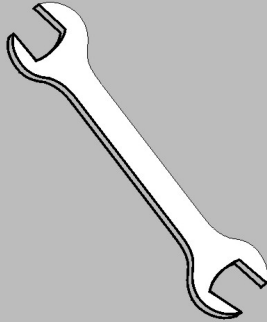


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- Publishing System: TPAS
- Access date: 1/25/01
- Document ECN's: Exact



# Kit Instruction— KYA0000107



# Please Read

## About the Manual Identifying Information on the Cover

The front cover displays pertinent identifying information for this manual. Most important, are the published manual number (part number) /ECN (date code). Generally, when a replacement manual is furnished, it will have the same published manual number, but the latest available ECN. This provides the user with the latest information applicable to his machine. Similarly all documents comprising the manual will be the latest available as of the date the manual was printed, **even though older ECN dates for those documents may be listed in the table of contents.**

When communicating with the Milnor factory regarding this manual, please also provide the other identifying information shown on the cover, including the publishing system, access date, and whether the document ECN's are the latest available or exact.

## References to Yellow Troubleshooting Pages

This manual may contain references to "yellow pages." Although the pages containing troubleshooting procedures are no longer printed on yellow paper, troubleshooting instructions, if any, will be contained in the easily located "Troubleshooting" chapter or section. See the table of contents.

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## Comments and Suggestions

Help us to improve this manual by sending your comments to:

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# HANDLING AND SETTING PROCEDURES FOR CPE, NPE, Qxx and Vxx WASHER-EXTRACTORS

## Handling Precautions

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

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

2. Permanent lifting rings are provided on some rigid mount machines. Always use these rings for crane lifting. For machines without permanent lifting rings, consult Milnor<sup>®</sup> for instructions if crane lifting is required.
3. Use skids with the forklift. If possible, leave the machine on the shipping skids until it is about to be placed in its final position. Once the skids are removed, take care in placing forks under the machine. **Do not allow the forks to come in contact with valves, piping, motors, etc., located under the machine.**
4. Never push, pull, or exert pressure on any components which protrude from the machine frame (shell front, door, supply injector, electric boxes, controls, belt guards, conduits, inlet piping, etc.).
5. Ensure that the shell door is closed and secured.
6. After installation and before operation, remove the tie wrap that secures the *vibration safety switch* (located in the electric control box).

## Site Requirements

### Space Requirements

1. All openings and corridors through which equipment must pass during installation must be large enough to accommodate the width and the height of the machine (as shown on the dimensional drawing). It is occasionally possible to reduce the overall dimensions by removing piping or other special modifications. Consult Milnor<sup>®</sup> for additional information.
2. Sufficient clearance must be provided for normal operation and maintenance procedures.

## Operational Requirements

1. Allow sufficient ventilation for heat and vapors of normal operation to dissipate.
2. Provide easy access to controls. Operators must be able to reach and view all status lights, machine controls, and any additional controls associated with the machine (e.g., electrical power connections, water and steam shut-offs, etc.).

**Foundation Requirements**—The machine must be anchored in accordance with the dimensional drawing. The floor and/or all other support components must have sufficient strength (and rigidity with due consideration for the natural or resonant frequency thereof) to withstand the fully loaded weight of the machine, including the wet goods and any repeated sinusoidal (rotating) forces generated during its operation. Determining the suitability of floors, foundations, and other supporting structures normally requires analysis by a qualified structural engineer. See “ABOUT THE FORCES TRANSMITTED BY MILNOR<sup>®</sup> WASHER-EXTRACTORS” (see Table of Contents) for more information.

## Anchoring Requirements

Machines must be securely anchored to an adequate foundation. Anchor bolt locations and foundation specifications are provided on the dimensional drawing (see Table of Contents). **However, never install anchor bolts firmly in the foundation using only the dimensional drawing or template.** Approximate anchor bolt locations may be determined from a foundation template (standard equipment on some machines, optional on others). Recommended anchor bolt installation (see dimensional drawing) calls for each anchor bolt to be set in a pipe sleeve. The foundation template or dimensional drawing will only locate the foundation bolts accurately enough that the play of the bolt within the pipe sleeve permits the machine to fit anchor bolts. **If another bolt installation procedure is used, do not install the anchor bolts until the machine is on site and bolt locations can be determined.** Consult Milnor<sup>®</sup> if any obstruction prevents the installation of any anchor bolt. **Anchor bolts cannot be indiscriminately omitted.**

### ▲ CAUTION ▲



ranty.

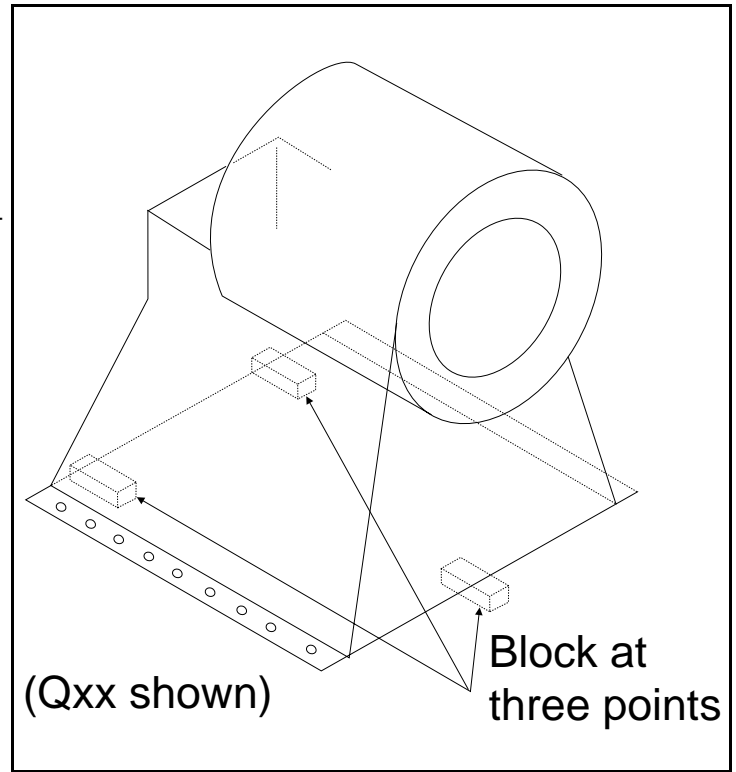
**STRIKE AND MACHINE DAMAGE HAZARDS**—A machine can “rip” away from position on foundation if the machine is not anchored and grouted in strict accordance with the dimensional drawing and setting instructions provided in this manual. Damage resulting from improper installation is not covered by war-

- ☞ **Strictly follow setting instructions and dimensional drawing guidelines when anchoring and setting this machine.**
- ☞ **Properly install anchor bolts at ALL anchor bolt holes on the machine.**

## Setting Procedures

See FIGURE 1 during the following procedures:

1. With the machine near the final location, unbolt the shipping skids. Observing all precautions, lift the machine off its skids and apply a light coat of grease to the underside of the right and left side base plates (so machine can be lifted off of the grout to remove temporary blocking). Lower machine onto temporary blocking as shown in FIGURE 1. Install anchor bolts, taking care to align the bolts with the base plates to avoid bolt thread damage.
2. **Determine that the minimum clearance between each base plate and floor is as specified (see dimensional drawing).** Use a carpenter's level to determine if the machine is level. If necessary, level the machine from right to left and front to back by shimming at temporary blocking.



**FIGURE 1** (MSIN0206AE)  
**Blocking Up Rigid Mount Washer-Extractors**

### **▲ CAUTION ▲**

**MACHINE DAMAGE AND MALFUNCTION HAZARDS—Never tighten anchor bolt fasteners before grouting.**

- ☞ Place temporary blocking at the three locations shown in FIGURE 1, not at four locations to avoid a “teeter-totter” condition.
- ☞ Tightening anchor bolt fasteners onto spacers (without grout) twists the machine frame and causes cylinder misalignment.

## Preparing to Grout

All machines are designed to be grouted under the full length of the right and left side base plates (except the portion that falls over the drain sump). Grout prevents the anchor bolts from distorting the frame when the fasteners are tightened. Total area under each base plate must be completely filled with grout. Voids under base plates can magnify vibration, causing unsatisfactory operation. Use only industrial strength non-shrinking grout. Permanently install the foundation template (if supplied) under the machine as a vapor barrier if the machine is installed over a drain trough (see the dimensional drawing for additional information). After determining the final position of the machine, apply grout between the existing foundation floor and base plates, (if utilizing template, see dimensional drawing for details) while observing the following considerations:

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**▲ CAUTION ▲**

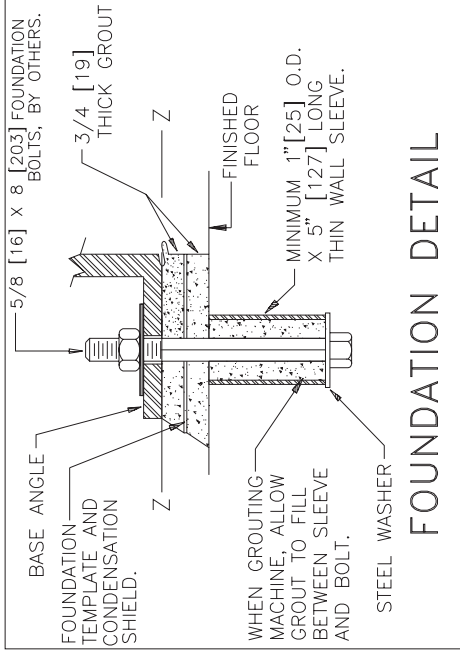
**Grout must displace total clearance between base plates and existing foundation floor.**

☞ **VOIDS must not exist!**

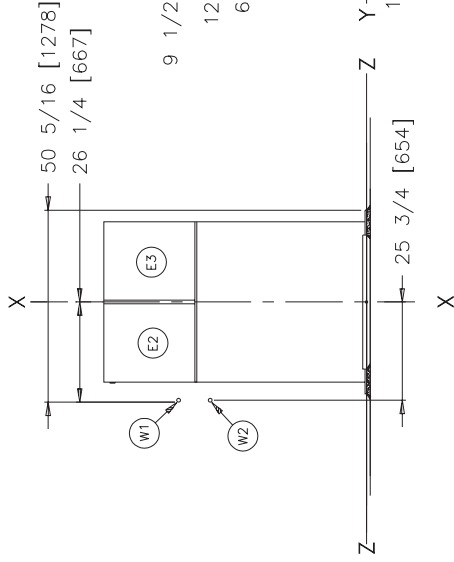
☞ **If the grout (after mixing) is too thin (causing it to flow from under the base plates) install temporary cardboard framing around the plates to retain the grout until it cures.**

☞ **If the grout (after mixing) is of proper consistency, pack or trowel it in by hand.**

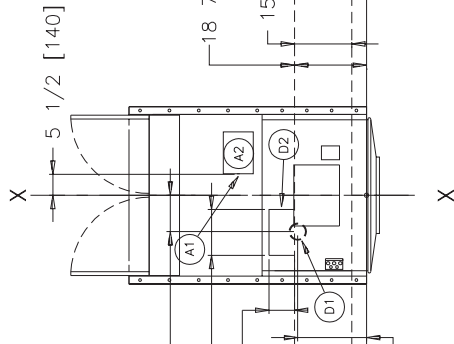
- 1.** After the grout has cured completely, raise the machine sufficiently to remove all temporary blocking and shims. **Be careful to avoid disturbing or damaging grout.**
- 2.** Tighten all fasteners until they contact the top of the base plate.
- 3.** Tighten all fasteners evenly, using only one-quarter turn on each fastener before moving to the next one. While tightening, frequently skip from front to back and right to left to insure uniform tension. After tightening all fasteners, check each fastener at least twice.



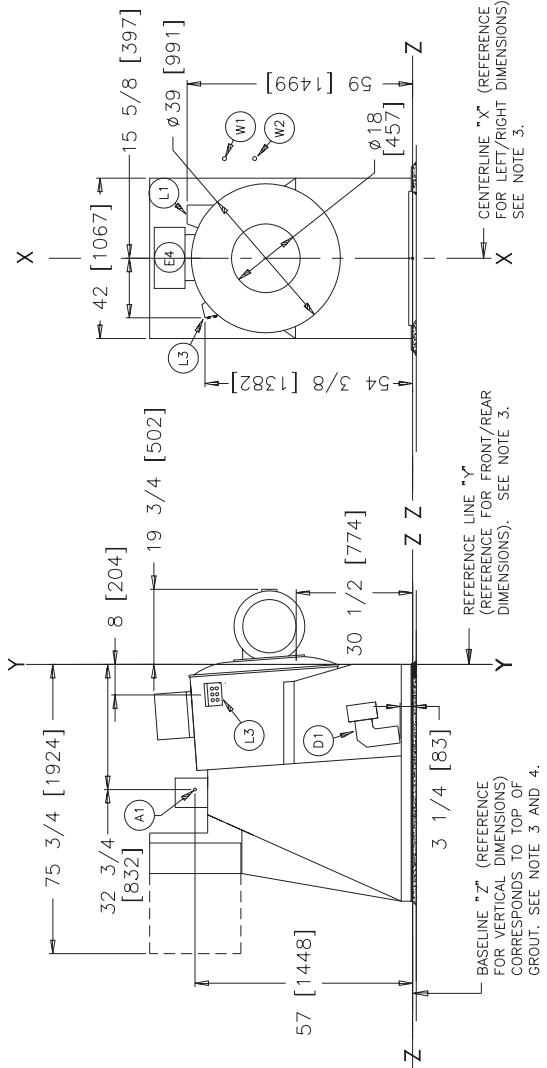
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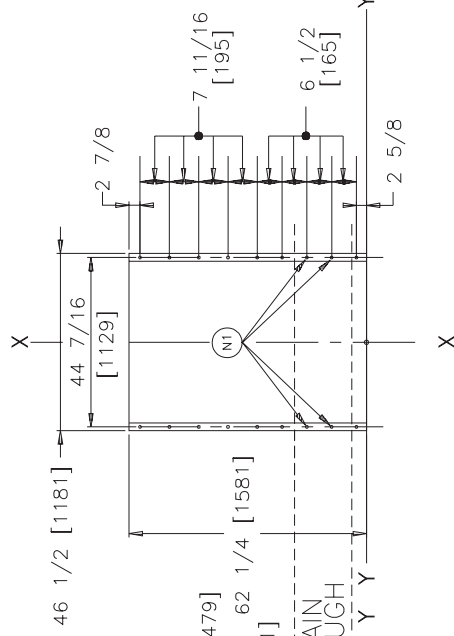
REAR VIEW



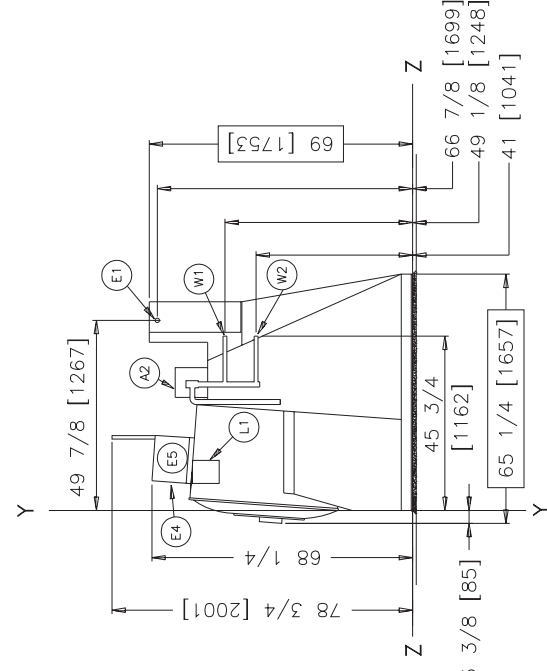
PLAN VIEW



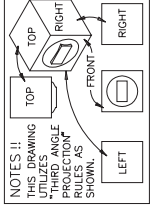
LEFT VIEW



FOUNDATION VIEW



RIGHT VIEW



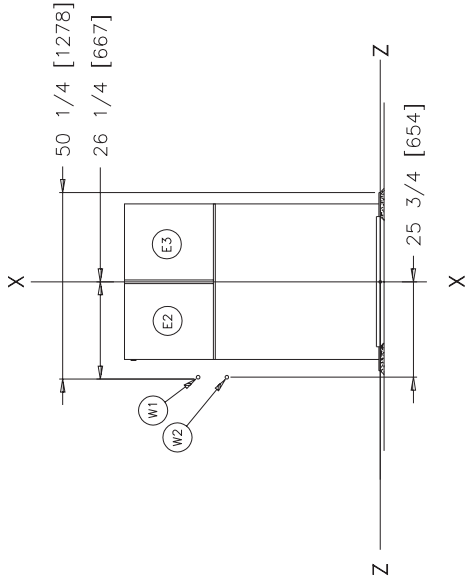
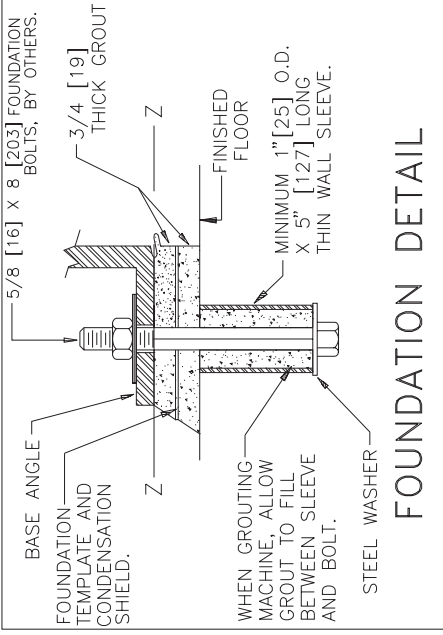
ITEM	LEGEND
W2	COLD WATER INLET CONNECTION 3/4" NPT. DIMENSIONS ARE FOR STANDARD ELECTRIC OPERATED VALVES.
W1	HOT WATER INLET CONNECTION 3/4" NPT. DIMENSIONS ARE FOR STANDARD ELECTRIC OPERATED VALVES.
L3	LIQUID SUPPLY INLETS
L1	STANDARD SOAP CHUTE
E5	MICROPROCESSOR CONTROL BOX
E4	MICROPROCESSOR CONTROL PANEL
E3	LOW VOLTAGE CONTROL BOX
E2	HIGH VOLTAGE CONTROL BOX
E1	MAIN ELECTRICAL CONNECTION
D2	NOTCHED AREA IN TROUGH TO ACCOMMODATE DRAIN VALVE.
D1	DRAIN TO TROUGH 4" NPT (STANDARD)
A2	AIR VALVE BOX
A1	COMPRESSED AIR INLET 1/4" NPT

- NOTES**
- WATER INLET PIPING AND BRACKETRY CAN BE EASILY REMOVED TEMPORARILY TO REDUCE OVERALL MACHINE WIDTH FOR PASSAGE THROUGH DOORWAYS.
  - IF ABSOLUTELY NECESSARY, THE MACHINE MAY SPAN A DRAIN TROUGH UP TO 15" (381) WIDE (THIS ELIMINATING UP TO 2" ANCHOR BOLTS PER SIDE, BUT ONLY IF THE TROUGH IS A MINIMUM 4" (102) DEEP). THE MACHINE MUST BE EMBEDDED IN THE SLAB AND THE MACHINE ANCHORED TO IT AS PER GOOD ENGINEERING PRACTICE.
  - ENTIRE BASE OF MACHINE MUST BE CONTINUOUSLY SUPPORTED. IF MACHINE IS TO BE MOUNTED TO A CONCRETE OR MASONRY WALL, MACHINE MUST BE MOUNTED TO A PEDAESTAL BASE NOT SUPPLIED BY P.M.C.
  - NEVER REDUCE DRAIN PIPING BELOW NPT SIZE OF CONNECTIONS.
  - AS OF THIS WRITING, THE MINIMUM CLEARANCE REQUIRED BY U.S. NATIONAL ELECTRIC CODES, FROM ELECTRIC BOX TO ANY OBJECT IS: 42" (1067) IF OBJECT IS A CONCRETE WALL (NATIONAL ELECTRIC CODE 42" (1067) IF OBJECT IS ANY LIVE PART.
  - CHECK LOCAL ELECTRIC CODES FOR FURTHER RESTRICTIONS.
  - CUSTOMER TO SUPPLY CIRCUIT BREAKER OR FUSED BRANCH CIRCUIT EQUIPMENT. A SEPARATE GROUND WIRE MUST BE CONNECTED FROM MACHINE TO EQUIPMENT.
  - BASELINE IS THE SAME FOR ALL MINOR MACHINES AND IS SHOWN ON ALL DRAWINGS. IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON BASELINE. "Y" REFERENCE LINE IS SHOWN ON ALL DRAWINGS.
  - USE REFERENCES "X", "Y", AND "Z" TO LOCATE ALL SERVICE CONNECTIONS.
  - NUMBERS IN BRACKETS [ ] DENOTE DIMENSIONS IN MILLIMETERS.
  - ALL DIMENSIONS SHOWN ARE APPROXIMATE. SUBJECT TO NORMAL MANUFACTURING TOLERANCES, AND TO OCCASIONAL CHANGES WITHOUT NOTICE THROUGH REVISION AND/OR REVISION OF COMPONENTS. PIPE JOINTS AND CONNECTIONS FROM MACHINE FACTORY MUST BE CONSULTED FOR DIMENSIONS IF MACHINE IS TO BE MOVED THROUGH NARROW OR LOW CORRIDORS OR OPENINGS.
  - ATTENTION** THE OWNER/USER MUST HOLD THE OWNER/USER ULTIMATELY RESPONSIBLE TO MAINTAIN A SAFE WORKING ENVIRONMENT. ACCORDINGLY, THE OWNER/USER MUST RECOGNIZE ALL FORESEEABLE SAFETY HAZARDS, AND MUST TAKE ALL NECESSARY PRECAUTIONS TO AVOID SUCH HAZARDS. 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 SURFACING MATERIALS MUST HAVE SUFFICIENT STRENGTH (AND RIGIDITY WITH DUE CONSIDERATION FOR NATURAL OR RESONANT FREQUENCY) THEREBY TO WITHSTAND THE FULLY LOADED WEIGHT OF THE MACHINE. THE USER MUST CONSULT WITH THE MANUFACTURER AND OBTAIN ALL NECESSARY DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

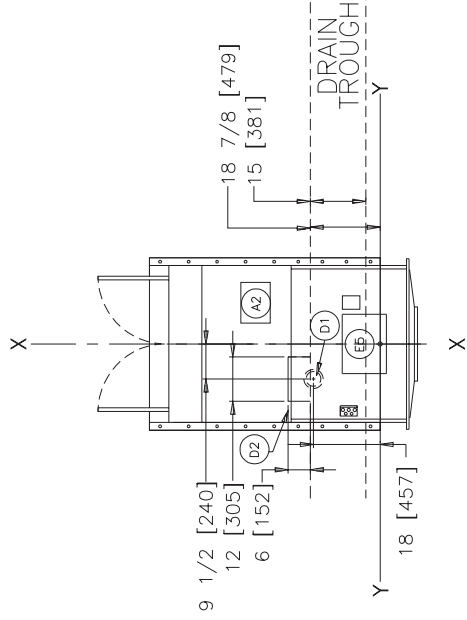
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 Fax 504/467-8918, Telex IT 401817/PJZ U, Cable PELLERIN

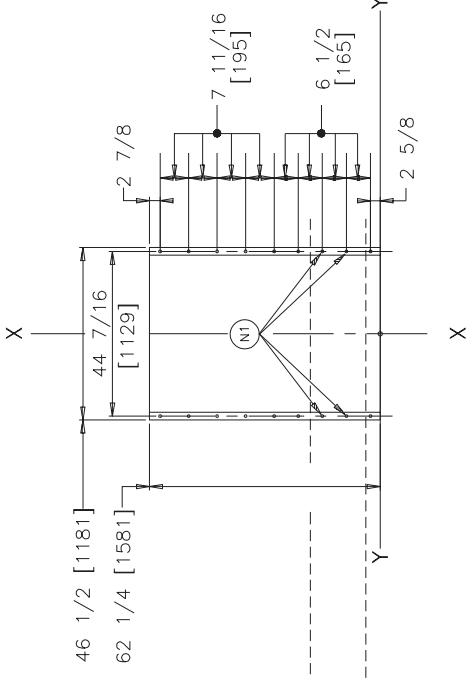
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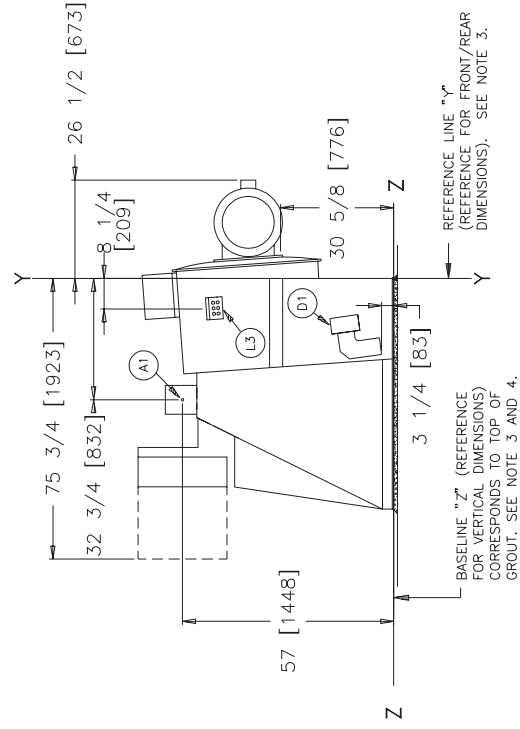
REAR VIEW



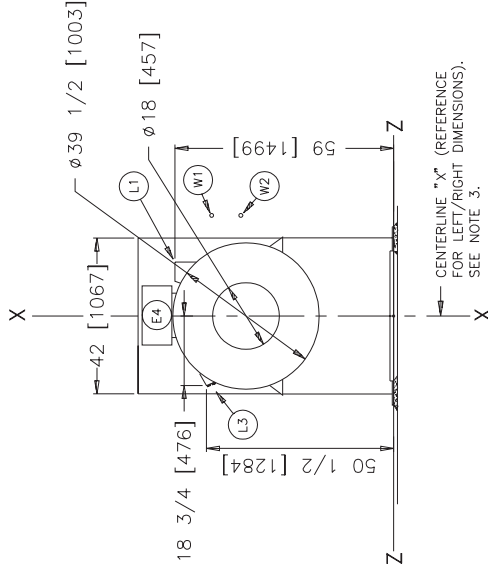
PLAN VIEW



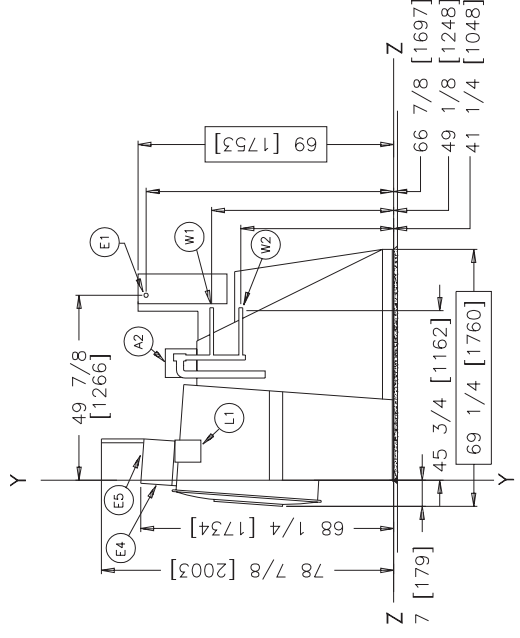
FOUNDATION VIEW



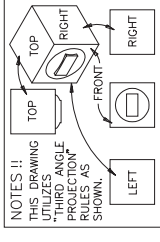
LEFT VIEW



FRONT VIEW



RIGHT VIEW



ITEM	LEGEND
W2	COLD WATER INLET CONNECTION 3/4" NPT. DIMENSIONS ARE FOR STANDARD ELECTRIC OPERATED VALVES.
W1	HOT WATER INLET CONNECTION 3/4" NPT. DIMENSIONS ARE FOR STANDARD ELECTRIC OPERATED VALVES.
L3	LIQUID SUPPLY INLETS
L1	STANDARD SOAP CHUTE
E5	MICROPROCESSOR CONTROL BOX
E4	MICROPROCESSOR CONTROL PANEL
E3	LOW VOLTAGE CONTROL BOX
E2	HIGH VOLTAGE CONTROL BOX
D2	NOTCHED AREA IN TROUGH TO ACCOMMODATE DRAIN VALVE.
D1	DRAIN, 4" NPT
A2	AIR VALVE BOX
A1	COMPRESSED AIR INLET 1/4" NPT

- NOTES**
- WATER INLET PIPING AND BRACKETRY CAN BE EASILY REMOVED TEMPORARILY TO REDUCE OVERALL MACHINE WIDTH FOR PASSAGE THROUGH DOORWAYS.
  - ABSOLUTELY NECESSARY, THE MACHINE MAY SPAN A DRAIN TROUGH TO A SECOND FLOOR. THE MACHINE MUST BE SUPPORTED BY A STRUCTURAL MEMBER. THE BEAM MUST BE IDENTIFIED (N1). FOR WIDER DRAIN TROUGHS, A 6" [152] I-BEAM MUST BE EMBEDDED IN THE SLAB AND THE MACHINE ANCHORED TO IT AS PER GOOD ENGINEERING PRACTICE.
  - ENTIRE BASE OF MACHINE MUST BE CONTINUOUSLY SUPPORTED. IF MACHINE IS TO BE MOVED, OTHER SUPPORTS MUST BE PROVIDED. MACHINE MUST BE MOUNTED TO A PERMANENT BASE NOT SUPPLIED BY P.M.C.
  - NEVER REDUCE DRAIN PIPING BELOW NPT SIZE OF CONNECTIONS.
  - 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 (e.g. BARE CONCRETE, BRICK, ETC.)
    - 48 [1219] IF OBJECT IS ANY LIVE PART.
  - CUSTOMER TO SUPPLY CORRECT WIRE GAUGE 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.
  - BASELINE "Z" IS THE SAME FOR ALL MINOR MACHINES AND IS SHOWN ON ALL DIMENSIONS. "Z" IS HORIZONTAL AND ALL COMPONENTS REQUIRING GROUT ARE SET ON A MINIMUM 1" [25] THICK GROUT BED.
  - USE REFERENCE LINES "X", "Y", "Z" AND "Z'" TO LOCATE ALL SERVICE CONNECTIONS.
  - NUMBERS IN BRACKETS [ ] DENOTE DIMENSIONS IN MILLIMETERS.
  - ALL DIMENSIONS SHOWN ARE APPROXIMATE. SUBJECT TO NORMAL MANUFACTURING VARIATIONS. DIMENSIONS FOR RELOCATION OF COMPONENTS DO NOT APPLY 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:** (MACHINE IS MADE 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 MEASURES, INCLUDING 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 VIBRATIONS) TO SUPPORT THE MACHINE. THE WATER AND ANY REPEATED (ROTATING) FORCES GENERATED DURING ITS OPERATION, WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

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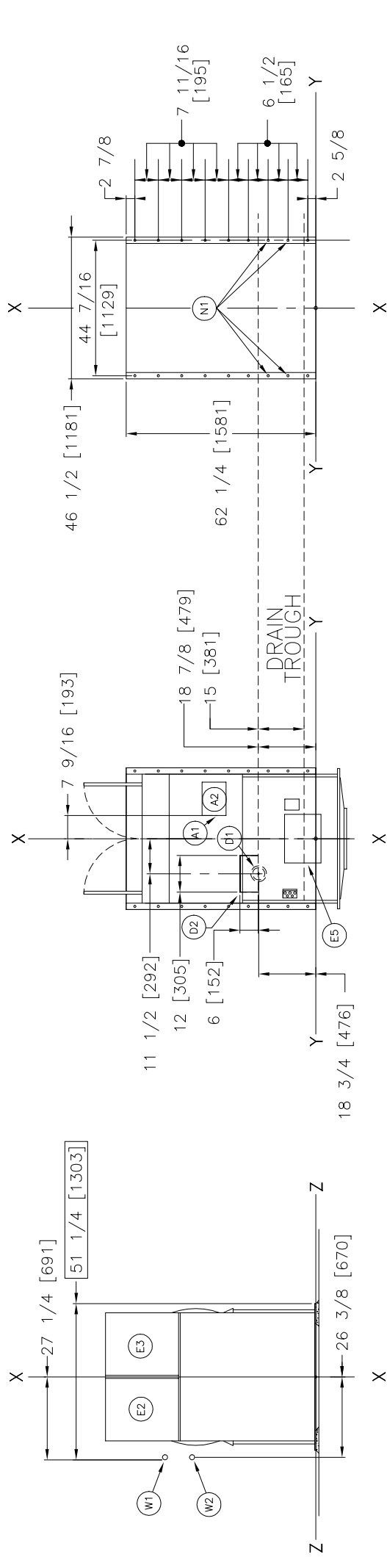
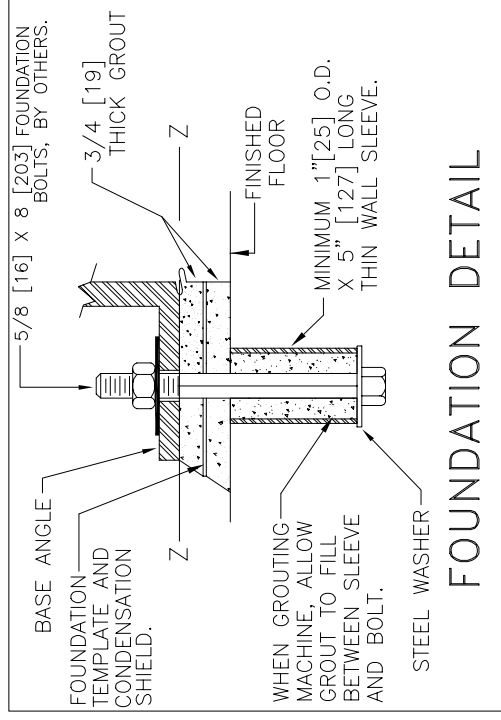
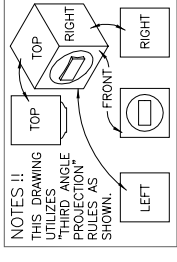
0 0.5M 1M DIMENSIONS IN MILLIMETERS

0 12 24 36 INCHES

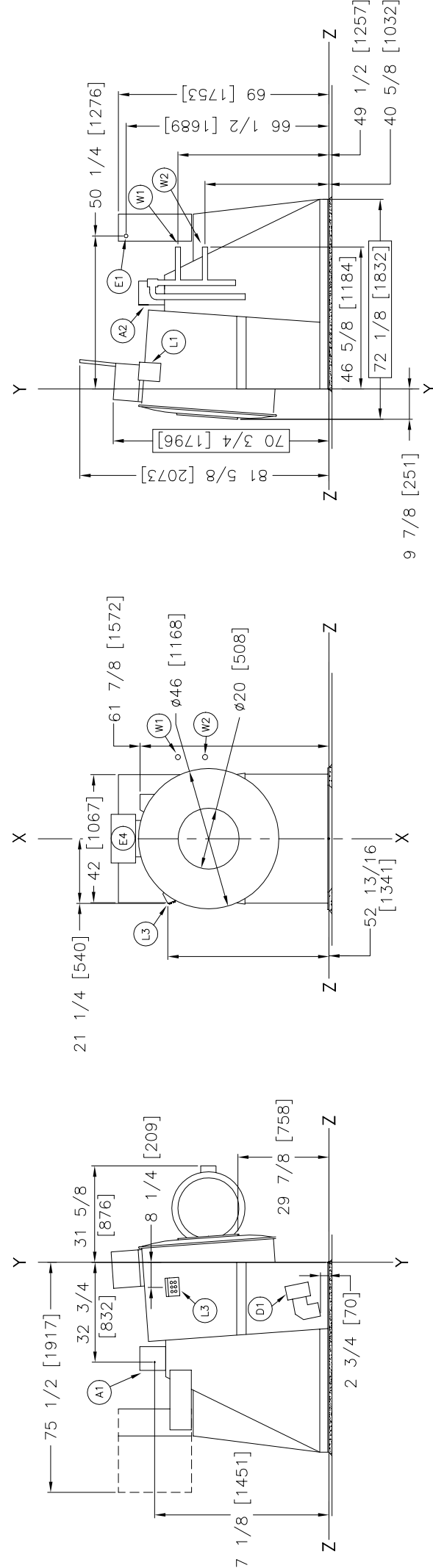
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 TEL: 508/469-1843 FAX: 508/469-1843 Telex: ITT 460124/PELMA U.I. Code: PELMUNOR





FOUNDATION VIEW



PLAN VIEW

FRONT VIEW

LEFT VIEW

W2	COLD WATER INLET CONNECTION 1-1/4" NPT. DIMENSIONS ARE FOR STANDARD ELECTRIC OPERATED VALVES.
W1	HOT WATER INLET CONNECTION 1-1/4" NPT. DIMENSIONS ARE FOR STANDARD ELECTRIC OPERATED VALVES.
L3	LIQUID SUPPLY INLETS.
L1	STANDARD SOAP CHUTE.
E5	MICROPROCESSOR CONTROL BOX.
E4	MICROPROCESSOR CONTROL PANEL.
E3	LOW VOLTAGE CONTROL BOX.
E2	HIGH VOLTAGE CONTROL BOX.
E1	MAIN ELECTRICAL CONNECTION.
D2	NOTCHED AREA IN TROUGH TO ACCOMMODATE DRAIN VALVE.
D1	DRAIN TO TROUGH 4" NPT.
A2	AIR VALVE BOX.
A1	COMPRESSED AIR INLET 1/4" NPT.
ITEM	LEGEND

- NOTES**
- 10 WATER INLET PIPING AND BRACKETRY CAN BE EASILY REMOVED TEMPORARILY TO REDUCE OVERALL MACHINE WIDTH FOR PASSAGE THROUGH DOORWAYS.
  - 9 IF ABSOLUTELY NECESSARY, THE MACHINE MAY SPAN A DRAIN TROUGH UP TO 15" [381] WIDE (THIS ELIMINATING UP TO 2 ANCHOR BOLTS PER SIDE, BUT ONLY THOSE IDENTIFIED (N1)) FOR WIDER DRAIN TROUGHS, A 6" [152] I-BEAM MUST BE INSTALLED OVER THE TROUGH AND THE MACHINE ANCHORED TO IT AS PER GOOD ENGINEERING PRACTICE.
  - 8 ENTIRE BASE OF MACHINE MUST BE CONTINUOUSLY SUPPORTED. IF MACHINE IS TO BE INSTALLED OVER A DRAIN TROUGH, THE MACHINE MUST BE MOUNTED TO A PEDESTAL BASE - NOT SUPPLIED BY P.M.C.
  - 7 NEVER REDUCE DRAIN PIPING BELOW NPT SIZE OF CONNECTIONS.
  - 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 (i.e. BARE CONCRETE, BRICK, ETC.).
  - 48 [1219] OBJECT IS ANY OTHER RESTRICTION.
  - 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 IS APPROXIMATE. DIMENSIONS FROM BASELINE "Z" TO THE TOP OF THE MACHINE ARE APPROXIMATE. DIMENSIONS FROM 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 BY AN INDEPENDENT PROFESSIONAL ENGINEER. DIMENSIONS FROM MACHINE TO OTHER OBJECTS MUST BE OBTAINED FROM THE MANUFACTURER. 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 INTO CONTACT WITH THE MACHINE. THIS INCLUDES, BUT IS NOT LIMITED TO, 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 VIBRATIONS. THE USER MUST BE AWARE OF THE FACT THAT REPEATED IMPACTS AND SHOCKS TO THE MACHINE, THROUGH THE WATER AND ANY REPEATING INDIVIDUAL (ROTATING) FORCES GENERATED DURING ITS OPERATION, WRITE THE FACTORY FOR ADDITIONAL MACHINE DATA FOR USE BY A COMPETENT SOIL AND/OR STRUCTURAL ENGINEER.

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**MILNOR**

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