Vipros III Z/K3510NT with AMNC-F Control
Layout Drawings

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Warning

- ❒ Qualified personnel must complete all work.
- ❒ Do not apply power to the Vipros III 3510NT until an Amada Service Engineer is present and has instructed you to do so.
- ❒ Not all information required to install the Vipros lll 3510 NT is included with this document. Specific details for proper installation are found in the document *Vipros lll 3510 NT with AMNC-F User Pre-installation Guide* available at the Amada America Internet web site at http://www.amada.com/.
- ❒ Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions. However, as we are constantly improving our product, some of the data contained herein may be out of date. Please check our Internet site, http://www.amada.com/, for the latest release of this document.

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Planning the Location of the Vipros III 3510 NT

The following diagrams provide the details for positioning the Vipros lll 3510 NT.

- ❑ No obstacles are allowed in the worksheet travel area and the ceiling must be at least 40" above the Vipros lll 3510 NT.
- ❑ All of the recommended maintenance areas should be used, but at a minimum the doors of the NC unit must be able to be opened. Any reduction of the listed maintenance areas may increase time and expense of installation and maintenance.
- ❑ The Vipros lll 3510 NT machine and control must be protected from direct sunlight or other heat sources. Direct exposure to direct heating sources such as infrared heaters have been shown to affect punch and die alignment.
- ❑ The positioning of the SBC EX5.5 Chiller is very flexible.

Plan View - Vipros III 3510 NT

Electrical Requirements

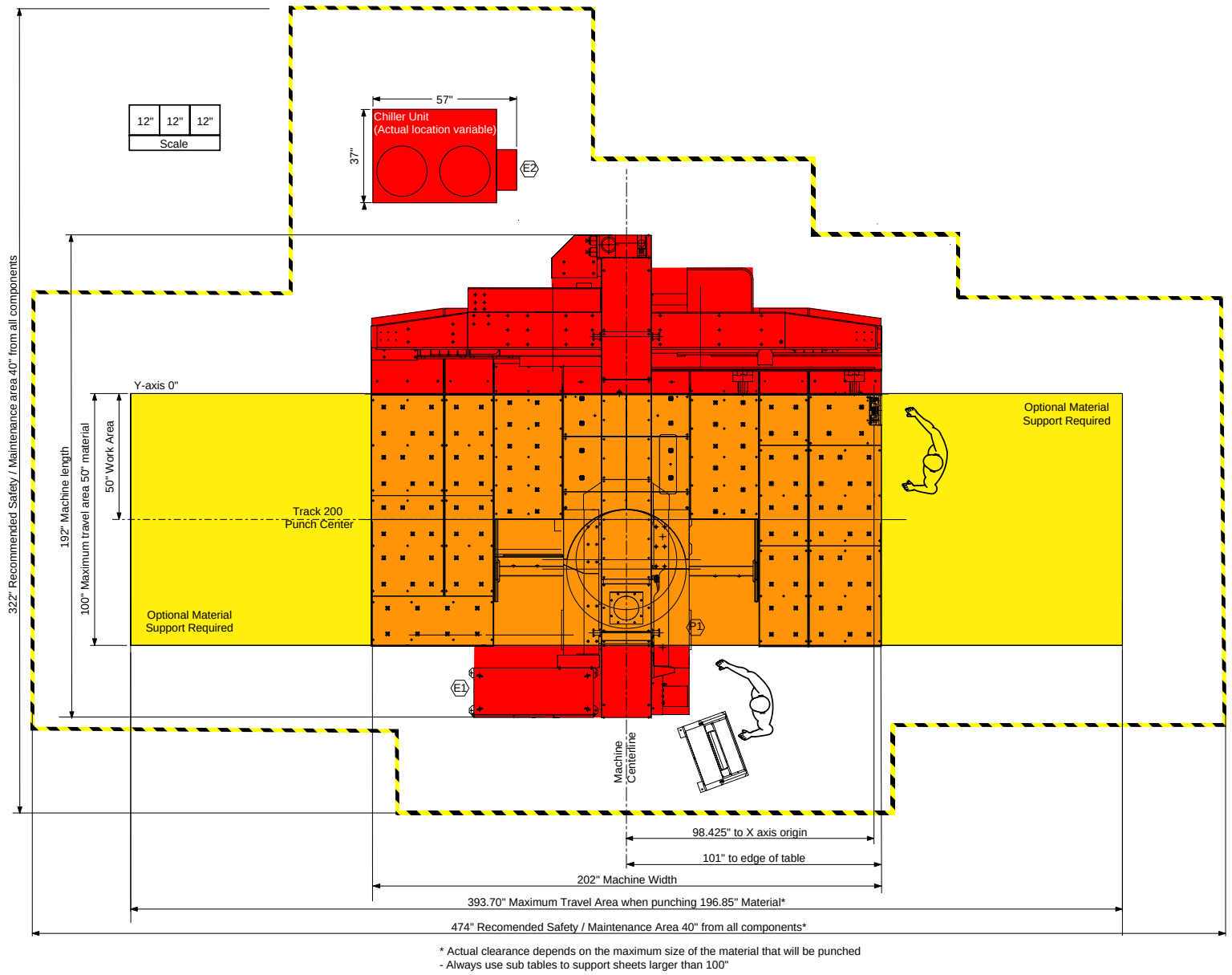
E1 Vipros III Z/K 3510NT
200/ 3 / 60 ±10%, 30 kVA
86 amps @ 200VAC / 3phase / 60 hz.
To operate at 230 / 460 VAC a step up transformer is required.

E2 SBC EX5.5 Chiller
230 or 460 / 3 / 60 ±10% 15 kVA
19 amps @ 460 / 3 / 60 VAC

Compressed Air Requirements

A1 Vipros III K 3510NT 80 psi @ 8.8 ft3/min.
Vipros III Z 3510NT 80 psi @ 19 ft3/min.

Operator Control Station



* Actual clearance depends on the maximum size of the material that will be punched
- Always use sub tables to support sheets larger than 100"

Plan View - Vipros III 3510 NT (shown with optional MP1225 Loader)

Electrical Requirements

E1 Vipros III Z/K 3510NT
200/ 3 / 60 ±10%, 30 kVA
86 amps @ 200VAC / 3phase / 60 hz.
To operate at 230 / 460 VAC a step up transformer is required.

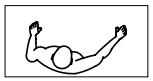
E2 SBC EX5.5 Chiller
230 or 460 / 3 / 60 ±10% 15 kVA
19 amps @ 460 / 3 / 60 VAC

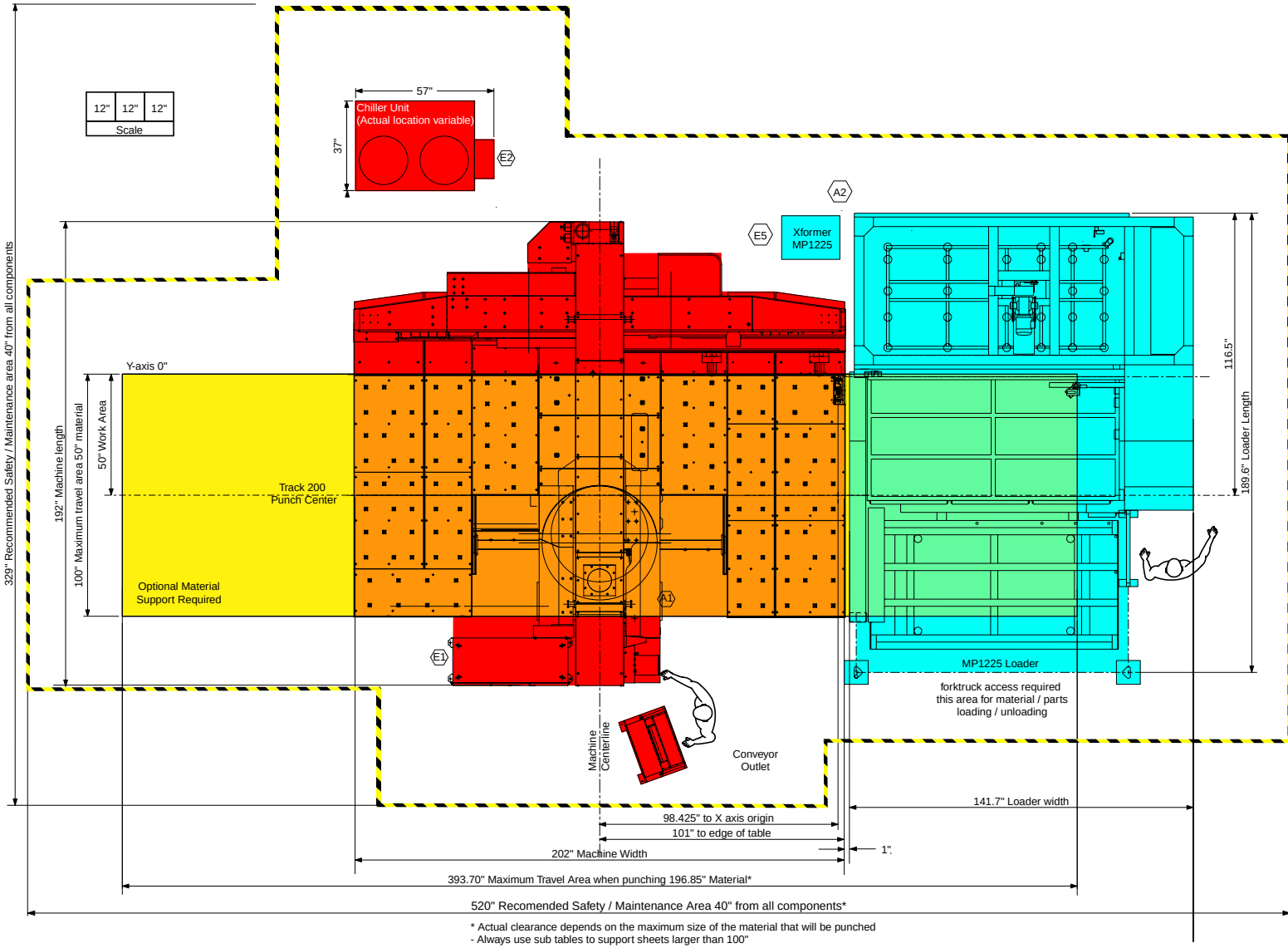
E5 MP1225 Loader
200 / 3 / 60 ±10%, 10 Kva
To operate at 230 / 460 VAC a step up transformer is required.

Compressed Air Requirements

A1	Vipros III K 3510NT	80 psi @ 8.8 ft3/min.
	Vipros III Z 3510NT	80 psi @ 19 ft3/min.
A2	MP1225 Loader	80 psi @ 31.8 ft³/min.

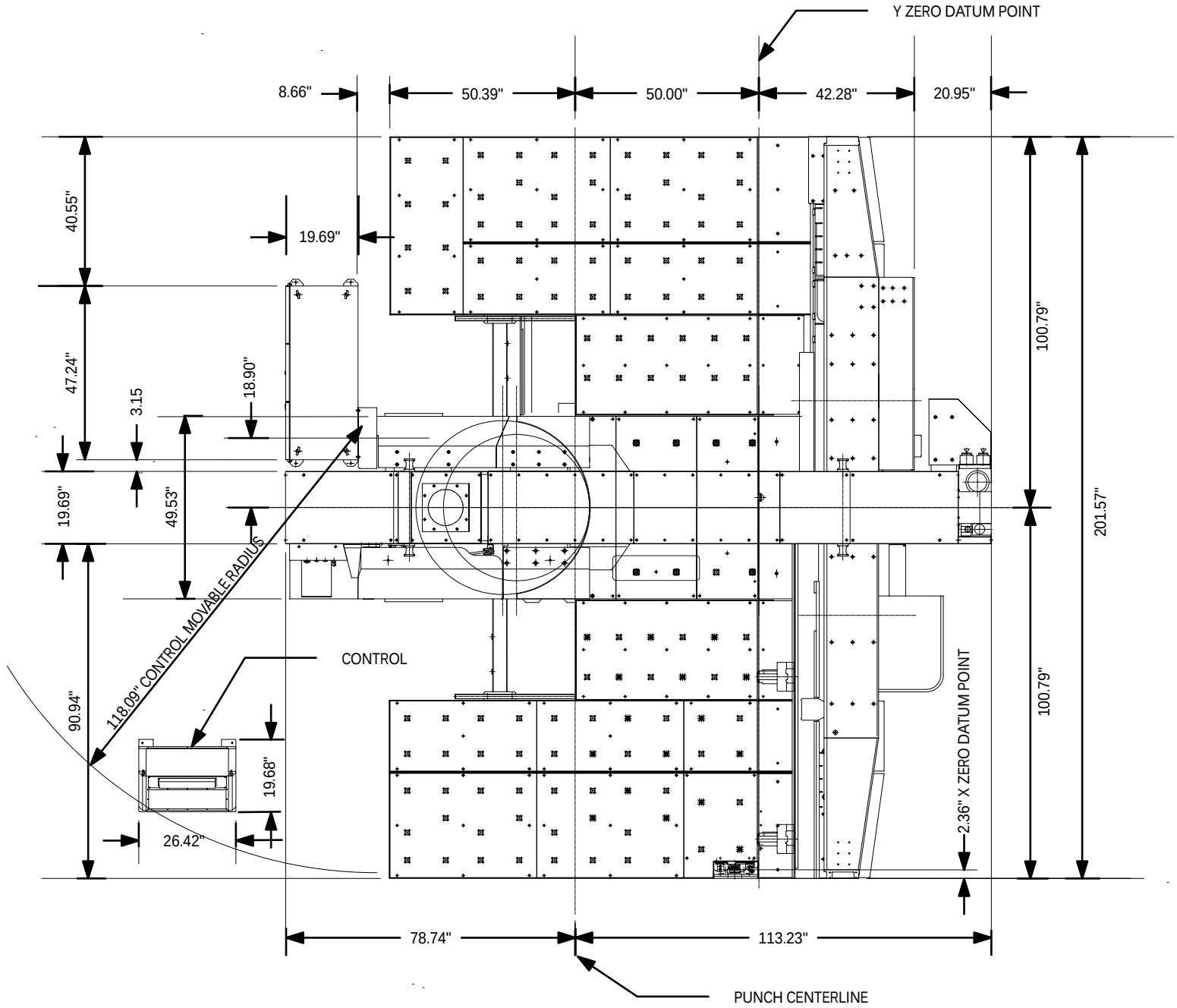
Operator Control Station



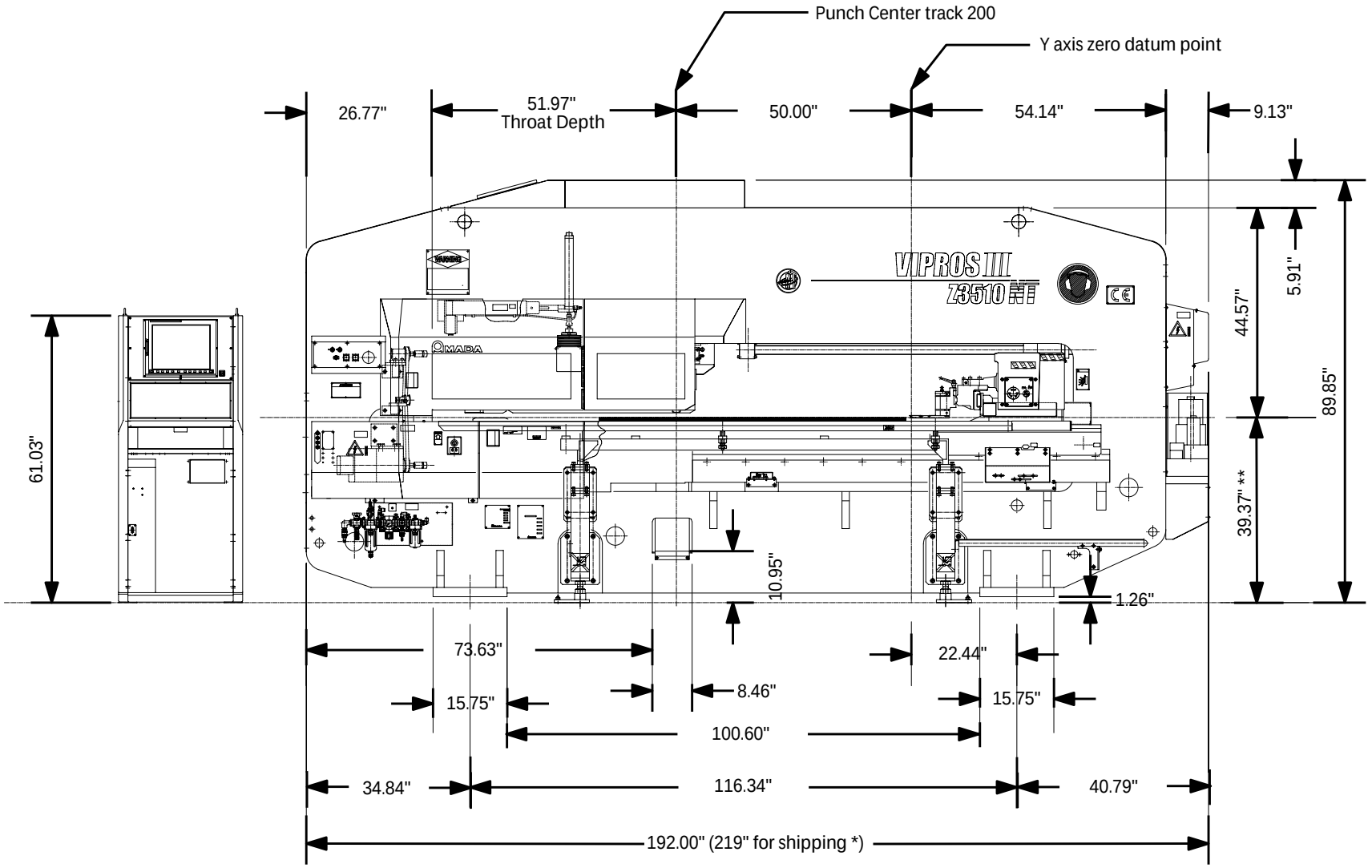


* Actual clearance depends on the maximum size of the material that will be punched
- Always use sub tables to support sheets larger than 100"

Detailed Plan View - Vipros III 3510 NT



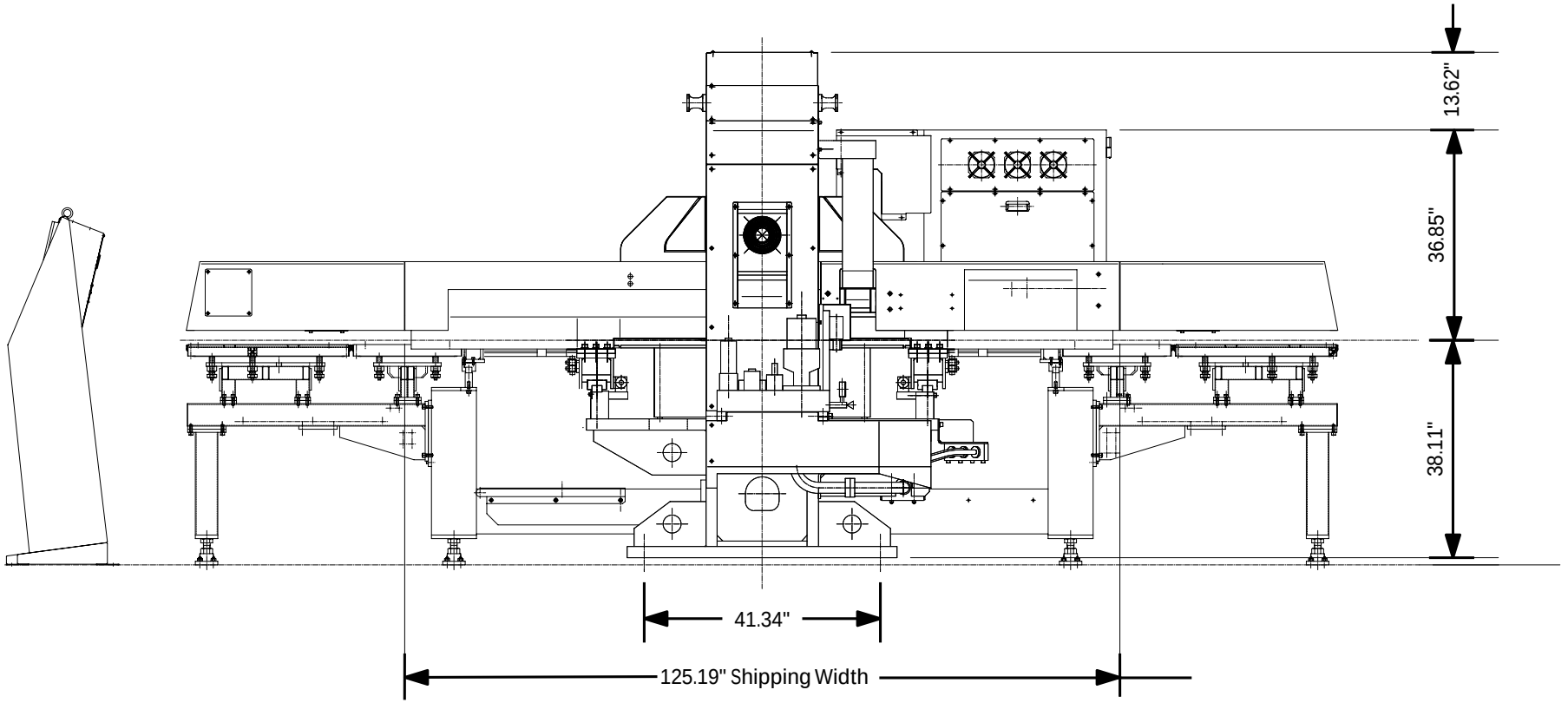
Elevation View - Vipros III 3510 NT



* Electrical Cabinet is attached to left side of frame for shipping adding 27" to overall length

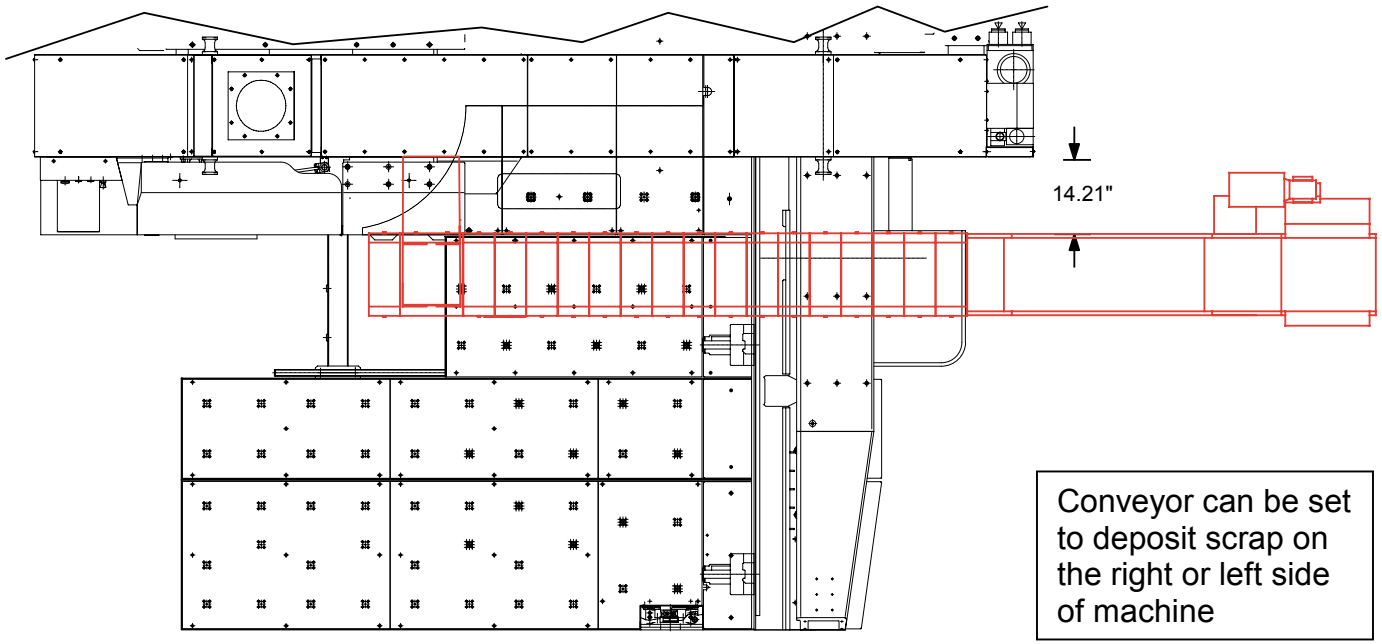
** Material Pass line may vary due to installation of different options

End View - Vipros III 3510 NT



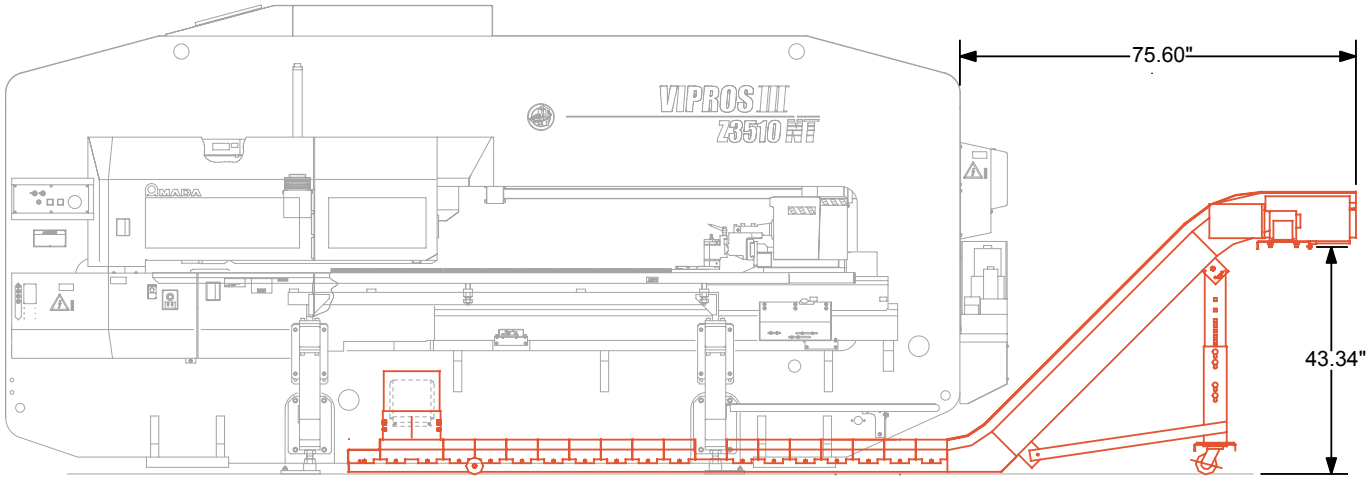
Conveyor Options – Single Steel Track Conveyor

TOP VIEW

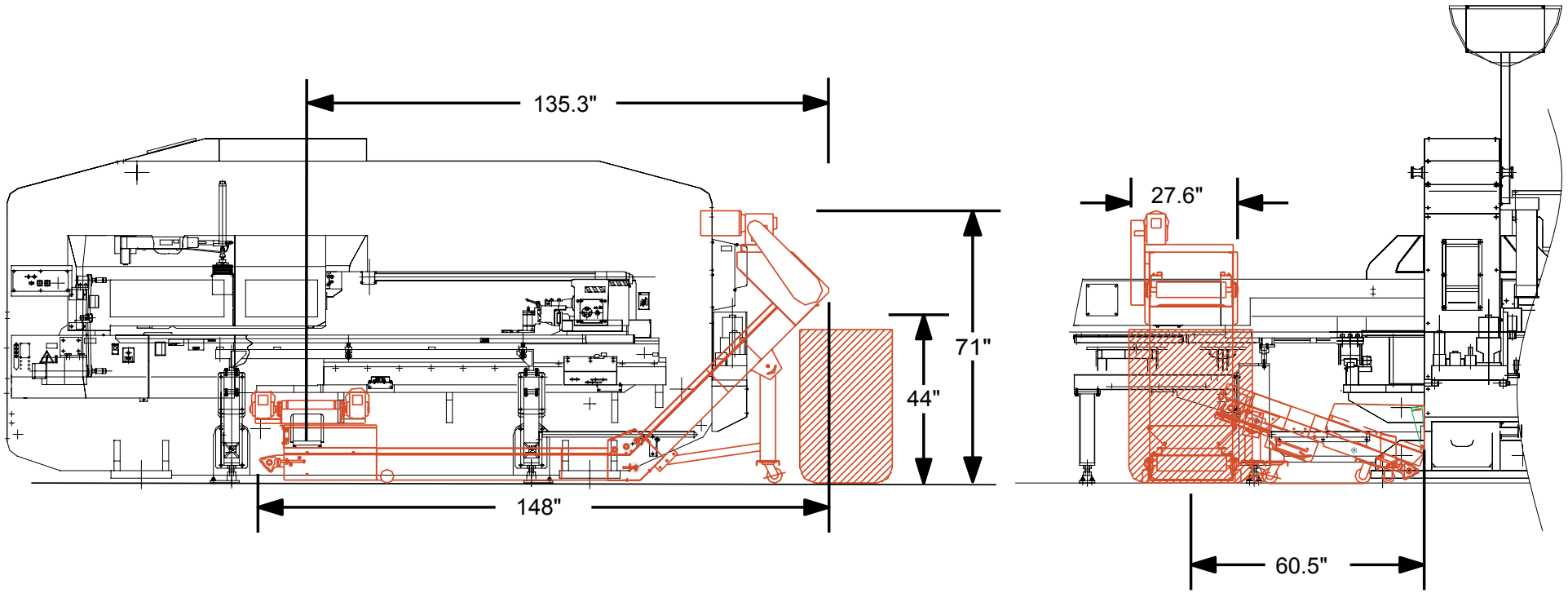


Conveyor can be set to deposit scrap on the right or left side of machine

SIDE VIEW



Conveyor Options – Rubber Belt Dual Conveyor



Conveyors can be set to deposit scrap on the right or left side of machine

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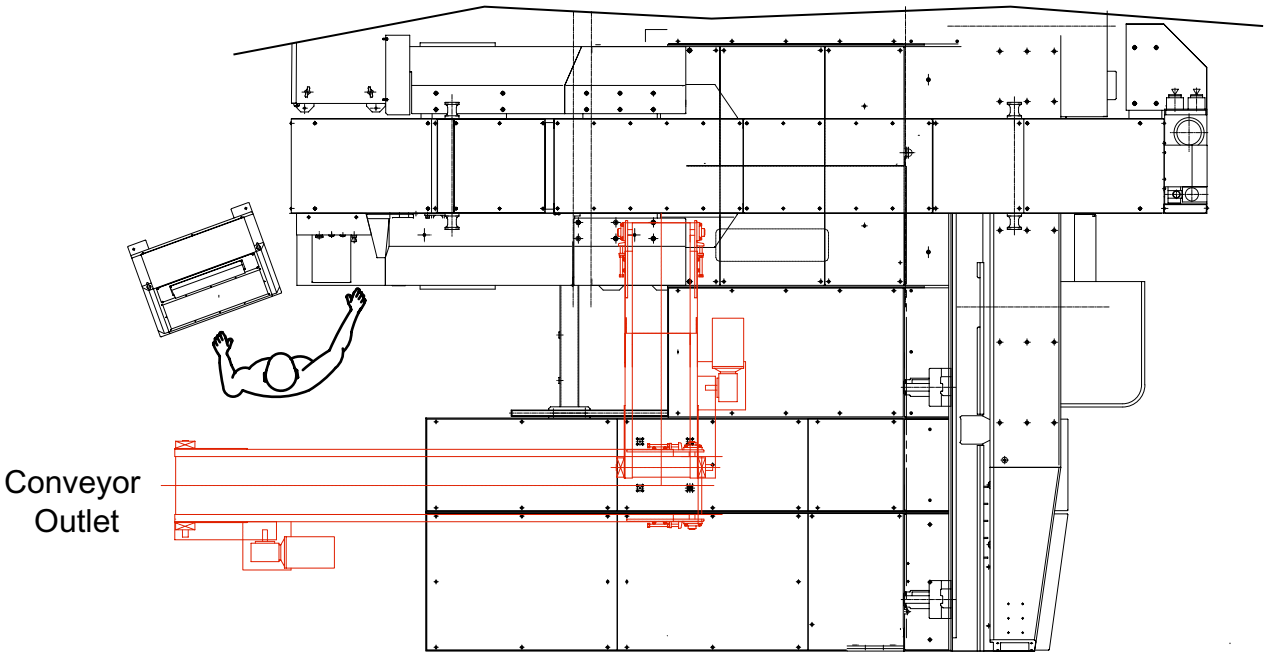
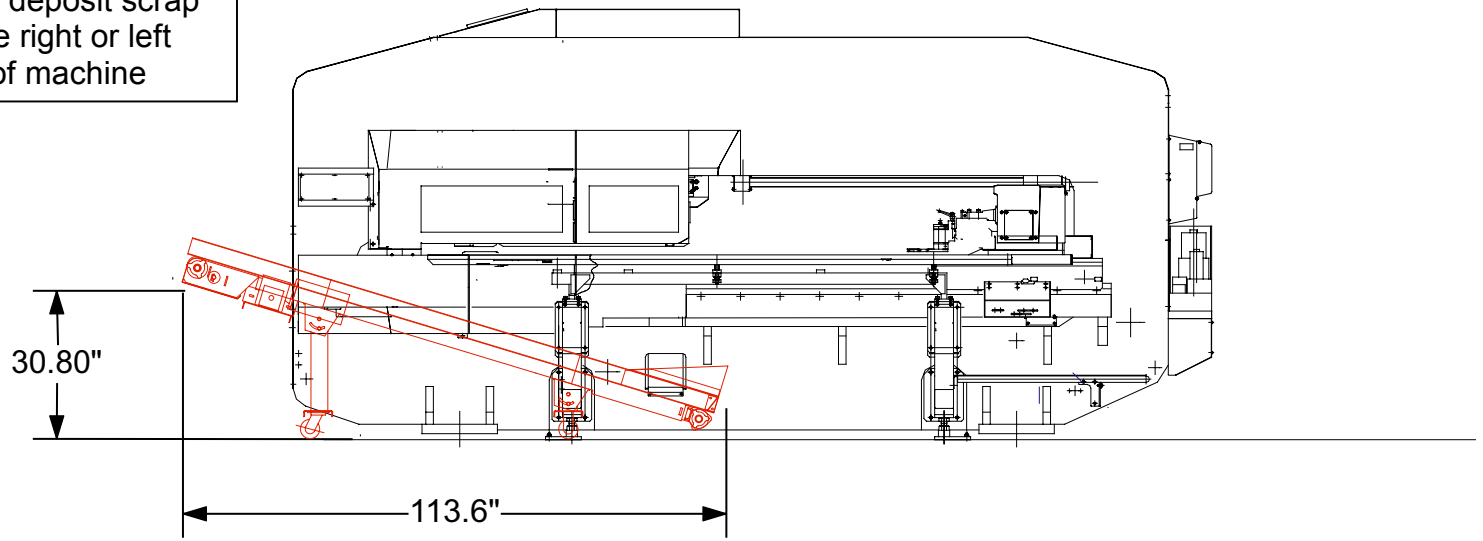
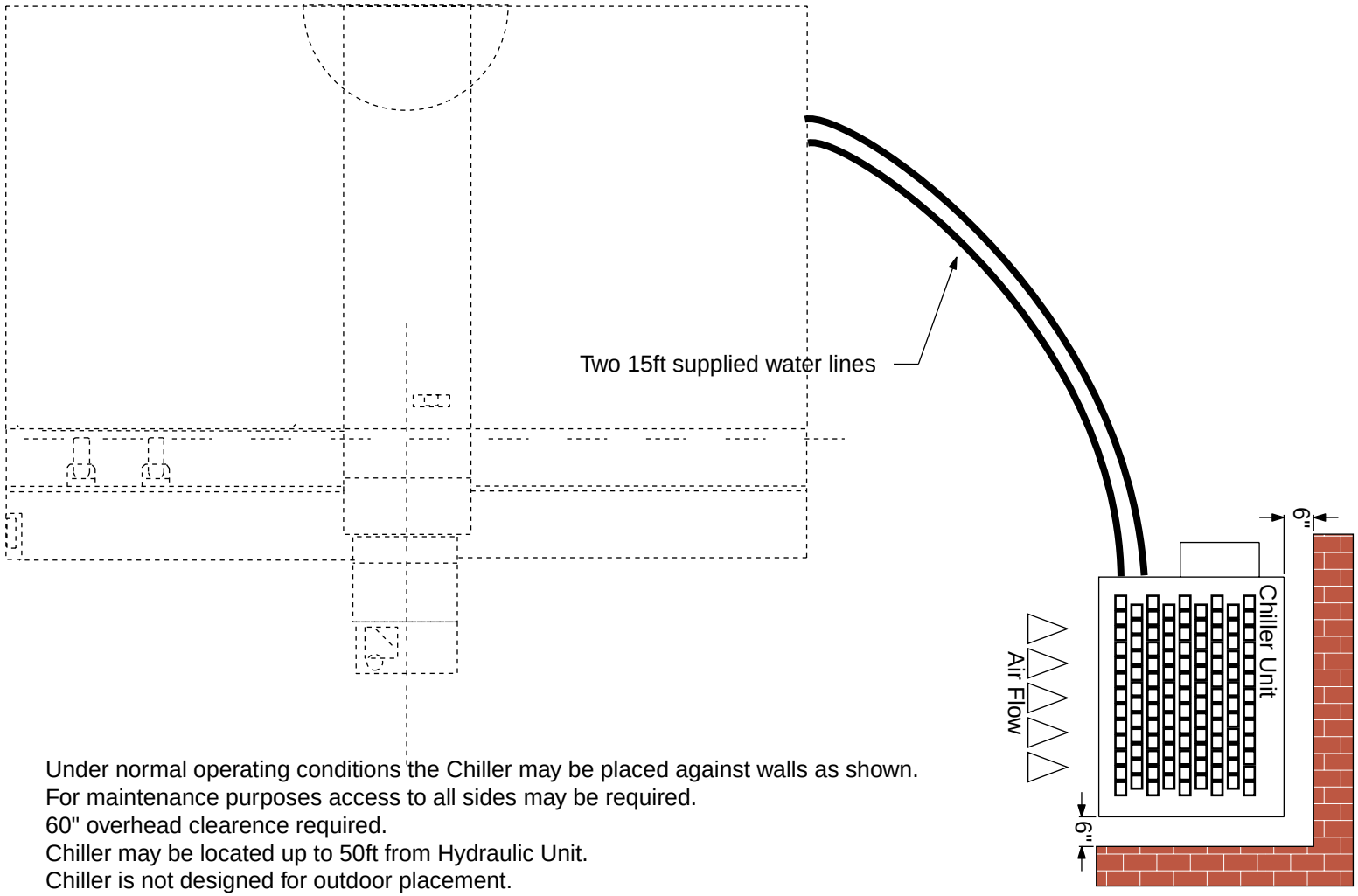
Conveyor Options – “Generic” Dual Rubber Belt Conveyor



Conveyors can be set to deposit scrap on the right or left side of machine



Chiller Placement



Under normal operating conditions the Chiller may be placed against walls as shown.
For maintenance purposes access to all sides may be required.
60" overhead clearence required.
Chiller may be located up to 50ft from Hydraulic Unit.
Chiller is not designed for outdoor placement.