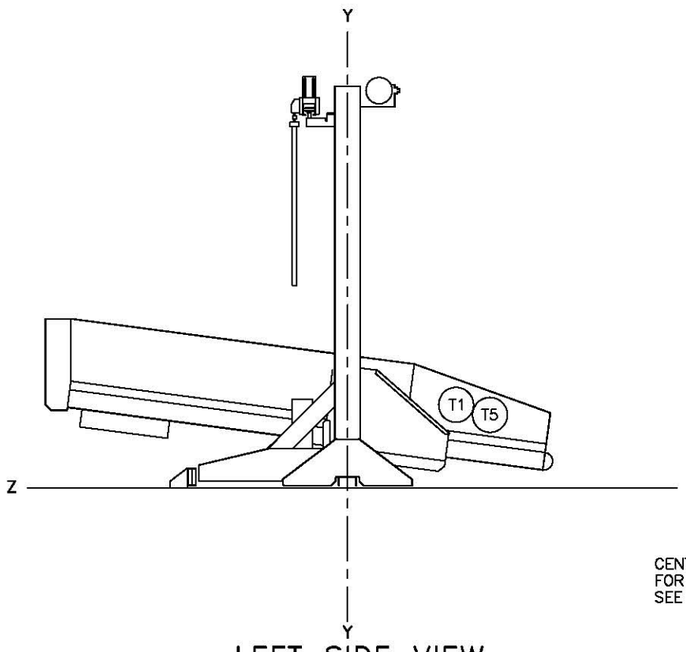
1 ALL DIMENSIONS SHOWN ARE APPROXIMATE, SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REDESIGN AND/OR RELOCATION OF COMPONENTS, ETC. DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED, AND IN NO EVENT PRE-PIPE CLOSER THAN FIVE FEET FROM MACHINE. FACTORY MUST BE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

ATTENTION

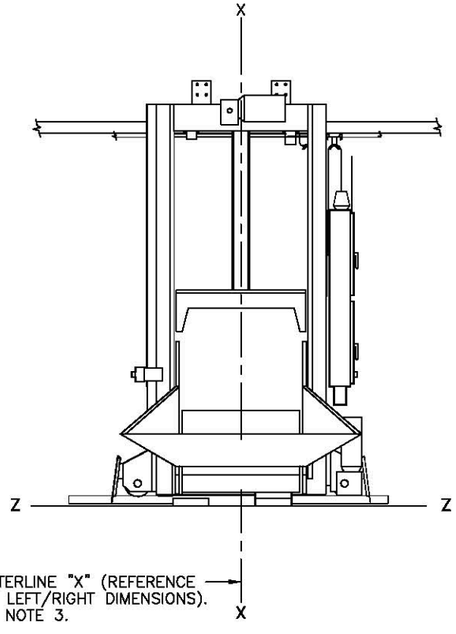
MOST REGULATORY AUTHORITIES (INCLUDING OSHA IN THE USA) HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, FURNISH SAFETY INSTRUCTIONS AND GUIDANCE TO ALL PERSONNEL WHO MAY COME IN CONTACT WITH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

ATTENTION

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

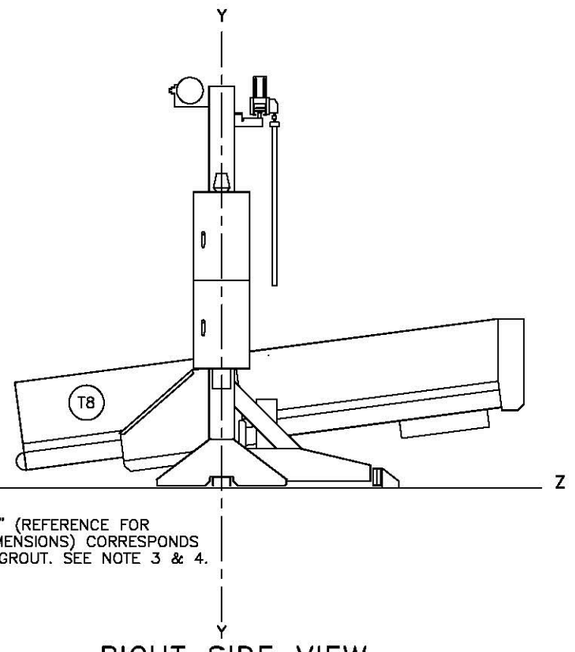


LEFT SIDE VIEW



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

FRONT (LOAD END) VIEW



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

RIGHT SIDE VIEW

CL4014MS OPTIONS

DM 0 0.5M 1M
INCHES 0 12 24 36

DWG# BDCL14MSBB 96418D

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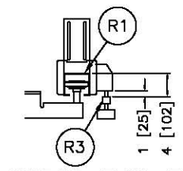
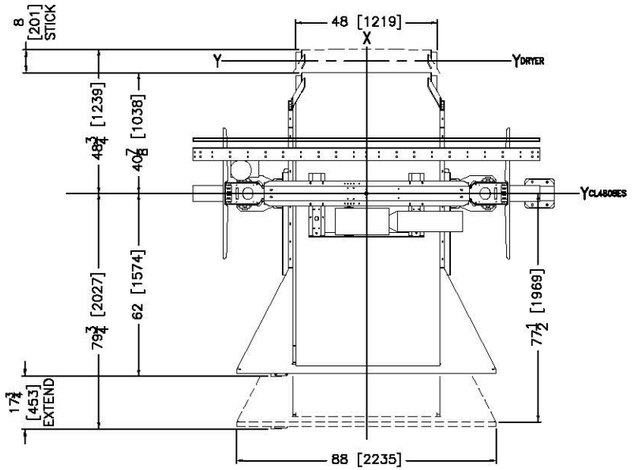
P.O. Box 400 Kenner, LA 70063, USA, Phone 504/467-9591,
FAX 504/468-1848, Telex ITT 460124/PELM UI, Cable PELMILNOR

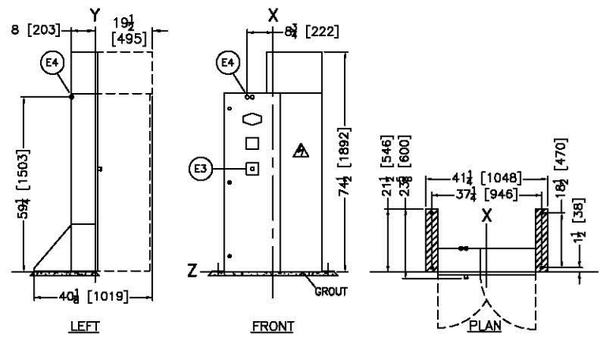
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7676TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 7272TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6458/6464TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58080TG1/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58058TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 58040TG2/TS1		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 50040TS1		USE THIS SIDE RAIL EXTENDER		CL4808ES				DIMENSION "D" 580XX DRYERS ROLLER LOAD HEIGHT		DIMENSION "C" 6458/6464DRYERS LOAD HEIGHT		DIMENSION "C" 7272 DRYERS LOAD HEIGHT		DIMENSION "C" 7676 DRYERS LOAD HEIGHT	
																DIMENSION "A"		DIMENSION "B"									
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
				−10 1/2	267	–	–	–	–	0	0	0	0	7	178	122 1/2	3112	116 1/2	2959	57	1448	57 1/2	1460	57 1/2	1460	–	–
–	–	–	–	−7	−178	–	–	–	–	3 1/2	89	3 1/2	89	10 1/2	267	126	3200	120	3048	60 1/2	1537	61	1549	61	1549	–	–
–	–	−7	−178	0	0	–	–	–	–	10 1/2	267	10 1/2	267	17 1/2	445	133	3378	127	3226	67 1/2	1715	68	1727	68	1727	–	–
–	–	−3 1/2	−89	3 1/2	89	–	–	0	0	14	356	14	356	21	533	136 1/2	3467	130 1/2	3315	71	1803	71 1/2	1816	71 1/2	1816	–	–
0	0	0	0	7	178	–	–	3 1/2	89	17 1/2	445	17 1/2	445	24 1/2	622	140	3556	134	3404	74 1/2	1892	75	1905	75	1905	75	1905
3 1/2	89	3 1/2	89	10 1/2	267	0	0	7	178	21	533	21	533	28	711	143 1/2	3645	137 1/2	3493	78	1981	78 1/2	1994	78 1/2	1994	78 1/2	1994
7	178	7	178	14	356	3 1/2	89	10 1/2	267	24 1/2	622	24 1/2	622	31 1/2	800	147	3734	141	3581	81 1/2	2070	82	2083	82	2083	82	2083
14	356	14	356	21	533	10 1/2	267	17 1/2	445	31 1/2	800	31 1/2	800	38 1/2	978	154	3912	148	3759	88 1/2	2248	89	2261	89	2261	89	2261
21	533	21	533	28	711	17 1/2	445	24 1/2	622	38 1/2	978	38 1/2	978	45 1/2	1156	161	4089	155	3937	95 1/2	2426	96	2438	96	2438	96	2438
28	711	28	711	35	889	24 1/2	622	31 1/2	800	45 1/2	1156	45 1/2	1156	52 1/2	1334	168	4267	162	4115	102 1/2	2604	103	2616	103	2616	103	2616
35	889	35	889	42	1067	31 1/2	800	38 1/2	978	52 1/2	1334	52 1/2	1334	59 1/2	1511	175	4445	169	4293	109 1/2	2781	110	2794	110	2794	110	2794
42	1067	42	1067	49	1245	38 1/2	1156	45 1/2	1156	59 1/2	1511	59 1/2	1511	66 1/2	1689	182	4623	176	4470	116 1/2	2959	117	2972	117	2972	117	2972
49	1245	49	1245	56	1422	45 1/2	1156	52 1/2	1334	66 1/2	1689	66 1/2	1689	73 1/2	1867	189	4801	183	4648	123 1/2	3137	124	3150	124	3150	124	3150
56	1422	56	1422	63	1600	52 1/2	1334	59 1/2	1511	CONSULT FACTORY		CONSULT FACTORY		80 1/2	2045	196	4978	190	4826	130 1/2	3315	131	3327	131	3327	131	3327
63	1600	63	1600	70	1778	59 1/2	1511	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		87 1/2	2223	203	5156	197	5004	137 1/2	3493	138	3505	138	3505	138	3505
70	1778	70	1778	77	1956	66 1/2	1689	CONSULT FACTORY		CONSULT FACTORY		CONSULT FACTORY		94 1/2	2400	210	5334	204	5182	144 1/2	3670	145	3683	145	3683	145	3683



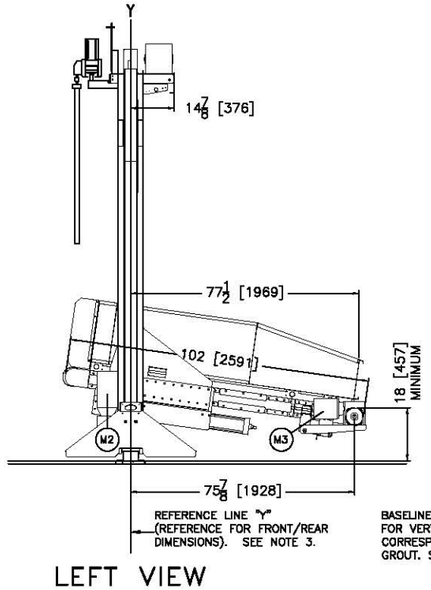
UPPER RAIL DETAIL



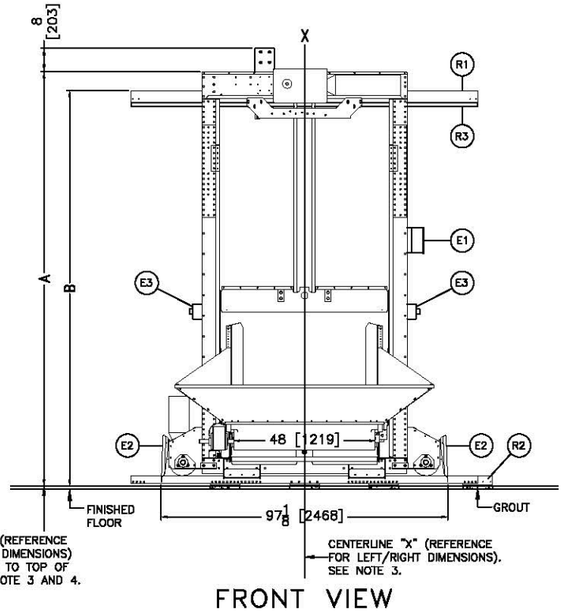
PLAN VIEW



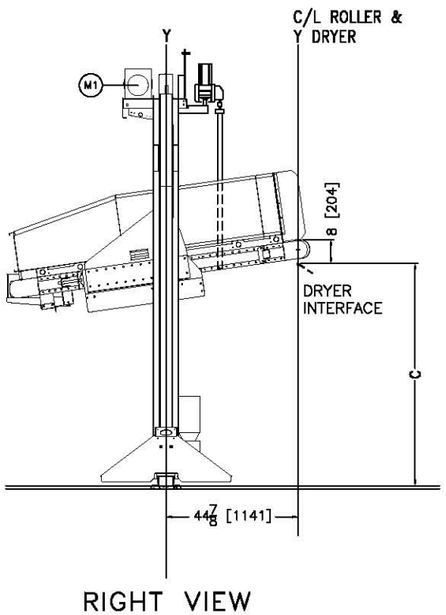
REMOTE SHUTTLE CONTROL BOX



LEFT VIEW
LOAD



FRONT VIEW



RIGHT VIEW
DISCHARGE

R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST. SEE NOTES 11 & 13.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY
	BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
M3	BELT MOTOR
M2	BOTTOM DRIVE MOTOR
M1	HOIST MOTOR
E4	ELECTRICAL & CONTROL CABLE CONNECTIONS FOR THE
	REMOTE SHUTTLE CONTROL BOX
E3	EMERGENCY STOP BUTTON
E2	EMERGENCY STOP KICK PLATE
E1	JUNCTION BOX
C1	POSITION OF MILNOR DRYER ROLLER TO SHOW PROPER
	INTERFACE.
ITEM	LEGEND

NOTES

14 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

13 SEE BOLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

12 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.

11 SEE BOLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

10 AFTER MACHINE HAS BEEN COMMISSIONED, BELT MAY STRETCH SLIGHTLY REQUIRING ADJUSTMENT OF BELT ROLLERS AND SLIGHT LENGTHENING OF CONVEYOR.

9 EMERGENCY STOPS AND EMERGENCY STOP KICK PLATES ARE ON LOCATED ON THE LEFT AND RIGHT SIDES OF THE SHUTTLE. ADDITIONALLY, AN EMEGENCY STOP IS LOCATED ON THE REMOTE SHUTTLE CONTROL BOX DOOR.

8 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENTIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS IF REQUIRED. CONSULT THE MILNOR FACTORY.

7 THE CL4808ES SHUTTLE CONFIGURATION IS AS FOLLOWS:
CL = MICROPROCESSOR/TRANSLATE/ELEVATES
48 = BELT WIDTH IN INCHES
08 = LENGTH OF BED (08=8'-8")
E = EXTENDS TO LOAD 18", STIKS TO DISCHARGE 8"
S = SINGLE BED

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.

CL4808ES

DM 0 0.5M
INCHES 0 12 24

DWG# BDCL4808ESAE
2024123D

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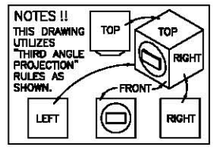
P.O. Box 400 Kenner, LA 70063, USA. Phone 504/467-9291,
FAX 504/468-3094. Email: milnorinfo@milnor.com

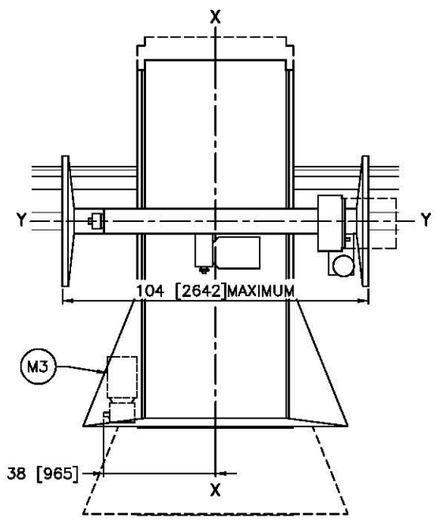


DIMENSIONS THAT VARY WITH MACHINE MODEL				
TILTING WASHER EXTRACTOR MODEL NUMBER	DIMENSION "L"		DIMENSION "M"	
	INCHES	mm	INCHES	mm
48032 BTL, BTN	10 1/4	260	26 1/4	667
48036 QTL, QTN	10 1/4	260	26 1/4	667
52038 WTL, WTN	6 1/2	165	25	635

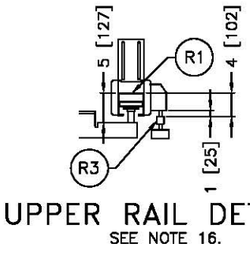
USE THIS SIDE RAIL EXTENDERS		SHUTTLE DIMENSIONS					
		DIMENSION "A"		DIMENSION "B"		DIMENSION "C"	
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
0	0	109 1/2	2781	115 1/2	2934	65	1651
7	178	116 1/2	2959	122 1/2	3112	72	1829
10 1/2	267	120	3048	126	3200	75 1/2	1918
17 1/2	356	127	3226	133	3378	85 1/2	2096
21	533	130 1/2	3315	136 1/2	3467	86	2184
24 1/2	622	134	3404	140	3556	89 1/2	2273
28	711	137 1/2	3493	143 1/2	3645	93	2362
31 1/2	800	141	3581	147	3734	96 1/2	2451
38 1/2	978	148	3759	154	3912	103 1/2	2629
45 1/2	1156	155	3937	161	4089	110 1/2	2807
52 1/2	1334	162	4115	168	4267	117 1/2	2985
59 1/2	1511	169	4293	175	4445	124 1/2	3162
66 1/2	1689	176	4470	182	4623	131 1/2	3340
73 1/2	1867	183	4648	189	4801	138 1/2	3518
80 1/2	2045	190	4826	196	4900	145 1/2	3696

DIMENSIONS THAT VARY WITH MACHINE MODEL									
MODEL No.	DIMENSION "D"		DIMENSION "E"		DIMENSION "F"		DIMENSION "G"		
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	
CL4808MS	102	2591	46 3/8	1178	101 1/8	2569	76 1/8	1934	
CL4810MS	126	3200	70 3/16	1783	124 15/16	3173	99 15/16	2538	

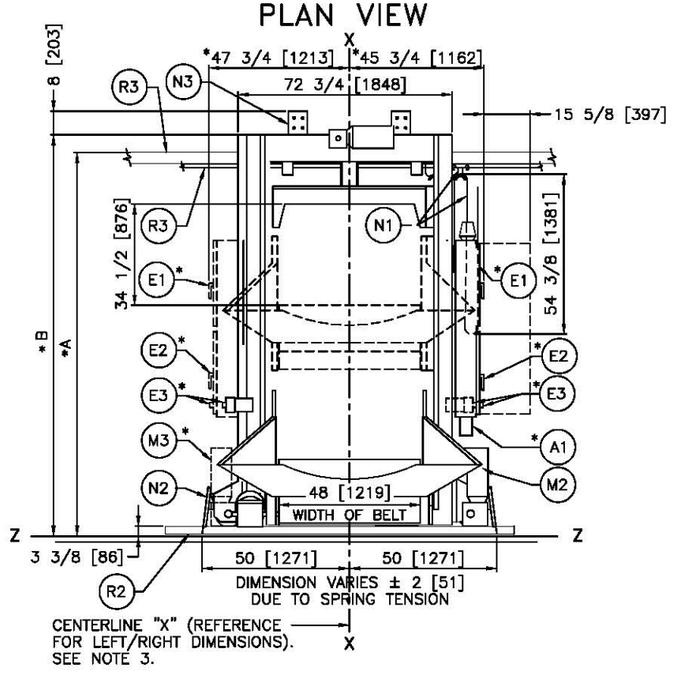
MOTOR, CONTROLS, AND FESTOON OPTIONS: SEE NOTE 8.
BOTTOM DRIVE MOTOR "FACING PRESS" RIGHT (SOLID) M2 BOTTOM DRIVE MOTOR "AWAY FROM PRESS" RIGHT (OPPOSITE OF ABOVE) M4 BOTTOM DRIVE MOTOR "FACING PRESS" LEFT (DASHED) M3 BOTTOM DRIVE MOTOR "AWAY FROM PRESS" LEFT (OPPOSITE OF ABOVE)
CONTROLS RIGHT (SOLID) E1, E2 CONTROLS LEFT (DASHED) E1, E2
FESTOON RIGHT (SOLID) N1 FESTOON LEFT (REVERSE OF ABOVE)
HOIST MOTOR ALWAYS IN "FACING PRESS" M1



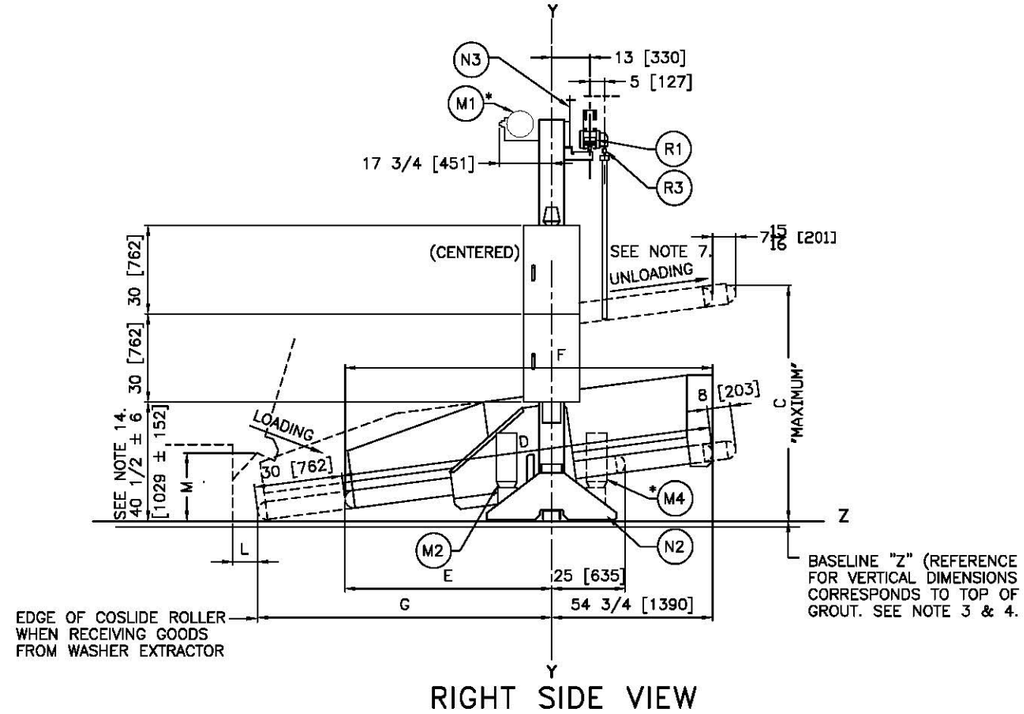
PLAN VIEW



UPPER RAIL DETAIL
SEE NOTE 16.



FRONT (LOAD END) VIEW



RIGHT SIDE VIEW

ITEM	LEGEND
R3	FESTOON RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
R2	BOTTOM DRIVE RAIL. RAIL SUPPLIED BY MILNOR AND MAY
	BE PRICED SEPARATELY. SEE PRICE LIST.
R1	UPPER RAIL. RAIL SUPPLIED BY MILNOR AND MAY BE
	PRICED SEPARATELY. SEE PRICE LIST.
N2	SAFETY KICK PLATE, SPRING LOADED.
*N1	FESTOON CABLE SUPPORT CARS. CARS ARE SUPPLIED BY
	MILNOR AND MAY BE PRICED SEPARATELY. SEE PRICE LIST
	FOR NUMBER OF CARS.
*M4	BOTTOM DRIVE MOTOR IN "AWAY FROM PRESS" RIGHT HAND
	LOCATION.
*M3	BOTTOM DRIVE MOTOR IN "FACING PRESS" LEFT HAND
	LOCATION.
*M2	BOTTOM DRIVE MOTOR IN "FACING PRESS" RIGHT HAND
	LOCATION.
M1	HOIST MOTOR ALWAYS IN "FACING PRESS" LOCATION.
E3	EMERGENCY STOP BUTTON. SEE NOTE 11.
*E2	LOW VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT
	HAND POSITION "DASHED").
*E1	HIGH VOLTAGE CONTROL BOX IN RIGHT HAND POSITION (LEFT
	HAND POSITION "DASHED").
*A1	AIR VALVE BOX. ALWAYS UNDER ELECTRIC BOXES

NOTES

19 SEE BDCL48MSAB FOR OPTIONS AND BED CONFIGURATIONS.

18 THESE SHUTTLES ARE AVAILABLE WITH VARIOUS CONVEYOR BED CONFIGURATIONS. REFER TO THE SPECIFICATIONS FOR YOUR MACHINE AS WELL AS BDCL48MSAB AND THIS DRAWING FOR COMPLETE DIMENSIONAL INFORMATION.

17 DIMENSIONS IN UPPER RAIL DETAIL MUST BE HELD WITHIN 1/4" [6] ALONG THE ENTIRE RAIL LENGTH.

16 COSLIDE WILL ACCOMMODATE THE MODELS MENTIONED IN TABLE PROVIDING THE LOAD DOES NOT EXCEED THE CAPACITY OF APPROPRIATE MILNOR DRYER.

15 COMPRESSED AIR IS NEEDED ON ALL COSLIDE CONVEYORS, 1/2 [13] NPT.

14 SEE BOLTRAILAE FOR DIMENSIONS OF RAILS AND SUPPORTS.

13 DIMENSION VARIES WITH HEIGHT OF EXTENDERS WHEN ADDED.

12 SEE BOLTRCLRAE FOR DIMENSIONS OF SHUTTLE AT LAST STOP PLACE TO END OF RAIL OR WALL.

11 EMERGENCY STOPS ARE REQUIRED ON BOTH LEFT AND RIGHT SIDES OF THE SHUTTLE. ONE OF THE TWO EMERGENCY STOPS IS INSTALLED INTO THE DOOR OF THE CONTROL BOX. THE SECOND EMERGENCY STOP IS MOUNTED TO THE SIDE RAIL MEMBER OPPOSITE THE CONTROLS.

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

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CL4808MS & CL4810MS

DWG# BDCL48MSCE 2006255D

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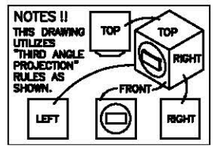
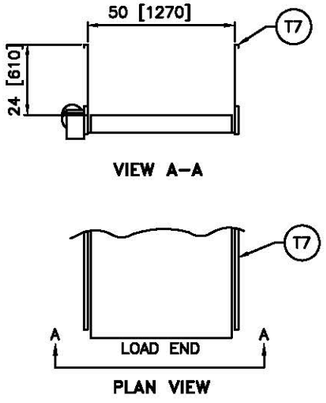
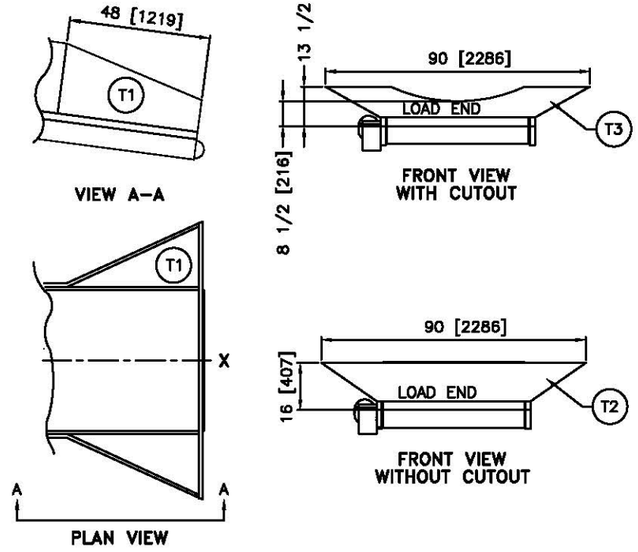
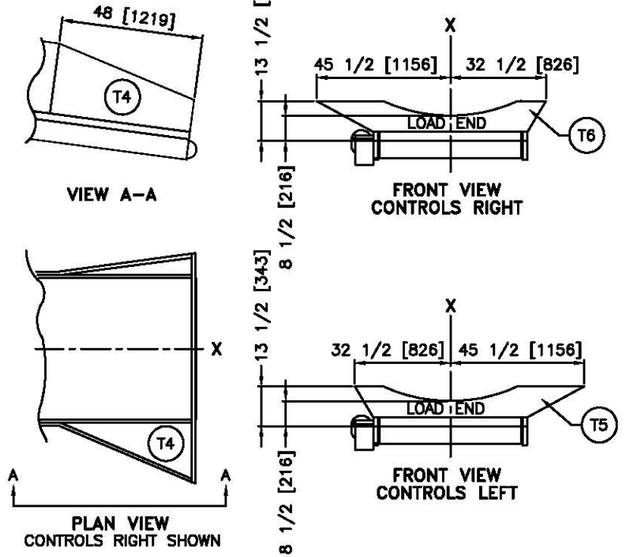




STRAIGHT SIDES



FULL FLAIRSIDE



SHORT FLAIRSIDE

ITEM	LEGEND
T7	STRAIGHT SIDES, NO FLAIR.
T6	ENDGATE FOR SHORT FLAIR, CONTROLS RIGHT, WHEN USED.
T5	ENDGATE FOR SHORT FLAIR, CONTROLS LEFT, WHEN USED.
T4	SHORT FLAIRSIDE, ALWAYS SHORTER ON CONTROL SIDE.
T3	ENDGATE WITH CUTOUT FOR FULL FLAIRSIDE, WHEN USED.
T2	ENDGATE FOR FULL FLAIRSIDE, WHEN USED.
T1	FULL FLAIRSIDE.

NOTES

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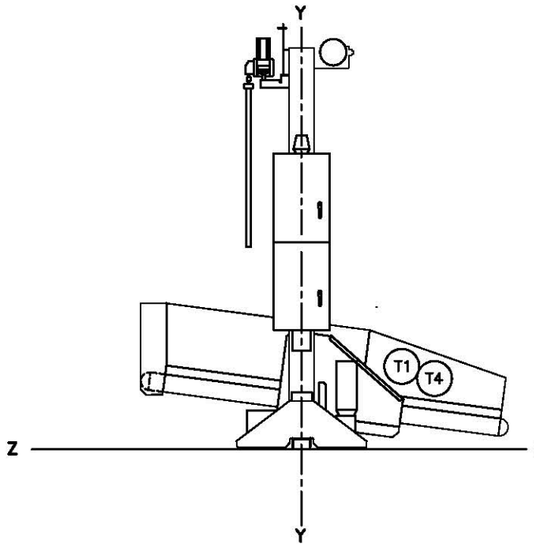

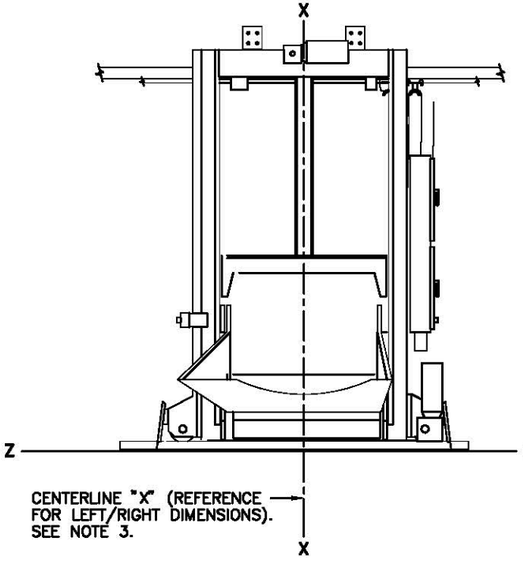

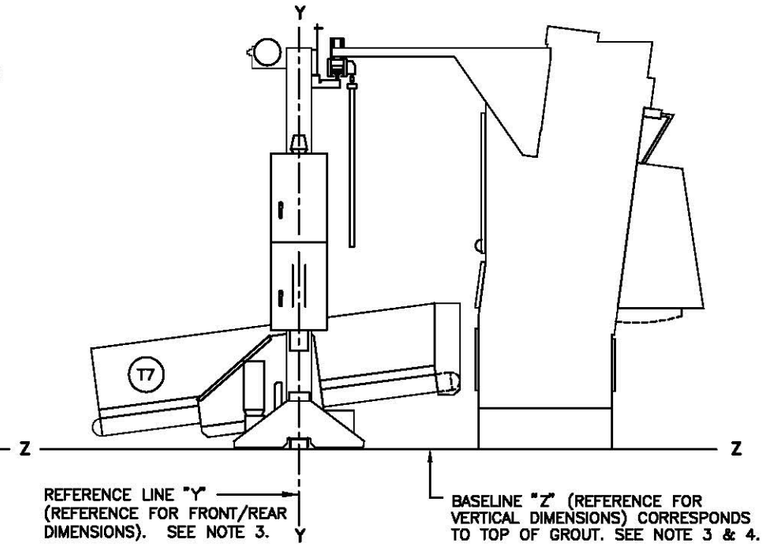

CL4808MS & CL4810MS OPTIONS

DWG BDCL48MSCB 98418D

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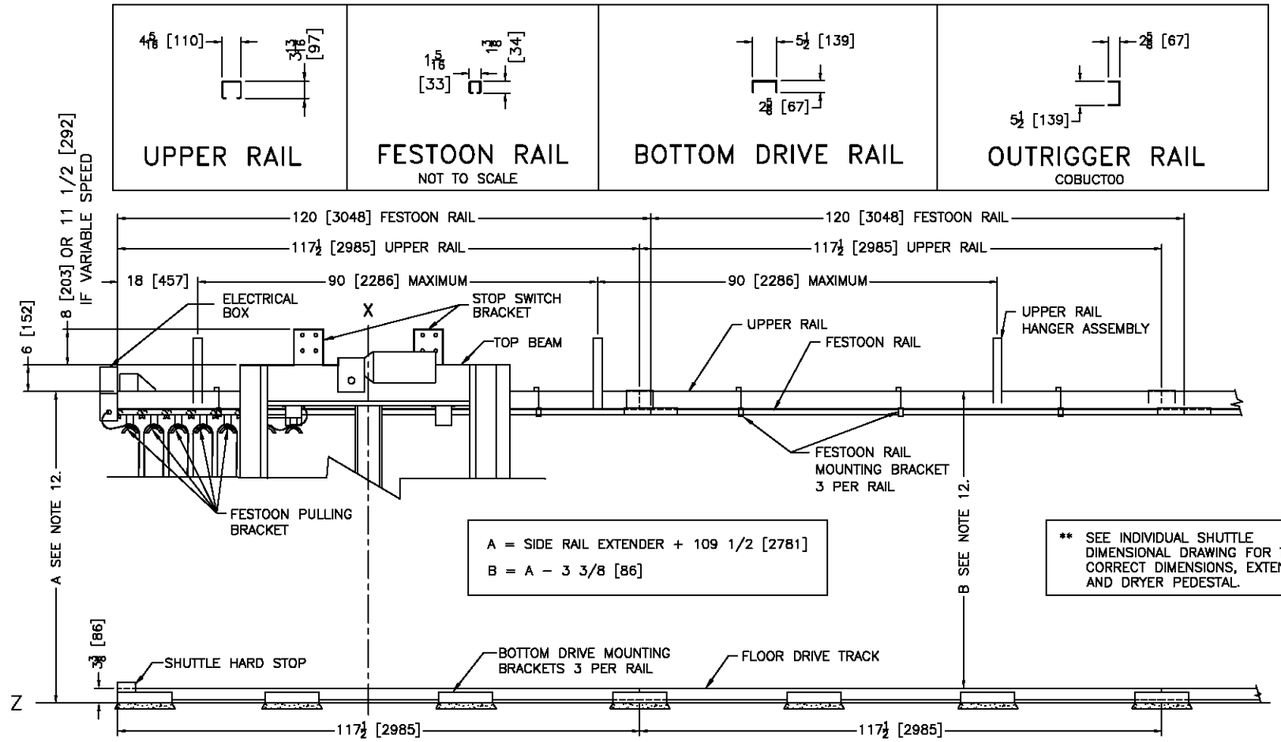
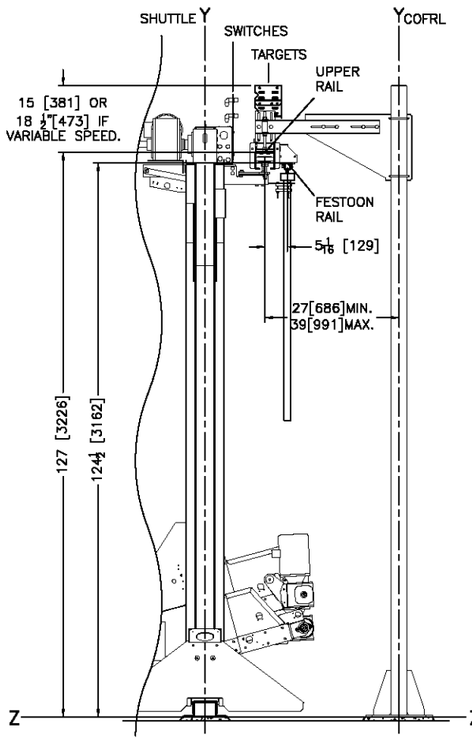
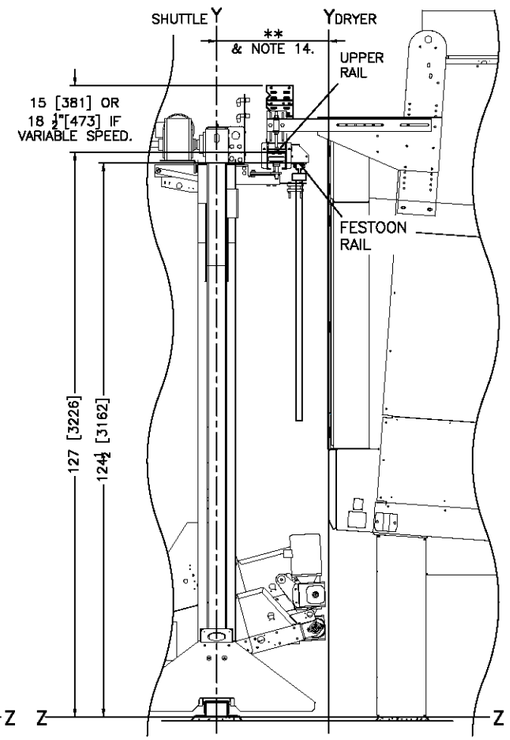


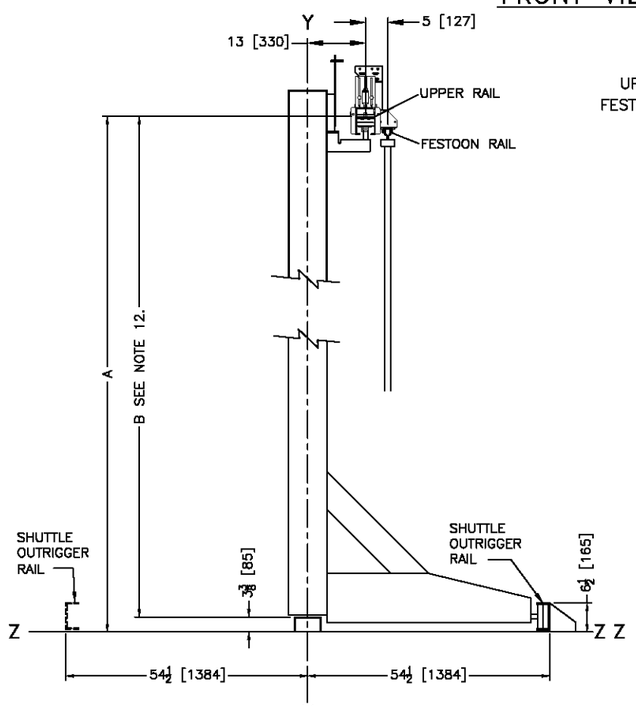


COFRL RAIL SUPPORT

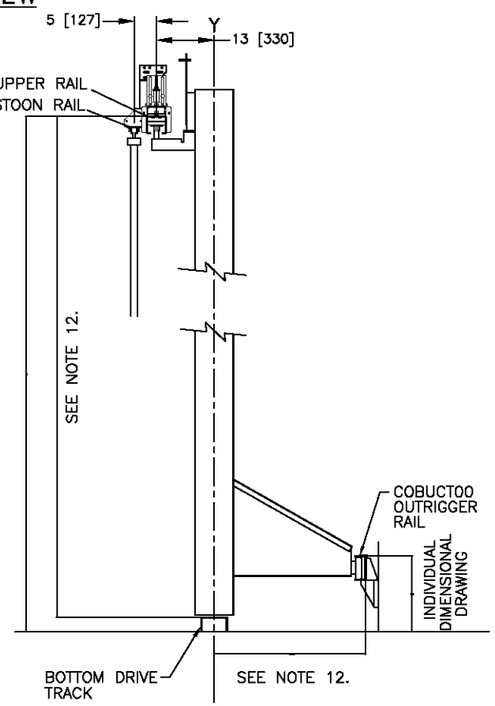


DRYER RAIL SUPPORT

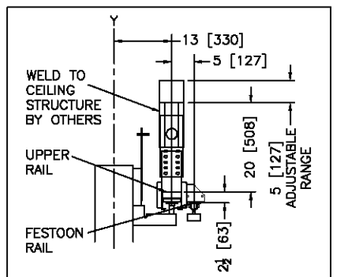
FRONT VIEW



SHUTTLE RIGHT SIDE VIEW
OUTRIGGER RAIL USED CL4014CS/MS/FS/GS



COBUCTOO RIGHT SIDE VIEW



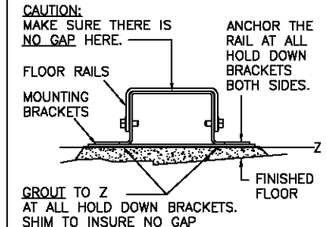
CEILING SUPPORT

(OVERALL HEIGHT WHEN CEILING SUPPORTED)

FLOOR RAIL INSTALLATION

ALL FLOOR RAILS MUST BE LEVEL, SQUARE, AND PERFECTLY PARALLEL TO THE DRYERS ALONG THE ENTIRE LENGTH.

CAUTION:



NOTES

14 ALL RAILS MUST BE LEVEL, PERFECTLY PARALLEL, AND SQUARE TO THE DRYERS ALONG THE ENTIRE LENGTH OF RAIL.

13 CAUTION – ANY TWISTING AND/OR SKEWING OF THE RAILS MAY CAUSE EXCESSIVE WEAR OR DAMAGE OF DRIVE WHEELS AND/OR MOTOR.

12 DIMENSIONS MUST BE HELD WITHIN ±1 [25] ALONG THE ENTIRE RAIL LENGTH.

11 SWAY BRACES ARE RECOMMENDED FROM EVER CEILING MOUNTED RAIL SUPPORT. SWAY BRACE DESIGN AND HARDWARE IS NOT THE RESPONSIBILITY OF PMC.

10 CEILING MOUNTED RAIL SUPPORTS MAY BE USED TO SUPPORT RAIL FROM CEILING. FIELD INNOVATION IS REQUIRED, INCLUDING VERIFICATION BY COMPETENT OTHER PERSONS THAT THE CEILING IS ADEQUATE TO SUPPORT AND STEADY THE LOAD. THIS IS NOT THE RESPONSIBILITY OF PMC.

9 FOR RAIL INSTALLATION, BOTH UPPER SUPPORT RAIL AND LOWER GUIDE RAIL MUST BE SUPPORTED EVERY 84 [2134] OF LINEAL RAIL.

8 WHENEVER CLEARANCE REQUIREMENTS PERMIT, THE DRYER MOUNTED SUPPORT BRACKET FOR THE SUPPORT RAIL IS SHIPPED PREASSEMBLED ON THE DRYER.

7 DISTANCE BETWEEN RAILS, RELATIVE POSITIONING AND HEIGHT OFF FLOOR VARIES WITH MACHINE SPECIFICATION FOR EACH INSTALLATION. SEE SHUTTLE DIMENSIONAL DRAWINGS.

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SHUTTLE RAILS (JRAIL SHUTTLES)

DM 0 0.25M
INCHES 0 12

BDLTRAILCE
2020224D

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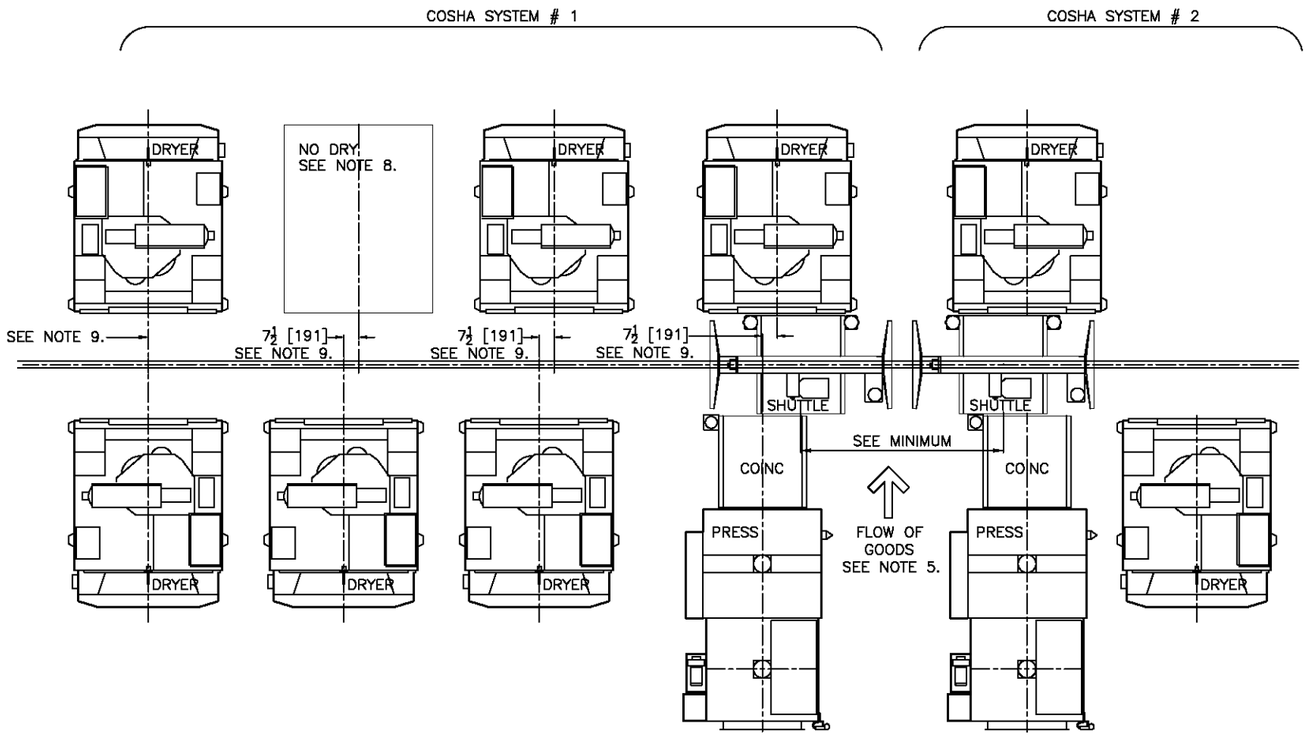
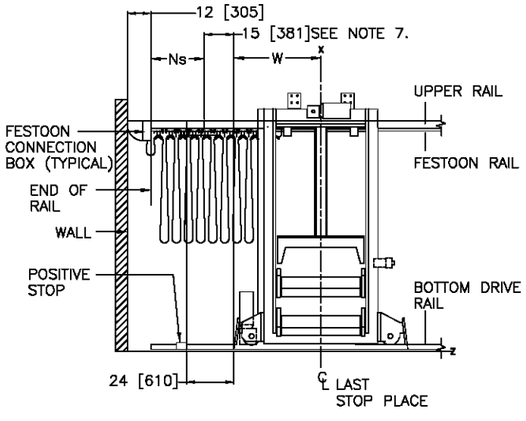
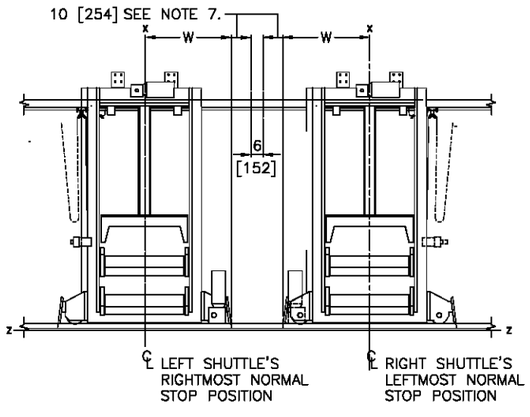
FAX 504/468-3094, Email: milnorinfo@milnor.com



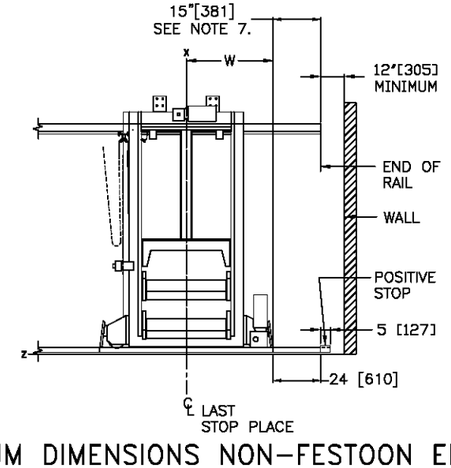
PLAN VIEW – MINIMUM COMPONENT SPACING



MINIMUM DIMENSIONS FESTOON END TO END OF RAIL & WALL



MINIMUM DIMENSIONS BETWEEN TWO SHUTTLES WHEN FESTOONING FROM OPPOSITE ENDS.



MINIMUM DIMENSIONS NON-FESTOON END TO END OF RAIL & WALL

W = WIDTH DIMENSION FROM "X" TO OUTERMOST PART OF SHUTTLE.
(SEE DRAWING OF YOUR SPECIFIC SHUTTLE FOR THIS DIMENSION)

HOW TO CALCULATE THE MINIMUM PARKING LENGTH FOR FESTOON CARS:

Ns = FESTOON CAR PARKING SPACE FOR SYSTEMS WITH STRAIGHT RAILS ONLY.

$$= \left[\frac{(\text{TOTAL RAIL LENGTH} - 117.5")}{117\ 1/2"} + 3 \right] \times 6"$$

NOTES

9 COSHA RECEIVE AND/OR DISCHARGE POSITIONS ON OPPOSITE SIDES OF THE RAIL MAY BE EITHER EXACTLY ALIGNED OR OFFSET BY AT LEAST 7 1/2" [191].

8 WHENEVER POSSIBLE, NO-DRY POSITIONS SHOULD BE ALLOCATED THE SAME SPACE AND CLEARANCE AS A DRYER TO ACCOMMODATE THE FUTURE ADDITION OF A DRYER.

7 SHUTTLE: TO ACCOMMODATE THE SHUTTLE "OOPS SWITCH" AND THE MECHANICAL END SAFETY STOP, THE TOTAL RAIL LENGTH AT EACH END MUST PERMIT THE SHUTTLE TO TRAVEL AT LEAST 15" [381] BEYOND ITS LAST NORMAL STOP PLACE. MOREOVER, IF THE CABLE SUPPORT CARS ARE CARRIED BY THE SHUTTLE SUPPORT RAIL, THERE MUST BE SUFFICIENT ADDITIONAL RAIL LENGTH TO PARK ALL THE RECOMMENDED FESTOON CABLE SUPPORT CARS AS WELL. FESTOON CARS REQUIRE 6"[152] EACH.

6 ALL MINIMUM DIMENSIONS ARE ABSOLUTE MINIMUMS AND DO NOT NECESSARILY ALLOW FOR EASE OF MAINTENANCE. GREATER CLEARANCE SHOULD BE ALLOWED WHERE DESIRED.

5 ALL REFERENCES TO LEFT AND RIGHT ARE, WHEN VIEWED, IN THE DIRECTION OF THE FLOW OF GOODS FROM THE PRESS ONTO THE SHUTTLE.

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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 [1209] IF OBJECT IS ANY LIVE PART.
CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.

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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.

MINIMUM CLEARANCE ALONG SHUTTLE RAIL

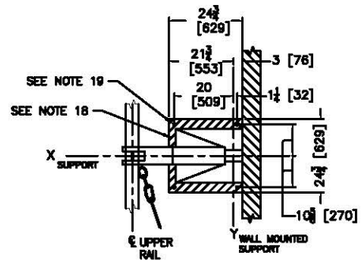
NOT TO SCALE | DWG# BDSHTCLRCE 2020205D

PELLERIN MILNOR CORPORATION
P.O. Box 400 Kenner, LA 70063, USA. Phone 504/467-9591,
FAX 504/469-1849, Telex ITT 460124/PELM UI, Cable PELMILNOR

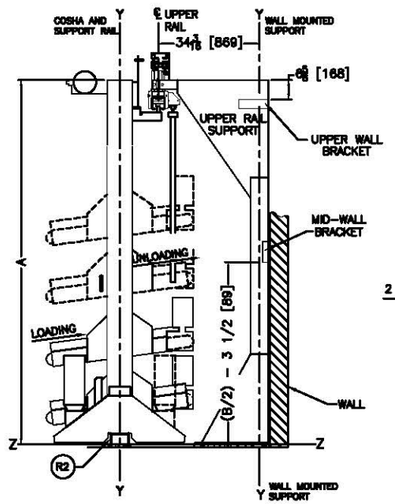
WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 6450, 6458, 6464		WHEN THIS DRYER PEDESTAL EXTENDER IS USED WITH DRYER 5804, 5040, 5050		SHUTTLE SIDE RAIL EXTENDER		HEIGHT DIMENSIONS			
						COFRE SUPPORT DIMENSION "A"		C–RAIL DIMENSION "B"	
INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
–10 1/2 *	–267	0	0	7	178	123	3124	116 1/2	2959
–7 *	–178	3 1/2	89	10 1/2	267	126 1/2	3213	120	3048
–3 1/2 *	–89	7	178	14	356	130	3302	123 1/2	3137
0	0	10 1/2	267	17 1/2	356	133 1/2	3391	127	3226
3 1/2	89	14	356	21	533	137	3480	130 1/2	3314
7	178	17 1/2	445	24 1/2	622	140 1/2	3569	134	3404
10 1/2	267	21	533	28	711	144	3658	137 1/2	3492
14	356	24 1/2	622	31 1/2	800	147 1/2	3746	141	3581
21	533	31 1/2	800	38 1/2	978	154 1/2	3924	148	3759
28	711	38 1/2	978	45 1/2	1156	161 1/2	4102	155	3937
31 1/2	800	42	1067	49	1245	165	4191	158 1/2	3962
35	889	45 1/2	1156	52 1/2	1334	168 1/2	4280	162	4115

OUTRIGGER RAIL HEIGHT			
	MMT/MXT4232 FOOT HEIGHT SPECIFIED	DIMENSION "C"	
		INCHES	mm
TUNNEL 60°C/L	+0" FOOT	14 3/8	365
TUNNEL 67°C/L	+7" FOOT	21 3/8	543

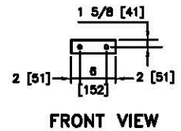
WALL MOUNTED SUPPORTS



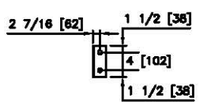
PLAN VIEW



RIGHT SIDE VIEW

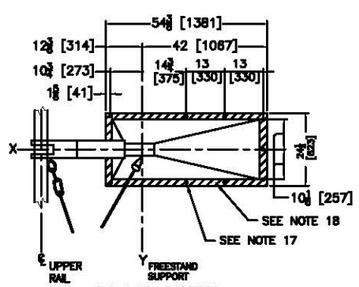


FRONT VIEW
UPPER WALL BRACKET
(NOT TO SCALE)

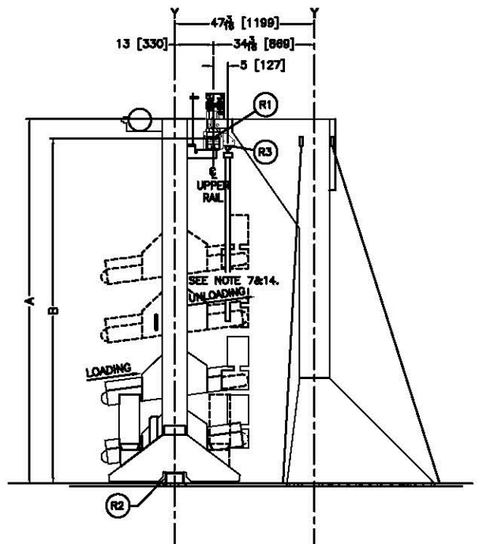


FRONT VIEW
MID–WALL BRACKET
(NOT TO SCALE)

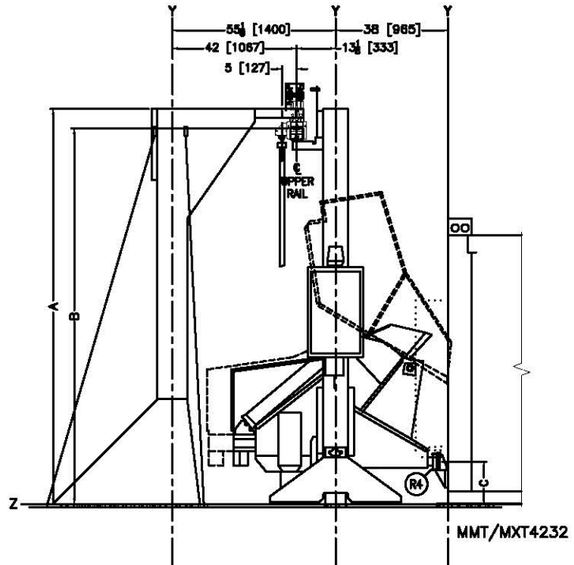
COFRE FREESTAND SUPPORTS



PLAN VIEW



RIGHT SIDE VIEW
COSHA COFRE



RIGHT SIDE VIEW
COBUC–T

NOTES

23 MID–OUTRIGGER RAIL IS SAME AS COSHA SUPPORT RAIL.

22 FOR MID–OUTRIGGER RAIL USE FREESTAND SUPPORTS. IF DRYER SUPPORTS ARE USED CONSULT FACTORY.

21 MID–OUTRIGGER RAIL MUST BE PARALLEL WITH GUIDE RAIL OR FLOOR DRIVE RAIL AND MUST BE SUPPORTED EVERY 84" OF LINEAL RAIL.

20 REQUIRED, ONE 13/16 [21] DIAMETER HOLE FOR 3/4 [19] ANCHOR BOLTS PER LOWER RAIL FLOOR MOUNT SUPPORT.

19 7/8 [221] DIAMETER HOLES FOR 3/4 [181] DIAMETER ANCHOR BOLTS (FOUR PLACES).

18 SHADED AREA INDICATES AREA THAT MUST BE CONTINUOUSLY SUPPORTED.

17 7/8 [221] DIAMETER HOLES FOR 3/4 [191] DIAMETER ANCHOR BOLTS (NINE PLACES). REQUIRE THE TWO FRONT ANCHOR BOLTS AND THE THREE REAR ANCHOR BOLTS (FIVE PLACES).

16 THREADED ROD MAY BE CUT TO APPROXIMATELY 1 1/2 [38] MINIMUM. ALLOW THREE EXPOSED COMPLETE THREADS.

15 CAUTION – ANY TWISTING AND/OR SKEWING OF THE RAILS MAY CAUSE EXCESSIVE WEAR OR DAMAGE OF DRIVE WHEELS AND/OR MOTOR.

14 OPTIONAL LOCATION FOR SWAY BRACING RECOMMENDED FOR 30" EXTENDED FREESTAND SUPPORT NOT SUPPLIED BY PMC (2 PLACE).

13 LOCATION OF SWAY BRACE SUPPLIED FOR 30" EXTENDED FREESTAND SUPPORT (1 PLACE).

12 SWAY BRACES ARE RECOMMENDED FROM EVER CEILING MOUNTED RAIL SUPPORT AND FROM BOTH ENDS OF UPPER CURVED RAIL. SWAY BRACE DESIGN AND HARDWARE IS NOT THE RESPONSIBILITY OF PMC.

11 CEILING MOUNTED RAIL SUPPORTS MAY BE USED TO SUPPORT RAIL FROM CEILING. FIELD INNOVATION IS REQUIRED, INCLUDING VERIFICATION BY COMPETENT OTHER PERSONS THAT THE CEILING IS ADEQUATE TO SUPPORT AND STEADY THE LOAD. THIS IS NOT THE RESPONSIBILITY OF PMC.

10 UPPER SUPPORT RAIL AND LOWER GUIDE RAIL MUST BE SUPPORTED EVERY 84 [2134] OF LINEAL RAIL.

9 WHENEVER CLEARANCE REQUIREMENTS PERMIT, THE DRYER MOUNTED SUPPORT BRACKET FOR THE SUPPORT RAIL IS SHIPPED PREASSEMBLED ON THE DRYER.

8 THE HEIGHT EXTENDERS SHOWN IN THE TABLE ARE STANDARD EXTENSIONS AND THOSE THAT SATISFY MOST FACILITY REQUIREMENTS. HOWEVER, THE SHUTTLE MAY BE SPECIAL ORDERED IN OTHER HEIGHTS. IF REQUIRED CONSULT THE MILNOR FACTORY.

7 DISTANCE BETWEEN RAILS, RELATIVE POSITIONING AND HEIGHT OFF FLOOR VARIES WITH MACHINE SPECIFICATION FOR EACH INSTALLATION. SEE INTERFACING DIMENSIONAL DRAWING.

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

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

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COFRE C–RAIL SUPPORTS

DM 0 0.5M
IN 0 12 24
DWG BDCORAL1DE
2021455D

PELLERIN MILNOR CORPORATION
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FAX 504/468–1846, Email: mktg@milnor.com