

Pre-installation Manual



PlateWriter™ 4200

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PlateWriter™ 4200



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PlateWriter™ 4200 Pre-installation Manual
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1. Introduction

About this Manual

Intended Use of this Manual

- This manual describes how to prepare the installation site for the installation of the PlateWriter 4200 System.
The procedures described in this manual require a reasonable level of technical skill and access to the proper tools.

Reservations

- This manual was written and illustrated using the best possible information available at the time of publication.
- Any differences between this manual and the equipment reflect improvements introduced after the publication of the manual.
- Changes, technical inaccuracies and typographic errors will be corrected in subsequent editions.
- As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

Important!

Installation

- Never install the equipment in explosive environments.
- It is the responsibility of the owner and operator /s of the equipment, that the installation is made in accordance with local regulations, and by engineers authorized to carry out electrical installations.
- Installation must be performed only by service technicians who are trained in installing the equipment.
- The manufacturer cannot be held responsible for any damage caused by incorrect installation of this equipment.

Notes, Cautions and Warnings!

Throughout the manual notes, cautions, and warnings are indicated with various icons and written in bold like the example below:



NOTE! The cover can only be positioned on the finishing unit if the front cover is not in place.

Explanation



NOTE! The operator should observe and/or act according to the information in order to obtain the best possible function of the equipment.



CAUTION! The operator must observe and/or act according to the information in order to avoid any mechanical or electrical damage to the equipment.



WARNING! The operator must observe and/or act according to the information in order to avoid any personnel injury.

2. When the Crates Arrive

Storing the Crates

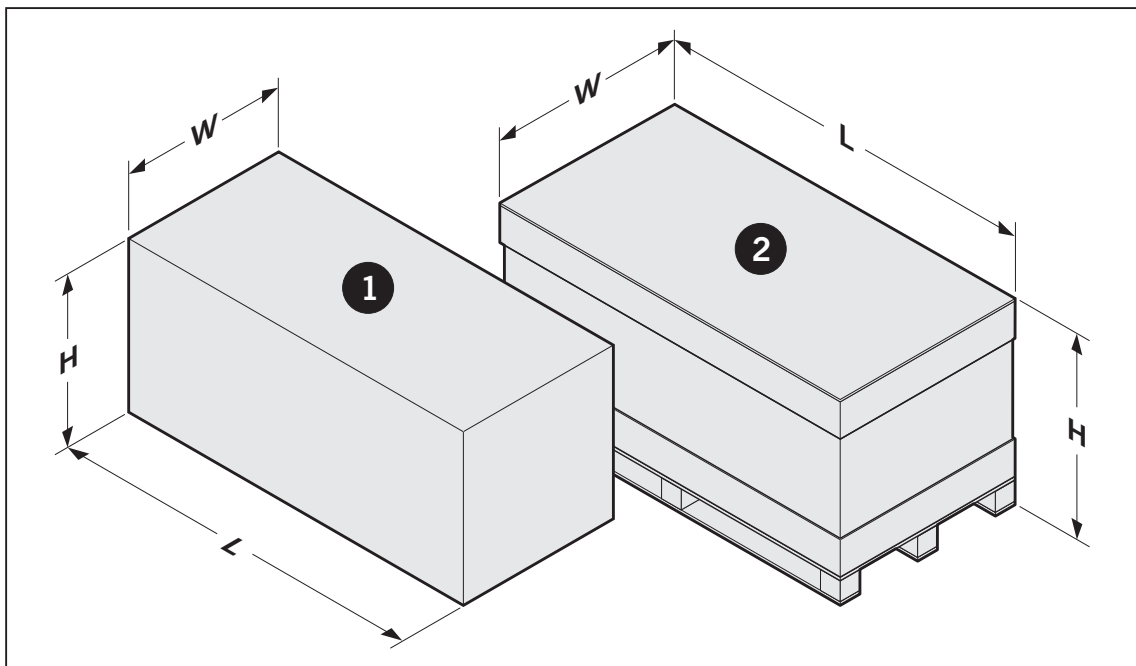
The crates containing the PlateWriter System will usually arrive some time before the arrival of the Service Technician.

In such a case you should prepare an appropriate place indoors to store the crates.

Crate Dimensions and Weights

Below are the dimensions and weights of the crates included with the delivery:

	L x W x H	Weight
Imaging Unit (1)	189 x 85 x 85 cm (74.4 x 33.5 x 33.5")	127 kg (280 lbs)
Finishing Unit, Ink Dryer etc. (2)	191 x 94 x 102 cm (75.2 x 37.0 x 40.2")	223 kg (492 lbs)



Checking for Damage

When receiving the crates do the following:

- Check if the crates are damaged at the time of delivery.
- Report any damage to the crate(s) to the transport company.
- Take notes of the damage before you unpack the crates. Provide a detailed description and/or take a photograph of the damage.

Transporting the Crates

Handling the Crates

The icons on the crates indicate how to handle them during transport and storage:



Ensure that the side indicated by the arrows is always up



Never expose the crate to water, or place it in a high-humidity area



Handle the crate with care

Lifting the Crates

To lift the crates, at least a fork-lift truck or two persons and a hand powered pallet mover are required.

Available Doorway Width for Transport

If the width of the door(s) through which the crates have to be transported to the installation site are too narrow, you will have to unpack the crates and transport all parts to the installation site separately.



NOTE! 2 or more persons are required for this operation.

3. Site Requirements

General Requirements

Environmental Requirements

Provide a heating and ventilating system capable of maintaining room temperature between 15 and 32°C (59 and 90°F) and relative humidity of 30 to 80% (no condensation).

Heat emission from the PlateWriter System is max. 3410 BTU.

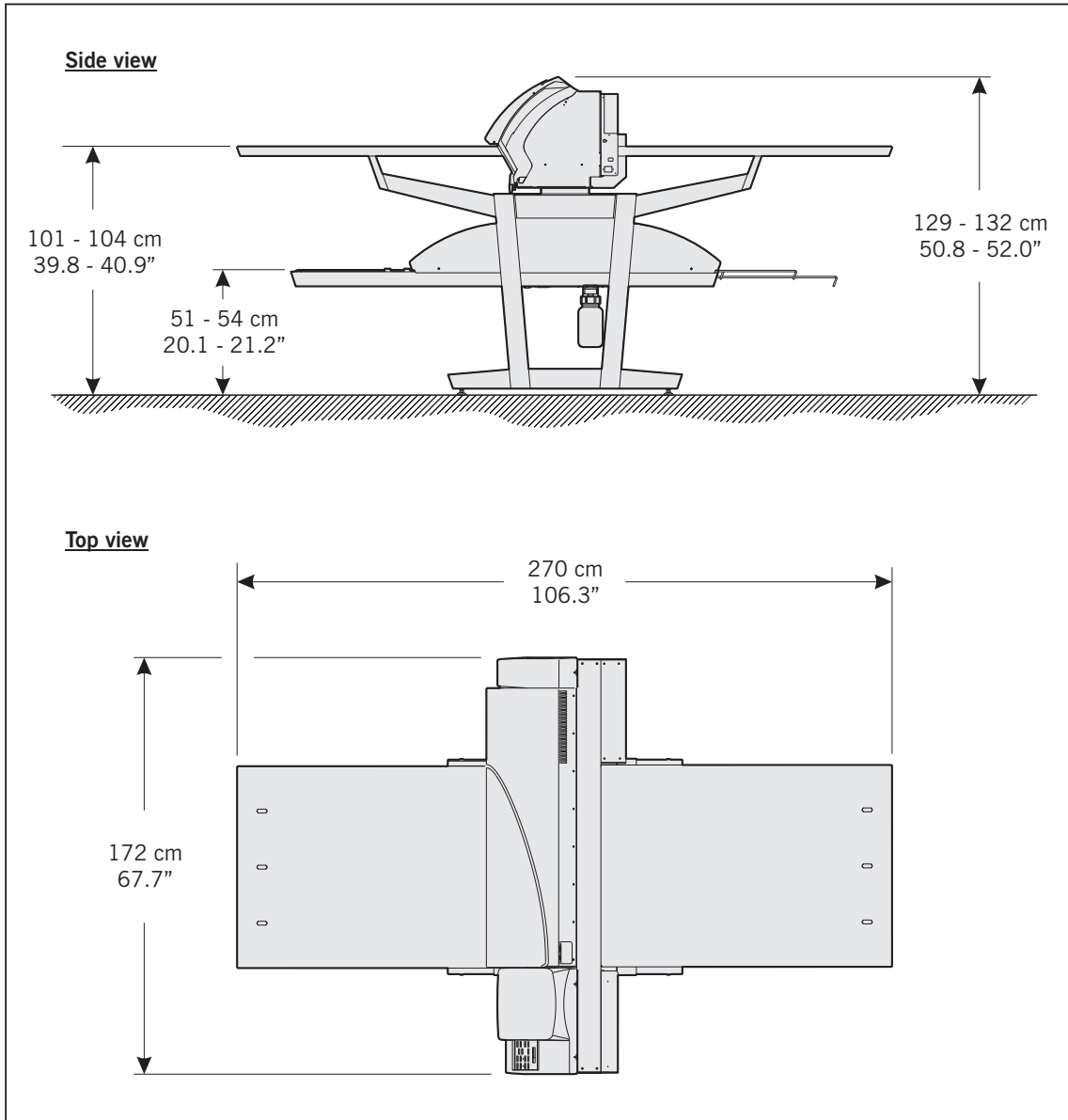
Cleaning Facilities

We recommend that you have easy access to a sink and a water tap with hot water for cleaning purposes.

The minimum recommended size of the sink is 90 x 40 cm (35 x 16").

Space Requirements

PlateWriter Dimensions



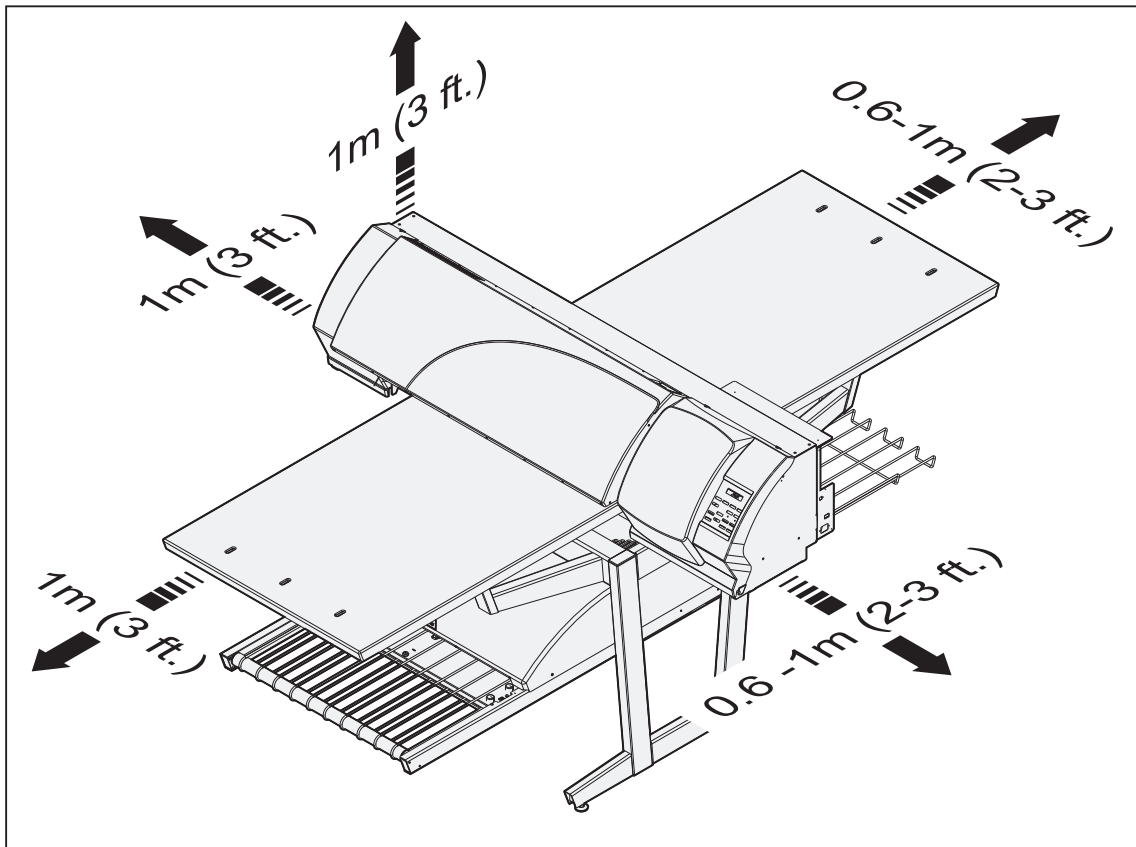
Free Space around the PlateWriter

Decide where the unit shall be placed and make sure that the free space around it makes operation and servicing possible.

Be aware of the following:

- **Liquid Dot** cartridges need to be replaced at the left side of the unit.
- Access to cables is required at the right side of the unit.
- Plates are loaded onto the Alignment Mat from the front right of the unit.
- After imaging the plate must be placed on the Finisher/Gum unit's transport belts from the lower front of the unit.
- After finishing the plate has to be removed from Finisher/Gum unit's exit tray at the lower back of the unit.

The recommended minimum free space around the machine is specified in the illustration below:



RIP Workstation

Location

The RIP Workstation must be placed within 3 m (9 ft) from the Imaging Unit as they need to be connected using the enclosed USB-cable.



CAUTION! To avoid any harmful communication interference between the RIP Workstation and the Imaging Unit, it is recommended not to use a USB-cable longer than 3 m (9 ft).

Network Connection

If the RIP Workstation is going to be connected to a local network (LAN) make sure to provide a network connection nearby.

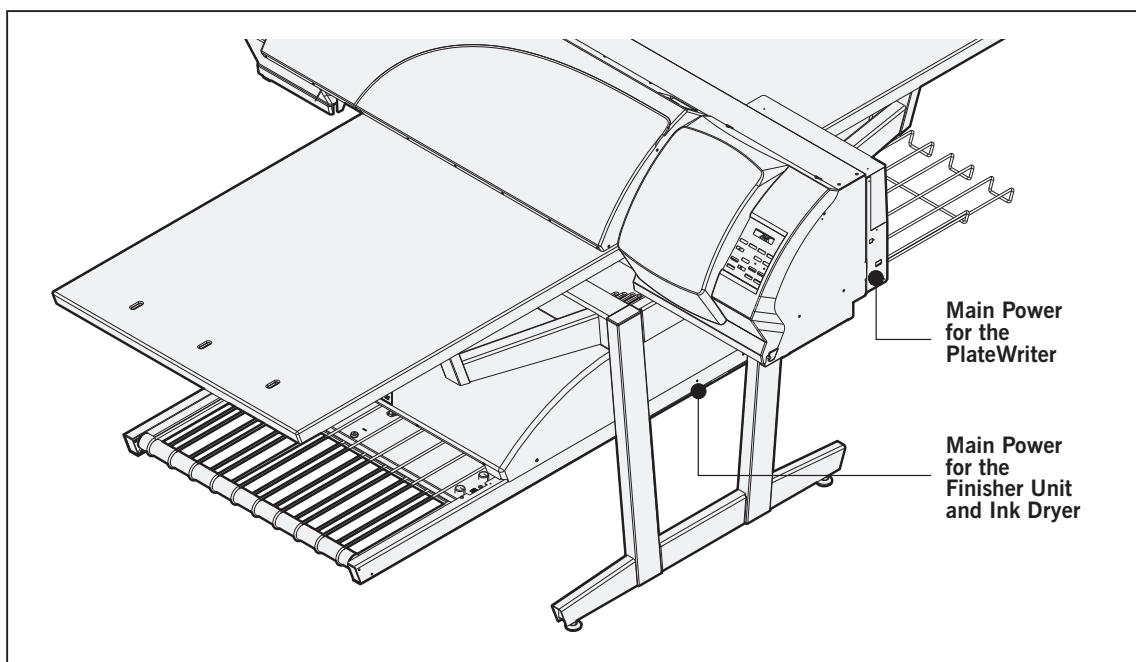
Power Supply

⚠ WARNING! Electrical installation must conform to local rules and regulation.

Main Power Connection

The PlateWriter System requires for 3 main power connections, one for the PlateWriter itself, one for the Finishing Unit and Ink Dryer (the Ink Dryer is powered from the Finisher Unit), and one for the RIP Workstation.

The PlateWriter and Finishing Unit main power inlets are located at the right side of the equipment (see illustration below).



Power Outlet Requirements

Main power outlets should be installed in the room, where the unit will be situated.
Max. distance to the machine 2 m (6 ft.).

General

Voltage tolerance: +/- 10%



WARNING! The equipment is Class 1 equipment and therefore it must be connected to earth to avoid electrical shocks.



WARNING! If "Schuko" type plug is used, protection must be provided as a part of the building installation.

Printer

Supply/Fuse

EUR: Single Phase, 1W + N + PE, 230 VAC, 10 Amps, 50 - 60 Hz

USA: Single Phase, 1W + N + PE, 115 VAC, 10 Amps, 50 - 60 Hz

Recommended

Cable Type: Min. 3 x 18 AWG, type SJT or harder service

Finishing Unit and Ink Dryer

Supply/Fuse

EUR: Single Phase, 1W + N + PE, 230V, 10 Amps, 50 - 60 Hz

USA: Single Phase, 2W + PE, 230V, 2 x 10 Amps, 50 - 60 Hz

Recommended

Cable Type: Min. 3 x 18 AWG, type SJT or harder service

See Power Cable Specifications on the next page!

Fuses

The fuses must have a breaking capacity of min. 100kA.

If using automatic circuit breakers make sure that they are Type D.

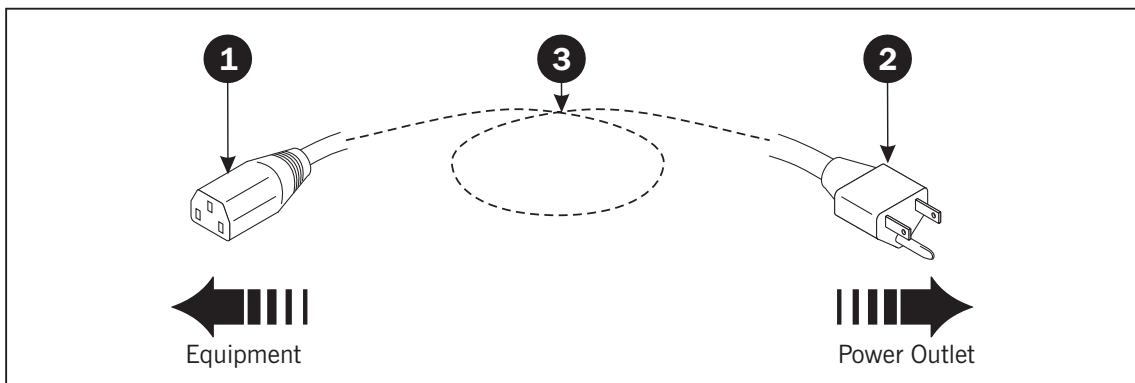
Power Cables

i **NOTE!** The equipment is delivered with the power cables required for the installation.

If, for some reason, you decide to use cables others than the supplied, make sure that they conform to the directions given below.

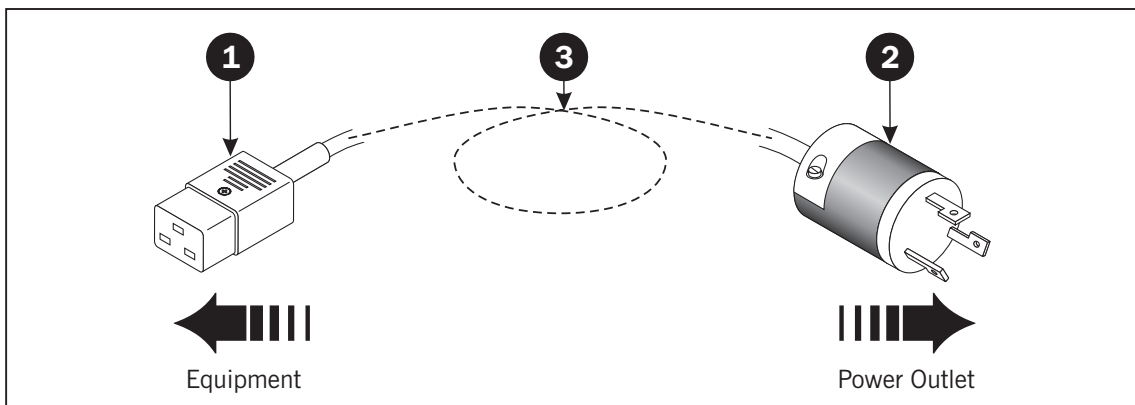
h **IMPORTANT!** If you are replacing a plug, be aware that the yellow/green conductor must only be connected to a terminal marked \oplus or \ominus .

Printer + RIP Workstation (USA)



1. Appliance Coupler (IEC 60320)
2. Plug type NEMA 5-15P
3. Cable min. 3 x 18 AWG, type SJT or harder service

Finisher Unit (USA)



1. Appliance Coupler 16A (IEC 60320)
2. Plug type NEMA L6-15P, 230V AC, 15A
3. Cable min. 3 x 18 AWG, type SJT or harder service

i **NOTE!** When deciding what type of cable to use take into account the mechanical resistance (operator may step onto cable).
The conductors in the power supply cable should be of copper.
Provide for additional cable protection, e.g. cable covers, if cable is exposed to heavier transport such as fork-lift trucks etc.

4. Pre-Installation Checklist

Please ask the customer to answer the following questions in order to ensure a trouble-free installation of the processor:

- | 1. Delivery of the crate and transport to the installation site | YES | NO |
|---|--------------------------|--------------------------|
| A. Is there a place indoors where the crates box can be stored temporarily? | <input type="checkbox"/> | <input type="checkbox"/> |
| B. Is there a hand-powered pallet mover, a fork-lift truck or any other lifting device available? | <input type="checkbox"/> | <input type="checkbox"/> |
| C. Can the crates be transported directly to the installation site?
<i>See minimum width specifications on page 2-1.</i> | <input type="checkbox"/> | <input type="checkbox"/> |
| D. Are there other factors (stairs, elevators, obstacles, etc.) which should be taken into account when transporting the crate or processor?
If so, explain: | <input type="checkbox"/> | <input type="checkbox"/> |
| | | |
| | | |
| | | |
| | | |
| E. Are there any known problems in the building where the PlateWriter will be installed?
If so, explain: | <input type="checkbox"/> | <input type="checkbox"/> |
| | | |
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| | | |
| | | |
| | | |
| | | |

2. Power Supply & Network

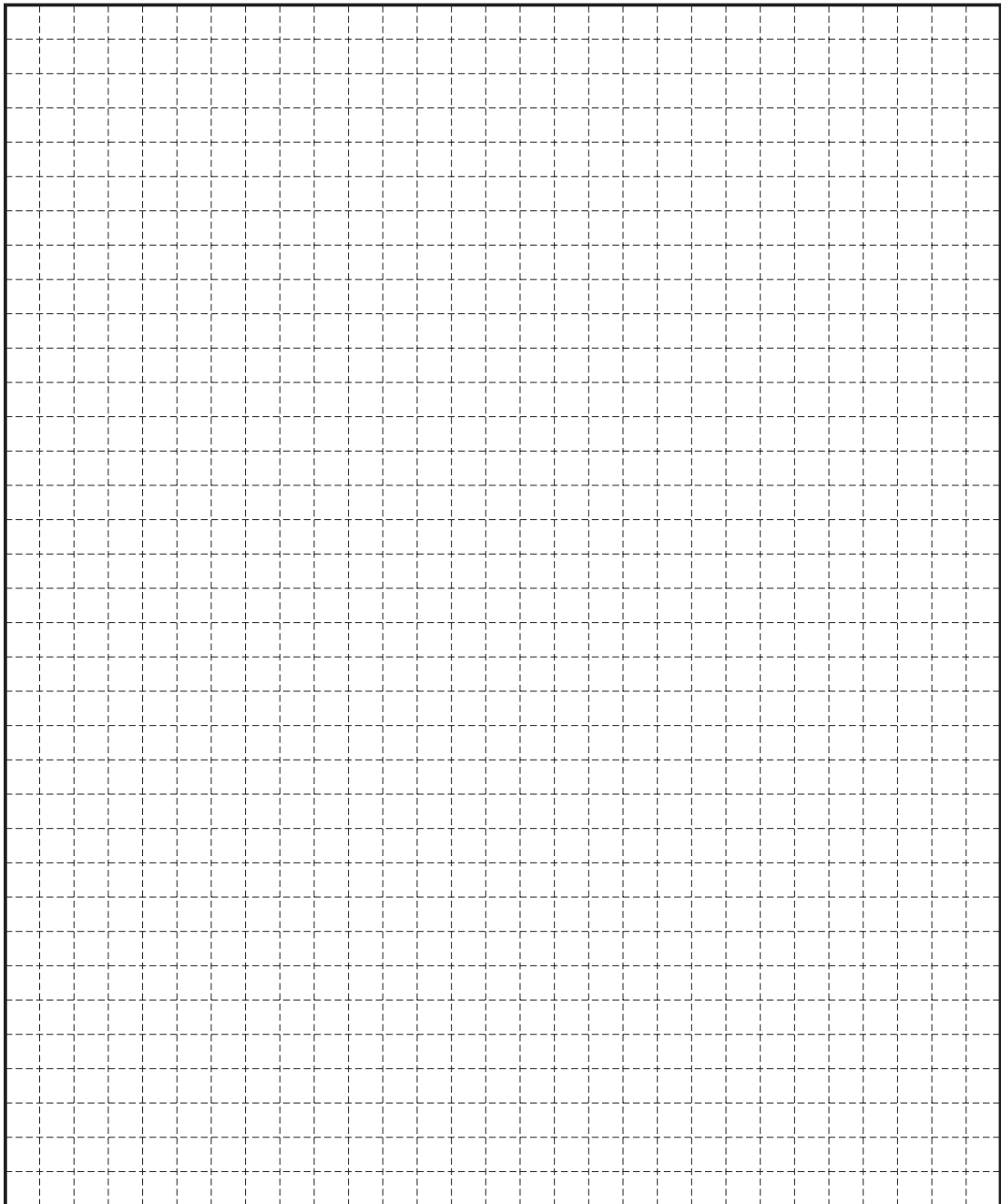
- | | | |
|---|--------------------------|--------------------------|
| A. Make a note of the present supply specifications:
No. of Phases Voltage V Fused by Amps
Neutral Wire? Earth Wire? Frequency Hz | YES | NO |
| B. Is there a house electrician available? | <input type="checkbox"/> | <input type="checkbox"/> |
| C. Is there a Network connection nearby? | <input type="checkbox"/> | <input type="checkbox"/> |

3. Ventilation and Ink Storage**YES NO**

A. Is air condition/ventilation system capable of maintaining room temperature between 15 and 25°C (59 and 77°F) and relative humidity on max. 80% ?

B. Is capacity of air condition/ventilation adequate with regard to BTU max. 3410?

C. Is there a proper storage facility for Ink Cartridges?

4. Disposition of the various supplies and equipment on the installation site:A large rectangular area filled with a grid of dashed lines, intended for handwritten notes or diagrams related to the installation site disposition of supplies and equipment.