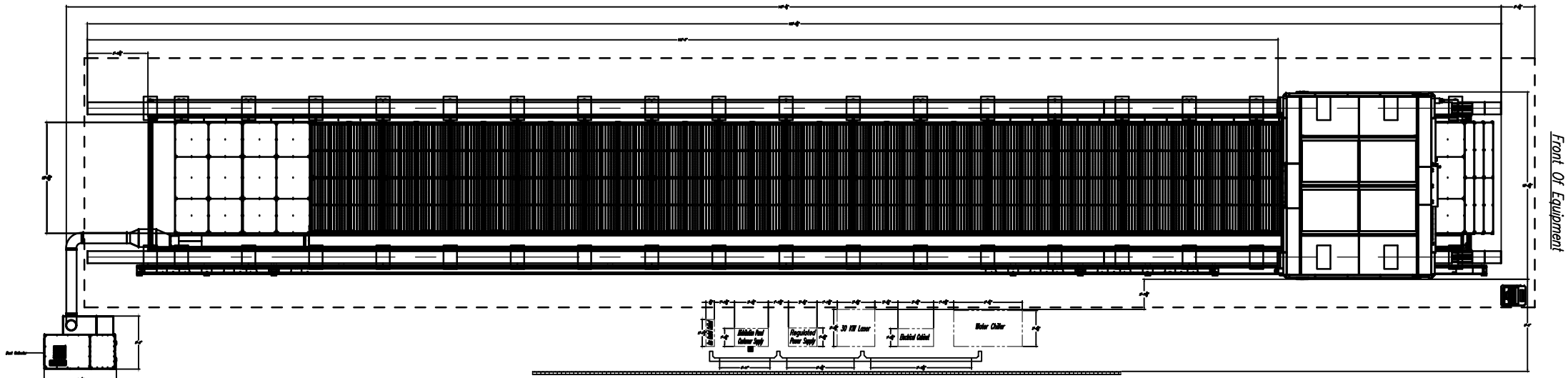
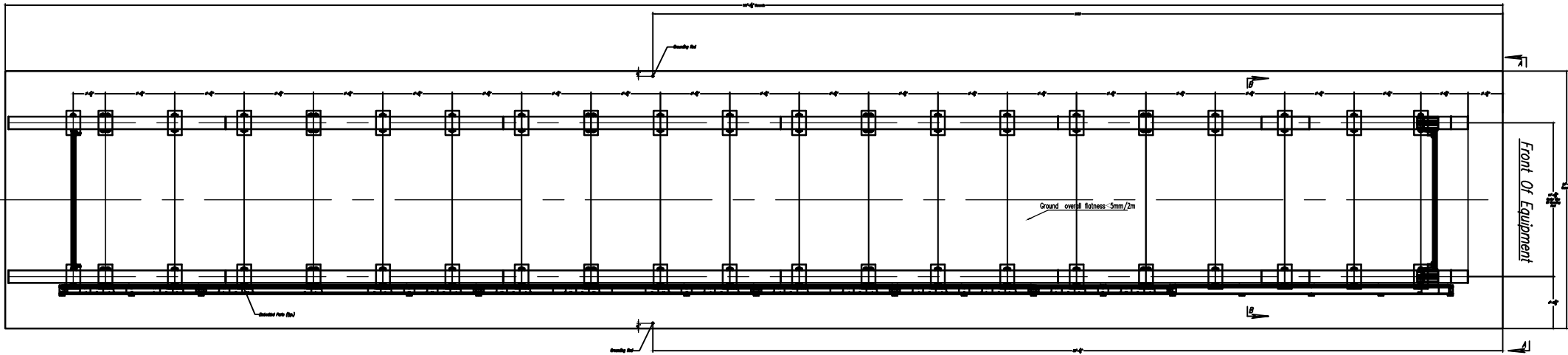
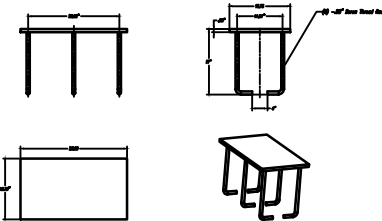


Section A-A



Section B-B



Embedded Parts

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)

GAS QUALITY:
O2 99.995% PURE, Clean, Dry, Oil-Free
N2 99.99% PURE, Clean, water free, Oil-Free
and oxygen free (H2O ≤100Vpm, CnHm ≤1Vpm, O2≤5Vpm)
AIR 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 = 197.06 K.V.A. (Distribution Panel)
Total K.V.A. for Stabilizer = 120 K.V.A. (160 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 = 23.72 K.V.A. (50 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 = 1.28 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}

Note: Anchor Bolts Provided With The Machine.
Note: Heavy-duty regulators for Oxygen and Nitrogen are provided with the machine.
Any customer supplied air compressor must meet the above-stated requirements.

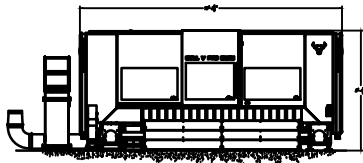
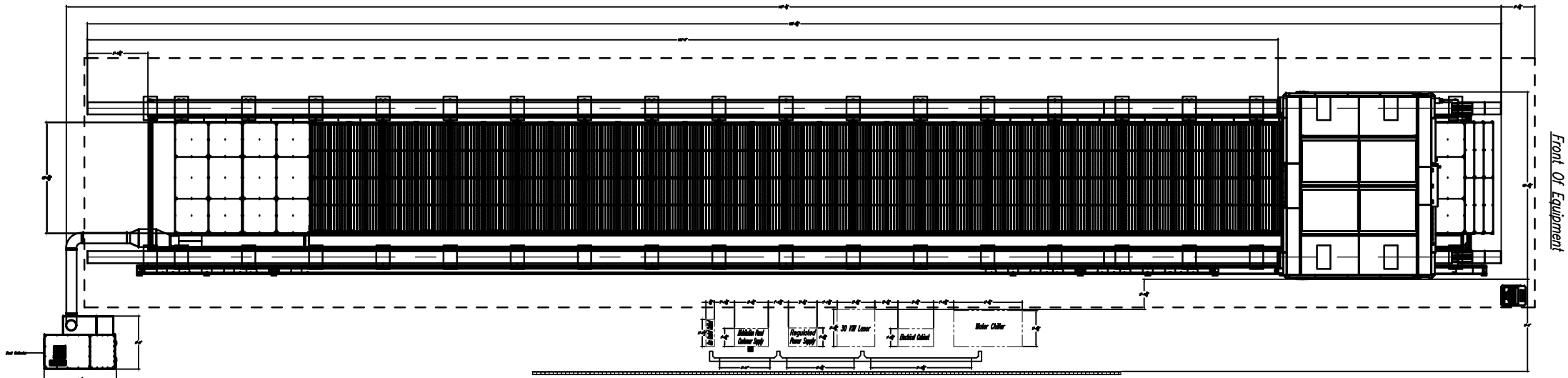
NOTE

1. It is recommended to install the main machine and auxiliary equipment such as the chiller and dust collector in separate rooms or area to isolate the heat and sound generated by the auxiliary equipment. It is necessary to remain enough free space to avoid blocking of the chiller's heat dissipation port and also a space at the dust collector's air outlet.
2. It is recommended to install the air compressor and air tank outdoors.
3. It is recommended to install an additional normal water inlet and outlet near the chiller for easy cleaning with water.
4. Requirements of power supply: a separate control circuit with protection function, the power cable must near to the AC stabilizer, copper ground strap(size: 300X100X10).
5. The dust collector should be placed strictly according to the designated position in the diagram, and it is strictly prohibited to use hoses in stead of matal pipes.
6. The electrical cabinet for the main power supply is prepared by the customer, and the cable and gas cable duct are prepared by the customer in advance.
7. All dimensions are in millimeters.

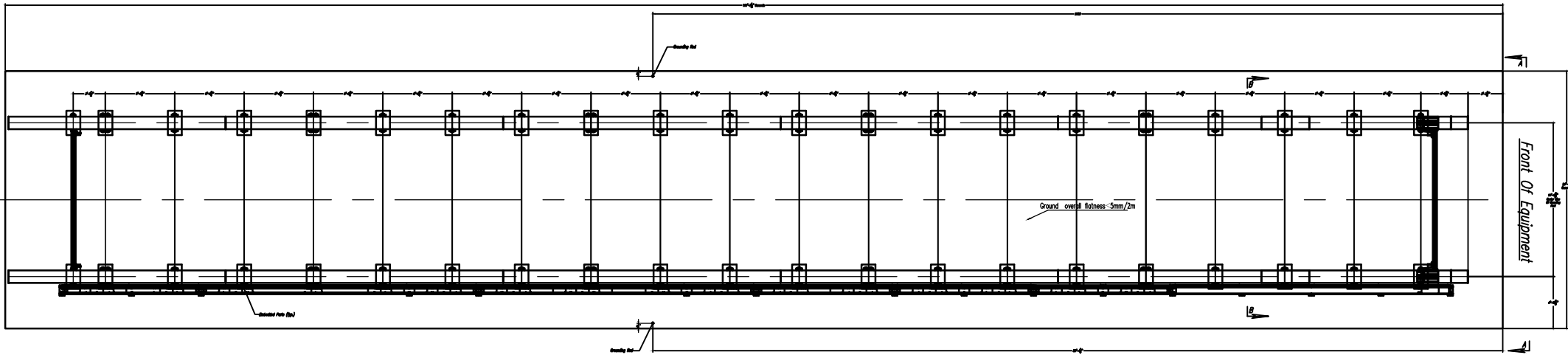
Explanation:

1. laser cutting machine near the implementation of reliable industrial grounding (such as no grounding ring network around the workshop), grounding resistance <4Ω;
- 2, the bearing capacity of the ground to reach at least 90000kg/m2, the foundation must be built on the bearing layer, the ground flatness ≤±25mm; Concrete thickness 6" reinforced C30 Grade (4,350 PSI) ½" Dia, x 8" x 8" Rebar grid spacing.
- 3, Horizontal 0.01mm, vertical 0.05mm; 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 15 Hz.
4. the equipment requirements for power: a separate and protective control loop, and led to the AC regulated power supply. Ground busbar (size: 300X100X10);
5. ensure that there is enough distance on the right side of the machine to ensure that the slag car can be pulled out smoothly;
6. No settlement of the foundation (Customers can decide by themselves according to the local geological conditions, but the bearing requirements should be met)
7. Network requirements are as follows: Network bandwidth: 100 Mbit/s or above; Use network cables: The network cables must be at least Category 5 network cables, and the distance between the device and the switch must be no more than 70 meters. Otherwise, a switch needs to be added for trunk.
8. All sizes are in available in millimeters;
- 9.The main view of the device is a top view.
10. operating temperature 10°C-40°C. Humidity 20%-70%.

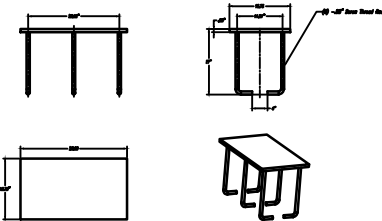
E				Peddinghaus Corp. BRADLEY, ILL. U.S.A. PeddiLaser Laser Bull V 32030 For		IMPORTANT Safety Note!	
D						Because of the difficulty to effectively guard the full length of the system it is the customers responsibility to prevent access by unauthorized personnel and to provide safe crossing.	
C						DRAWN BY: SCALE: 1/2" = 1' DATE: 7-20-26	
B						G. Carpenter DRWG. NO.	
A							
LET.	REVISION/C.N.#	BY	DATE	THIS PRINT IS THE PROPERTY OF PEDDINGHAUS CORP. AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF SAID COMPANY			



Section A-A



Section B-B



Embedded Parts

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)

GAS QUALITY:
O2 99.995% PURE, Clean, Dry, Oil-Free
N2 99.99% PURE, Clean, water free, Oil-Free
and oxygen free (H2O ≤100Vpm, CnHm ≤1Vpm, O2≤5Vpm)
AIR 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 30 KW NOTES:

- 1.) Primary 460 V., 3 Ph., 60 Hz. [Req'd @ each]
Total K.V.A. for Peddilaser Bolt VII = 243.52 K.V.A. (Distribution Panel)
Total K.V.A. for Stabilizer = 150 K.V.A. (200 Amp Circuit Breaker)
Total K.V.A. for Chiller = 37.75 K.V.A. (63 Amp Circuit Breaker)
Total K.V.A. for Dust Collector = 23.72 K.V.A. (50 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 = 1.28 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 {80 Gal. Total}

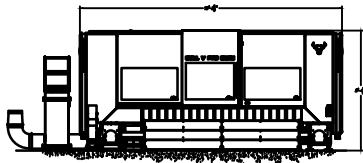
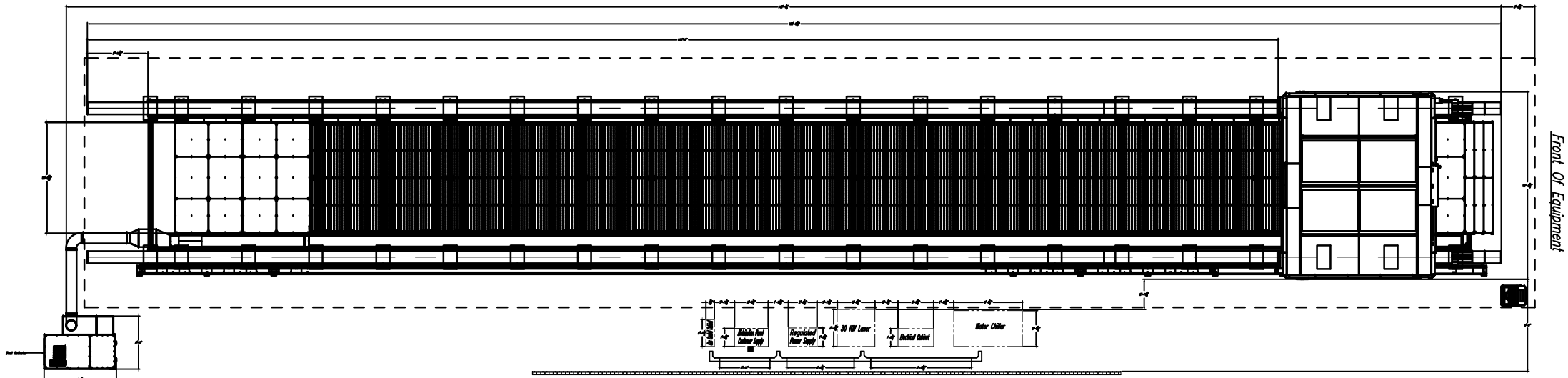
Note: Anchor Bolts Provided With The Machine.
Note: Heavy-duty regulators for Oxygen and Nitrogen are provided with the machine.
Any customer supplied air compressor must meet the above-stated requirements.

NOTE

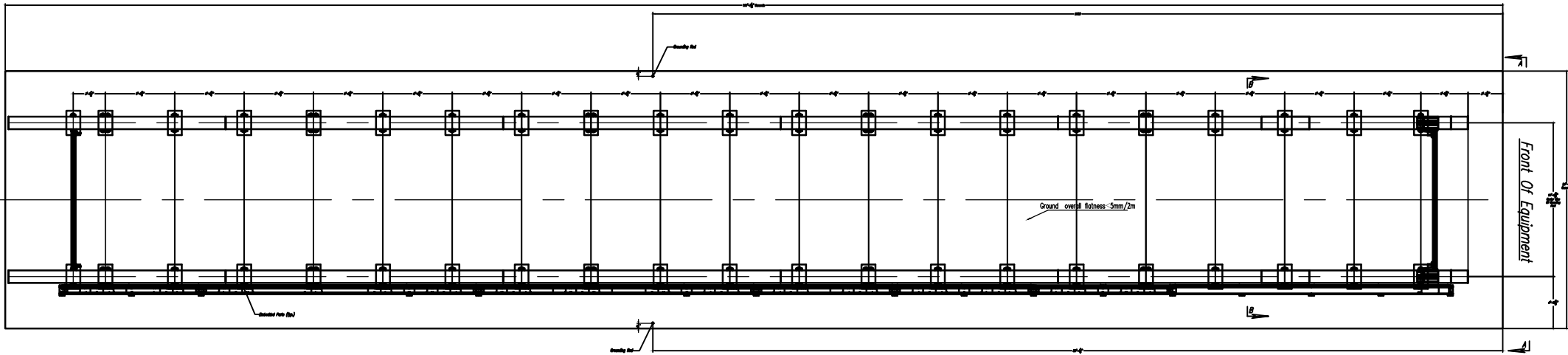
1. It is recommended to install the main machine and auxiliary equipment such as the chiller and dust collector in separate rooms or area to isolate the heat and sound generated by the auxiliary equipment. It is necessary to remain enough free space to avoid blocking of the chiller's heat dissipation port and also a space at the dust collector's air outlet.
2. It is recommended to install the air compressor and air tank outdoors.
3. It is recommended to install an additional normal water inlet and outlet near the chiller for easy cleaning with water.
4. Requirements of power supply: a separate control circuit with protection function, the power cable must near to the AC stabilizer, copper ground strap(size: 300X100X10).
5. The dust collector should be placed strictly according to the designated position in the diagram, and it is strictly prohibited to use hoses in stead of matal pipes.
6. The electrical cabinet for the main power supply is prepared by the customer, and the cable and gas cable duct are prepared by the customer in advance.
7. All dimensions are in millimeters.

- Explanation:
1. laser cutting machine near the implementation of reliable industrial grounding (such as no grounding ring network around the workshop), grounding resistance <4Ω;
2, the bearing capacity of the ground to reach at least 90000kg/m2, the foundation must be built on the bearing layer, the ground flatness ≤±25mm; Concrete thickness 6" reinforced C30 Grade (4,350 PSI) ½" Dia, x 8" x 8" Rebar grid spacing.
3, Horizontal 0.01mm, vertical 0.05mm; 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 15 Hz.
4. the equipment requirements for power: a separate and protective control loop, and led to the AC regulated power supply. Ground busbar (size: 300X100X10);
5. ensure that there is enough distance on the right side of the machine to ensure that the slag car can be pulled out smoothly;
6. No settlement of the foundation (Customers can decide by themselves according to the local geological conditions, but the bearing requirements should be met)
7. Network requirements are as follows: Network bandwidth: 100 Mbit/s or above; Use network cables: The network cables must be at least Category 5 network cables, and the distance between the device and the switch must be no more than 70 meters. Otherwise, a switch needs to be added for trunk.
8. All sizes are in available in millimeters;
9.The main view of the device is a top view.
10. operating temperature 10°C-40°C. Humidity 20%-70%.

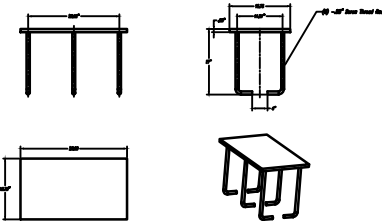
E				Peddinghaus Corp.	THIS PRINT IS THE PROPERTY OF PEDDINGHAUS CORP. AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF SAID COMPANY	IMPORTANT Safety Note! Because of the difficulty to effectively guard the full length of the system it is the customers responsibility to prevent access by unauthorized personnel and to provide safe crossing. DRAWN BY: <i>G. Carpenter</i> SCALE: 1/2" = 1' DATE: 7-20-26 DRWG. NO.
D				BRADLEY, ILL. U.S.A.		
C				PeddiPlate Laser Bull V 32030		
B				For		
A						
LET.	REVISION/C.N.#	BY	DATE			



Section A-A



Section B-B



Embedded Parts

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)

GAS QUALITY:
O2 99.995% PURE, Clean, Dry, Oil-Free
N2 99.99% PURE, Clean, water free, Oil-Free
and oxygen free (H2O ≤100Vpm, CnHm ≤1Vpm, O2≤5Vpm)
AIR 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 113 cfm
PeddiLaser Plate 40 KW NOTES:

- 1.) Primary 460 V., 3 Ph., 60 Hz. [Req'd @ each]
Total K.V.A. for Peddilaser Bolt VII = 277.85 K.V.A. (Distribution Panel)
Total K.V.A. for Stabilizer = 200 K.V.A. (250 Amp Circuit Breaker)
Total K.V.A. for Chiller = 48.75 K.V.A. (100 Amp Circuit Breaker)
Total K.V.A. for Dust Collector = 23.72 K.V.A. (50 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 = 1.28 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}

Note: Anchor Bolts Provided With The Machine.
Note: Heavy-duty regulators for Oxygen and Nitrogen are provided with the machine.
Any customer supplied air compressor must meet the above-stated requirements.

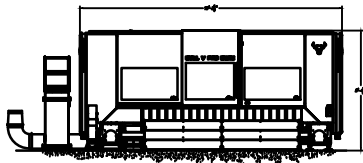
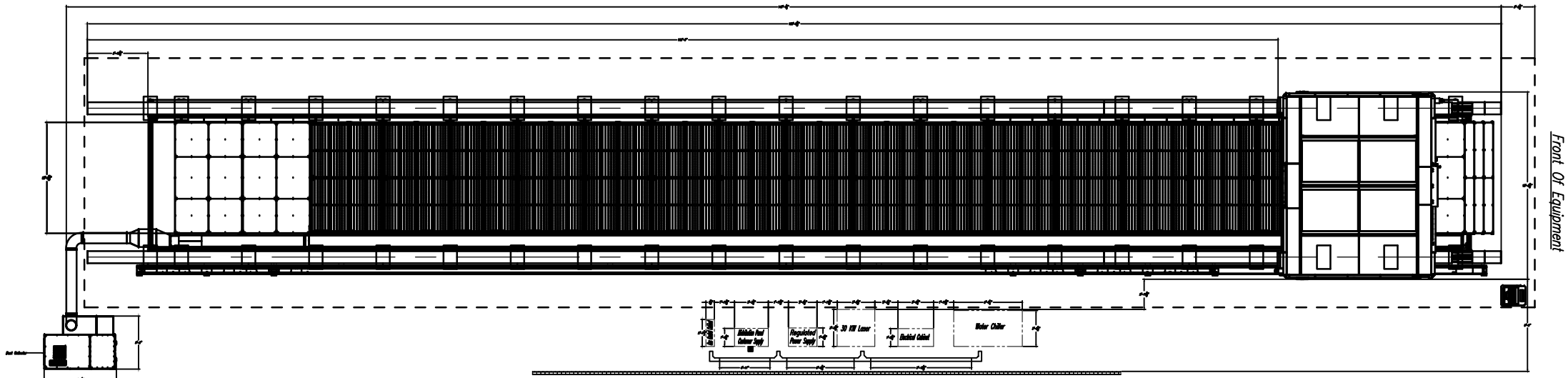
NOTE

1. It is recommended to install the main machine and auxiliary equipment such as the chiller and dust collector in separate rooms or area to isolate the heat and sound generated by the auxiliary equipment. It is necessary to remain enough free space to avoid blocking of the chiller's heat dissipation port and also a space at the dust collector's air outlet.
2. It is recommended to install the air compressor and air tank outdoors.
3. It is recommended to install an additional normal water inlet and outlet near the chiller for easy cleaning with water.
4. Requirements of power supply: a separate control circuit with protection function, the power cable must near to the AC stabilizer, copper ground strap(size: 300X100X10).
5. The dust collector should be placed strictly according to the designated position in the diagram, and it is strictly prohibited to use hoses in stead of matal pipes.
6. The electrical cabinet for the main power supply is prepared by the customer, and the cable and gas cable duct are prepared by the customer in advance.
7. All dimensions are in millimeters.

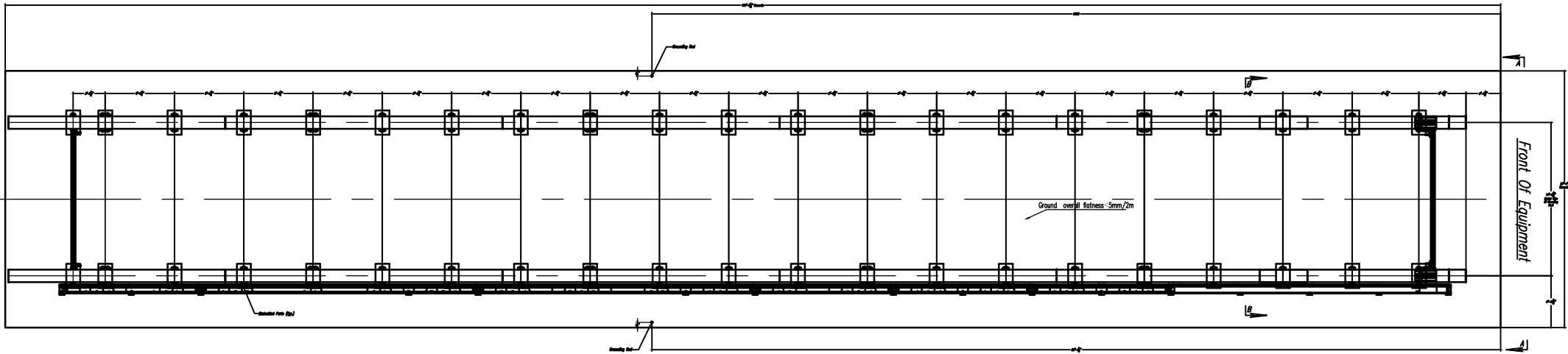
Explanation:

1. laser cutting machine near the implementation of reliable industrial grounding (such as no grounding ring network around the workshop), grounding resistance <4Ω;
2, the bearing capacity of the ground to reach at least 90000kg/m2, the foundation must be built on the bearing layer, the ground flatness ≤±25mm; Concrete thickness 6" reinforced C30 Grade (4,350 PSI) ½" Dia, x 8" x 8" Rebar grid spacing.
3, Horizontal 0.01mm, vertical 0.05mm; 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 15 Hz.
4. the equipment requirements for power: a separate and protective control loop, and led to the AC regulated power supply. Ground busbar (size: 300X100X10);
5. ensure that there is enough distance on the right side of the machine to ensure that the slag car can be pulled out smoothly;
6. No settlement of the foundation (Customers can decide by themselves according to the local geological conditions, but the bearing requirements should be met)
7. Network requirements are as follows: Network bandwidth: 100 Mbit/s or above; Use network cables: The network cables must be at least Category 5 network cables, and the distance between the device and the switch must be no more than 70 meters. Otherwise, a switch needs to be added for trunk.
8. All sizes are in available in millimeters;
9.The main view of the device is a top view.
10. operating temperature 10°C-40°C. Humidity 20%-70%.

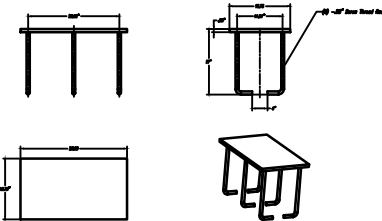
E				Peddinghaus Corp.	IMPORTANT Safety Note
D				BRADLEY, ILL. U.S.A.	Because of the difficulty to effectively guard the full length of the system it is the customers responsibility to prevent access by unauthorized personnel and to provide safe crossing.
C				PeddiPlate Laser Bull V 32030	DRAWN BY: SCALE: 1/2" = 1' DATE: 7-20-26
B				For	G. Carpenter DRWG. NO.
A					
LET.	REVISION/C.N.#	BY	DATE	THIS PRINT IS THE PROPERTY OF PEDDINGHAUS CORP. AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF SAID COMPANY	



Section A-A



Section B-B



Embedded Parts

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)

GAS QUALITY:
O2 99.995% PURE, Clean, Dry, Oil-Free
N2 99.99% PURE, Clean, water free, Oil-Free
and oxygen free (H2O ≤100Vpm, CnHm ≤1Vpm, O2≤5Vpm)
AIR 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 113 cfm
PeddiLaser Plate 60 KW NOTES:

- 1.) Primary 460 V., 3 Ph., 60 Hz. [Req'd @ each]
Total K.V.A. for Peddilaser Bolt VII = 413.63 K.V.A. (Distribution Panel)
Total K.V.A. for Stabilizer = 300 K.V.A. (400 Amp Circuit Breaker)
Total K.V.A. for Chiller = 80 K.V.A. (160 Amp Circuit Breaker)
Total K.V.A. for Dust Collector = 23.72 K.V.A. (50 Amp Circuit Breaker)
Total K.V.A. for Air Compressor = 70.51 K.V.A. (125 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}

Note: Anchor Bolts Provided With The Machine.
Note: Heavy-duty regulators for Oxygen and Nitrogen are provided with the machine.
Any customer supplied air compressor must meet the above-stated requirements.

NOTE

1. It is recommended to install the main machine and auxiliary equipment such as the chiller and dust collector in separate rooms or area to isolate the heat and sound generated by the auxiliary equipment. It is necessary to remain enough free space to avoid blocking of the chiller's heat dissipation port and also a space at the dust collector's air outlet.
2. It is recommended to install the air compressor and air tank outdoors.
3. It is recommended to install an additional normal water inlet and outlet near the chiller for easy cleaning with water.
4. Requirements of power supply: a separate control circuit with protection function, the power cable must near to the AC stabilizer, copper ground strap(size: 300X100X10).
5. The dust collector should be placed strictly according to the designated position in the diagram, and it is strictly prohibited to use hoses in stead of matal pipes.
6. The electrical cabinet for the main power supply is prepared by the customer, and the cable and gas cable duct are prepared by the customer in advance.
7. All dimensions are in millimeters.

Explanation:

1. laser cutting machine near the implementation of reliable industrial grounding (such as no grounding ring network around the workshop), grounding resistance <4Ω;
2, the bearing capacity of the ground to reach at least 90000kg/m2, the foundation must be built on the bearing layer, the ground flatness ≤±25mm; Concrete thickness 6" reinforced C30 Grade (4,350 PSI) ½" Dia, x 8" x 8" Rebar grid spacing.
3, Horizontal 0.01mm, vertical 0.05mm; 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 15 Hz.
4. the equipment requirements for power: a separate and protective control loop, and led to the AC regulated power supply. Ground busbar (size: 300X100X10);
5. ensure that there is enough distance on the right side of the machine to ensure that the slag car can be pulled out smoothly;
6. No settlement of the foundation (Customers can decide by themselves according to the local geological conditions, but the bearing requirements should be met)
7. Network requirements are as follows: Network bandwidth: 100 Mbit/s or above; Use network cables: The network cables must be at least Category 5 network cables, and the distance between the device and the switch must be no more than 70 meters. Otherwise, a switch needs to be added for trunk.
8. All sizes are in available in millimeters;
9.The main view of the device is a top view.
10. operating temperature 10°C-40°C. Humidity 20%-70%.

E				Peddinghaus Corp.	IMPORTANT Safety Note Because of the difficulty to effectively guard the full length of the system it is the customers responsibility to prevent access by unauthorized personnel and to provide safe crossing. DRAWN BY: SCALE: 1/2" = 1' DATE: 7-20-26 G. Carpenter DRWG. NO.
D				BRADLEY, ILL. U.S.A.	
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LET.	REVISION/C.N.#	BY	DATE	THIS PRINT IS THE PROPERTY OF PEDDINGHAUS CORP. AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF SAID COMPANY	