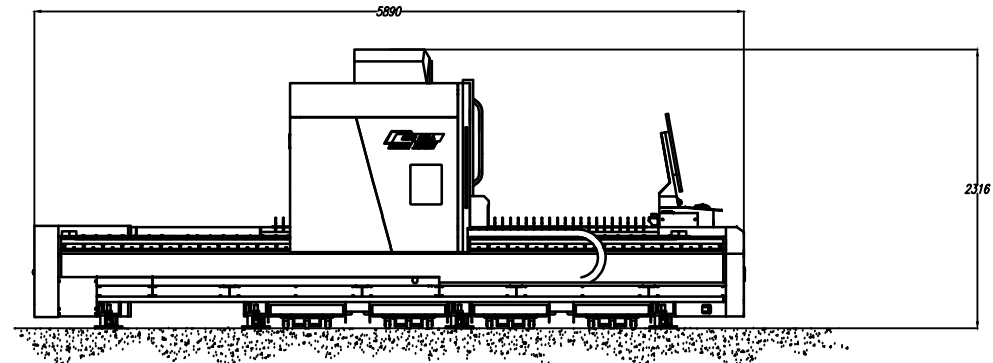
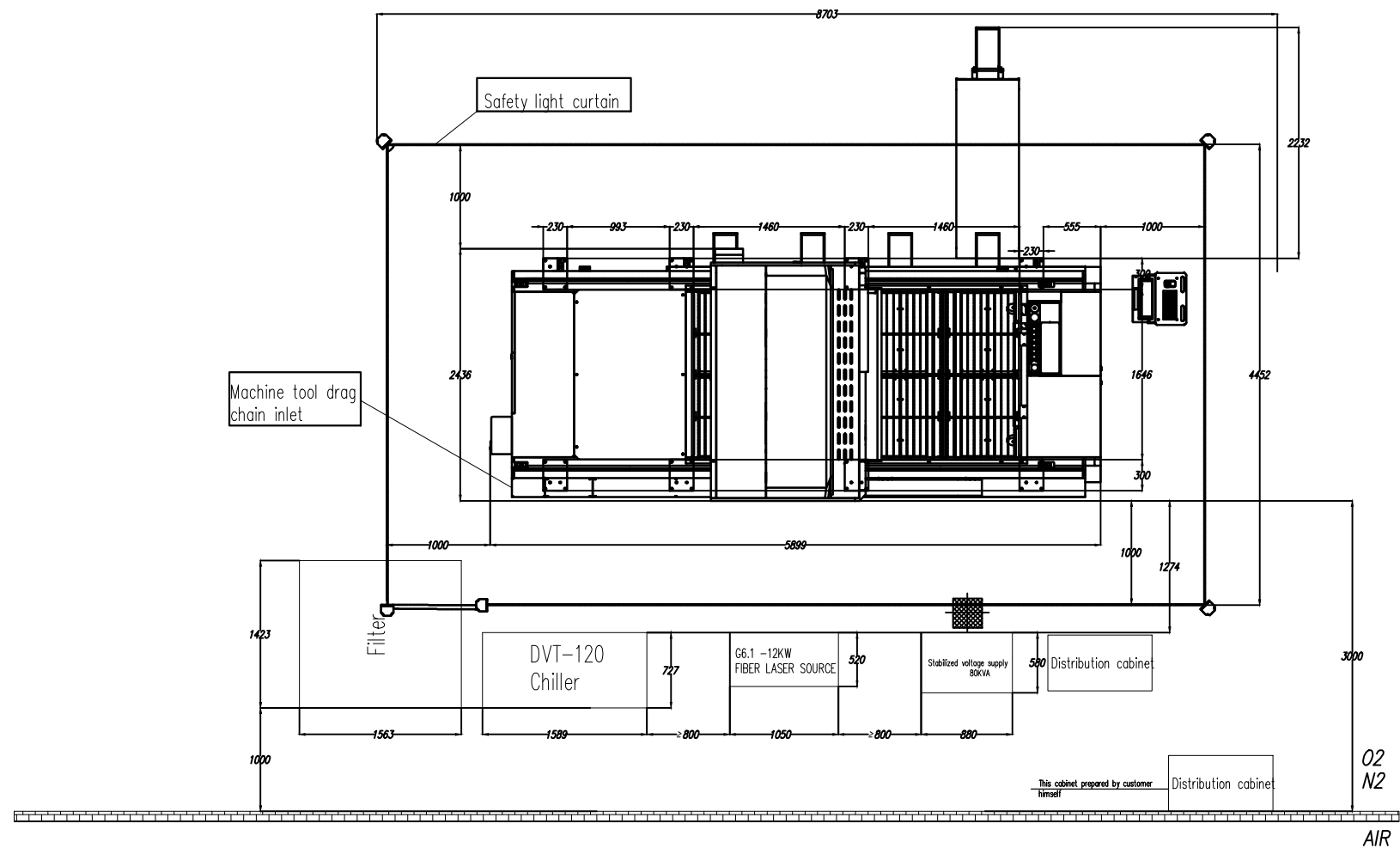




Mini Bull 3015

Introduction:

- 1.Industrial earthing can be adopted for the construction of laser cutting machine (in case ground earthing network is not provided around the workshop), earthing resistance shall be $<4\Omega$.
- 2.The ground bearing pressure should be at least 15000kg/m²,The flat level of horizontal ground shall be $<20\text{mm}$.
- 3.Requirement of laser working environment: temperature shall be between 10~40°C, relevant humidity shall be between 10%~85%,to avoid condensation during laser working.
- 4.It is recommended that air-compressor equipment and fan shall be placed outside the room.
- 5.It is recommended that water outlet is installed nearby the chiller as it is convenient for the cleaning of chiller.
- 6.The requirements of power supply of equipment: equipped with the control loop of separate protection function, and shall be leaded to the area nearby AC stabilized electric power source. Earth terminal (with size 300×100×10)
- 7.If there is a vibration source near the machine , the maximum amplitude of vibration is Horizontal $\leq 0.01\text{mm}$,Vertical $\leq 0.05\text{mm}$ (From peak to peak for frequencies below 15 Hz.Amplitude cannot increase to more than 10 dB per frequency decade if values are higher than 15Hz) .
8. Required concrete thickness: 200mm (6") Reinforced Grade C30 - PSI 4,351 Rebar Grid $\frac{1}{2}$ " dia x 8" x 8"

GAS QUALITY:

99.995% PURE, Clean, Dry, Oil-Free
99.99% PURE, Clean, water free, Oil-Free
and oxygen free ($\text{H}_2\text{O} \leq 100\text{vpm}$, $\text{CnHm} \leq 1\text{vpm}$, $\text{O}_2 \leq 5\text{vpm}$)
Clean, Dry, Oil-Free

REQUIRED FLOW RATES & INLET PRESSURES

OXYGEN 0-290 psi AT 100 cfm
NITROGEN 0-580 psi AT 170 cfm

AIR Cutting 220 psi AT 102 cfm

Peddilaser Plate 12 KW NOTES:

- 1.) Primary 460 V., 3 Ph., 60 Hz. [Req'd @ each]
Total K.V.A. for Peddilaser Bolt VII = 115.08 K.V.A. (Distribution Panel)
Total K.V.A. for Stabilizer = 80 K.V.A. (125 Amp Circuit Breaker)
Total K.V.A. for Chiller = 19.81 K.V.A. (32 Amp Circuit Breaker)
Total K.V.A. for Dust Collector = 9.62 K.V.A. (25 Amp Circuit Breaker)
Total K.V.A. for Air Compressor = 28.21 K.V.A. (50 Amp Circuit Breaker)
The customer must provide power to all five of the above-listed items, through a distribution panel.
- 2.) Air Requirement (Machine Only): 120 PSIG, not less than 32 SCFM Min. Free Air
- 3.) Cooling Water (DI Water): Deionized, demineralized, or distilled water {80 Gal. Total}

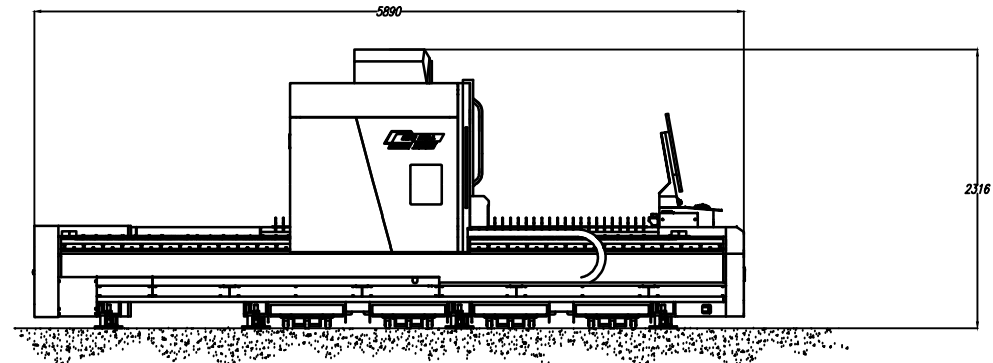
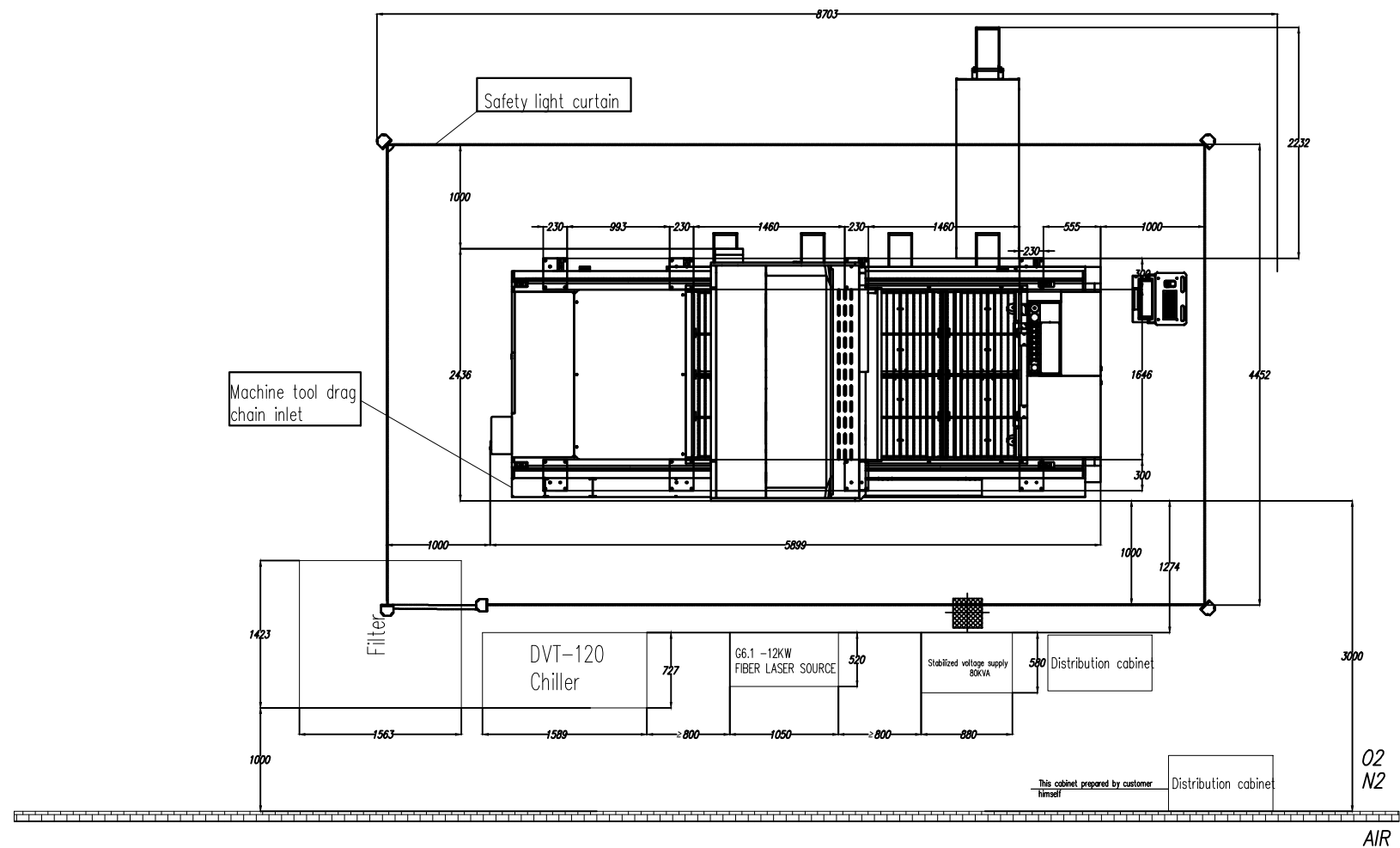
LUBRICANT OIL REQUIREMENTS:

Tellus S2V 32, 48, 68
Filling Capacity:10L
Noted: Any of the three can be used. Once a specific type is determined, there is no need to replace it later.
Used For Gear, Rack and Slider

HYDRAULIC OIL STATION:

Tellus S2 VX32 L-HS32
Filling Capacity:70L
Noted: Anti-wear hydraulic oil (Ultra-low temperature)

E		Peddinghaus Corp.		IMPORTANT Safety Model	
D		MiniBull 3015 12kW		System of the difficulty to effectively guard the	
C		for		responsibility is placed on the customer	
B		DRAWN BY: SCALE: 1:30 DATE: 7-20-28		X. Dated	
A		REVISION/CLAS		DRAWING NO.	
REV		BY DATE		THIS DRAWING IS THE PROPERTY OF PEDDINGHAUS CORP. AND IS NOT TO BE USED IN	



Mini Bull 3015

Introduction:

- 1.Industrial earthing can be adopted for the construction of laser cutting machine (in case ground earthing network is not provided around the workshop), earthing resistance shall be $<4\Omega$.
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- 5.It is recommended that water outlet is installed nearby the chiller as it is convenient for the cleaning of chiller.
- 6.The requirements of power supply of equipment: equipped with the control loop of separate protection function, and shall be leaded to the area nearby AC stabilized electric power source. Earth terminal (with size 300×100×10)
- 7.If there is a vibration source near the machine , the maximum amplitude of vibration is Horizontal $\leq 0.01\text{mm}$,Vertical $\leq 0.05\text{mm}$ (From peak to peak for frequencies below 15 Hz.Amplitude cannot increase to more than 10 dB per frequency decade if values are higher than 15Hz) .
8. Required concrete thickness: 200mm (6") Reinforced Grade C30 - PSI 4,351 Rebar Grid $\frac{1}{2}$ " dia x 8" x 8"

GAS QUALITY:

99.995% PURE, Clean, Dry, Oil-Free
99.99% PURE, Clean, water free, Oil-Free
and oxygen free ($\text{H}_2\text{O} \leq 100\text{Vpm}$, $\text{CnHm} \leq 1\text{Vpm}$, $\text{O}_2 \leq 5\text{Vpm}$)
Clean, Dry, Oil-Free

REQUIRED FLOW RATES & INLET PRESSURES

OXYGEN 0-290 psi AT 100 cfm
NITROGEN 0-580 psi AT 170 cfm

AIR Cutting 220 psi AT 102 cfm

PeddiLaser Plate 20 KW NOTES:

- 1.) Primary 460 V., 3 Ph., 60 Hz. [Req'd @ each 
Total K.V.A. for Peddilaser Bolt VII = 178.52 K.V.A. (Distribution Panel)
Total K.V.A. for Stabilizer = 120 K.V.A. (200 Amp Circuit Breaker)
Total K.V.A. for Chiller = 24.63 K.V.A. (50 Amp Circuit Breaker)
Total K.V.A. for Dust Collector = 9.62 K.V.A. (25 Amp Circuit Breaker)
Total K.V.A. for Air Compressor = 47.44 K.V.A. (80 Amp Circuit Breaker)
Total K.V.A. for Air Dryer = 3.85 K.V.A. (16 Amp Circuit Breaker)
The customer must provide power to all five of the above-listed items, through a distribution panel.
- 2.) Air Requirement (Machine Only): 120 PSIG, not less than 32 SCFM Min. Free Air
- 3.) Cooling Water (DI Water): Deionized, demineralized, or distilled water {105 Gal. Total}

LUBRICANT OIL REQUIREMENTS:

Tellus S2V 32, 48, 68
Filling Capacity:10L
Noted: Any of the three can be used. Once a specific type is determined, there is no need to replace it later.
Used For Gear, Rack and Slider

HYDRAULIC OIL STATION:

Tellus S2 VX32 L-HS32
Filling Capacity:70L
Noted: Anti-wear hydraulic oil (Ultra-low temperature)

E		Peddinghaus Corp.		IMPORTANT Safety Model	
D		MiniBull 3015 12kW		System of the difficulty to effectively guard the	
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