PLAFOLIFT International

OPERATOR MANUAL

PHD 26 4X4

VERIFYED BY: _____

DATE: _____

Our Vision

Our goal is to build a business that will always be our customer's first choice, by providing high performance and secure lifting solutions, regardless of the industry they evolve in.

Our mission

The mission of Plafolift International is to improve productivity for business' that require solutions above and beyond standard lifting operation. This goal is achieved by listening to customer needs and requirements. Our innovation capacity and technical knowhow is put to work to constantly improve our products.

Culture

We hire people who focus on customer needs. Our team always keeps performance in mind. Together, we are aware that everything changes, everything will continue to change, and innovation is the key to success. We are all committed to the improvement of our process, equipment and the delivery of quality goods to all our customers.

Values

We promote a stimulating work environment, based on honesty, individual responsibility, open mindedness, creativity and team work.

Preface

This motorized elevated work platform is the result of the technological improvement of Plafolift International and the quality care in conception, engineering and manufacturing. All the information, including illustrations and characteristics, comprised in this manual is based on data available at the moment this manual was written. It is essential that all maintenance or operating personnel, has read and understood the information in this manual.

Always keep the operator manual in the intended waterproof box of your elevated work platform.

It is difficult to predict every possible situation and work condition. Consequently, the user/operator is solely responsible and must follow all safety rules of the local authority.

The instructions included in this operation and safety manual are based on the intended use of the equipment. They are related to its design and manufacturing characteristics. Any alteration or modification performed on this equipment without written authorization from Plafolift International is forbidden. Plafolift International is not responsible for inadequate or abusive use of this equipment, such as overloads, lacks of maintenance, inappropriate cold weather handling, etc.

The symbols down below illustrate safety notices. Inside this manual, they indicate dangers, hazards and situations that require special attention. These security instructions must be followed to reduce the risk of injury to personnel or damage to the equipment. The words ‘Danger’ and ‘Warning’ represent two levels of importance in regards to injury or damage.

Indication of an imminent dangerous situation that can result in a major accident or death.

Indication of a potential situation that can result in a major accident or death.

It is important to read, understand and follow all the security related instructions on the placards all around the unit or written in the operator manual.

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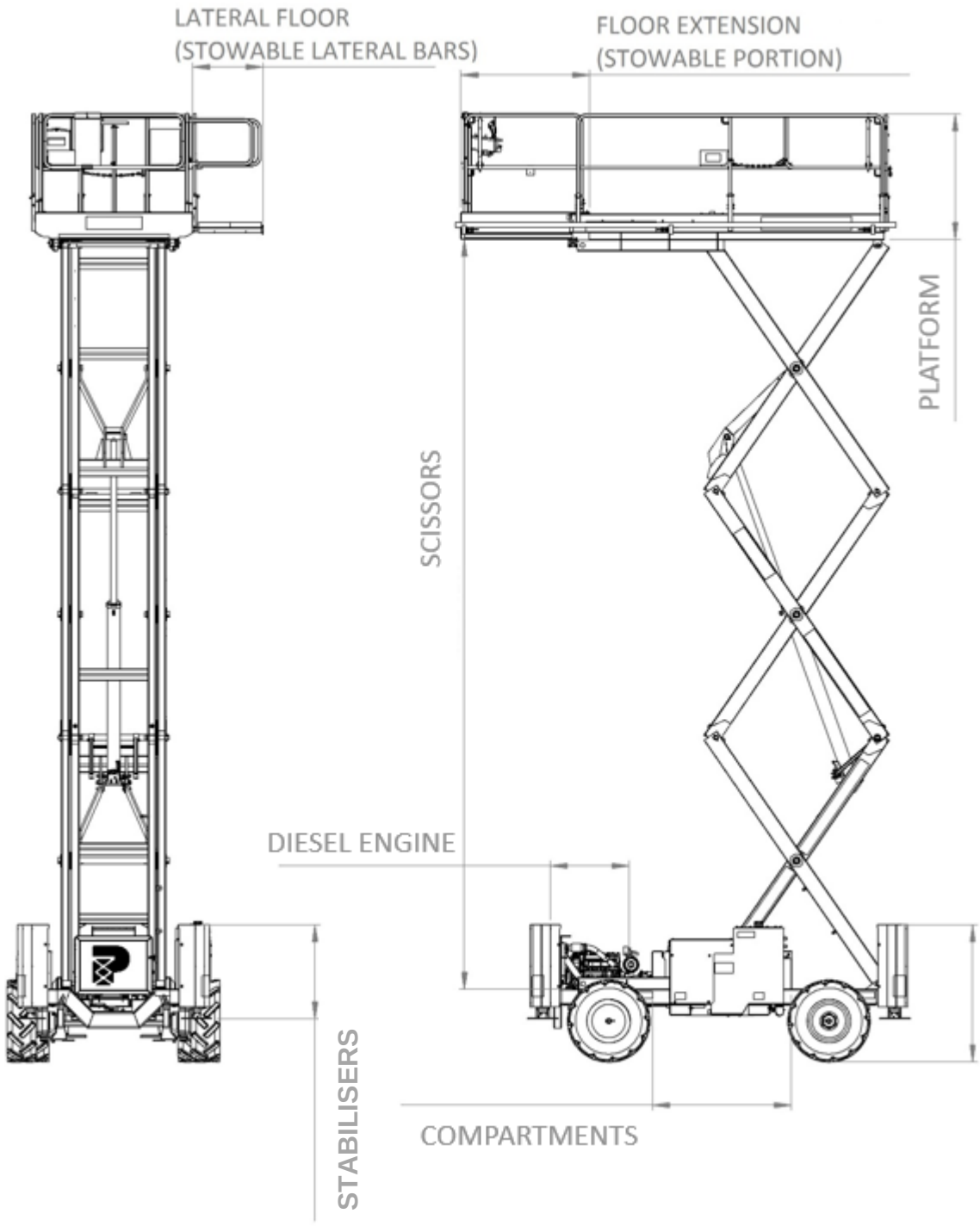
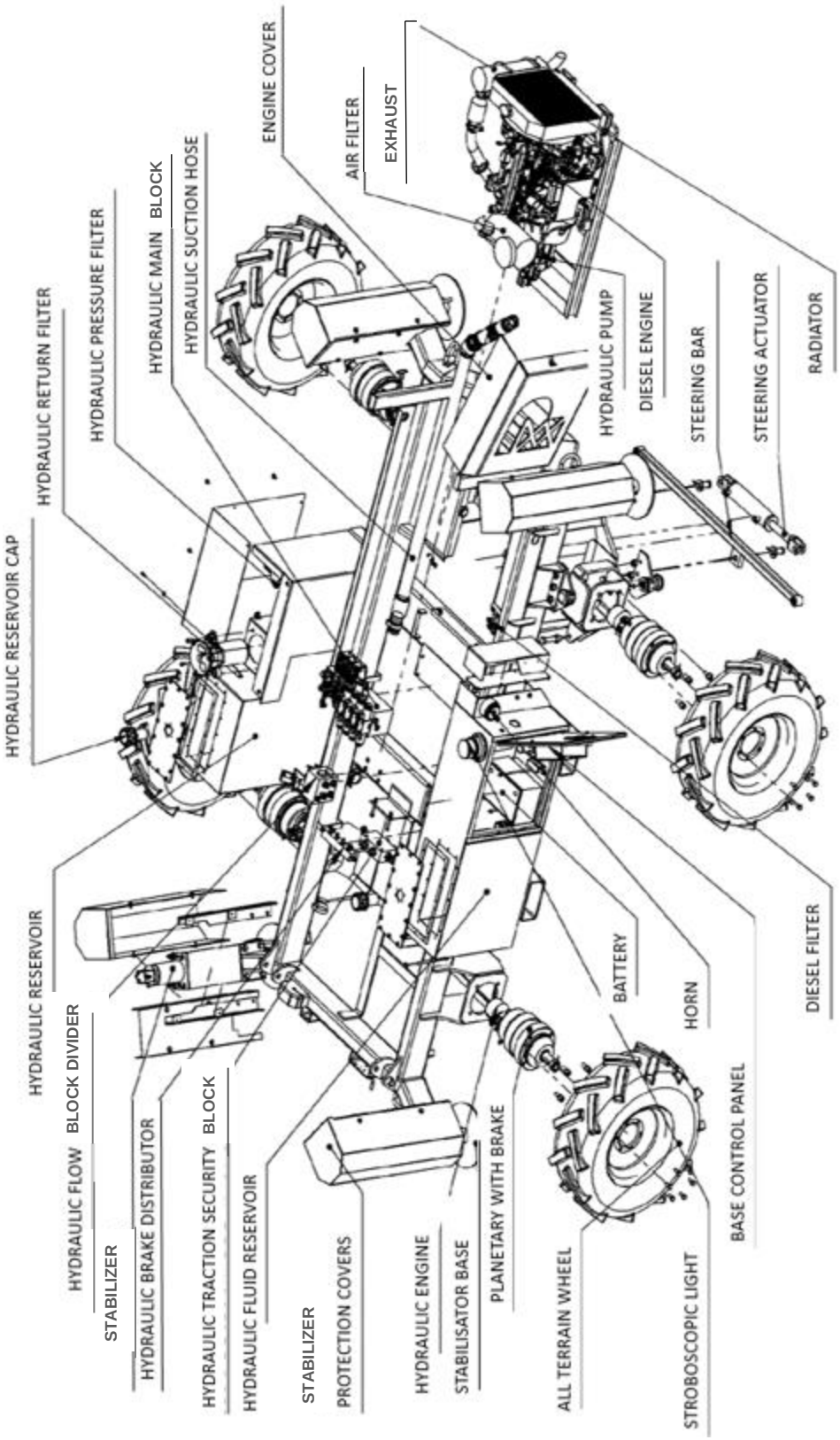
1 GENERAL PRESENTATION




ENGINE COVER
AIR FILTER
EXHAUST
HYDRAULIC SUCTION HOSE
HYDRAULIC MAIN BLOCK
HYDRAULIC PRESSURE FILTER
HYDRAULIC RETURN FILTER
HYDRAULIC RESERVOIR CAP
HYDRAULIC PUMP
DIESEL ENGINE
STEERING BAR
STEERING ACTUATOR
RADIATOR
HYDRAULIC RESERVOIR
HYDRAULIC FLOW BLOCK DIVIDER
STABILIZER
HYDRAULIC BRAKE DISTRIBUTOR
HYDRAULIC TRACTION SECURITY BLOCK
HYDRAULIC FLUID RESERVOIR
STABILIZER
PROTECTION COVERS
HYDRAULIC ENGINE
STABILISATOR BASE
PLANETARY WITH BRAKE
ALL TERRAIN WHEEL
STROBOSCOPIC LIGHT
BASE CONTROL PANEL
HORN
BATTERY
DIESEL FILTER

2 SECURITY

2.1 GENERAL

Failure to comply with the safety rules listed in this manual can cause mechanical damage, injury to personnel or death.

Never alter or modify the equipment without consent from Plafolift International. Modifications could result in equipment damage and put operator and ground personnel in danger.

This equipment is manufactured to meet safety standard CAN B 354.2-01 – Self Propelled elevated work platform.

To operate this equipment, one must have received training on inspection, use and driving of the elevated work platform, including the identification of related risks. Personnel operating this equipment should possess proof of qualification.

The equipment must be operated in a safe manner and the operator must have the required knowledge to eliminate all risks of injury.

He has to

- Understand and be familiar with all functions of the equipment.
- Be trained on maintenance points and elements related to specific model use.
- Know the health and safety rules related to this type of equipment in his area
- Be able to demonstrate his ability to understand and operate the equipment as shown by a qualified instructor

Before using this equipment, the operator must have knowledge of the risks and dangers described by the manufacturer. These are marked on placards around the equipment and in the operator manual.

The operator can be exposed to risks such as falls, electric shock, crushing, tipping, etc.

The following pages enunciate important safety rules that must be followed when operating or performing maintenance on this equipment. Failure to abide by these rules can result in damage to the equipment, injury to personnel or even death.

Safe driving includes

- Selection of an appropriate elevated work platform in relation with capacity, range, surface of use and work environment
- A competent operator who has been trained for inspection, use and maneuver of the equipment
- The application of safety rules to reduce the risk of accidents

2.2 Work area inspection

The area where the platform will be used needs to be inspected before and while operating for the following, but not limited to, potential risks and hazards.

- Holes in the ground
- Slopes
- Bumps and obstacles
- Debris
- Height limitations and electrical wires
- Dangerous emanations
- Inadequate or unstable surfaces to support platform load regardless of configuration
- Wind velocity and weather conditions
- Any other possible dangerous condition

2.3 At all times

- All personnel must wear his personal protection equipment in relation to the environment and the type of work to be performed
- Guardrails must be properly installed and secure
- Load must be evenly distributed on the platform and never exceed maximum capacity
- Equipment shall not be used in strong winds or gusts
- Do not cover platform sides or carry large surface-area items. This will increase wind exposure and reduce stability.

2.4 During use

2.4.1 Fall protection

Even if the guardrail system provides fall protection, rules and regulations related to the workplace may require additional fall protection. Users and operators must conform to laws in effect. Any supplementary fall protection system must be fixed to a guardrail lanyard anchorage point.

One occupant per anchor point

2.4.2 Tip-over protection

For protection against tip-overs, **DO NOT**

- Drive equipment into holes, ditches or near unloading docks
- Raise platform in a slope or drive platform in a slope when raised
- Operate platform with damaged or missing parts
- Operate platform in strong winds
- Put stabilizers on a drain or manhole

2.4.3 Slopes and ditches

The motorized elevated work platform must always be driven on a flat, hard and level surface. In case the work platform should be on a slope of more than 2.5° when raised, all functions will be automatically disabled except the lowering function. The operator cannot raise the platform on a slope exceeding 2.5°.

2.4.4 Guardrails

Every access must be secured properly before raising the platform. Guardrails must be installed properly to the appropriate attachment bracket.

2.4.5 Clearance height

The operator must ensure that height clearance is sufficient to avoid contact with any obstacle, equipment or electrical wiring.

2.4.6 Electrical hazard

If the platform is not electrically grounded, precautions must be taken. Operator needs to keep required minimum distance between platform and high tension wires. Distance is proportional to voltage. If work is undertaken nearby electrical wire, consult electrical code in the area.

Always assume electrical wires are live, unless you have confirmation that power has been shut down

Minimum approach distances

Tension (Between phase voltage)	Minimal distance
0 to 300 V	No contact
300 V to 50 kV	3.0 m (10 ft.)
50 kV to 200 kV	4.6 m (15 ft.)
200 kV to 350 kV	6.1 m (20 ft.)
350 kV to 500 kV	7.7 m (25 ft.)
500 kV to 750 kV	10.7 m (35 ft.)
750 kV to 1000 kV	13.8 m (45 ft.)

2.4.7 Inappropriate use of equipment

Users shall not climb or stand on intermediate traverses or on superior traverses of platform.

Use of ladders or any other object to increase height or range is forbidden.

Increasing height or range in any way, shape or form other than intended by manufacturer can cause serious injury or even death.

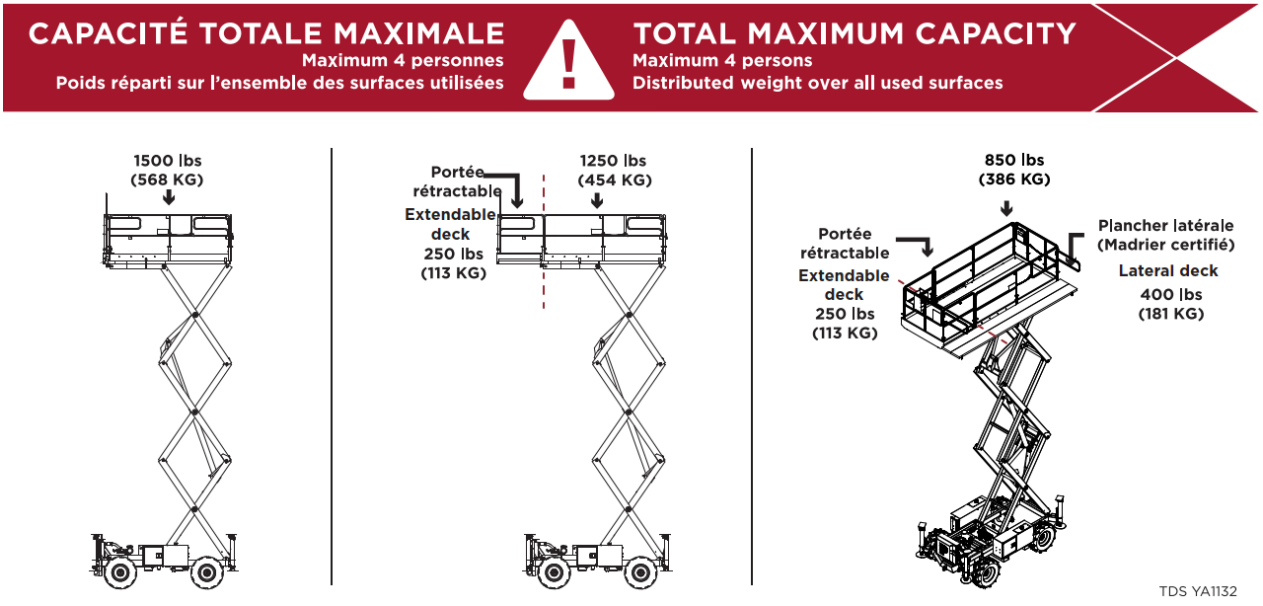
2.4.8 Precaution related to other motorized vehicles

Working zone of the platform must be bordered with flags, security cords, flashing lights or fences when other motorized vehicles are working nearby.

2.4.9 Load distribution

The elevated work platform (including lateral and extendable floor) must not be used to support loads spreading beyond the external edges of the platform. Same goes for loads with a center of gravity higher than the superior traverse of the guardrails.

Load must be evenly distributed on the deck.



2.4.10 Rated load

For load capacity, see section 5.11; *Loading of the platform*.

2.4.11 Refueling

This platform is powered by a diesel engine. Refueling operations must be performed in a well-ventilated area, exempt of open flames, sparks or any other fire or explosion hazard.

2.4.12 Battery charging

The battery must be recharged in a well-ventilated area, exempt of open flames, sparks or any other fire or explosion hazard.

2.4.13 Incorrect stabilization of platform

The motorized elevated work platform shall not be supported by any other object or equipment to maintain stability.

2.4.14 Abusive use as a crane

The motorized elevated work platform shall not be used as a crane. No chain or hook shall be attached to the guardrails to raise loads.

2.4.15 Atypical conditions

The motorized elevated work platform must not be operated or raised on trucks, trailers, railroad vehicles, floating vessels, scaffolds or similar equipment unless written approval is provided by Plafolift International

2.4.16 Travel speed

Travel speed in lowered position is 2.5 km/h (1.5 mph) and is limited to 0.9 km/h (0.56 mph) when platform is deployed.

2.4.17 Requirement related to displacement in raised position

Before and while moving the unit in raised position, operator must:

- Keep a visual contact with the ground and intended path
- Make sure ground personnel in the intended working area is aware of the motorized platform to prevent injury
- Keep secure distance from any obstacle, debris, descending slope, pothole, ramp or other dangers to ensure a safe displacement
- Make sure load on platform is below or equivalent to capacity
- Equipment must not be used in strong winds or gusts

Not following these safety rules could result in tipping the platform and cause serious injury or death

2.4.18 Security device modifications

Locking or security devices must never be altered or de-activated

Failure to following this safety rule could result in serious injury or death

2.4.19 Deck of unit stuck

If the deck of the equipment is stuck in elevated position, first of all, check if the security prop is not blocking the scissor. If the descent function is activated while the platform is supported by the safety prop or while an obstacle is in the lowering path of the scissor, important structural damage can occur. The operator is also put at risk.

If the platform cannot be lowered, use a separate elevating equipment to evacuate personnel.

2.4.20 Material Transportation

Tools and material must be secured on the deck. Their weight should be evenly distributed without ever exceeding the permitted load.

2.4.21 Appropriate surfaces

This elevated work platform was conceived to drive on rough terrain in all seasons but must be raised on a compact surface only.

2.4.22 Unfitting use

Never try to use the machine as a crane. Do not tie machine to adjacent structures. Never attach rope, cable, or similar items to the platform.

2.4.23 Other hazardous situations

- Overloading the equipment
- Use without guardrails or outside of guardrail perimeter
- Use of equipment with signs of malfunction or oil loss
- Walking or sitting on guardrail
- Using a ladder, scaffold, etc. on the platform to enhance work height
- Use with deteriorated tires
- Modifying safety devices or limit switches
- Leaving machine unattended with power on
- Operating the diesel engine in an unventilated area
- Refilling fuel while engine is running

2.4.24 Safe work practices

Safe operation is very important. To ensure safe work practices, operator **must (mandatory)**

- Be aware of equipment maximum load capacity
- Inspect equipment before each use, as specified by the manufacturer
- Check for any obstacle, debris or hazard in the vicinity of the working area that could result in tipping of the unit
- Examine intended path before moving the unit (forward, backward, raising, lowering)
- Maintain the safe-distance approach in relation to electrical wiring (see the Electrical hazard warning, section 2.4.6)
- Keep safe distance from ground personnel
- Never modify or remove parts or components from the equipment unless approved by the manufacturer
- If the equipment needs to be left unattended; lower the platform, stop the engine, remove the ignition key and press the emergency stop button.
- Always climb up or get down from the equipment by using the ladder
- Never try to get in or out while in movement
- Make sure the doors are closed before operating the machine
- Enter and exit the unit only in the lowered position
- Move the equipment from one work site to another in the lowest possible position (If the platform needs to be raised for displacement, very carefully move the unit at the lowest speed possible)

2.5 Hydraulic system

Pressure in the hydraulic system must be released before disconnecting a fitting or removing a filter. Pressurised hydraulic fluid can penetrate the skin. In case of injury caused by hydraulic fluid, consult a doctor as soon as possible. Severe infections can occur if medical assistance is not sought.

Cleanliness of the hydraulic system is very important to ensure correct operation of the equipment. If a hose or a fitting is disconnected from a component, ensure that plugs are used to avoid contamination (dirt, water, etc.) of the hydraulic system. New hydraulic fluid must be filtered before being poured in the reservoir.

Inspect hydraulic hoses and clamps to prevent premature wear do to friction, contact with sharp edges or with other parts or components.

If the hydraulic pump cavitates while in operation, serious damage can occur. The pump is gravity-fed. The level of fluid in the reservoir must always be above the minimum level.

2.6 Maintenance

All these safety rules must be followed. Failure to comply can result in mechanical failure, injury to personnel, or death.

- Before engaging in maintenance operations, the designated technician must read and understand all warnings, operating procedures and operator responsibilities listed in the operator manual
- Wear appropriate protection equipment when performing maintenance tasks.
- Shut down the engine and lockout the electrical system before performing any maintenance work
- If power is needed on the engine or the electrical system to perform a specific maintenance task, put all commands to neutral and ensure no one can activate them accidentally
- Hydraulic safety valve adjustments must never be modified.
- All replacement parts must be original. Any substitution could result in a warranty void by Plafolift International
- Avoid placing body parts in the way of equipment movement
- Never smoke during refueling operations
- Remove all jewelry (watch, rings, etc.) when performing maintenance
- Tie long hair, and wear fit clothing. Loose hair or clothing could get caught in moving parts and result in injuries
- Keep guardrails and deck clean and free of grease or other debris
- Never work under the equipment if not properly supported by the security prop
- Be careful when inspecting the cooling system if hot and pressurized
- Battery must always be disconnected before replacing electrical components

Do not place hands or arms it the way of scissor movement if the platform is not properly supported by the safety prop; serious injury could occur.

2.7 Responsibilities

Plafolift International is not responsible for any work or alteration performed on this equipment without written authorization.

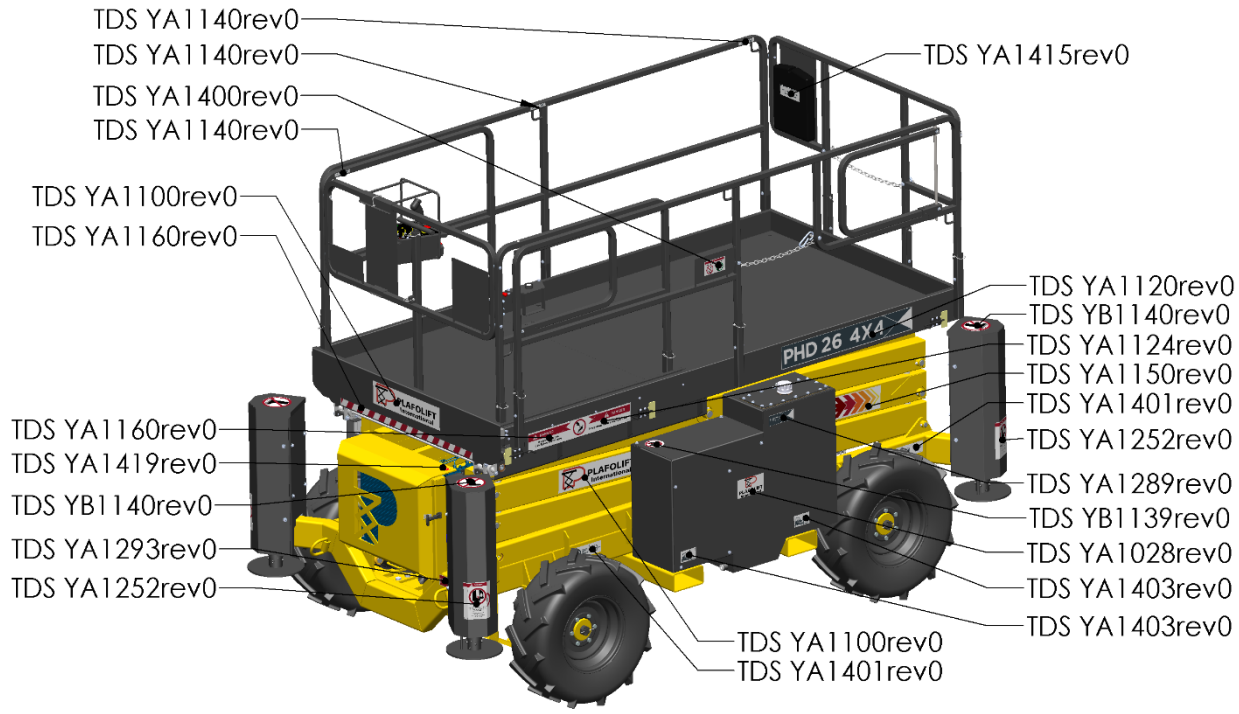
Plafolift International is not responsible for inadequate or abusive use of this equipment. Overloading and lack of maintenance are examples of abusive or inadequate use.

Plafolift International is not responsible for injury caused to personnel or material damage related to maintenance work, functional tests, structural tests or stability tests.

2.8 Safety placards

Every unit is delivered with safety signs. If a placard is missing or illegible, it must be replaced as soon as possible.

See the following pages for placard description and location.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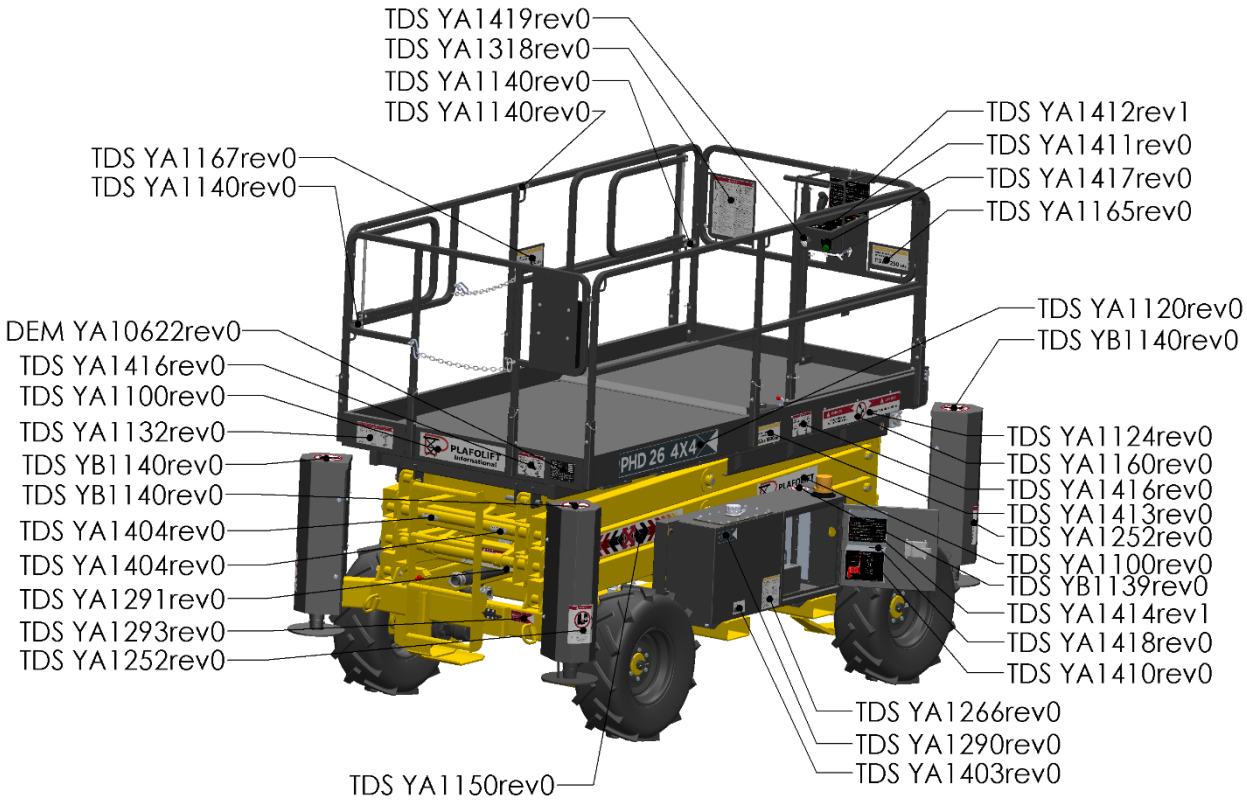
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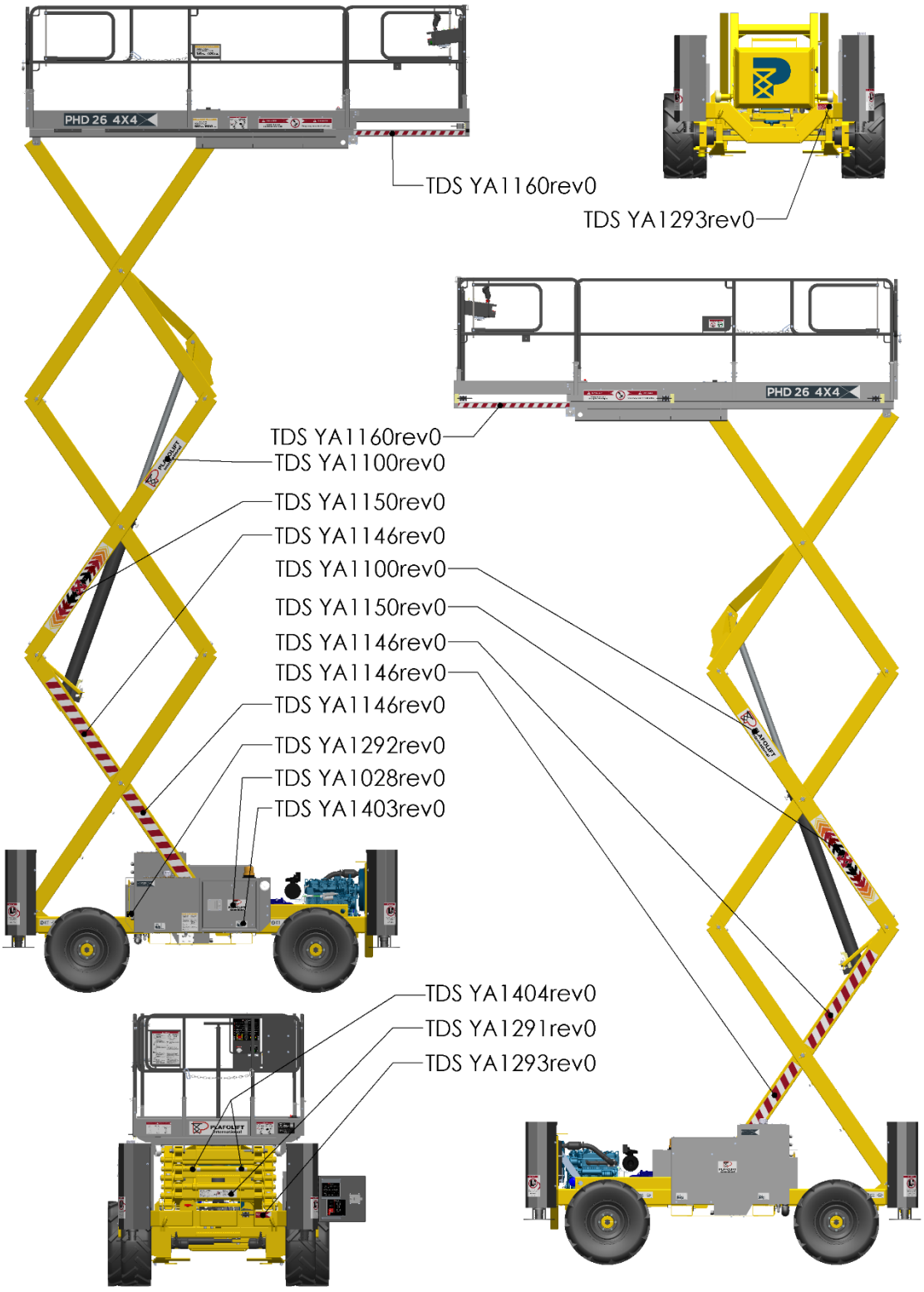
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TDS YA1403rev0
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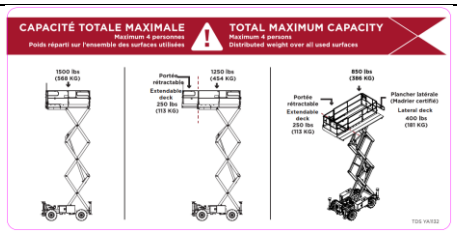
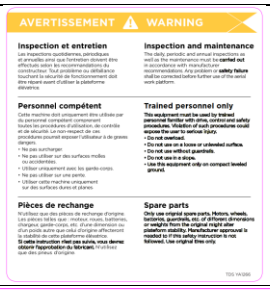
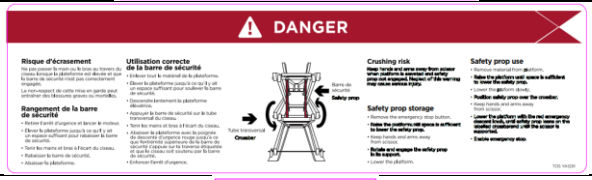
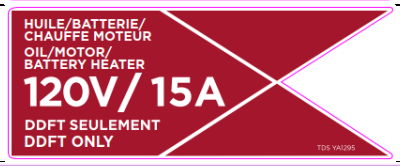
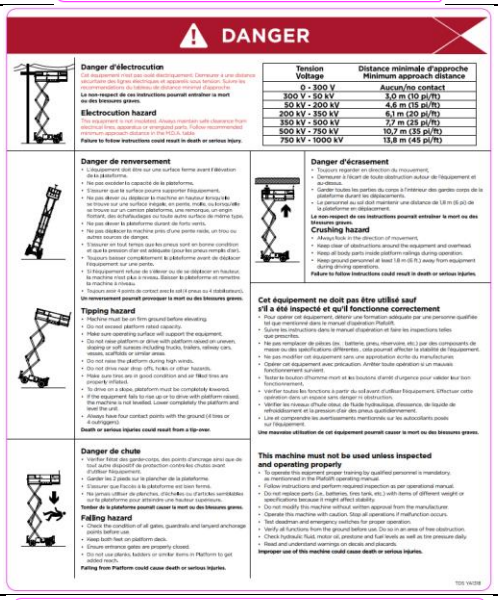
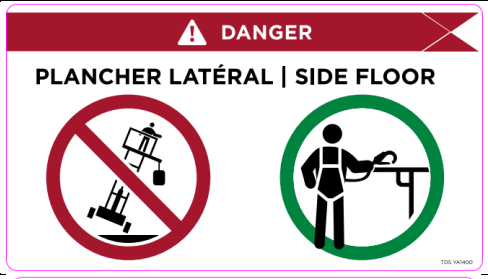
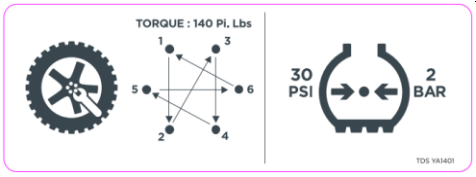
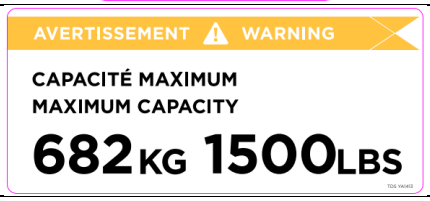
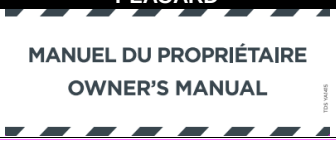
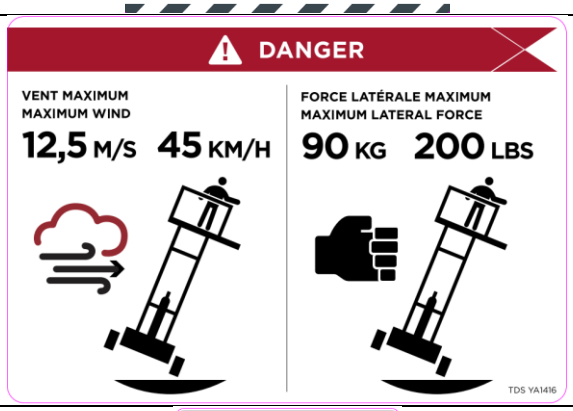
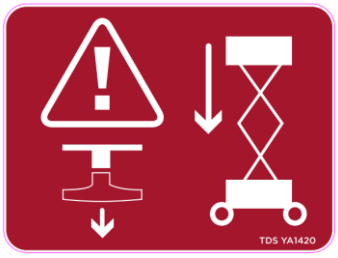
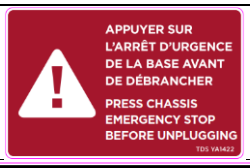
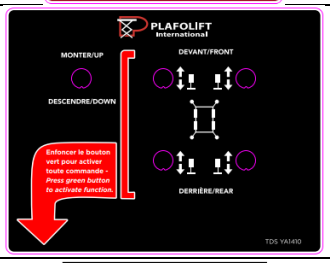
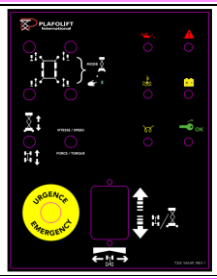
TDS YA1291rev0
TDS YA1293rev0

No#	PLACARD	DESCRIPTION	LOCATION	SIZE	QTY
DEM_YA10622		Aluminum identification plate	Rear right section of the floor	6” x 4”	1
TDS YA1028		Plafolift logo	Front panel of diesel compartment	7” x 4”	1
TDS YA1100		Plafolift logo	Front and rear of floor, each side of second scissor, on hydraulic tank	21” x 5”	5
TDS YA1120		Product identification	Left and right of floor	35” x 5”	2
TDS YA1124		Electrocution hazard	Left and right of floor sides	27” x 4”	2
TDS YA1132		Maximum capacity	Outboard of extension floor	9” x 5”	1
TDS YA1140		Safety harness anchorage point	Near every anchorage point on the guardrails	4” x 1”	6
TDS YA1146		Warning strip	First section of inside scissors	42” x 4”	4
TDS YA1150		Scissor movement	Each side on outboard second scissor	38” x 5”	2
TDS YA1160		Warning strip	Three sides on retractable floor deck	42” x 2”	3

No#	PLACARD	DESCRIPTION	LOCATION	SIZE	QTY
TDS YA1165		Extension floor maximum capacity warning	Extension floor guardrail	9” x 4”	1
TDS YA1167		Lateral bar extension maximum capacity warning	Left side of guardrail before entering the lateral floor	9” x 4”	1
TDS YA1252		Crushing hazard	Front side of all stabilisers	6” x 8”	4
TDS YA1266		General warning on inspection, parts replacement and safe use	Diesel compartment side	6” x 7”	1
TDS YA1289		Recommended hydraulic fluid	Upper left corner of hydraulic tank	7” x 2”	1
TDS YA1290		Fuel tank identification	Upper left corner of fuel tank	7” x 2”	1
TDS YA1291		Safety prop procedure	On cross tube of safety prop	12” x 4”	1
TDS YA1292		Diesel tank minimum level	Side of fuel tank, near level sight	4” x 4”	1

No#	PLACARD	DESCRIPTION	LOCATION	SIZE	QTY
TDS YA1294		ID and electrical information on floor electrical outlet	Rear bumper, near extension plug	6" x 2"	1
TDS YA1295		ID and electrical information on equipment heater	Front bumper near block heater plug	6" x 2"	1
TDS YA1318		Electrocution, tipping, falling, crushing and general malfunction warnings	Front guardrail	10" x 12"	1
TDS YA1400		Lateral floor stability warning	Left side guardrail	6" x 3"	1
TDS YA1401		Wheel torque and tire pressure specs	At every wheel	3" x 7"	4
TDS YA1403		Forlift pocket placement	On both sides of chassis next to forklift pockets	3" x 4"	4
TDS YA 1413		Total maximum capacity warning	Right side on floor deck	9" x 4"	1

No#	PLACARD	DESCRIPTION	LOCATION	SIZE	QTY
TDS YA1415		Owner manual location	Document holder	6" x 3"	1
TDS YA1416		Maximum lateral force and wind speed warning	Both entrances of platform	7" x 5"	2
TDS YA1417		Horn / authorization button location	Joystick control box	3" x 3"	1
TDS YA1418		Glow plugs / start option	Joystick control box	4" x 1"	1
TDS YA1419		Engine oil check warning	Joystick control box and top of engine cover	3" x 1" and 5" x 2"	2
TDS YB1139		Crushing hazard	Top of fuel and hydraulic fluid tank	5" x 4"	2
TDS YB1140		Stabiliser cover step interdiction	Top of each stabiliser cover	6" x 6"	4

No#	PLACARD	DESCRIPTION	LOCATION	SIZE	QTY
TDS YA1404		Safety prop support placement	Cross tube of scissor aligned with prop	4" x 4"	2
TDS YA1420		Emergency lowering handle location	Back of chassis	3" x 4"	1
TDS YA1552		Cold start pre-heat mandatory period	Top of joystick box	2" x 8"	1
TDS YA1422		Joystick unplugging warning	Joystick plug	1" x 3"	1
TDS YA1410		Chassis controls identification	Chassis control panel	6" x 8"	1
TDS YA1411		Joystick controls identification	Joystick control panel	8" x 11"	1
TDS YA1412 & TDS YA1414		Alarm description list	Joystick and chassis control panel	7" x 10" and 8" x 8"	2

3 RESPONSIBILITIES

3.1 General

User and operator have to read and understand all safety procedures before operating this equipment.

3.2 Operator training

3.2.1 Training requirements

Only personnel trained on inspection, operation and driving can operate this equipment. Training must include the following topics:

- Operator responsibilities
- Location and proper storage of operator manual
- Identification of potential hazards
- Daily pre start-up inspection;
- Work area inspections;
- Declaration and registration of defects or problems related to the use of the equipment;
- Stability reducing factors;
- Safety placard purposes;
- Safety rules related to the operation of the elevated platform;
- Practice time supervised by a qualified trainer.

3.2.2 Control and safe driving practices

The trainee must drive the elevated platform to demonstrate his ability to control the equipment.

3.2.3 Proof of training

After successful training, the trainee should receive a certificate including the following information:

- Name of trainee
- Name of company who gave initial or recurrent training
- Name of trainer
- Clear confirmation that training was related to this particular type of equipment
- Date of certificate issue

Operator must carry qualification proof at all times when operating work platform

3.2.4 Recurrent training

Operators must have recurrent training at pre-determined intervals. Training must be delivered by a competent authority.

3.2.5 Training Supervision

Training must be done under the supervision of a qualified operator in a safe and open area free of obstructions and obstacles. Training ends when the trainee has proven he is able to safely control the equipment in a regular work environment

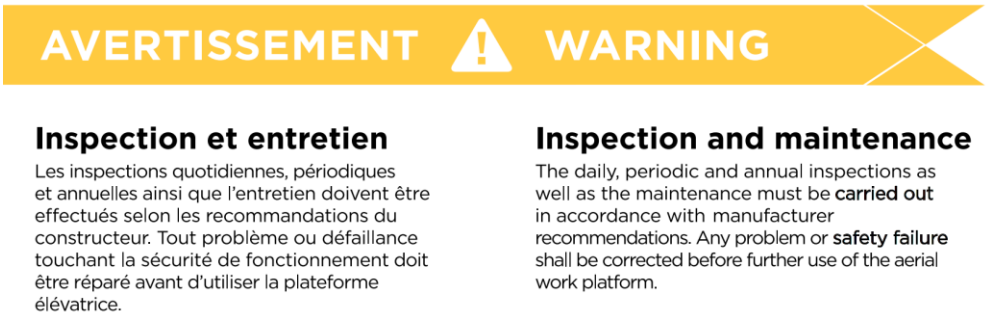
3.3 Operating conditions

- Forward or backward, with maximum load, in retracted position, the equipment can go to a maximum speed of 4.3 km/h (2.5 mph)
- To move forward or backward, all the stabilizers must be in retracted position
- When the platform is raised, moving speed is reduced to 0.9 km/h (0.56 mph)
- When the elevated platform is deployed on a slope of 2.5° or more, the only function available is lowering.

4 INSPECTION

4.1 General

This equipment must be inspected, tested and maintained in accordance with recommendations stated in this manual. See the *Inspection* section.



Any problem or defect related to safety or function must be repaired before putting the equipment in service

4.2 Inspection classifications

Inspections are classified in 4 different categories (see list below) :

- Pre-start inspection
- Periodic inspection
- Annual inspection
- Structural inspection

To avoid injury, do not operate this equipment unless all problems are corrected

4.2.1 Pre-start Inspection

To avoid injury, make sure the equipment engine is shut down before performing inspection

Before a start-up, the operator must perform a visual inspection to insure the equipment is safe. Routine check-up must include:

- General visual inspection
- Structural visual inspection
- Placards and operator manual check
- Fluid leakage and level checks
- Function validation
- Safety device inspection

See the *Pre-start Inspection* to guide you with day-to-day inspection points.

4.2.2 Periodic inspection

Check the general state of the platform as per the *Periodic inspection report* (200 hours or 3 months).

Fill-in the verification report detailing all repairs performed on the unit.

This inspection must be performed after 200 hours or 3 months of operation. This inspection must be performed by qualified personnel.

4.2.3 Annual inspection

See the *Annual inspection report* (700 hours or 12 months) for a listing of all elements that must be verified annually.

Fill-in the verification report detailing all repairs performed on the unit.

This inspection must be performed after 700 hours of use or once a year, whichever comes first. The inspection must comply with articles 5.3.2, 5.3.3 and 5.3.4 of inspection standard B354.2-04. The annual inspection of the elevated platform must be performed by qualified personnel.

4.2.4 Structural inspection

A structural inspection must be performed to ensure that structural integrity of all critical components and stability of platform were not diminished and are still up to the standards in effect at the moment of manufacturing.

4.2.4.1 Rate

The structural inspection must be performed

- 10 years after the manufacturing date and every 5 years afterward
- If structural integrity or stability has been potentially jeopardized in an incident. For example; an electrical shock, a tip-over, a free fall protection incident, an overload, a collision or an impact.
- After ownership transfer, unless all documentation related to maintenance is available to the new owner, including all maintenance and inspection reports.

4.2.4.2 Competent authority

The structural inspection must be performed under the supervision of an engineer. The elevated platform must be certified to the structure and stability requirements of the CSA B354.02-01 standard.

4.2.4.3 Analysis

To rigorously analyse, the designated authority must

- Review all inspection and maintenance records, taking into consideration hours of use, rigorousness of use and diversity of users
- Check the efficiency of all function commands
- Perform a visual inspection of the elevated platform
- Study the recommendations of the manufacturer

4.2.4.4 Inspection

After analysis, inspection should include

- A visual inspection of welding
- A non-destructive test (NDT) of critical components
- A stability test, in case of modification or suspected damage

4.2.4.4.1 Welding

A visual welding inspection must be performed and recorded by qualified personnel as per CSA W178.2 standard.

4.2.4.4.2 Non-destructive testing (NDT)

Any critical component, suspected damage or known noncompliance must be subjected to a non-destructive test performed by qualified personnel as per CAN/CGSB-48.9712 standard.

4.2.4.4.3 Stability test

In case of modification or suspected damage, a stability test must be performed under the authority of a licenced engineer as per CSA standard B354.02-01.

4.3 Inspection reports

The owner must keep records of all information related to regular and annual inspections, maintenance, repair and part replacement. A list of all reports is available in annex of this manual.

See the *Daily, Periodic and Annual inspection* sections for readymade inspection reports to be copied, filled and kept.

5 OPERATION

5.1 Description

The purpose of this motorized elevated work platform is to position personnel and their tools to work required heights.

The base control panel is located inside the electrical compartment. The joystick is placed on the deck's guardrail. From the base control panel, the operator can command the four outriggers as well as the raising and lowering functions. The base control panel overrides the joystick.

All operators must understand the warnings written in this document and on the safety placards of the unit. Furthermore, the operator must conform to rules and regulations in effect in the locality the work is taking place.

The motorized elevated work platform is not designed for lifting loads other that the operators/users, there tools and the equipment or material required for the tasks to be performed. This equipment must not be used with gear exceeding the limits of the deck. It must not be used as a forklift, to support a building structure, to push or pull other vehicles.

The work platform has two emergency descent systems: in the control panel of the electrical compartment and on the hydraulic block of the raising cylinder. The later one is activated by a pull cable with a handle located on the back of the chassis.

The platform is equipped with four wheel drive, activated by four hydraulic motors. Each wheel has a planetary gearbox with a hydraulically piloted spring brake. The brakes are automatically engaged when no function is requested. They are released only when a forward/reverse command is given.

The elevated work platform can be raised only when the equipment is on a solid, level and even surface. The stabilizers can be used to level the equipment before raising the platform.

5.1.1 Engine start-up

Plug the hydraulic/engine/battery heater at least 1 hours before a -15°C and below cold start

1. Before starting the engine, locate the emergency stop switch; an emergency shutdown might be necessary at any time.

2. Make sure the emergency stop switch is not pressed.

3. **Cold start-up:** If the engine is cold, pull on the dipstick to insure no trapped in pressure can damage the motor. Turn the ignition key counter clockwise to activate the glow plugs. When the glow plug light turns off, the engine is ready to be started. Let the engine warm-up for at least ten minutes if temperature is below 0° C.

4. **Warm diesel engine**: Turn the ignition key clockwise to the «Contact» position. Wait 2 seconds, for the green authorization light to turn on. Turn the ignition key clockwise to start the engine.

Notes related to engine start-up:

1. If the engine does not start, let the starter and the engine stop completely before attempting another cycle. Do not engage the starter for more than 10 seconds. If the engine does not start, let the starter cool down for 2 minutes before the next sequence.

2. The engine must reach its optimal operating RPM before starting work. In cold weather, let the engine warm up for 10 minutes before activating functions to avoid damage to components like seals and gaskets. This warm up time will also heat the hydraulic fluid, insuring it flows freely in the system and, therefore, preventing premature wear on hydraulic components.

Warranty does not cover this type of damage.

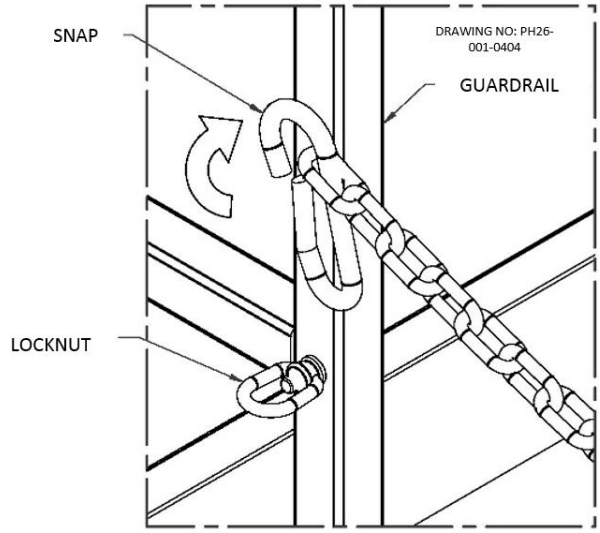
3. Use of the engine and battery heaters is strongly suggested to improve cold weather start-ups; especially below -15°C. The power plug is located on the right front portion of the unit near the diesel engine.

5.1.2 Safety notification

AVERTISSEMENT ⚠ WARNING

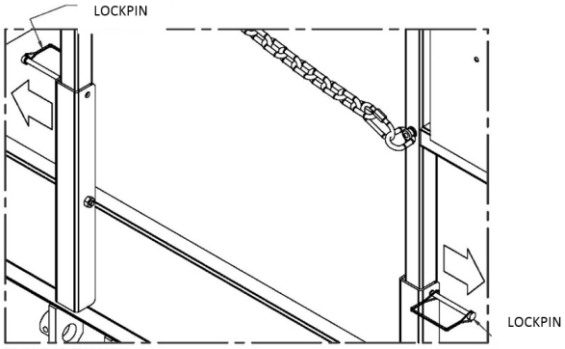
To ensure safety, limit switches must never be bypassed.

5.2 Access door

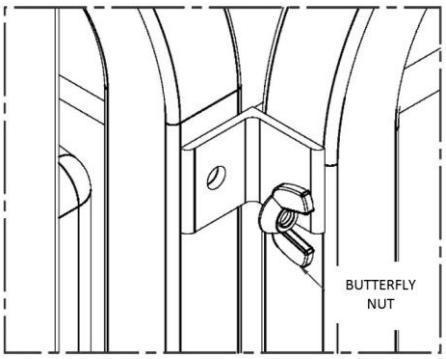


1. Disengage the chain hook from the guardrail eye nut to enter or exit the platform

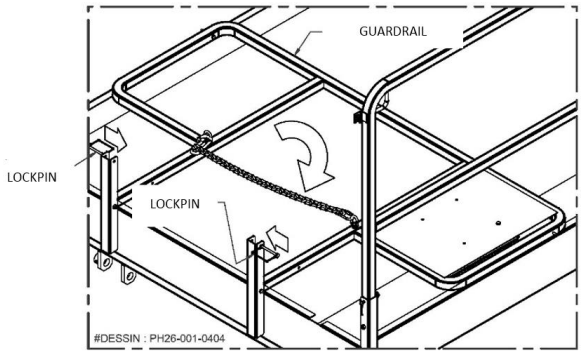
5.3 Folding guardrails



Step 1
Remove the pin on each side of the guardrail.



Step 2
Remove the butterfly nut on each side, if necessary.

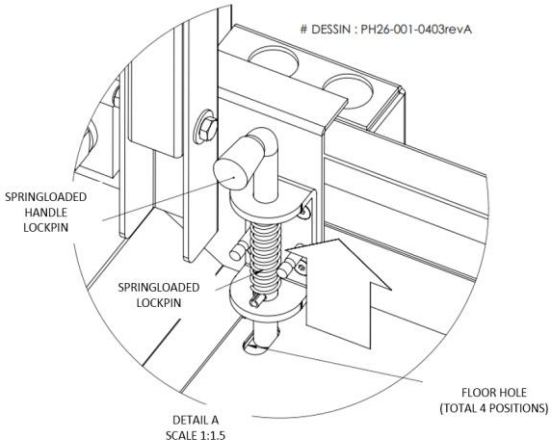


Step 3
Fold the guardrail toward the floor and replace the nuts and the pins.

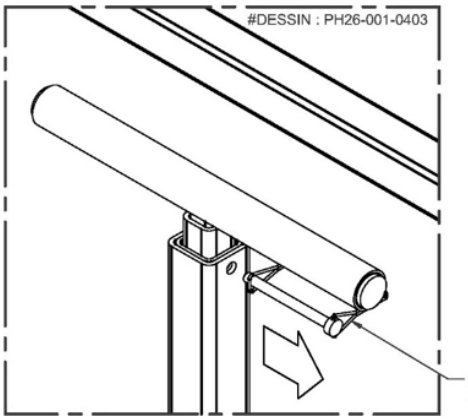
To put the guardrail in its original position, repeat steps 1 to 3 backwards.

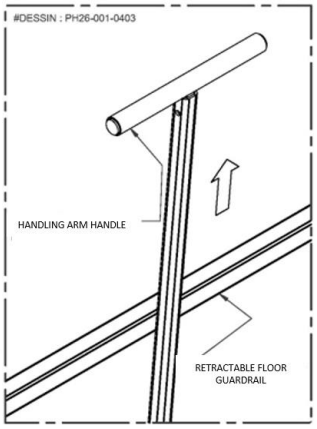
5.4 Using the extendable deck (retractable portion)

The following steps describe how to retract the extendable deck. To extend the deck, follow the steps backwards.



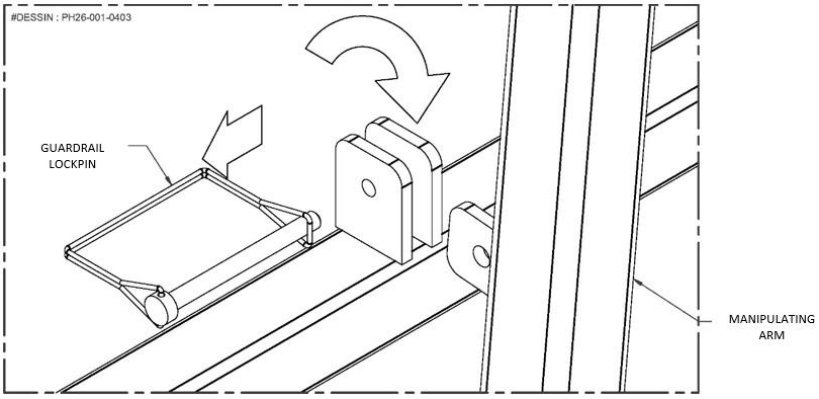
Step 1
The spring loaded latches prevents the extendable deck from moving horizontally. Before moving the deck, pull on the latches until free from the locking holes in the floorboard (see image on the left).



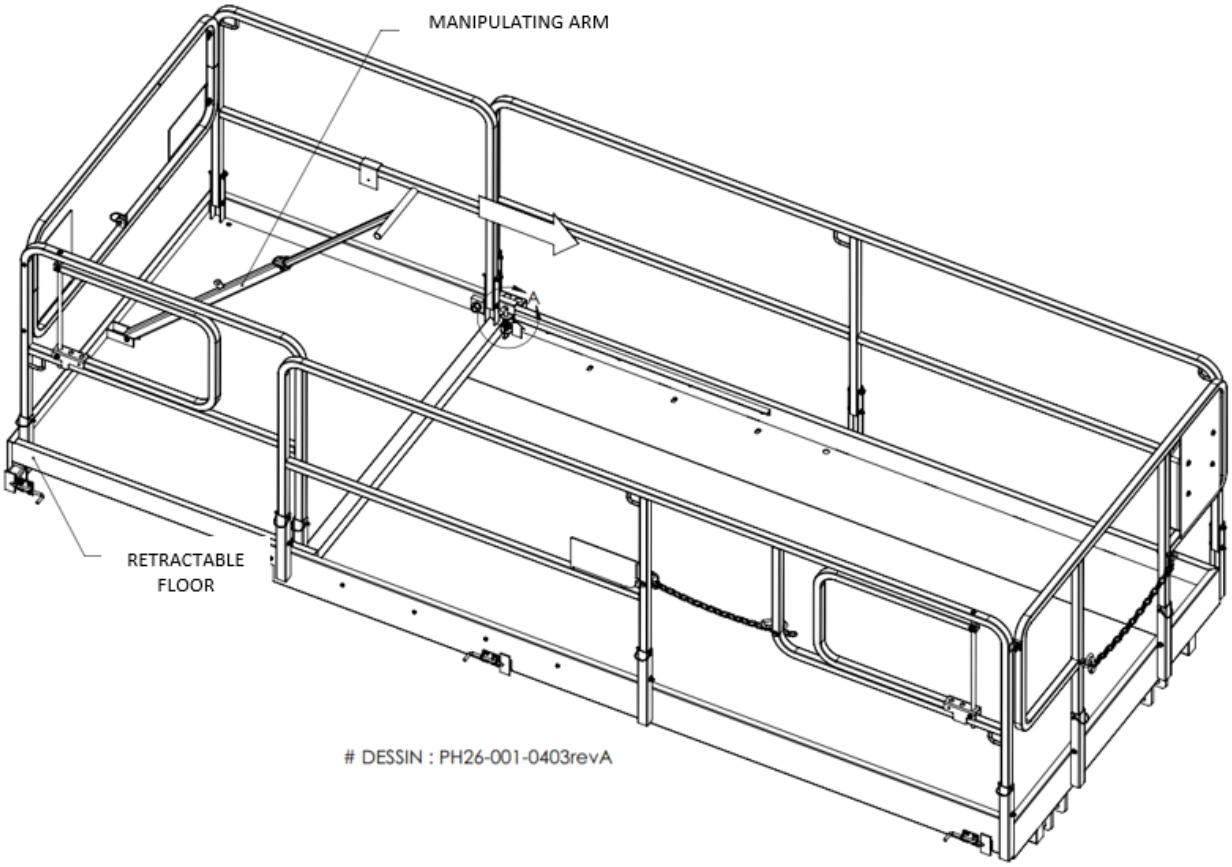


Step 3
Pull up with the manipulating arm as shown on the above image. Put the pin at the other end of the arm to avoid the handle from slide furthermore.

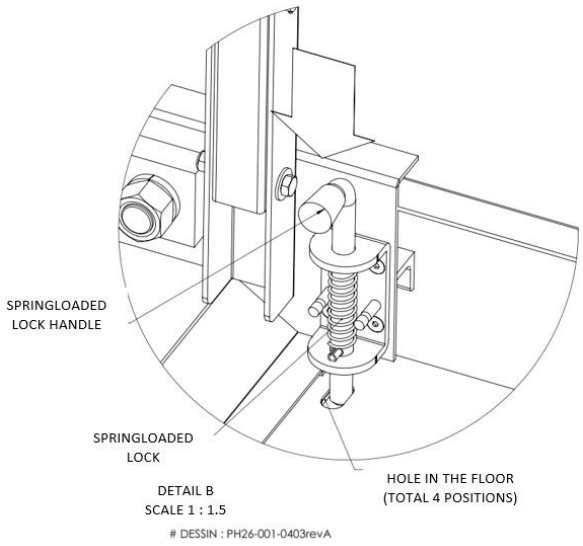
Step 2
Remove the pin from the manipulating arm.



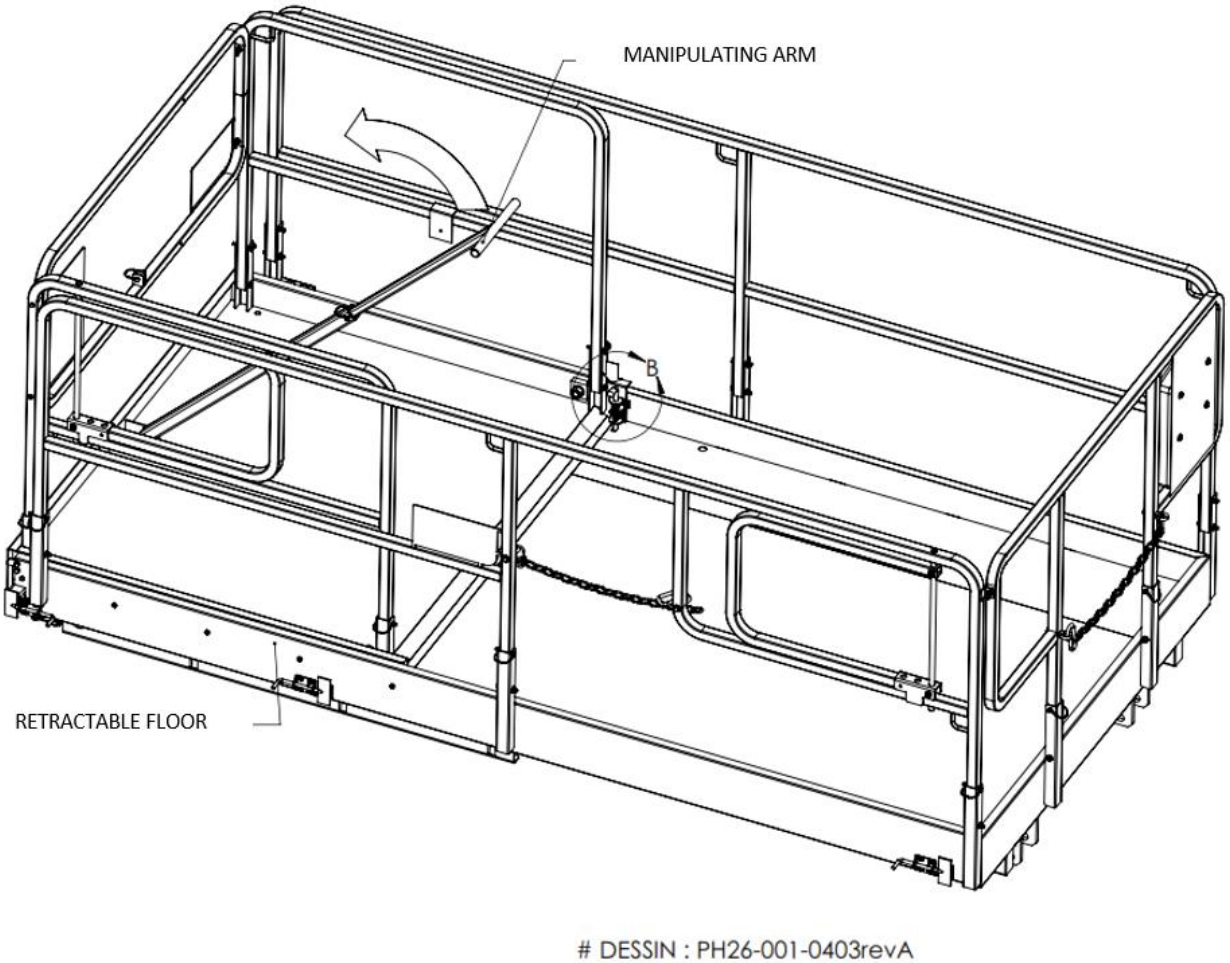
Step 4
Remove the pin of the guardrail to pivot the manipulating arm



Step 5
Pull on the manipulating arm to extend the floor as shown on the image above



Step 6
Make sure the spring-loaded latch is in place in the lock hole of the floor (see image on the left)



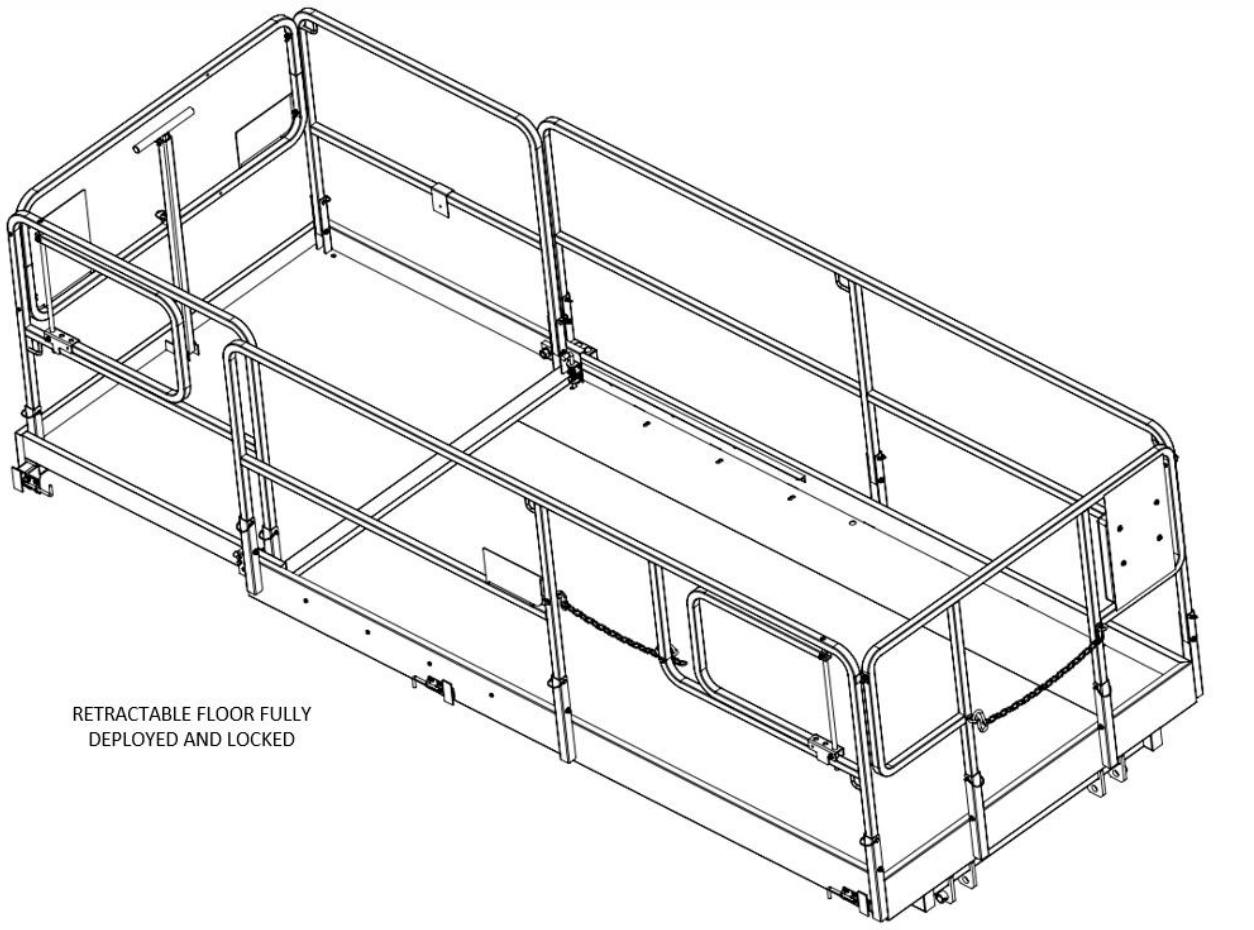
Step 7
Pivot the manipulating arm toward the guardrails, lower the manipulating arm handle and replace the two pin.

5.5 Lateral extension guardrails

Fall protection equipment:

The elevated platform guardrails provide fall protection. Safety laws and standards in your locality might require additional fall protection.

Operators have to wear a certified harness when using the lateral extension. The extension must be constituted of unmodified, NLGA certified scaffolding lumber no more than 14 ft (4.25 meters) long.
Plank size proposed: 2 planks of 2 in x 12 in, 2 planks of 2 in x 10 in or 3 planks of 2 in x 8 in.



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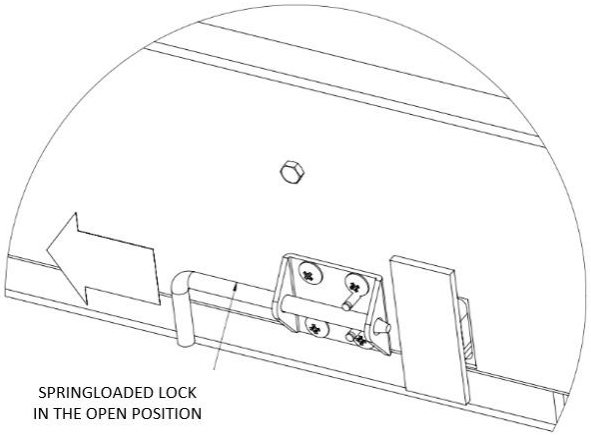
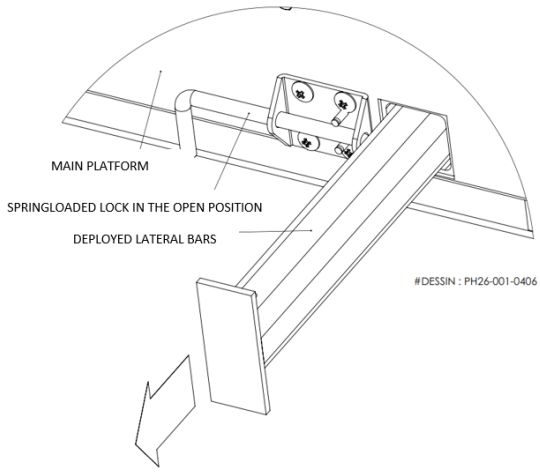
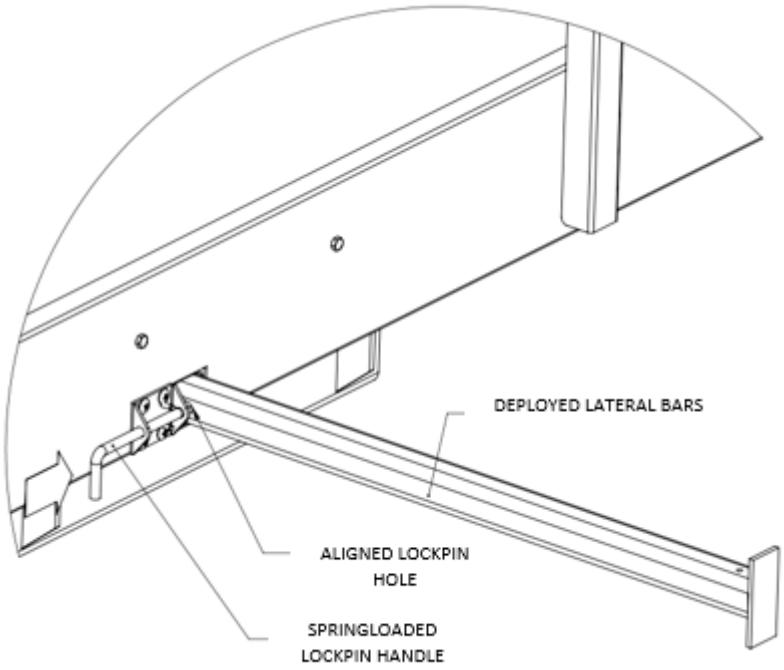


Step 1
Pull the spring-loaded latch to free the lateral bar.



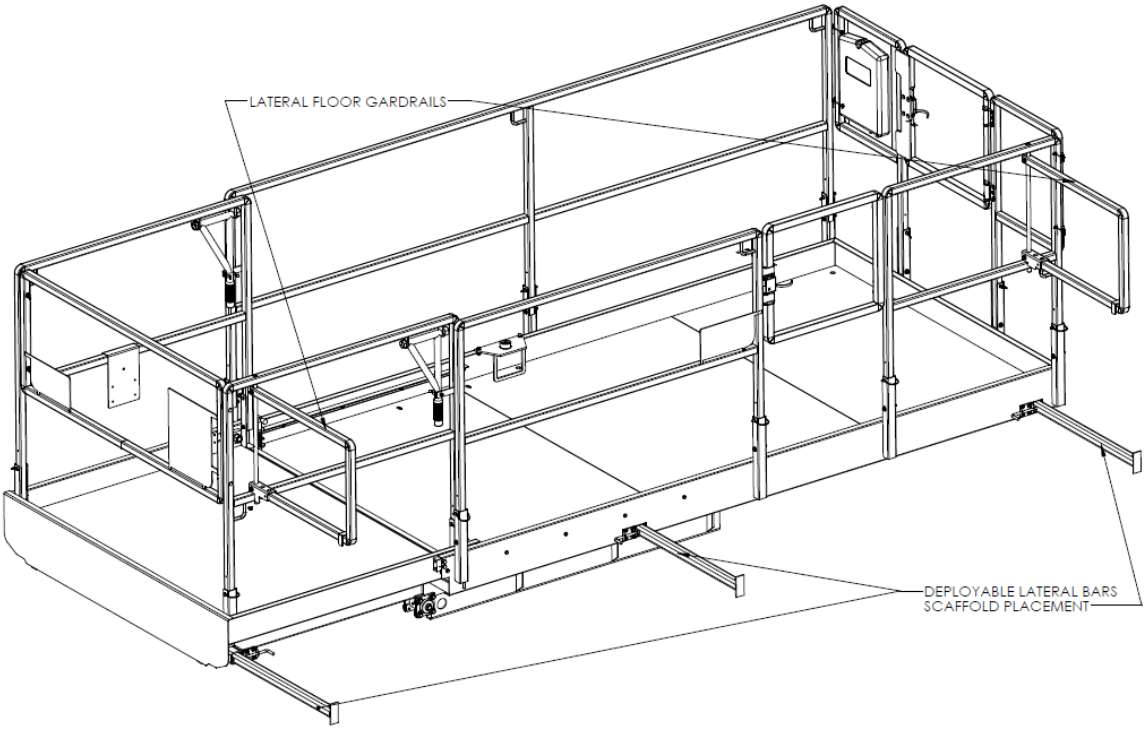
Step 2
Slide the lateral bar until the hole is aligned with the latch pin.

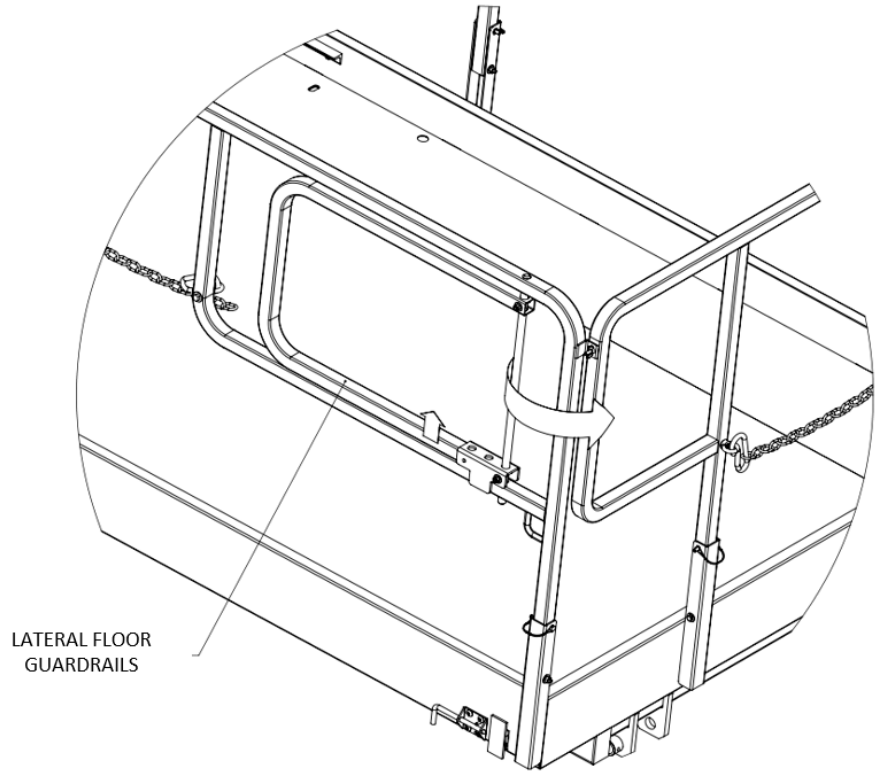


Step 3
When hole is aligned, lock in place.

Repeat steps 2 to 4 for the other lateral bars.

Step 4
Unfold the lateral guardrails on each side of the lateral floor. Lift and rotate to a 90° angle.





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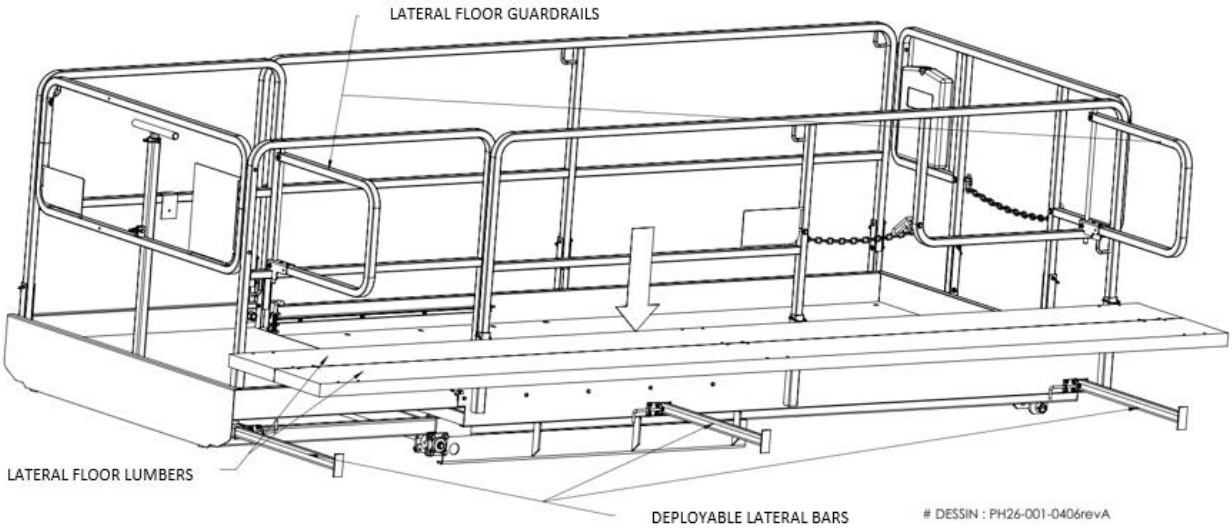
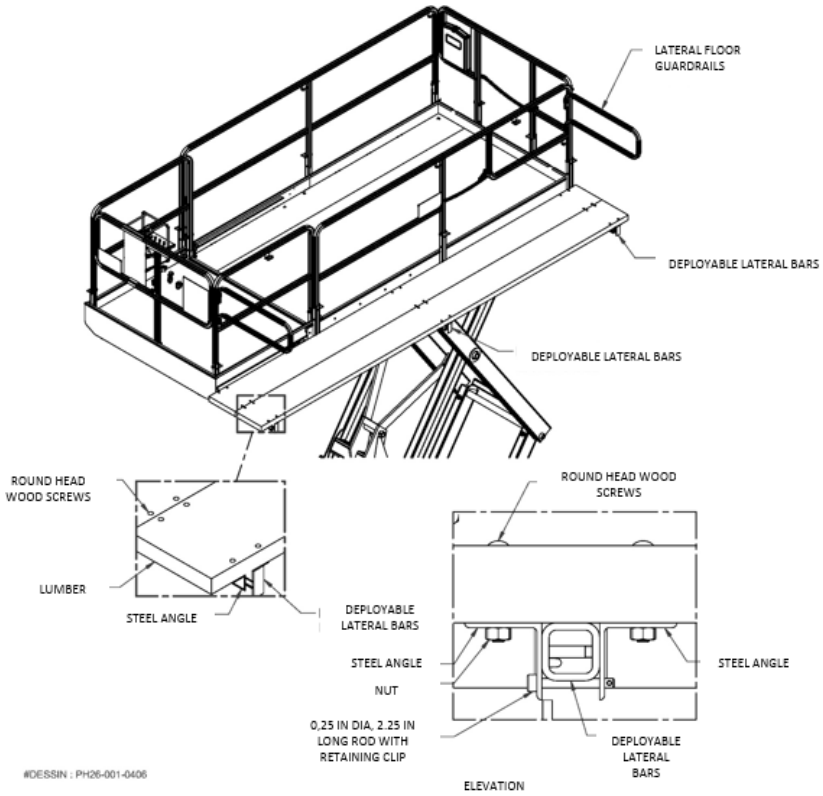
Step 5
Open the access door to install the scaffold on the lateral bars.



Step 6
Configuration must be similar to the above drawing. Use the angle supports provided with the unit on each side of the lateral bars. Use retaining pins to keep the scaffolding beams secured.

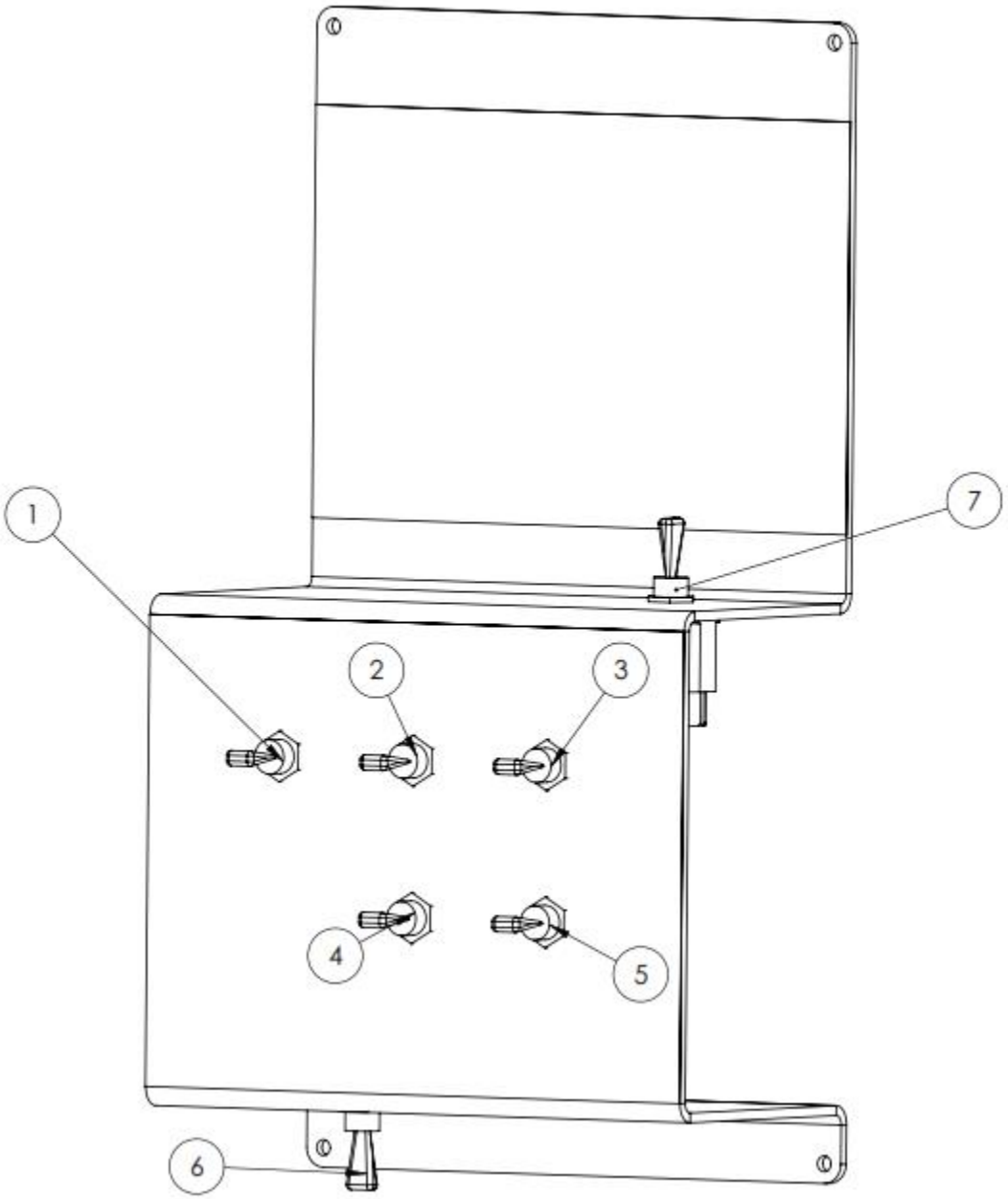


5.6 Control panel

The elevated platform has 2 control panels

- One located in the electrical compartment of the chassis
- The second is installed on one of the guardrails and is accessible from the deck

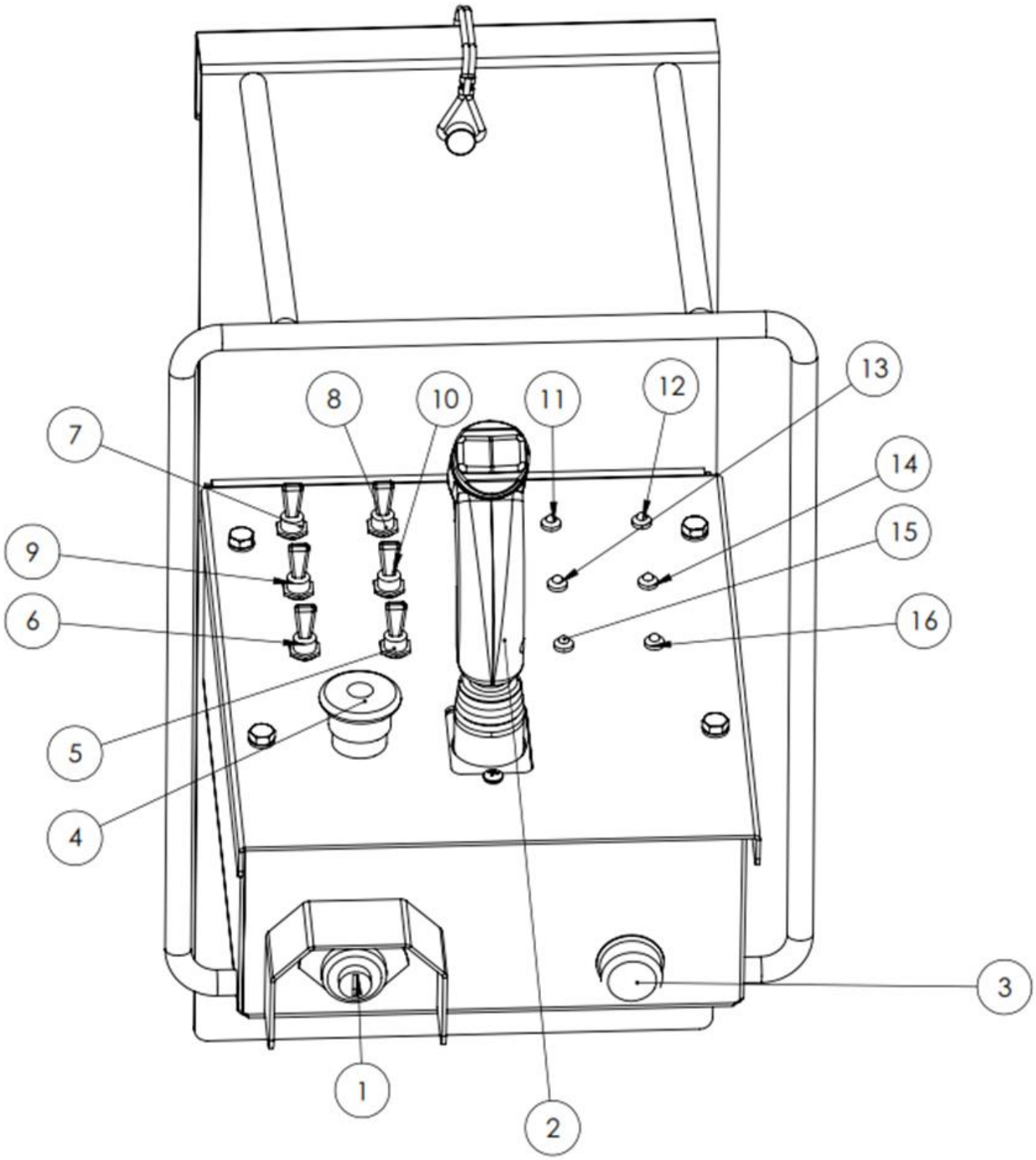
5.6.1 Details of the control panel from the electrical compartment of the chassis



# Item	Item	Function
1	Toggle switch	Activates the raising and lowering functions of the platform. This switch has priority over the same switch on the deck's control panel. To activate, you must engage the deadman switch (#6) at the same time.
2	Toggle switch	Activates the deployment of the front left stabilizer. To activate, you must engage the deadman switch (#6) at the same time.
3	Toggle switch	Activates the deployment of the front right stabilizer. To activate, you must engage the deadman switch (#6) at the same time.
4	Toggle switch	Activates the deployment of the rear left stabilizer. To activate, you must engage the deadman switch (#6) at the same time.
5	Toggle switch	Activates the deployment of the rear right stabilizer. To activate, you must engage the deadman switch (#6) at the same time.
6	Toggle switch	Secures switches 1 to 5. This toggle must be engaged to allow control of the platform from the chassis'; it acts as a deadman switch.
7	Toggle switch	Allows to restart the engine if all following conditions are met: • Start key of the deck's control panel is in the ignition switch • Both emergency push buttons are released • Moving/raising switch is on the raising position on the deck's control panel

For safety reasons, do not activate more than 2 stabilizers at the same time.

5.6.2 Detail of control panel from the deck



# Item	Item	Function
1	Ignition/contact switch	Contact switch for the start key: 3 pole spring loaded on 2 axes. Before start-up, make sure the emergency stop buttons are disengaged on both control panels (chassis and deck). In cold weather, turn the key counter clockwise to the pre-heat position. Let the engine warm up until preheat light turns off. Turn the key clockwise to the ***Contact*** position until the green indicator (#16) lights up then you can turn the key clockwise to engage the starter. Once the engine is started, the contact key will come back automatically to the ***Contact*** position. To turn off the engine, put the key in the ***Off*** position.
2	Proportional joystick	The joystick is used to control unit movements. If the #6 switch is in the lower position, the joystick's function is to drive the unit (forward, reverse, left and right). If the switch is in the upper position the joystick is used to raise or lower the platform deck. This is a proportional joystick; its action is related to the input received. WARNING. For safety reasons this joystick is equipped with a deadman switch. It is important to keep this switch activated when commanding an action. If the switch is released while moving, the equipment will stop automatically. A 2 position switch on top of the joystick is used for steering. The wheels <u>will not return to neutral</u> when the switch is released. /!\ Caution, the deadman switch must be activated to steer.
3	Push button	Allows the activation of stabilizer switches 7 to 10. You must activate this switch for stabilizer deployment. When the machine is in traction mode, the switch activates the horn.
4	Emergency stop	The emergency stop switch must be activated in any emergency situation. It cuts power to the micro-controller. When engaged, unit is completely shut down. Only the manual emergency descent is available at this point. To re-activate the system, the button must be pulled out.
5	Toggle switch	Allows choice of the driving mode: speed or traction.

		Rapid mode allows driving at maximum speed when the platform is in the stowed position. Traction mode gives maximum torque to the wheels and reduces speed for a more precise movement.
6	Toggle switch	Allows choice of the action mode. Upper position: activates proportional raising of the platform Lower position : activates traction and steering
7 to 10	Toggle switch	Allows raising and lowering of the stabilizers. /!\ Caution : the platform must be in the stowed position to activate stabilizers. Push button #3 must be pressed to allow stabilizer movement.
11	Red light indicator	Oil pressure/temperature light. The engine must be shut down and checked if this light comes on.
12	Red light indicator	Alarm light. If activated, gives an alarm code in relation to the number of blinks. Refer to the alarm board on the joystick's panel for alarm meaning.
13	Yellow light indicator	Engine coolant light. This warning light comes on when the engine coolant temperature is too high.
14	Yellow light indicator	Battery voltage light. The light is activated when the battery voltage is too low.
15	Yellow light indicator	Pre-heat light indicator. This light turns on when the preheat system of the diesel engine is in function. When the light goes off, the diesel engine is warm enough to start.
16	Green light indicator	Diesel engine start light authorization. When this light is on, the diesel engine can be started.

AVERTISSEMENT ⚠ WARNING

For security reasons, activate maximum 2 stabilizers at the same time.

5.7 Motorized elevated work platform positioning

5.7.1 Ground conditions

Some terrain conditions must be avoided, or partially corrected, to allow the platform to work safely and properly. Before using the equipment the operator must ensure the site is free of any danger like strong slopes, loose soil, obstacles on the ground or in height.

5.7.2 Location choice

The user must choose a stable and compact terrain to support the weight of the platform. This equipment is designed to be used on a leveled compact surface. All raising functions are disabled if on a slope greater than 2.5°.

5.8 Engine

In cold temperature, preheat the engine by activating the joystick trigger or the green push button. Make sure engine and hydraulic oils are warm before applying any load on the system.

5.9 Raising and lowering of the platform

The elevated platform must be on a compacted and level surface to allow elevation.

5.9.1 Stabilisation

Stabilizers must be used to level the unit when the terrain is in slop. When deployed, the stabilizers must be in contact with compact ground.

Stabilizer deployment can be controlled from the deck or the chassis' control panel.

Use the 4 toggle switches to deploy each stabilizer to the required height to achieve leveling of the unit (see section 5.6.1 for switch locations).

5.9.2 Raising and lowering of the platform

Ensure no one is near the scissor when starting the raising or lowering procedure.

1. Make sure the safety prop is not blocking the scissor before lowering the platform. If in place when lowering the platform, serious structural damage could occur.

2. Make sure the access doors are closed and secure.

3. Raise or lower the platform to the desired height.

4. Once in position, stop the engine if necessary.

5.10 Moving forward and backward

Not following these safety rules could result in a tip-over of the elevated platform and cause injury or death.

Ensure stabilizers *are completely pulled in before moving the equipment. The traction function will be disabled if any a* stabilizer *is not completely retracted.*

Before and while moving the unit, the operator must

- Keep visual contact with the ground and the intended path
- Make sure all personnel working in the vicinity of the platform is aware of equipment operation, to prevent injury
- Keep safe distance from obstacles, debris, slopes, ditches, ramps or any other danger
- Make sure the load on the platform does not exceed maximum capacity
- Never use equipment in strong winds or gusts

- Do not increase the lateral surface of the platform exposed to the wind. The augmentation would result in a reduction in stability of the platform

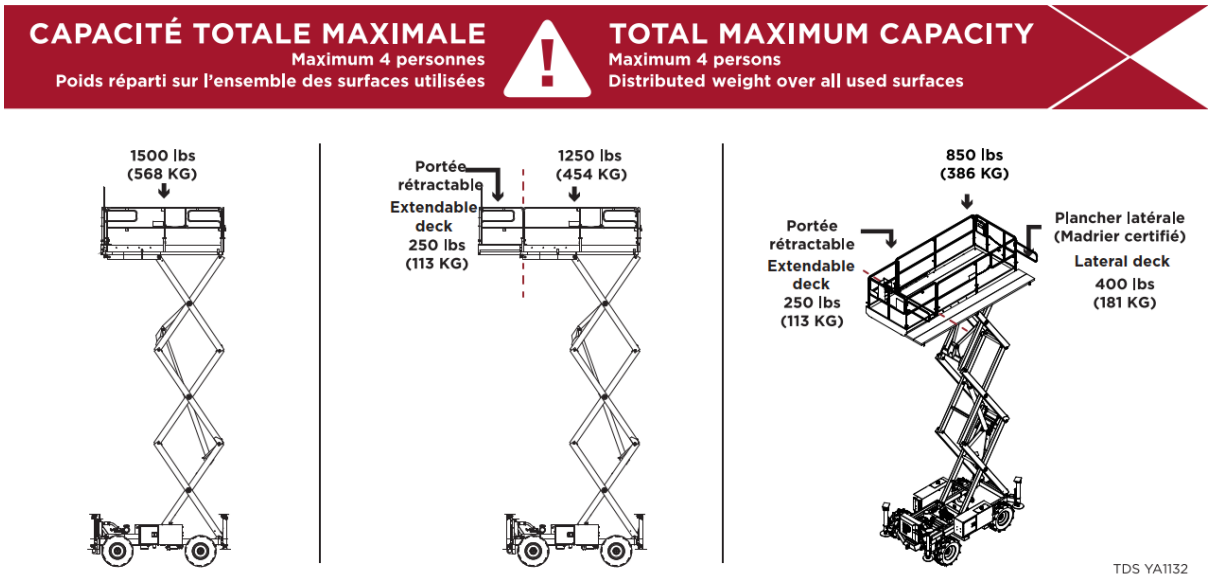
- Select the driving mode : speed or traction (fast or slow)

- Activate the deadman switch and push or pull the joystick (proportional) to move forward or backward. To stop, re-position the joystick to neutral while keeping the deadman switch activated. Release the deadman switch only when the equipment has stopped. If the deadman switch is released, the platform will stop automatically.

- While going forward or backward, tilt the switch on top of the joystick left or right to steer

- When the platform is raised, regardless of the selected speed, the unit will move at the lowest speed

5.11 Loading the platform



Assessment of the load is crucial. The motorized elevated work platform has a maximum capacity of 1500 lbs. (250 lbs. on the extensible floor and 400 lbs. on the lateral floor). An even distribution of the weight will help in stability.

5.12 Transportation of the motorized elevated work platform

To transport the motorized elevated work platform, it should be loaded on a trailer. Avoid pulling with a winch it could cause damage to the planetary gearboxes.

5.13 Safety

a) It is forbidden to install a tarp, shelter, tarpaulin or any other device on the unit when in operation; stability could be jeopardized.

b) When work is being performed close to an electrical line, make sure to respect the minimum approach distance in relation to the voltage of the electrical line. The higher the voltage, the greater the distance between the unit and the electrical line (see Electrical Hazard section 2.4.6)

c) It is forbidden to smoke during refueling

d) Refueling should be done when the engine is cold

e) When using the unit inside, precautions must be taken to vent the exhaust gazes to the exterior

f) In case of an engine or pump malfunction, the emergency descent can be activated with the red handle located on the lower back of the chassis

g) When lowering the platform, make sure nothing or nobody is near the scissor

h) Always lower the platform when not in use and remove the key to avoid any unauthorized use. The control panel on the platform deck can be unplugged and removed for secure storage

i) Never approach electrical lines

j) Distribute the load evenly on the platform.

6 EMERGENCY PROCEDURES

6.1 Emergency descent

If any suspected malfunction, lower the platform using the toggle switch on either control panels or use the emergency pull cable at the back of the unit. For more information, see section 5.6.1.

6.2 Emergency operations

Personnel must be familiar with the location and functions of both control panels (deck and chassis). To learn these functions, see section 5.6.1.

In an emergency situation

1. The cable activated emergency descent is the first choice for getting platform and personnel to the ground

2. The equipment must be controlled from the panel on the chassis only (ground level)

3. Additional help (crane, hoist, forklift, …) might be necessary to eliminate potential danger

6.3 Incident reporting

Plafolift International must be informed of any incident involving this motorized elevated work platform or any other equipment manufactured by Plafolift International, even if no apparent damage or injury to personnel has occurred. Plafolift International must be informed of all details concerning the incident.

Not reporting an incident involving a product manufactured by Plafolift International within 48 hours of the incident could result in a warranty void of the equipment.

7 MAINTENANCE PROCEDURE

7.1 General

This section covers safety rules to be followed when performing maintenance on this equipment. If these rules are not followed, injury to personnel or mechanical damage could occur.

All replacement parts must be original. Any substitution could result in a warranty void by Plafolift International.

Only qualified and competent personnel should perform these maintenance tasks.

7.2 Precautions to be taken before performing any maintenance task

1. Unless required for maintenance or repair, the engine should not operate and be disabled to avoid any accidental start-up.

2. Put all commands to neutral and ensure no one can activate them accidentally

3. Remove the key from ignition to prevent unauthorised start-up

4. Remove from the platform any object (tools, cables, bucket, etc.).

7.3 Hydraulic system precautions

AVERTISSEMENT WARNING

The equipment's hydraulic systems operate at potentially dangerous pressures. Great effort should be made to relieve all system pressure before disconnecting or removing any component of the system.

1. Always retract the stabilizers before performing repairs.
2. The hydraulic safety valve adjustments must never be modified.
3. Adjustments and repairs must be performed by qualified personnel only.
4. A regular lubrication of all pivot points must be performed in accordance with the manufacturer's recommendations.
5. Before performing any maintenance underneath the deck, make sure to support the scissors with the safety prop.

7.4 Safety prop procedure

AVERTISSEMENT WARNING

The safety prop must be used for any work requiring the removal of the deck.
Concerning the described procedures in this section: while raising or lowering the platform, keep hands and arms away from the scissor unless the safety prop is engaged. Not following the procedures in this section could result in major structural damage. Not following this procedure could result in injuries or death to personnel.

DANGER

Risque d'écrasement

Ne pas passer la main ou le bras au travers du ciseau lorsque la plateforme est élevée et que la barre de sécurité n'est pas correctement engagée.

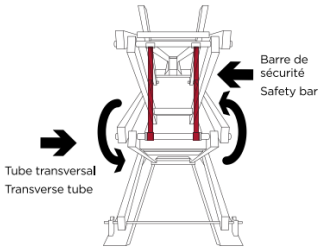
Le non-respect de cette mise en garde peut entraîner des blessures graves ou mortelles.

Rangement de la barre de sécurité

- Retirer l'arrêt d'urgence et lancer le moteur.
- Élever la plateforme jusqu'à ce qu'il y ait un espace suffisant pour rabaisser la barre de sécurité.
- Tenir les mains et bras à l'écart du ciseau.
- Rabaisser la barre de sécurité.
- Abaisser la plateforme.

Utilisation correcte de la barre de sécurité

- Enlever tout le matériel de la plateforme.
- Élever la plateforme jusqu'à ce qu'il y ait un espace suffisant pour soulever la barre de sécurité.
- Descendre lentement la plateforme élévatrice.
- Appuyer la barre de sécurité sur le tube transversal du ciseau.
- Tenir les mains et bras à l'écart du ciseau.
- Abaisser la plateforme avec la poignée de descente d'urgence rouge jusqu'à ce que l'extrémité supérieure de la barre de sécurité s'appuie sur la traverse étiquetée et que le ciseau soit soutenu par la barre de sécurité.
- Enfoncer l'arrêt d'urgence.



Crashing risk

Do not put your hands or arms through scissor when Platform is in the elevated position and the safety bar is not correctly engaged.

The non-respect of this warning can involve serious body injury.

Safety bar storage

- Remove the emergency stop button.
- Raise the Platform until there is sufficient space tu lower the safety bar.
- Keep yours hands and arms away from scissor.
- Lower and engage the safety bar in its support.
- Lower the platform.

Safety bar utilization

- Remove material from the Platform.
- Raise the plateform until sufficient space to pull up the safety bar.
- Lower the Plaform slowly.
- Depress the safety bar on the transverse tube.
- Keep yours hands and arms away from scissor.
- Lower the Platform with the red emergency descent knob, until the top end safety bar extremity leans on the labelled crossbar and until the scissor is supported by the safety bar.
- Disable emergency stop.

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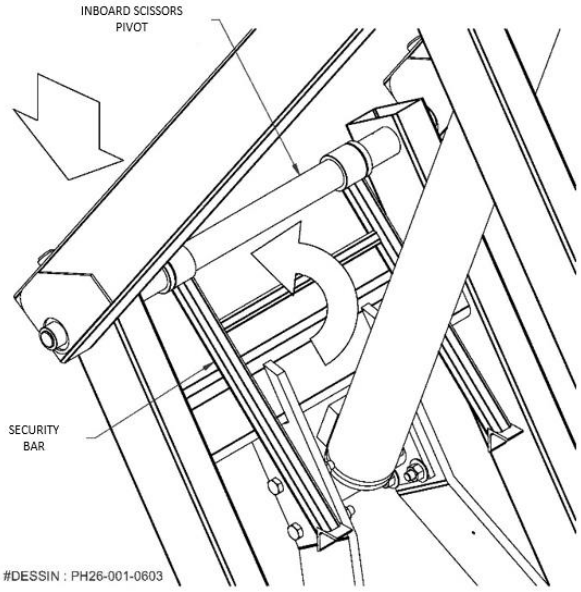
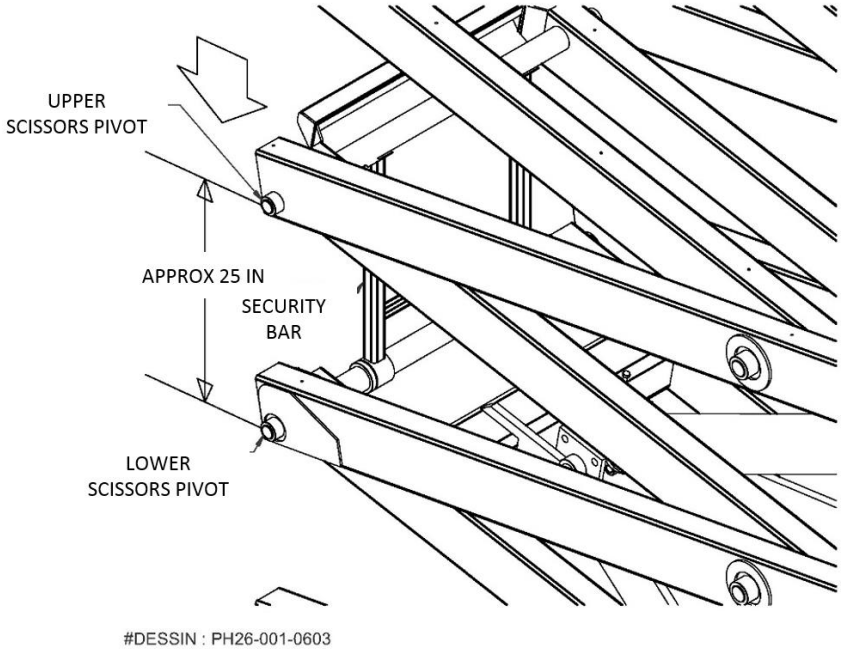
7.4.1 Procedure to support the platform

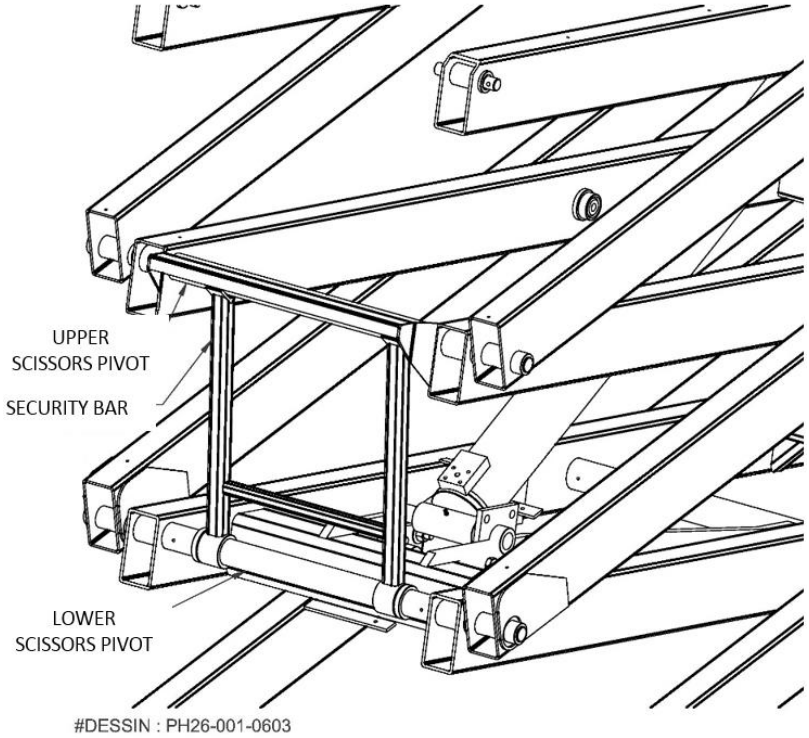


Step 1
Remove all material or load from the platform.

Raise the platform to be able to rotate the safety prop around its pivot points as shown above.



Step 2
Lower the platform until the distance between the upper and the lower pivot points is approximately 25".



Step 3

AVERTISSEMENT ⚠ WARNING

Always use the gravity descent control system (emergency descent on the back of the chassis) when the safety prop is in place.

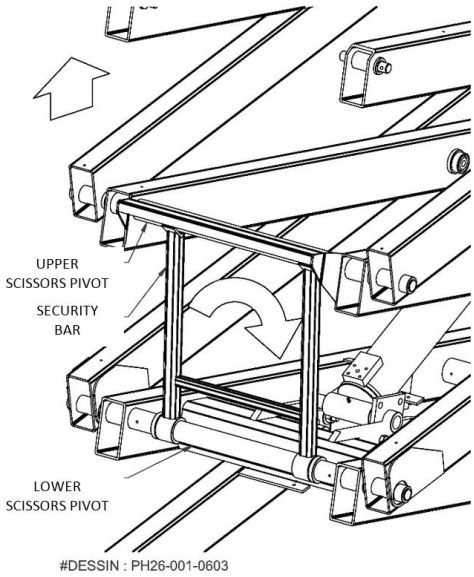
The scissor will be damaged if the pressurized descent command is used when the safety prop is in place.

Slowly lower the platform until the upper pivot is supported by the safety prop as shown above.

Step 4
Press the emergency stop.

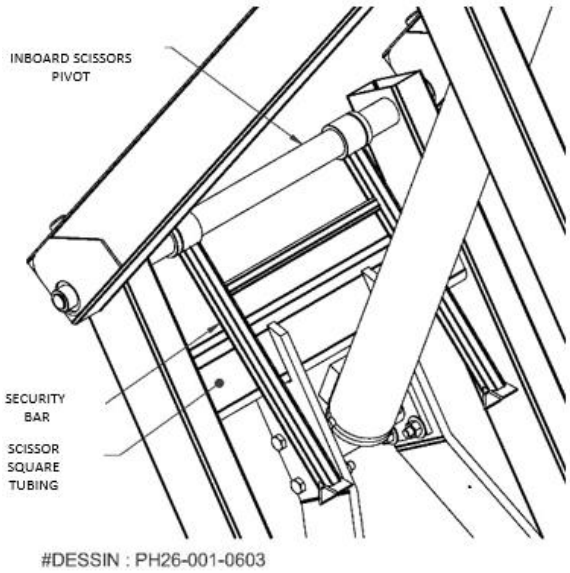
7.4.2 Procedure for disengaging the security bar

When the maintenance work is completed, follow this procedure to disengage the safety prop.



Step 1
Pull out the emergency stop button

Slowly raise the platform until you are able to pivot the safety prop toward the inside.



Step 2
Continue the rotation until the prop comes in contact with the square tubing of the scissor.

7.5 Information regarding maintenance

The information below is provided to assist maintenance of the elevated platform.

7.5.1 Safety advice

Your safety and the safety of your co-workers is priority when performing maintenance on this equipment. You must always be aware of the weight of its components. Never attempt to move heavy components without the appropriate tooling (overhead bridge crane, forklift) Do not leave heavy components in unstable positions. When you have to move heavy components, make sure to have appropriate support for the equipment.

7.5.2 Cleanliness

To increase the lifespan of your elevated work platform, keep the equipment and its components clean and free of debris. Covers, gaskets, seals and filtration systems are provided to keep the air, the oil and the fuel clean and free of contaminants. These elements must be properly upheld when performing the scheduled maintenance.

If you have to disconnect the fuel line or any hydraulic hose, make sure to clean your work surface beforehand. Clean every hydraulic component and fitting before re-plugging. When a hose or a fitting is not connected to the hydraulic system, you must cap the opening to avoid any contamination.

Inspect and clean all components while performing maintenance. Insure there is no obstruction. Protect and cover removed components during maintenance. Make sure new components are clean before installation.

7.5.3 Replacement and installation of components

Use the appropriate lifting device. All slings (chains, straps) must be parallel to each other and need to be parallel to the component to be lifted.

If a component is hard to remove, make sure that all bolts, nuts, cables and fasteners were removed and there is no interference with others components.

7.5.4 Assembly and disassembly of components

When disassembling or re-assembling a component, perform all the steps in a planned sequence. Do not partially assemble or disassemble a component. Check the work regularly to make sure nothing has been forgotten. Do not make any adjustments other than the adjustments recommended by the manufacturer without written consent.

7.5.5 Ball bearing

When removing a ball bearing, cover it to protect it from dust and abrasives. Clean the ball bearing with a non-flammable solvent and let dry. Compressed air can be used to dry the bearing but, the balls should not turn. Replace a ball bearing if the casing or balls are damaged, pitted or rusted.

A good condition ball bearing should be coated with a thin layer of oil and packed in wax paper. Open the ball bearing package only when ready to install.

Lubricate ball bearings as recommended by the manufacturer before installing them. When installing a ball bearing in an opening, you must apply pressure on the external casing of the bearing. When installing the bearing on a shaft, you must apply pressure on the internal casing of the bearing.

7.5.6 Gasket

Check if all holes in the gasket line up with the openings of the component in contact. If you have to manufacture a new gasket, make sure to use equivalence in material and thickness.

7.5.7 Bolts and torqueing

Always use proper length bolts. If a bolt is too long, it might run the end of thread before proper torque is achieved. If a bolt is too short, there will be lack of thread to support the load and tighten the components correctly. When replacing a bolt, make sure the replacement part has the same specifications (thread count, surface treatment, grade, etc.) or equivalent or superior.

Unless specified in this manual, always use the torque values recommended by the fastener's manufacturer or use a reference book.

7.5.8 Hydraulic hoses and electrical wiring

Always identify hydraulic hoses and electrical wiring before disconnecting them. This method ensures that all fitting are reconnected properly after maintenance.

7.5.9 Hydraulic system

Disassemble and reassemble components on clean work surfaces. Clean all metallic parts with non-flammable cleaning solvents. Lubricate all parts before reassembly.

7.5.10 Lubrication

Lubricate all components, at indicated intervals, with the right quantity and proper lubricant grade specified in this manual. If a lubricant type is unavailable, check with local suppliers for an alternative which meet requirements.

See section *Lubrication* at page 60 for all the components that need lubrication.

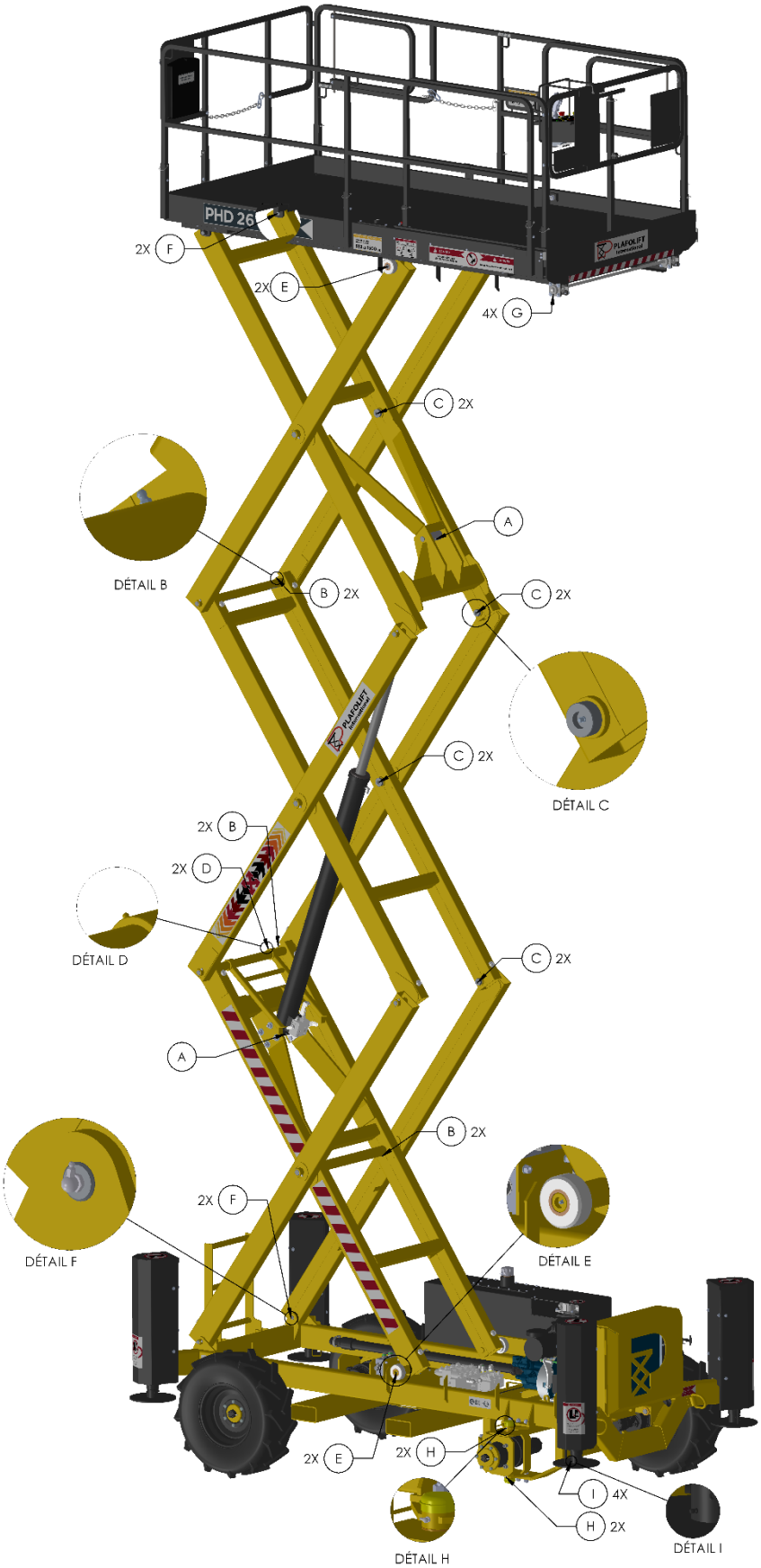
7.5.11 Battery

Clean the battery with a non-metallic brush and a baking soda and water solution. Rinse with clean water. Dry the battery and apply a non-corrosive paste on the terminals.

7.6 Lubrication

The grease used for lubrication (see the lubrication diagram on the next page) is SINTO® SINEP 2®. It is important that all pivot points be always lubricated.

Using other greases than SINEP 2® can cause pivot points to jam from chemical incompatibility. If SINEP 2® grease should be discontinued, make sure to replace with a compatible product. Always use molybdenum free grease.


PHD 26
2X F
2X E
4X G
C 2X
A
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B 2X
2X F
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DÉTAIL E
2X E
2X H
I 4X
H 2X
DÉTAIL H
DÉTAIL I

Lubrication points (SINTO SINEP 2®)		
Item	**Qty**	**Description**
A	2	Raising hydraulic cylinder grease nipple
B	6	Link tube between both sides of scissor grease nipple
C	8	Scissor pivot grease nipple
D	2	Support grease nipple
E	4	Scissor wheel grease nipple
F	4	Link pivot between pin and base/platform grease nipple
G	4	Extension roller bearing grease nipple
H	4	Forward steering pivot wheel grease nipple
I	4	Stabilizer foot grease nipple

Lubrication fluids				
Model	**Utility**	**Inputs**	**Application method**	**Interval**
Total Esquivis ZS 22	Hydraulic fluid	1	Procedure : chap. 7.9.7	Check every day
Total Transtec 5 80W90	Planetary/brakes	4	Procedure : chap. 7.13	50/1000hr
Total Rubia LD Extra 10W30	Diesel Engine	1	Refer to engine manual	50/200hr

The scissor must be supported when performing any maintenance work requiring the platform to be raised.

Activate all hydraulic functions before checking the hydraulic fluid level. The oil level should be visible in the sight glass. If not, add oil until the level is visible on the top of the upper sight glass. Do not overfill the hydraulic fluid reservoir.

7.7 Engine

In order to keep the engine in good condition, refer to the engine's guide included in the manual compartment of the unit. Follow the maintenance schedule prescribed. It is strongly recommended to use genuine replacement parts to maintain a performing engine that will last many years.

7.8 Pump adapter

The pump adapter is a maintenance free component. In case of faulty or damaged gear, follow the subsequent procedure to replace any part

- Remove the pump
- Replace the damaged component
- Apply thread lock (Loctite) on the bolt threads
- Bolts must be torqued in accordance with the standard torque chart
- Replace the pump

7.9 Hydraulic system

Make sure all fittings are tightened and all hoses are in good condition. Hydraulic oil leaks can cause injury to personnel.

Never work on the hydraulic system if the engine is in function.

The hydraulic system diagram is provided in the appendices.

The elevated work platform's hydraulic system includes a piston pump and works on variable flows and compensated pressures.

The traction and elevation valve is electrically actuated. Movement of the valve is proportional only for traction and elevation. In driving or raising mode, the joystick's motion sends a proportional signal to the solenoid valve that controls the oil flow.

The stabilizers and the steering are not proportional. When command is sent, the required flow is sent to the component.

Maintenance of the hydraulic system is very important. Most of the upkeep is related to the hydraulic fluid. Using clean and good quality fluid prevents premature wear and breakage.

7.9.1 External leak

Under torqued fittings is the main cause of external leaks. External leaks are easy to find; dust accumulates in the leak area.

Pressurized hydraulic fluid leaking from a broken hose or fitting can be almost invisible and be powerful enough to penetrate human skin. Never use your hand to block a leak or find a leak on a pressurized system.

In case of injury caused by pressurized hydraulic fluid, consult a physician as soon as possible. Serious infection can occur if medical attention is not sought out.

If a hydraulic fitting is torqued properly and still leaking, you need to disassemble the joint, identify and replace the damaged component.

Damaged or worn out components can also cause external hydraulic leaks. These situations must be corrected as soon as possible.

7.9.2 Internal leak

Internal leakage occurs when hydraulic fluid returns to the reservoir or to another component of the system.

Internal leaks can cause operating problems such as uncontrolled movements, dysfunction in a cylinder, etc.

In general, internal fluid leaks can be corrected by replacing a damaged O-ring or gasket. An internal leak can also be corrected by replacing the retaining valve cartridge, if related. If a piston, head or cylinder is damaged by a scratch or a gouge, the component will need repair or replacement. These repairs can only be performed by qualified and trained personnel aware of the precautions specific to cylinders manufactured by Plafolift International. Maintenance of hydraulic components must be performed in a clean environment with the proper tooling.

If the inside diameter of the cylinder casing is out of limit, the seal on the piston might get chafed or dislocated when the piston is pressurized. This could result in damage to the cylinder, injuries to personnel or mechanical damage to the unit.

7.9.3 Heat generation

Internal leaks result in pressurized fluid returning to the hydraulic tank. Constant flow causes temperature of the hydraulic fluid to rise. The amount of heat generated is consequent with the internal pressure and volume in the hydraulic system. If excessive heat is generated in the hydraulic system, the root cause must be found and corrected as soon as possible. Overheating reduces operation efficiency and can damage O-rings and gaskets. Shutdown of components could happen and service life of the hydraulic fluid is reduced.

Maximum operating temperature of hydraulic fluid must never exceed 100°C (212°F).

Conditions listed below will result in overheating of the hydraulic system

- Worn out or damaged pump
- Defective relief valve
- Below minimum level of fluid in the hydraulic reservoir
- Inappropriate or contaminated hydraulic fluid
- Internal leaks in control valves or hydraulic actuators

7.9.4 Cleanliness of the hydraulic system

Cleanliness of the hydraulic system is very important to ensure safe operation of this equipment. When a hose or a fitting is not connected to a hydraulic system component, you must cap the openings to avoid any contamination. Contamination can be caused by water (humidity), dust, etc. and can occur

- When servicing the hydraulic fluid reservoir
- When replacing oil filters or any other component
- When using hydraulic tools in bad conditions

To reduce to a maximum the risk of contamination of the hydraulic system, the following precautions must be taken

- Filter all oil added to the system
- Clean all fittings and hoses before disconnecting or reconnecting them
- Cap openings and hoses when disconnected
- Cap hoses and component openings while in storage
- Clean all components and hoses before installation
- Clean covers and caps of the hydraulic fluid reservoir before opening
- Clean the top of the return filter before replacing the cartridge
- Re-install hydraulic fluid reservoir cover after servicing.

7.9.5 Hydraulic fluid specifications

Hydraulic fluid condition plays an important role in keeping the equipment serviceable for a long period and in avoiding problems on hydraulic components. Proper grade, temperature and filtering will help to keep high performance. The specified hydraulic fluid contains additives preventing corrosion, worn and foaming.

The recommended hydraulic fluid for this equipment is indicated below. Most suppliers can provide fluid with the same specifications. When adding oil to the system, make sure to use the specified hydraulic fluid. At delivery, your equipment is filled with the recommended fluid.

Recommended hydraulic fluid: *Total® Esquivis ZS 22*

Total® Esquivis ZS 22 hydraulic fluid is recommended for hydraulic systems operating under high pressure and wide temperature variations. It is especially suited for equipment operating outside. It offers easy start up at low temperature and regular operating in all seasons.

7.9.6 Filtration

This unit is equipped with a complete filtration structure within the hydraulic system. The filtration structure must be maintained properly to reduce fluid contamination. All the components of the filtration system are identified below. Maintenance of these components is also detailed below.

Within the first operating hours of the equipment, normal wear of hydraulic components will result in a certain amount of residue in the filtration system. It is important to replace the filtration cartridges after the break-in period. Generally, the break-in period is approximately 25 hours of operation.

Replace all filtration cartridges with genuine parts. Other cartridges might have a below requirement capacity witch might reduce the flow, creating restriction in the system and premature wear.

7.9.6.1 High pressure filter

This filter is installed at the outflow of the pump and is located in the hydraulic compartment on the left side of the unit. The filter has a replaceable cartridge. It is separated in two sections: the head, where hoses are connected and the cartridge casing, at the bottom.

The high-pressure filter cartridge must be replaced after the first 25 hours of operation and every 12 months or 1000 hours. When replacing the hydraulic fluid or when suspected to be dirty, it is also recommended that the cartridge of the high pressure filter be changed. The cartridge cannot be cleaned, it needs to be replaced.

7.9.6.2 Return filter

The return filter's function is to clean all hydraulic fluid circulating in the system. It is the last component of the system's loop. The return filter is located in the hydraulic compartment on the left side of the unit. Fluid is flowing to the filter through the return hose to the tank.

The return filter element must be replaced after the first 25 hours of operation and after every 1000 hours of operation or every 12 months. When all the hydraulic fluid is replaced with new fluid or when suspected of clogging, it is also recommended that the cartridge of the return filter be changed. The cartridge cannot be cleaned and needs to be replaced.

7.9.7 Hydraulic reservoir

Total capacity of the hydraulic fluid tank is 210 liters (55.5 gallons US) when the level is in the middle of the upper sight glass. The filling cap is located on top of the reservoir. The cap is vented to allow easy suction from the pump.

Any new fluid must be filtered before being introduced in the reservoir.

7.9.8 Pump

The unit is equipped with a variable flow and compensated pressure pump. This pump is installed on the engine with an adaptor. The pump has a load sensing circuit that adjusts the flow of the pump to maintain required pressure to activate functions at desired speed.

7.9.8.1 Pump start-up

Before starting a new or just serviced hydraulic pump, it is very important to make sure that the casing (or the pump) is completely filled with hydraulic fluid. Make sure the fluid is free on contaminants. Fill the pump from the most elevated drain hole.

All the hoses connected to the pump must be filled with fluid. The pressure fitting must be unscrewed just enough to allow the air trapped in the hydraulic system to escape. The pump should be started at the lowest RPM of the engine. Once the hydraulic system has been bled, you will need to re-torque the pressure fitting on the pump before any further operation. The hydraulic system must be operated for a minimum of 15 minutes without load.

The feed hose of the pump must be connected to the highest hole in the pump to allow the air to bleed out and to allow proper lubrication of all internal pump components. The drain hose of the pump must be connected directly to the reservoir without any restriction and must be located lower than oil level. Ensure suction hose is also bled, and all fittings are properly torqued.

Failure to follow said recommendations, the pump will suffer damage very quickly, even after only a few seconds.

7.9.8.2 Pump maintenance

Cavitation and air infiltration are the main causes of pump damage. These conditions can be prevented by identifying and correcting problems as soon as they arise.

Cavitation happens when oil on the suction line does not fill all exposed cavities of a pump. When a pump is cavitating, a very high frequency noise will be heard. Sound increases in relation with the level of cavitation and the drop in oil flow. Below is a list of conditions that can cause cavitation

- Excessive operation speed of the pump
- Clogged suction filter
- High hydraulic fluid viscosity
- Restriction (pinched hose or bend radius too small)
- Pump hose higher than reservoir fluid level
- Stop valve on suction hose not fully open

To avoid cavitation due to high viscosity, hydraulic fluid must be warm before operating the pump at higher RPM than idle speed.

Aeration can also damage the pump. Aeration happens when air bubbles are introduced into the hydraulic fluid and sucked into the pump. Aeration can happen in the following conditions

- Below minimum hydraulic fluid level in the reservoir. This condition creates a vortex at suction, which allows the intake of fluid filled with air bubbles.
- Pump cavitation
- Fittings not correctly torqued on the suction line between the pump and the hydraulic fluid reservoir.
- Return line is installed above reservoir fluid level. This condition creates turbulence in the reservoir and mixes air to the fluid.

Cavitation can quickly damage a pump. If any cavitation symptoms are detected, investigate as soon as possible and perform all necessary repairs.

Air infiltration can occur even if no loss of oil is detected. It is possible to locate an air infiltration by applying a small amount of clean hydraulic fluid around each fitting at both ends of the suction line. This must be done when the unit is in operation and the engine is at idle speed. The applied clean fluid will be sucked in by the pump's vacuum effect and the defective fitting will be identified.

If there is aeration in the hydraulic system, a layer of foam will form on top of the fluid in the reservoir. The pump might also be noisy.

If the retaining bolts of the pump are loose, the pump's driveshaft might be misaligned. This could result in a premature wear of the gasket and the driveshaft of the pump. You must ensure the retaining bolts are re-torqued every 350 hours of operation or every 4 months whichever comes first.

In case of a major failure of the pump, hydraulic system must be purged.

Before replacing or repairing the pump, you must empty the hydraulic fluid reservoir or limit the fluid leakage by using a vacuum on the reservoir filling hole.

For more information on maintenance and repair of the pump, contact the service department of Plafolift International.

7.9.9 Hydraulic adjustment procedure

The following sections detail procedures to follow for hydraulic system adjustments.

7.9.9.1 Start-up

- Fill the pump with hydraulic fluid
- Make sure to bleed the air from the pump by removing the highest drain plug
- Make sure to bleed the air from the hydraulic system by activating a no load function (Ex: traction function) and circulate the fluid in the system.
- Activate stabilizer cylinders, steering cylinder and raising cylinder in small increments.

7.9.9.2 Master bloc safety valve

Pre-adjusted cartridge at 3000 PSI.

7.9.9.3 Pump safety valve

Adjusted at 2700 PSI.

7.9.9.4 Main block raising function counterbalance valve

Raising relief valve adjusted at 2400 PSI.
Lowering relief valve adjusted at 1400 PSI.

7.9.9.5 Stabilizer deployment speed

Factory adjusted needle valve at 8.5 GPM.

7.9.9.6 Raising counterbalance

Cartridge 4.5:1 pre-adjusted at 3500 PSI.

7.10 Low speed in raised position

The low speed in raised position is electronically limited.

7.11 Traction counterbalance adjustment

Traction counterbalances are factory adjusted and must never be modified.

7.12 Hydraulic cylinder

7.12.1 Raising cylinder replacement procedure

Raising cylinder removal

- Position the unit on a level and even surface. Start the engine and raise the platform. Use the security prop to support the platform. Shut down the engine.
- Remove the pivot retaining bolt on the rod end. Secure the cylinder by strapping the rod end on the scissor. Use a brass punch to remove the pivot pin from the cylinder.
- Mark and disconnect the hydraulic hoses. Retract the cylinder shaft. Cap or plug the hydraulic hoses and the cylinder hydraulic connections.
- Remove the head end cylinder retaining bolt. Secure the head end with straps and a lifting aid. Use a brass punch to remove the pivot pin from the cylinder.
- Carefully remove the cylinder from inside the scissor.

New raising cylinder installation

- Position the new cylinder inside the scissor with straps and the appropriate lifting aid
- Align the head end of the cylinder with the attachment bracket. Insert the pivot pin through the cylinder attachment hole and the attachment brackets. Secure the cylinder with a bolt
- Remove the cap on the cylinder hydraulic port. Connect the hydraulic line to the cylinder hydraulic port

- Extend the cylinder shaft until aligned with the attachment brackets. Install the pivot pin through the attachment bracket and the rod end. Secure it with a bolt

- Start the engine of the unit. Remove and stow the safety prop as specified in the safety prop procedure of section 7.4. Completely lower the platform and shut down the engine

- Check for hydraulic leaks. Check the hydraulic fluid level in the reservoir

7.12.2 Repair procedure

7.12.2.1 Disassembly

Cylinder disassembly must be performed on a clean working surface free from contamination.

Hydraulic cylinder disassembly must be performed carefully to avoid any damage to the rod, head, piston or shaft.

- Activate the hydraulic cylinder with an external hydraulic power source or pressurized air to extend the strut. It is important to avoid extending the strut to its maximum length to prevent any pressure build up between the head and the piston.

- Firmly hold the cylinder casing in a support. Hit the external casing of the head of the cylinder to break out the adhesive (Loctite).

- With the appropriate wrench, completely unscrew the cylinder head.

- With the proper tool, remove the cylinder strut.

- Completely unscrew the piston holding nut. Remove the piston and the head from the strut.

- Remove and discard all the cylinder O-rings.

7.12.2.2 Cleaning and inspection

- Clean all the hydraulic cylinder components with the appropriate cleaning solvent.
- Inspect the cylinder strut for damage: scratches, cracks or warp. If any of these defects is detected, replace the strut.
- Inspect the strut threads.
- Inspect the inside of the cylinder for damage: scratches, cracks or warp. Measure the inside diameter of the cylinder to detect distortion. Replace the cylinder if distorted.
- Inspect the thread inside the cylinder.
- Inspect the piston for damage: scratches, cracks or warp. If any of these defects are found, perform the necessary repairs or change the piston.
- Inspect the O-ring groove on the piston for damage. Blend and repair damage, if found.
- Inspect the head for damage : scratches, cracks or distortion. If any of these defects are found repair or replace the head.
- Inspect the O-ring groove on the head. Blend and repair the damage, if found.
- Inspect the bottom and the strut bushing for damage or wear and replace if necessary.

7.12.2.3 Re-assembly

Before re-assembling the hydraulic cylinder, make sure you have a complete O-ring kit, refer to the parts catalogue. Apply a thin film of hydraulic fluid on all the components before re-assembly.

- Install the new O-ring on the cylinder head
- Carefully slide the cylinder head on the strut. Make sure that all O-rings are not damaged and in place. Push the head to the end of the strut
- Install the new O-ring on the cylinder piston

- Carefully slide the piston on the cylinder strut. Make sure that the O-ring are not damaged and in place
- Hold firmly the strut in a clamp
- Apply Loctite #242 adhesive on the strut thread and torque the nut on the strut
- Hold firmly the cylinder in a clamp
- Carefully insert the piston inside the cylinder while supporting the strut. Make sure the O-ring are not damaged and in place
- Continue to push the strut inside the cylinder until it is possible to install the cylinder head
- Apply Loctite #242 adhesive on the cylinder head threads and torque the head inside the cylinder

7.13 Planetary and brake

This unit is equipped with four *Power Planetary Gear Drives*.

To install a new engine on the planetary, you must replace the O-ring between the gearbox and the motor. The thread of the bolts must be sealed.

The planetary is shipped without lubricant and must be filled with oil before start-up.

The planetary must be filled at half capacity with *Total® Transtec 5 80W90* oil. Use the servicing port and the drain hole on top of the cover.

It is recommended to replace the planetary oil after the first 50 hours of operation. Subsequently, you must do an oil change every 1000 hours of operation or every year whichever comes first.

7.14 Electrical system

7.14.1 General description

The electrical diagram is given in the appendices.

The power supply source of the elevated platform is provided by a 12V DC battery. The battery is installed in the electrical compartment and is recharged by an alternator.

7.14.2 Electrical components

Internal connections and all connections to valves, switches or relays are shown on the electrical diagram in the parts catalogue. Main electrical components are described in this section.

7.14.3 Control panel

The control panel is installed on the platform guardrail and includes an ignition key, an emergency stop switch, a joystick and toggle switches. This control panel is equip with a quick connect device to allow easy removal and storage.

A second control panel is located in the electrical compartment of the chassis.

No maintenance is required for these control panels other that checking if connections are intact.

7.14.4 Connection panel

The connection panel is located in the base control panel. It includes the controller and all connections to the operation solenoid hydraulic valves of the unit.

No maintenance is required. Just basic inspection of the condition of connections: all is properly fastened and no wire is disconnected.

7.14.5 Welding work recommendations

This procedure must be followed if welding work needs to be performed on the unit:

- Shut down the engine
- Disconnect the negative pole from the battery
- Disconnect the controller connector
- Do not use any electrical component on the unit to ground the welder. Install the ground clip as close as possible to the welding work.

7.14.6 Angle switch

The elevated work platform is equipped with a tilt switch adjusted to be activated at an angle of 2.5°. When the tilt switch is activated and the platform is raised, only the lowering function is available. When the tilt switch is activated and the platform is retracted, the only function not available is the raising of the platform.

You can level the tilt switch by adjusting the spring supports.

It's important to perform a level adjustment of the switch at least every 6 months to ensure proper function.

Adjustment of the tilt switch:

1. Position the unit on a flat, compact and perfectly level surface

2. Level the base of the switch with the three nuts until the bubble is in the middle of the bull's-eye indicator

3. Apply pressure on each corner, one at a time. Movement needs to be sufficient to activate the switch. If the switch is not activated while performing the three tests it is because the nuts are too tight. Unscrew the three nuts and repeat steps 2 and 3

7.15 Storage

1. Place the equipment in a well-protected and ventilated area
2. Make sure the platform is in the stowed position
3. Turn the ignition key to the *Off* position
4. Press the emergency switch
5. Install wheel chocks on at least 2 wheels

8 EQUIPMENT SPECIFICATIONS

8.1 Description

This motorized elevated work platform is compliant with CSA standard *CAN B 354.2-01*, its trademark is PLAFOLIFT INTERNATIONAL and it is used on construction sites. This unit is designed to operate on compacted surfaces to position in height working conditions: workers, tooling and materials (maximum capacity of 1500 lb).

8.2 Configuration and options

PHD26
4 wheel drive traction
4 brakes
2 directional wheels
42'' extension floor (retractable)
Kubota Engine V1505 35 HP
Tru Power 29/12.5 x 15 tire, 6 ply, inflated with air (30PSI MAX)
Folding guardrails
Quick disconnect joystick
Movement alarm
Emergency descent
Hour meter

PHD26
3 lateral bars (1 of 3 located in the retractable portion) to support scaffolding lumber
Hydraulic stabilizers
Engine heater
Block heater
Battery heater
Hydraulic fluid heater
110 volts plug
Stroboscopic light
2.5° tilt switch
Proportional traction and elevation

8.3 Technical specifications

	Specification	**PHD26**	
	Wheelbase	2,13 m	7'
	Front wheel wheelbase	1,77 m	5' 9 5/8"
	Rear wheel wheelbase	1,53 m	5' ¼"
	Maximum height	9,75 m	32'-3''
	Platform height in raised position	7,93 m	26'
	Platform height in lowered position	1,68 m	5'-6"
	Closed height with guardrails	2,44 m	8'-3''
	Pivoting guardrail height from floor	1,07 m	45"
	Retractable extension lenght	1067 mm	42"
	Ground clearance	127 mm	5"
	Platform dimension	1524 x 3099 (mm)	5' x 10'-2"
	Unit dimension	2007 x 3505 (mm)	6'-7" x 11'-6"
	Platform capacity	565 kg	1500 lb
	Retractable extension capacity	113 kg	250 lb
	Raising and lowering speed	26 s./30 s.	26 s./30 s.
	Height displacement	7,93 m	26'
	Displacement speed 4 x	4.7 km/h	2.5 mph
	Power source	Diesel	Diesel
	Tires	29-12.50-15 (30PSI)	29-12.50-15 (30PSI)
	Diesel engine	26 Kw	35 Hp
	Battery	12 volts	
	Fuel reservoir capacity	95 L	25 gal
	Oil reservoir capacity	200 L	53 gal
	Front axle weight	1410 kg	3375 lb
	Rear axle weight	1870 kg	4475 lb
	Weight of the unit 4 x 4	3560 kg	7850 lb
	Maximum load capacity	680 kg	1500 lb
	Retractable floor capacity (option)	110 kg	250 lb
	Lateral floor capacity	180 kg	400 lb
	Interior turning radius	4,67 m	15' 4"
	Retracted stabilizers (distance from ground)	343 mm	13 ½"
	Stabilizer travel length	594 mm	23 3/8"
	Tilt adjustment	2.5°	2.5°
	Displacement speed when the platform is raised more than 12 inches	0.9 km/h	0.56 mph

8.4 Hydraulic system

Forward and reverse movement and steering	2700 PSI
Main overpressure valve	3000 PSI
Raising movement	2400 PSI
Lowering movement	1400 PSI

Cylinders on the motorized elevated work platform are used for stabilization, raising and lowering function (master cylinder) and for steering.

Each stabilizer is independent and electronically controlled. They move on the vertical axis to allow a better stabilization of the unit. The raising cylinder opens and closes the scissor to allow the raising and the lowering of the platform.

The motorized elevated work platform has to drive easily, smoothly and safely. It is equipped with hydraulic steering cylinders and lateral struts connected to pivot points on each directional wheel.

To activate the hydraulic cylinders, the motorized elevated work platform has a hydraulic variable flow and compensated pressure pump of 25 GPM. The hydraulic system also includes a hydraulic fluid reservoir with a capacity of 53 gallons, control valves, pressure distributors and safety valves.

Cylinder	**Ø Inside casing**		**Ø Strut**		**Stroke**	
Raising	11.4 cm	4 1/2**"**	6.4 cm	2 1/2**"**	164.8 cm	64 3/4**"**
Steering	6.4 cm	2 1/2**"**	3.2 cm	1 1/4**"**	20.3 cm	7 3/16**"**
Stabilizer	7.6 cm	3**"**	5.1 cm	2**"**	59.4 cm	23 3/8**"**

8.5 Platform characteristics

The working platform includes:

- Removable guardrails with anchors for safety harnesses
- Anti-slip surfaces
- Lateral retractable support for additional platform space

8.5.1 Electrical system

A microcontroller regulates all the operating conditions of the unit.

8.5.2 Brakes

The motorized elevated work platform is equipped with integrated brakes in each planetary gearbox. The brake system is engaged when oil supply is stopped to the hydraulic motors.

8.5.3 Exhaust

The motorized elevated work platform is equipped with a maintenance free exhaust system.

8.5.4 Scissor

Constructed from tubing and assembled on bronze bushings to improve the life expectancy and to allow smooth vertical movement. These structural elements are designed to resist the maximum load capacity of the unit.

8.5.5 Operating conditions

1. In the retracted position, the unit can drive fully loaded at a maximum speed of 2.5 km/h (1.5 mph).

2. The stabilizers must be in the retracted position to move the unit.

3. When the platform is deployed, the displacement speed is reduced to 0.9 km/h (0.56 mph).

4. When the platform is raised and the unit is on a slope of 2.5° or more, the only available function is lowering of the platform.

5. When the platform is lowered and the unit is on a slope of 2.5° or more, the platform cannot be raised.

8.5.6 Serial number location

For proper identification of the unit, a certification plate with the serial number is installed on the rear portion of the deck.

8.5.7 Equipment stability

Never replace critical stability components (tire, engine, hydraulic fluid reservoir, …) Never alter the equipment in a manner that could affect stability

For continuous improvement of this document, please advise Plafolift international if any errors are found in the manual.

UNIT ADJUSTMENT PARAMETERS

The following chart lists factory manufacturing adjustments. Those parameters must be inspected and adjusted if needed by trained and qualified personnel only.

Adjustment parameters – **elevated platform**	
Raising and lowering overpressure relief valve (PSI)	
Raising speed, full throttle engine (sec.)	
Lowering speed, full throttle engine (sec.)	
Lowering speed, emergency descent (sec.)	

Serial Number:_____

Date:_____

Adjusted by:_____

Signature:_____

ENGINE SERIAL NUMBER STICKER

WARNING ON TIRE PRESSURE AND SPECIFICATIONS

Air pressure can affect stability. Temperature changes can affect air pressure. It is important to visually inspect all tires for proper inflation prior to use. Tires should be checked by end user on a daily basis. Tire air pressures must be checked weekly with a calibrated gauge. If the measured pressure is less than specified, re-inflate to indicated pressure below. Tires must not be inflated above the recommended specification. Do not mix tires of different types on one aerial platform. Only use tires of originally supplied type.

Type	Size	Product code	Ply	Diameter
Tru Power	29x12.50-15	5233D4	6	29.3po
Width	**Rim width**	**Max load at 10 MPH**	**Max pressure**	**Wheel weight**
11.6po	10po	1650kg	30PSI	43.6kg

ENTERING AND LEAVING THE PLATFORM IN RAISED POSITION

To the attention of: Equipment safety supervisor.

Subject: Entering and leaving Plafolift International platform in raised position.

Before any raising operation, risk assessment related to the equipment and local laws on working sites should be performed. Not following this procedure could result in injury or death to personnel.

To exit and enter the elevated platform in raised position, it is mandatory to:

- Use the lateral bars with scaffolding beams fastened with appropriate hardware to steel angles (part PH26-900-0001rev0) supplied with the unit.
- Be at a maximum distance of 4 inches of the surface to be reached.
- Make sure the surface to be reached can support the load of the workers and their equipment.
- Make sure the operators wear two anti-fall protection systems. When you transfer, one line must be connected to the unit and the other one fixed to the surface to be reached.

⚠ DANGER

Using material (wood or any other) to bridge the platform to other surfaces is forbidden. Do not use the raised platform if wind velocity is more than 45km/h. The maximum lateral force allowed on a raised position platform is 200 lbs.

MARTIN GOBEIL
07 Juin 2018

10 INSPECTION

Read and follow the instructions below

10.1 Inspection (DAILY)

Frequency

Daily:

Visual inspection must be done by the operator at each shift start.

Daily inspection (OPERATOR)

Only the daily inspection specified in this manual can be performed by the operator.

10.2 Inspection (PERIODIC & ANNUAL)

Frequency

Periodic:

After 200 hours of operation or 3 months, whichever comes first.

Annual:

After 700 hours of operation or 12 months, whichever comes first.

A unit that has not operated for more than 3 or 12 months is subject to periodic inspection (3 months) or annual inspection (12 months) before operating again.

Periodic and annual inspection (QUALIFIED TECHNICIAN)

Annual and periodic inspections should be performed by a qualified technician, in accordance with manufacturer technical characteristics and instructions specified in this manual.

Daily inspection
Motorized elevated work platform
B354.2-01 standard, article 5.3.2

Brand :	**Serial number :**
Model :	**Year :**
Leaseholder:	**Inspection date :**
Owner :	**Inspected by :**

Prior to engine start-up check:	**Defective**		**Corrected**
	no	**yes**	
Diesel fuel, **Engine oil**, **Hydraulic fluid, Engine coolant** – Suitable fluid quantity, no leaks, caps closed properly.			
Tires and **wheels**, no loose or missing wheel nuts, proper tire pressure. No apparent damage.			
Ladder rungs, free of damage or debris			
P**latform floor** - no structural damage, holes, cracks in the **welding**, dirt, debris, oil or grease			
Check **anchoring** on the directional cylinder, stabilizer cylinders and raising cylinder.			
Check **scissor rollers** on the chassis and under the deck			
Check the **guide**, **tracks** and **bearings** under the deck			
Lube all scissor and cylinder pivot points			
Traction motor - no visible damage or oil leaks			
Stabilizers – No missing, loose or damaged components. No leaks.			
Planetary gearbox drives (our wheels) no damage and no leaks. Each planetary must be half filled with oil.			
Pivot and steering rod (in front on each side) no loose or missing parts and no visible damage. Proper lubrication.			
Steering cylinder (in front), no loose or missing parts, no visible damage, no leaks.			
Scissor limit switch for the raising function, properly fastened and no visible damage			
Control panels (chassis and deck) no loose or missing parts, switches and joystick return to neutral without input, legible placards are in place.			
High pressure filter (hydraulic unit) correctly fastened, no leaks, clogging indicator good.			
Hydraulic pump (back of engine) correctly fastened and no visible damage. No loose hoses, fittings and no leaks.			
Control valves (middle of the frame) correctly fastened, no visible damage. All wires and hoses connected properly.			

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Daily inspection
Motorized elevated work platform
B354.2-01 standard, article 5.3.2

Prior to engine start-up:	**Defective**		**Corrected**
	no	**yes**	
Electronic controller (electrical compartment) correctly fastened, all wires connected, no visible damage.			
Scissor – no apparent damage, cracked welding, distortion or excessive wear.			
Raising cylinder - no loose or missing parts, no damage, no oil leak.			
Guardrails and access to deck - easy movement, locking and latching, no visible damage.			
On start-up sequence	**Defective**		**Corrected**
	no	**yes**	
Stabilizer operational check.			
Raising function operational check from the base control panel.			
Check for proper operation of the **raising and lowering functions** (raising capacity).			
Traction – operational check in forward and reverse movement.			
Operation check of the steering system.			
Operational check of stop capacity (brakes)			
Safety devices :	**Defective**		**Corrected**
	no	**yes**	
Strobe light - check for missing or defective lens or cover.			
Tilt switch (electrical compartment) no loose or missing parts and no visible damage. Engage the unit in traction mode, tilt the sensor of more than 2.5° and wait for 3 sec. Alarm #3 should be activated.			
Motion alarm (electrical compartment) no loose or missing parts and no visible damage			
Horn (for raising, lowering and moving functions)			
Functional check of both **emergency stops** (base and platform)			
Operational test of all **normal and emergency function** switches			
Authorized lanyard anchorage points (guardrails): check for damage. Check welding for cracks.			
Unit does not move when a lateral bar is extended.			
Unit moves at low speed (0,5km/h) when platform is elevated.			
Unit doesn't move if one of the stabilizers is partially lowered.			

Next page

Daily inspection
Motorized elevated work platform
B354.2-01 standard, article 5.3.2

Safety devices:	**Defective**		**Corrected**
	no	**yes**	
Raising function is disabled if only one stabilizer is lowered.			
Raising function is available only if the 4 stabilizers are deployed on solid ground or if all stabilizers are retracted.			
The emergency stop has priority on all other functions.			
The lowering command from the base has priority on all other motorized commands from the platform.			
To rise, lower the stabilizer(s) from the platform deck, the green authorization button must be pushed.			
To move forward, backward, up or down from the deck, the deadman trigger switch must be pressed.			
For stabilizer deployment from the chassis control panel, the activation switch at the bottom of the box must be initiated.			
Stabilizer deployment (from the chassis or from the deck) is only possible when the platform is in lowered position.			
When the unit is in a slope of more than 2.5°, the raising of the platform is not possible.			
After start-up :	**Defective**		**Corrected**
	no	**yes**	
Check for any visible leak on the ground.			
Check for leaks on the fuel tank, hydraulic fluid tank and check the engine for oil or coolant loss.			
Hydraulic lines or hoses: Check for loose fittings and leaks.			
Return filter (in hydraulic fluid tank): is not loose, damaged or leaking.			
High pressure filter (in the hydraulic unit): Check for leaks.			
Hydraulic pump: Check for leaks.			
Control valves (middle of the frame): Check lines, hoses and connections for leaks.			
Raising cylinder: Check for leaks.			
Brakes: Check for leaks.			
Structural components: Check for damaged or broken parts. Check **welding** for cracks.			
Operator Manual: Check if the manual is in the waterproof compartment (located on one of the platform guardrails).			
Cleanliness: Verify general cleanliness of the unit.			
Electrical harness and wiring: Check general condition.			
Battery: Check posts for general condition.			

Signature: _____

Periodic inspection (200 hours or 3 months)
Motorized elevated work platform
B354.2-01 standard, article 5.3.2

Brand :	**Serial number :**
Model :	**Year :**
Locator :	**Inspection date :**
Owner :	**Inspected by :**

After 200 hours of operation, inspect:	**Defective**		**Corrected**
	no	**yes**	
All points from the **daily inspection** report			
Battery (electrical compartment): Electrolyte levels are satisfactory, all cables properly connected and no visible damage or corrosion.			
No loose **bolts**, **nuts**, **cotter pins** or other fasteners.			
General condition of all **pivot points.**			
Hydraulic fluid filter: Check for cracks, leaks. Open filter and check for metal shaving or anything that could indicate failure of the pump, engines or hydraulic cylinders. Check for any rubber parts or pieces that could indicate a failure in a gasket, O-ring, etc.			
General condition of the engine			
Hydraulic lines: Check for cracks, leaks, excessive wear on all flexible or rigid lines.			
Hydraulic pump and **motors:** Inspect for cracks, leaks, leaking joints, static leaks, loss of movement or speed, fluid overheats and pressure drops.			
Hydraulic cylinder: Check for any failure due to a fluid leak in the stop valve or piston, static leaking on the strut, nicked or gouged strut, dented cylinder casing, unusual sounds, vibrations and corrosion.			
C**ommand mechanisms:** Check for excessive wear. Validate response delay.			
Lockout mechanisms: Check slope warning system and limit switches for general condition.			
Scissor and cylinder pivot points. Check for premature wear, corrosion and loose or missing bolts or nuts.			
Fan belt: Check tension. Check for wear and general condition.			
Hydraulic hoses. Check for cracks, leaks, blisters or chaffing signs on flexible and rigid lines.			

Signature: _____

Annual inspection (700 hours or 12 months)
Motorized elevated work platform
B354.2-01 standard, article 5.3.2

Brand :	**Serial number :**
Model :	**Year :**
Locator :	**Inspection date :**
Owner :	**Inspected by :**

After 700 hours of operation, inspect :	**Defective**		**Corrected**
	no	**yes**	
All points from the **daily inspection** report			
All points from the **periodic inspection** report			
All **tie down / haul points**: Check for excessive wear and cracks in the welding.			
Axle and direction mechanism: Check for excessive wear and cracks in the welding.			
Chassis: Check for distortion in the structure, excessive wear and cracks in the welding.			
Scissor: Check for excessive wear, distortion and cracks in the welding.			
Guardrails: Check for excessive wear, distortion and cracks in the welding.			

Signature: _____

Inspection and repair report

Date	Comments

Inspection and repair report (continuation)

Date	Comments

APPENDICES

PLAFOLIFT International

Formulaire de Garantie / Waranty Form

Plateformes élévatrices automotrices / Motorized elevated platforms

Toutes les plateformes fabriquées par Plafolift international sont garanties par le constructeur à partir de la date de livraison de l'équipement selon les conditions suivantes / All platforms manufactured by Plafolift International are guarantied as per the following, starting at delivery

Durée des garanties	
Composante	**Durée de garantie**
Composantes structurales / Structural componants	60 mois / months
Moteur Diesel *KUBOTA* / *KUBOTA* Diesel engine	24 mois / months
Ensembles moteur électrique - planétaire de traction / Électric drives - planetary gearbox kits	12 mois / months
Batterie(s) 12V / 12V Battery(ies)	12 mois / months
Autres composantes / Other componants	12 mois / months

Conditions de garanties

• La garantie sera honorée à condition que les entretiens prescrits aient été fait, avec rapport à l'appui, par une autorité compétente. / Waranty will be honored only if the prescribed maintenance has been performed, with written proof, by qualified personnel.

• L'acheteur doit s'être parfaitement conformé aux conditions de paiement. / Buyer must have conformed to all paiment terms.

• Les durées de garantie mentionnées dans ce document sont basées sur des périodes calendrier standards. L'interruption saisonnière ou autre des activités de l'équipement ne peut être considérée. / Periods mentionned in this document are based on regular calender terms. Seasonal interruption of equipment activities cannot be taken into account.

• Toute modification sans approbation de Plafolift International: altération des dimensions, remplacement par des pièces non approuvées, contournement des systèmes de sécurité, changements au programme du contrôleur etc., annule la présente garantie. / Any modification to the equipement without written authorisation, shuch as changes in dimension, unnaprooved replacement parts, safety device tempering, controler program modifications, will void this waranty.

• L'usure, dite normale, n'est pas couverte par la garantie / Normal wear is not cover by the waranty.

• En aucun cas, la compagnie Plafolift international, ne sera responsable de dommages causés par une mauvaise utilisation de l'équipement. De même pour tout accident causé par la manipulation de charges excédant les limites de l'équipement. Si un tel accident se produisait, une preuve que la charge était bel et bien dans les limites admissibles reviendra être fournie. / In no case will Plafolift International be accountable for damages caused by poor usage of the equipment. Same for accidents caused by the manipulation of loads exceeding the limits. If such an accident should occur, proof the load manipulated was indeed within recommended limits will have to be provided .

• La présente garantie abroge et remplace toute autre garantie verbale ou écrite. Elle est la seule qui soit en vigueur sur tous les produits fabriqués par Plafolift International. Toute autre modification à ses termes est nulle. / This waranty repeals and replaces any other verbal or written waranty. It is the only valide waranty on all Plafolift International products.

• La garantie est transférable dans le cas où les entretiens périodiques et annuel sont effectués par une autorité compétente. / This warranty can be transferred if all maintenance, periodic and annual, have been undertaken by qualified personnel.

Nom du Distributeur : _____

Modèle : _____ Numéro de Série : _____

Vendu à : _____

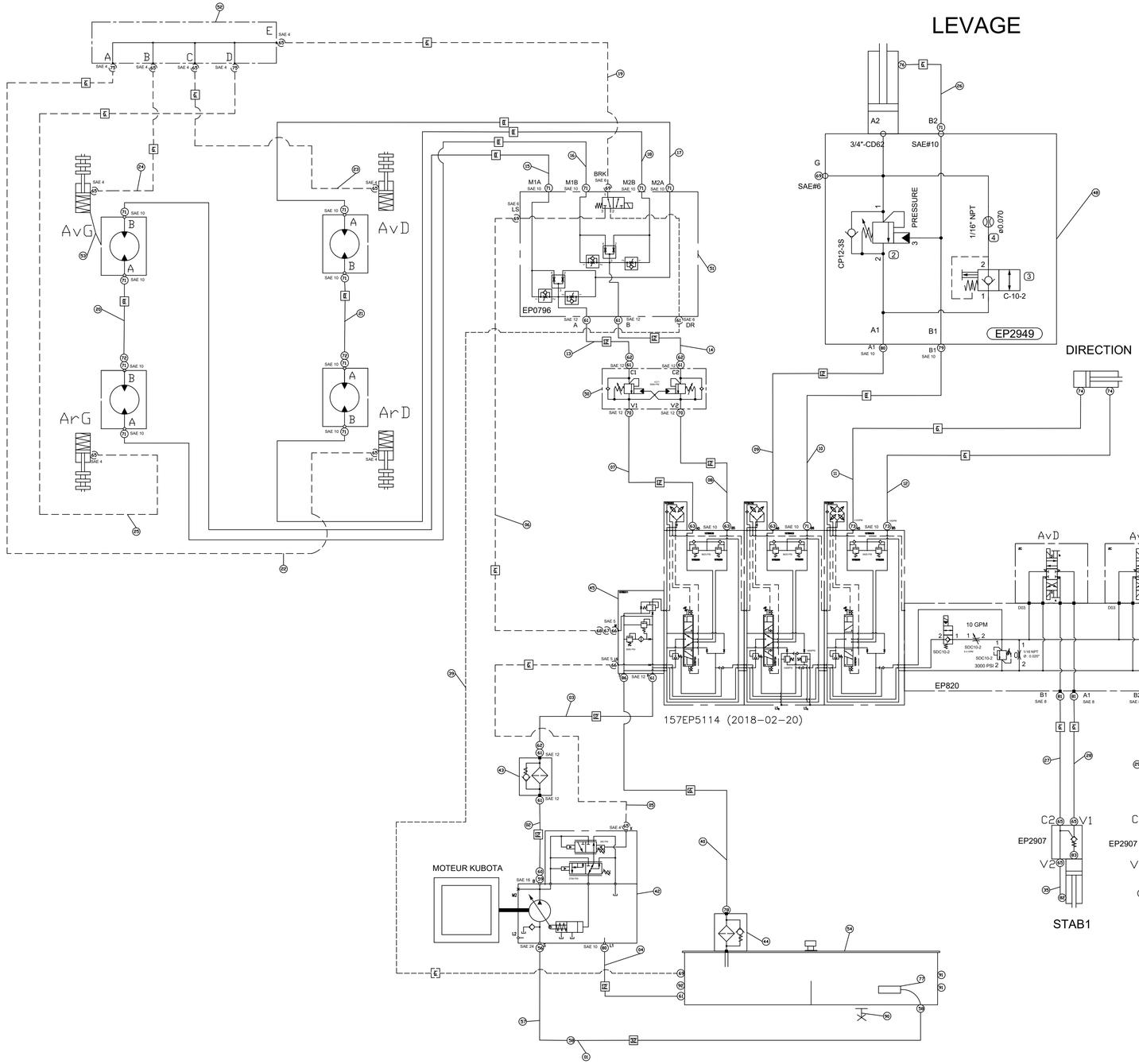
Adresse : _____

_____

Téléphone _____

Signature : _____ Date de Livraison : _____

LEVAGE



92	CHA 3825417C	Chauffe Huile 1/2NPT 300W	1
91	FIL P562423	Regard Rond Plastique SAE08	2
90	MC4835K28	BOUCHON ORB 12	1
89	PH26-850-0042	DRAIN RETOUR DESCENTE D'URGENCE	1
86	G60301-1216	ADAPTATEUR DROIT O'ring Boss 12-JIC 16 MALE	1
83	MC9452K22	O'RING 2-110 BUNA-N 70A DURO	4
82	G60499-0606	ADAPTATEUR COUDE 90° 3/8NPT MALE-JIC 06 MALE	4
81	G60301-0806	ADAPTATEUR DROIT O'ring Boss 08-JIC 06 MALE	8
80	G60312-1012	ADAPTATEUR COUDE 90° O'ring Boss 10 SWIVEL-JIC 12 MALE	2
79	G60312-1008	ADAPTATEUR COUDE 90° O'ring Boss 10 SWIVEL-JIC 08 MALE	1
78	G60312-2016	ADAPTATEUR COUDE 90° O'ring Boss 20 SWIVEL-JIC 16 MALE	1
77	FIL MPFSTR-140-3	CREPINE 2" NPT 304MESH MPF STR-140-3-B-G2-M50	1
76	G60499-0806	ADAPTATEUR COUDE 90° 3/8NPT MALE-JIC 08 MALE	1
75	G60312-0406	ADAPTATEUR COUDE 90° O'ring Boss 04 SWIVEL-JIC 06 MALE	2
74	G60499-0604	ADAPTATEUR COUDE 90° 1/4NPT MALE-JIC 06 MALE	1
73	G60301-1006	ADAPTATEUR DROIT O'ring Boss 10-JIC 06 MALE	2
72	G60422-0808	ADAPTATEUR COUDE 90° JIC 08 FEM-JIC 08 MALE	2
71	G60301-1008	ADAPTATEUR DROIT O'ring Boss 10-JIC 08 MALE	14
70	G60312-1212	ADAPTATEUR COUDE 90° O'ring Boss 12 SWIVEL-JIC 12 MALE	2
69	G60301-0606	ADAPTATEUR DROIT O'ring Boss 06-JIC 06 MALE	4
68	G60422-0606	ADAPTATEUR COUDE 90° JIC 06 FEM-JIC 06 MALE	1
67	HSP1040-6MV	TEST PRESSURE POINT JIC 06 MALE - JIC 06 FEM	1
66	G60301-0506	ADAPTATEUR DROIT O'ring Boss 05-JIC 06 MALE	2
65	G60301-0406	ADAPTATEUR DROIT O'ring Boss 04-JIC 06 MALE	20
64	G60499-1212	ADAPTATEUR COUDE 90° 3/4NPT MALE-JIC 12 MALE	1
63	G60301-1012	ADAPTATEUR DROIT O'ring Boss 10-JIC 12 MALE	3
62	G60422-1212	ADAPTATEUR COUDE 90° JIC 12 FEM-JIC 12 MALE	1
61	G60301-1212	ADAPTATEUR DROIT O'ring Boss 12-JIC 12 MALE	8
60	G60424-1212	ADAPTATEUR COUDE 45° JIC 12 FEM-JIC 12 MALE	3
59	G60301-1612	ADAPTATEUR DROIT O'ring Boss 16-JIC 12 MALE	2
58	MIKALDR-63-68	COLLIER MIKALDR SUPRA 63-68mm	1
57	PH26-016-0053revA	CONDUITE RIGIDE SUCCION 2PO	1
56	24-VSDX-S	ADAPTATEUR ANGLE 45° O'Ring Boss 24-JIC 24 MALE	1
55	CBEG-L_IN T-2A S2	CONTRE-BALANCE 4.54 à 3500PSI	2
54	PH26-013-0002revD	RESERVOIR HYDRAULIQUE	1
53	PH26-016-0024revB	ENSEMBLE MOTEUR HYDRAULIQUE-FREIN-PLANETAIRE	4
52	AH0004065revD	HEADER POUR FREIN HYDRAULIQUE	1
51	EP0796	BLOC HYDRAULIQUE TRACTION	1
50	PH26-085-0008revC	BLOC CONTRE-BALANCE TRACTION	1
49	PH26-030-0002revB	CYLINDRE DE LEVAGE	1
48	EP2949	BLOC HYDRAULIQUE DE LEVAGE	1
47	ACPL-008-0011revA	STABILISATEUR	4
46	EP2970	BLOC HYDRAULIQUE STABILISATEUR	4
45	157EP5030	BLOC HYDRAULIQUE PRINCIPALE	1
44	FIL MPF181-1	FILTRE MPF 181_1_A_G7_A10_H_B	1
43	PH26-085-0003revA	ASS. FILTRE HAUTE PRESSION	1
42	PH26-085-0010revA	Assemblage Pompe + engrenage	1
41	PH26-850-0041	FILTRE RETOUR S-RESERVOIR GROS	1
40	PH26-850-0040	BLOC Tank-FILTRE RETOUR E	1
39	PH26-850-0039	TRACTION Drain-RESERVOIR Drain	1
38	PH26-850-0038	STAB ArD-CYL V2	1
37	PH26-850-0037	STAB ArG-CYL V2	1
36	PH26-850-0036	STAB AvG-CYL V2	1
35	PH26-850-0035	STAB AvD-CYL V2	1
34	PH26-850-0034	BLOC A4-STAB ArD V1	1
33	PH26-850-0033	BLOC B4-STAB ArD C2	1
32	PH26-850-0032	BLOC A3-STAB ArG V1	1
31	PH26-850-0031	BLOC B3-STAB ArG C2	1
30	PH26-850-0030	BLOC A2-STAB AvG V1	1
29	PH26-850-0029	BLOC B2-STAB AvG C2	1
28	PH26-850-0028	BLOC A1-STAB AvD V1	1
27	PH26-850-0027	BLOC B1-STAB AvD C2	1
26	PH26-850-0026	CYLINDRE LEVAGE-PISTON-TIGE	1
25	PH26-850-0025	DIST BRK B-FREIN ArG	1
24	PH26-850-0024	DIST BRK D-FREIN AvG	1
23	PH26-850-0023	DIST BRK C-FREIN AvD	1
22	PH26-850-0022	DIST BRK A-FREIN ArD	1
21	PH26-850-0021	Mot AvD S-Mot ArD E	1
20	PH26-850-0020	Mot AvG E-Mot ArG S	1
19	PH26-850-0019	TRACTION BRK-DIST BRK E	1
18	PH26-850-0018	Mot ArD S-TRACTION M2B	1
17	PH26-850-0017	Mot AvD E-TRACTION M2A	1
16	PH26-850-0016	Mot AvG S-TRACTION M1B	1
15	PH26-850-0015	Mot ArG E-TRACTION M1A	1
14	PH26-850-0014	ContreBalance C2-TRACTION B	1
13	PH26-850-0013	ContreBalance C1-TRACTION A	1
12	PH26-850-0012	BLOC B7-DIRECTION TIGE	1
11	PH26-850-0011	BLOC A7-DIRECTION PISTON	1
10	PH26-850-0010	BLOC B6-LEVAGE B1	1
9	PH26-850-0009	BLOC A6-LEVAGE A1	1
8	PH26-850-0008	BLOC B5-ContreBalance V2	1
7	PH26-850-0007	BLOC A5-ContreBalance V1	1
6	PH26-850-0006	TRACTION LS-BLOC	1
5	PH26-850-0005	POMPE LS-BLOC	1
4	PH26-850-0004	POMPE RETOUR DE PRESSION VERS TANK	1
3	PH26-850-0003	PRESSION FILTRE-BLOC	1
2	PH26-850-0002	POMPE PRESSION	1
1	PH26-850-0001	BOYAU SUCCION	1
No. ARTICLE	NUMERO DE PIECE	TITRE	QTE

ZONE	REV.	DESCRIPTION	DATE	APPROUVE
	A	PASSAGE À DES VALVES PROPORTIONNELLES SIMILAIRE AU TITAN	2018-05-08	S.M.
	B	REMPLACEMENT DU BLOC DE LEVAGE À PARTIR DE LA MACHINE #000 013 ET CHANGEMENT DU RESERVOIR À PARTIR MACHINE #000 014	2018-09-26	S.M.
		REVISIONS		

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER ± 0.007

Tolérance de plage

Jauge	Tolérance
26 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26

TITRE: SCHÉMA HYDRAULIQUE DU PH26 PROPORTIONNEL

DIMENSION:

MATERIEL:

2018-05-08

PLAFOLIFT International

DWG # NO: PH26-859-0000

REV: C

SCALE: N/A | SHEET 1 OF 1 | DO NOT SCALE DRAWING

PLATEFORME ÉLÉVATRICE MODÈLE PHD26 MARQUE PLAFOLIFT INTERNATIONAL

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Ingénieur - Engineer
Etienne Fauteux
131418
Québec
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
PAGE TITRE

CLIENT
PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

CONÇU PAR: E. DEMERS
DESSINÉ PAR: S. BÉNARD
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
116115.002	021	116115.002-E0	0	1.1

FORMAT B IMPRIMANTE 17"x11"

DESSINS	PAGE	DESCRIPTION 1	DESCRIPTION 2
116115.002-E0	0	PAGE TITRE	
116115.002-E1	1	LISTE DE DESSINS	
116115.002-E2	2	NORMES DE FABRICATION	
116115.002-E10	10	VUE D'ENSEMBLE	
116115.002-E11	11	LISTE DE MATÉRIELS	
116115.002-E12	12	LISTE DE BORNES	
116115.002-E13	13	LISTE DE CÂBLES	
116115.002-E20	20	DIAGRAMME DE CONTRÔLE	COMPARTIMENT MOTEUR
116115.002-E30	30	DIAGRAMME DE CONTRÔLE	CABINET PRINCIPAL
116115.002-E31	31	DIAGRAMME DE CONTRÔLE	CABINET PRINCIPAL
116115.002-E32	32	DIAGRAMME DE CONTRÔLE	CABINET PRINCIPAL
116115.002-E33	33	DIAGRAMME DE CONTRÔLE	CABINET PRINCIPAL
116115.002-E40	40	DIAGRAMME DE CONTRÔLE	CABINET REMOTE
116115.002-E50	50	DIAGRAMME DE CONTRÔLE	BLOCK VALVE 1
116115.002-E60	60	DIAGRAMME DE CONTRÔLE	BLOCK VALVE 2
116115.002-E70	70	DIAGRAMME DE CONTRÔLE	BLOCK VALVE 3
116115.002-E80	80	DIAGRAMME DE CONTRÔLE	BJ1 LIMITE ÉPÉE

FICHIER: 116115.002-E1.DWG PRESENTATION: LAYOUT1
IMPRIMÉ LE: 2018-9-11 ENREGISTRÉ LE : 2018-9-6 DOSSIER: P:\116115.002\200-CONTENU\35-DESSINS\ÉLECTRIQUE\116115.002_PHD26

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1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Etienne Fauteux 131418 QUÉBEC

2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
LISTE DE DESSINS

CLIENT

PLAFOLIFT International®

STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

CONÇU PAR: E. DEMERS
DESSINÉ PAR: S. BÉNARD
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

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116115.002	021	116115.002-E1	1	1.1

FORMAT B IMPRIMANTE 17"x11"

NORMES DE RÉFÉRENCE

- CSA B354.2-01 PLATES-FORMES DE TRAVAIL ÉLÉVATRICES AUTOMOTRICES
- CSA C22.2 N° 14-05 APPAREILLAGE INDUSTRIEL DE COMMANDE
- CSA C22.10-07 CODE DE CONSTRUCTION DU QUÉBEC, CHAPITRE V – ÉLECTRICITÉ

CODE DE CABLAGE

UTILISER LE COURANT ADMISSIBLE DES CONDUCTEURS SELON LA NORME C22.2 No. 14-05 "APPAREILLAGE INDUSTRIEL DE COMMANDE", TABLEAU 3, CONDUCTEURS AVEC ISOLANT 105° C

CALIBRE DES FILS MINIMUN POUR FABRICATION:

CONTROLE VCA (LIGNE) : TEW 18AWG ROUGE 600V 105° C
CONTROLE VCA (NEUTRE) : TEW 18AWG BLANC 600V 105° C
CONTROLE VDC (+) : TEW 18AWG BLEU 600V 105° C
CONTROLE VDC (-) : TEW 18AWG GRIS 600V 105° C
E/S PLC VCA : TEW 18AWG ROUGE 600V 105° C POUR 16 PTS ET MOINS.
E/S PLC VCA : TEW 20AWG ROUGE 600V 105° C POUR PLUS DE 16 PTS.
E/S PLC VDC : TEW 18AWG BLEU 600V 105° C POUR 16 PTS ET MOINS.
E/S PLC VDC : TEW 20AWG BLEU 600V 105° C POUR PLUS DE 16 PTS.
MALT: TEW 14AWG VERT 600V 105° C
PUISSANCE (L1) : TEW 14AWG ROUGE 600V 105° C
PUISSANCE (L2) : TEW 14AWG NOIR 600V 105° C
PUISSANCE (L3) : TEW 14AWG BLEU 600V 105° C

LEGENDE DES CONDUCTEURS:

————	FIL DE PUISSANCE L1 INTERNE
————	FIL DE PUISSANCE L2 INTERNE
————	FIL DE PUISSANCE L3 INTERNE
— — — —	FIL DE PUISSANCE L1 EXTERNE
— — — —	FIL DE PUISSANCE L2 EXTERNE
— — — —	FIL DE PUISSANCE L3 EXTERNE
————	MISE À LA TERRE
————	FIL DE CONTRÔLE 120VAC INTERNE
— — — —	FIL DE CONTRÔLE 120VAC EXTERNE
————	FIL DE NEUTRE INTERNE
— — — —	FIL DE NEUTRE EXTERNE
————	FIL DE CONTRÔLE 24VDC INTERNE
— — — —	FIL DE CONTRÔLE 24VDC EXTERNE
————	FIL DE CONTRÔLE 0VDC INTERNE
— — — —	FIL DE CONTRÔLE 0VDC EXTERNE

LEGENDE DES LOCALISATIONS:

CODE DE COULEUR

BLANC	BC
BLEU	BU
BRUN	BR
GRIS	GR
JAUNE	JN
NOIR	NR
ORANGE	OR
ROUGE	RG
VERT	VT
ROSE	RS
VIOLET	VI

FICHIER: 116115.002-E2.DWG PRÉSENTATION: LAYOUT1
IMPRIMÉ LE: 2018-9-11 ENREGISTRÉ LE : 2018-9-6 DOSSIER: P:\116115.002\200-CONTENU\35-DESSINS\ELECTRIQUE\116115.002_PHD26

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Ingénieur - Engineer
Etienne Fauteux
131418
QUÉBEC
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
NORMES DE FABRICATION

CLIENT
PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

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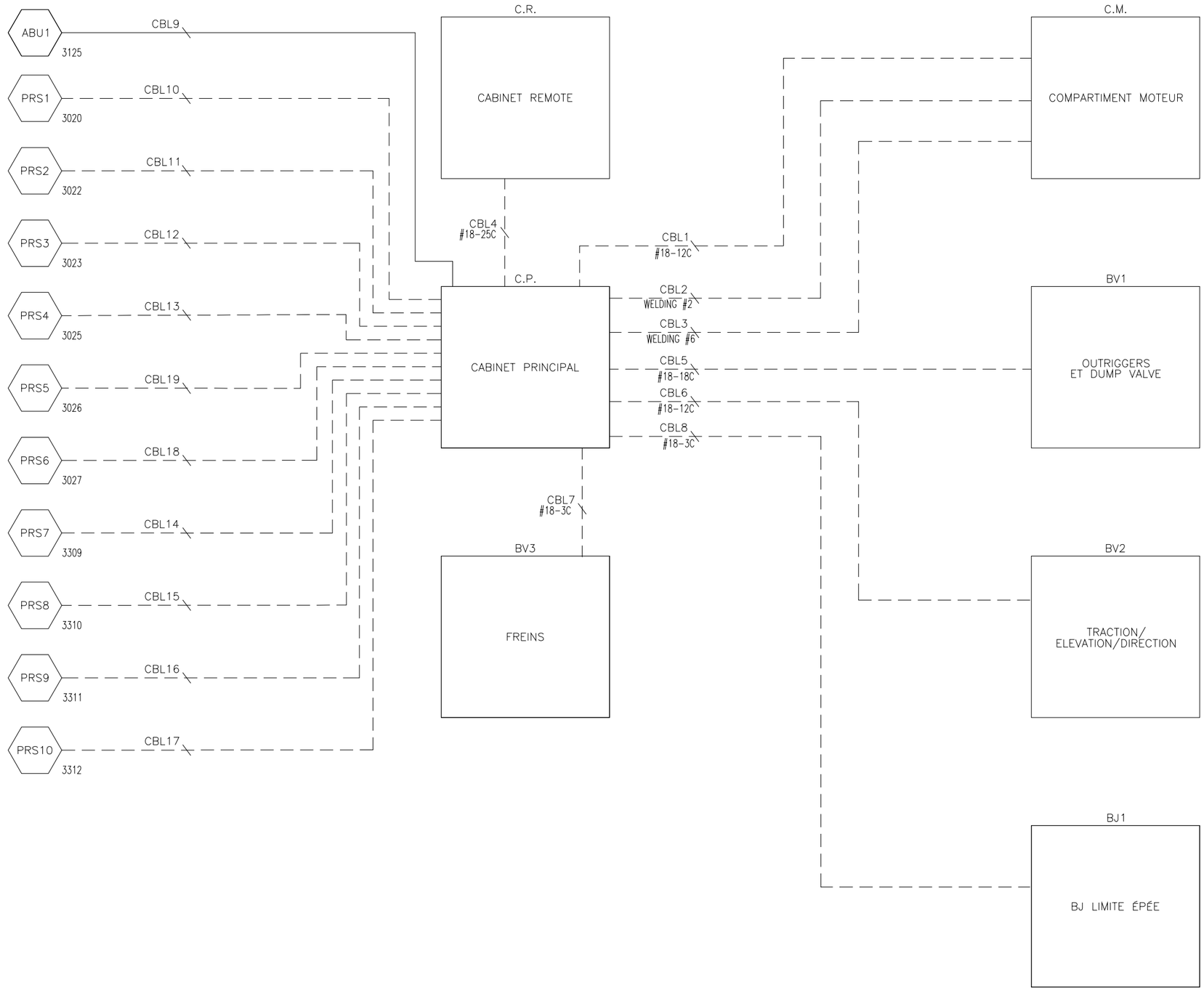
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
116115.002	021	116115.002-E2	2	1.1

FORMAT B IMPRIMANTE 17"x11"



NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Ingénieur - Engineer
Etienne Fauteux
131418
Québec
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
VUE D'ENSEMBLE

CLIENT
PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
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N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
116115.002	021	116115.002-E10	10	1.1

FORMAT B IMPRIMANTE 17"x11"

IDENTIFICATION	NO. DE PIÈCE	DESCRIPTION
ABU1	ST40-4013	avertisseur
AH1	PH26-023-0200	klaxon
BL1	ST40-4020	lumière stroboscopique
BT1	APCL-080-0101	BATTERIE 12V
CBL1	ST10-1014	harnais moteur
CBL2	ST10-1015	harnais moteur
CBL3	ST10-1016	harnais moteur
CBL4	ST10-1017	cable de contrôle haut
CBL5	ST10-1018	cable stabilisateurs
CBL6	ST10-1019	cable traction, élév. Dir.
CBL7	ST10-1020	cable frein
CBL8	ST10-1021	cable bj épée
CBL9	ST10-1022	cable avertisseur
CBL10	ST40-4006	stab. Avant droit haut
CBL11	ST40-4006	stab. Avant gauche haut
CBL12	ST40-4006	stab. Arrière droit haut
CBL13	ST40-4006	stab. Arrière gauche haut
CBL14	ST40-4006	stab. Avant droit en pression
CBL15	ST40-4006	stab. Avant gauche en pression
CBL16	ST40-4006	stab. Arrière droit en pression
CBL17	ST40-4006	stab. Arrière gauche en pression
CBL18	ST40-4006	position basse
CBL19	ST40-4006	rpm moteur
CR1	ST40-4073	relais activation selenoid glowplug
CR2	ST40-4073	relais principal
CR3	ST40-4073	relais d'activation du démarraur
CR4	ST40-4073	relais main acc
CR5	ST40-4073	relais permission de démarrrage
CR6	ST40-4033	relais klaxon
CR6	ST40-4034	base de relais klaxon
DV1	PH26-023-0110	ALTERNATEUR
DV2	ST40-4014	heuromètre
DV3	ST10-1004	convertisseur dc/dc
DV4	ST40-4008	prise usb
EM1	ST10-1001	controleur
EM2	ST10-1003	module d'expension de sortie
EM3	ST10-1013	module d'expension d'entrée
FLT1	ST40-4002	module de relais d'inversion pour actuateur
FS1	ACPL-080-0102	DÉTECTEUR D'INCLINAISON
FU0	ST40-4032	PICO FUSIBLE 125A
	ST40-4031	PICO PORTE FUSIBLE
FU1	ST40-4004	PLUG FUSIBLE 12V
	ST40-4005	FUSIBLE 70 AMPÈRES pour glowplug
FU2	ST40-4068	FUSIBLE 6 A
FU3	ST40-4067	FUSIBLE 5 A
FU4	ST40-4072	FUSIBLE 10 A
FU5	ST40-4069	FUSIBLE 7 A
FU6	ST40-4069	FUSIBLE 7 A
FU7	ST40-4069	FUSIBLE 7 A
FU8	ST40-4069	FUSIBLE 7 A
FU9	ST40-4072	FUSIBLE 10 A
FU10	ST40-4064	FUSIBLE 2 A
FU11	ST40-4064	FUSIBLE 2 A
FU12	ST40-4069	FUSIBLE 7 A
FU13	ST40-4064	FUSIBLE 2 A
FU14	ST40-4064	FUSIBLE 2 A
FU15	ST40-4069	FUSIBLE 7 A
FU16	ST40-4064	FUSIBLE 2 A
FU17	ST40-4069	FUSIBLE 7 A
FU18	ST40-4009	porte fusible pour prise usb
HTR1	PH26-023-0120	GLOWPLUG
JS1	ACPL-022-0100	JOYSTICK
LT1	ACPL-022-0201	LED JAUNE
LT2	ACPL-022-0202	LED ROUGE
LT3	ACPL-022-0201	LED JAUNE
LT4	ACPL-022-0202	LED ROUGE
LT5	ACPL-022-0201	LED JAUNE
LT6	ACPL-022-0203	LED VERT
M1	ST40-4003	selenoid glowplug
MTR1	PH26-023-0100	MOTEUR DIESEL
MTR2	ACPL-080-0100	ACTUATEUR DE RPM
PB1	ST30-3026	PB NO 30MM
	ST30-3027	CONTACT NO POUR 30MM
PBLT1	ST30-3022	boutons arret d'urgence
	ST30-3024	contact nc pour arret d'urgence
	ST30-3025	lumière pour arret d'urgence
PBLT2	ST30-3022	boutons arret d'urgence
	ST30-3024	contact nc pour arret d'urgence
	ST30-3025	lumière pour arret d'urgence
PL1	ST30-3028	PROT. CAOUTCHOUC VERT
PRS1	ST40-4007	interrupteur de proximité
PRS2	ST40-4007	interrupteur de proximité
PRS3	ST40-4007	interrupteur de proximité
PRS4	ST40-4007	interrupteur de proximité
PRS5	ST40-4007	interrupteur de proximité
PRS6	ST40-4007	interrupteur de proximité
PRS7	ST40-4007	interrupteur de proximité
PRS8	ST40-4007	interrupteur de proximité
PRS9	ST40-4007	interrupteur de proximité
PRS10	ST40-4007	interrupteur de proximité
PRS11	ST40-4007	interrupteur de proximité
PRS12	ST40-4007	interrupteur de proximité
PS1	PH26-023-0150	INTERRUPTEUR PRESION D'HUILE
PV1	PH26-085-0101	ACTUATEUR
PV2	PH26-085-0102	VALVE PROPORTIONNELLE
PV3	PH26-085-0102	VALVE PROPORTIONNELLE
SOL1	PH26-023-0140	SELENOID D'ARRET
SOL2	PH26-085-0103	SELENOID
SOL3	PH26-085-0103	SELENOID
SOL4	PH26-085-0103	SELENOID
SOL5	PH26-085-0103	SELENOID
SOL6	PH26-085-0103	SELENOID
SOL7	PH26-085-0103	SELENOID
SOL8	PH26-085-0103	SELENOID
SOL9	PH26-085-0103	SELENOID
SOL10	PH26-085-0104	DUMP VALVE
SOL11	PH26-085-0105	BREAK RELEASE
SS1	PH26-023-0140	SÉLECTEUR À CLÉ
TAS1	PH26-023-0130	SONDE TEMPÉRATURE MOTEUR
TG1	ST50-5003	INTERRUPTEUR MOM ON/OFF
TG2	ST50-5001	INTERRUPTEUR MOM ON/OFF/MON ON
TG3	ST50-5001	INTERRUPTEUR MOM ON/OFF/MON ON
TG4	ST50-5001	INTERRUPTEUR MOM ON/OFF/MON ON
TG5	ST50-5002	INTERRUPTEUR ON/OFF
TG6	ST50-5002	INTERRUPTEUR ON/OFF
TG7	ST50-5001	INTERRUPTEUR MOM ON/OFF/MON ON
TG8	ST50-5001	INTERRUPTEUR MOM ON/OFF/MON ON
TG9	ST50-5001	INTERRUPTEUR MOM ON/OFF/MON ON

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Ingénieur - Engineer
Etienne Fauteux
131418
Québec
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
LISTE DE MATÉRIELS

CLIENT
PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
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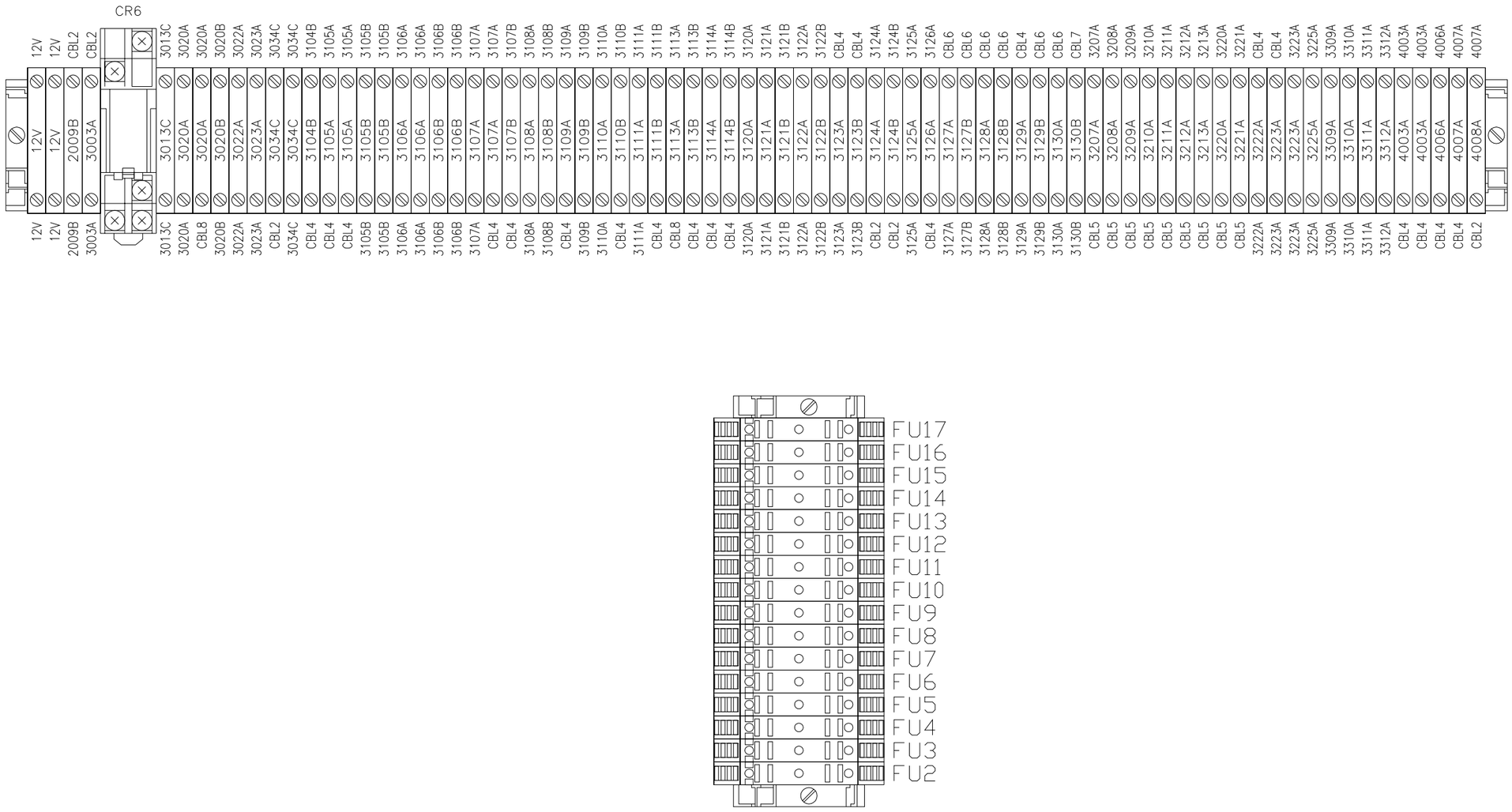
116115.002	021	116115.002-E11	11	1.1

FORMAT B IMPRIMANTE 17"x11"



FICHIER: 116115.002-E12.DWG PRÉSENTATION: LAYOUT1
IMPRIMÉ LE: 2018-9-11 ENREGISTRÉ LE : 2018-9-11 DOSSIER: P:\116115.002\200-CONTENU\35-DESSINS\ÉLECTRIQUE\116115.002_PHD26

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Ingénieur - Engineer
Etienne Fauteux
131418
QUÉBEC
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
LISTE DE BORNES

CLIENT

PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

CONÇU PAR: E. DEMERS
DESSINÉ PAR: S. BÉNARD
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
116115.002	021	116115.002-E12	12	1.1

FORMAT B IMPRIMANTE 17"x11"

Installation: WELDING #2		Localisation:			Repère de câble: CBL1			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL1		12V	FU0			FU1		

Installation: #18-12C		Localisation:			Repère de câble: CBL2			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL2	2	4008A	DV1	L	C.M.	TB1	4008A	C.P.
CBL2	3	3031A	FU14		C.P.	DV1	1G	C.M.
CBL2	4	3034C			(??)	MTR1		C.M.
CBL2	5	3005B	CR6	3		AH1		C.M.
CBL2	6	3124A	TB1	3124A	C.P.	FLT1	5	C.M.
CBL2	7	3124B	TB1	3124B	C.P.	FLT1	6	C.M.
CBL2	9	3033A	FU16		C.P.	PL1		
CBL2	10	3034C	TB1	3034C	C.P.	PL1		
CBL2	11	3029A	FU12		C.P.	FLT1	4	C.M.

Installation: WELDING #6		Localisation:			Repère de câble: CBL3			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL3		2002A	MTR1		C.M.	DV1	1	C.M.

Installation: #18-25C		Localisation:			Repère de câble: CBL4			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL4	1	3106B	TG7		C.R.	TG7		C.R.
CBL4	2	3003A	FU18		C.R.	PBLT2		C.R.
CBL4	3	4003A	PB2			TB1	4003A	C.P.
CBL4	4	3106A	PB1		C.R.	TG5		C.R.
CBL4	5	3105A	TB1	3105A	C.P.	SS1	19	C.R.
CBL4	6	3105B	SS1	ACC	C.R.	LT1		C.R.
CBL4	7	3107A	TB1	3107A	C.P.	SS1	50	C.R.
CBL4	8	3123A	TB1	3123A	C.P.	JS1	J	C.R.
CBL4	9	3110B	TB1	3110B	C.P.	PB1		C.R.
CBL4	10	3107B	TB1	3107B	C.P.	TG5		C.R.
CBL4	11	3109A	TB1	3109A	C.P.	TG6		C.R.
CBL4	12	3123B	TB1	3123B	C.P.	JS1	C	C.R.
CBL4	13	3104B	TB1	3104B	C.P.	JS1	D	C.R.
CBL4	14	3111B	TB1	3111B	C.P.	TG7		C.R.
CBL4	15	3113B	TB1	3113B	C.P.	TG7		C.R.
CBL4	16	3114A	TB1	3114A	C.P.	TG8		C.R.
CBL4	17	3114B	TB1	3114B	C.P.	TG8		C.R.
CBL4	18	3126A	TB1	3126A	C.P.	LT5		C.R.
CBL4	19	3223A	TB1	3223A	C.P.	PBLT2		C.R.
CBL4	20	3222A	TB1	3222A	C.P.	LT4		C.R.
CBL4	21	3129A	TB1	3129A	C.P.	LT6		C.R.
CBL4	22	4006A	LT1		C.R.	TB1	4006A	C.P.
CBL4	23	4007A	LT2		C.R.	TB1	4007A	C.P.
CBL4	24	4008A	LT3		C.R.	TB1	4008A	C.P.
CBL4	VERT	0V12	JS1	-	C.R.	LT4		C.R.

Installation: #18-18C		Localisation:			Repère de câble: CBL5			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL5	2	3209A	TB1	3209A	C.P.	SDL4		BV1
CBL5	4	3210A	TB1	3210A	C.P.	SDL5		BV1
CBL5	5	0V12	PV3	3	BV2	SDL2		BV1
CBL5	6	3207A	TB1	3207A	C.P.	SDL2		BV1
CBL5	8	3208A	TB1	3208A	C.P.	SDL3		BV1
CBL5	10	3213A	TB1	3213A	C.P.	SDL8		BV1
CBL5	12	3220A	TB1	3220A	C.P.	SDL9		BV1
CBL5	14	3211A	TB1	3211A	C.P.	SDL6		BV1
CBL5	16	3212A	TB1	3212A	C.P.	SDL7		BV1
CBL5	17	3221A	TB1	3221A	C.P.	SDL10		BV1

Installation: #18-12C		Localisation:			Repère de câble: CBL6			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL6	1	0V12	PRS12		BJ1	PV1	3	BV2
CBL6	2	3128B	TB1	3128B	C.P.	PV3	1	BV2
CBL6	3	3127B	TB1	3127B	C.P.	PV3	4	BV2
CBL6	5	3128A	TB1	3128A	C.P.	PV2	1	BV2
CBL6	6	3127A	TB1	3127A	C.P.	PV2	4	BV2
CBL6	8	3129B	TB1	3129B	C.P.	PV1	1	BV2
CBL6	10	3130A	TB1	3130A	C.P.	PV1	4	BV2

Installation: #18-3C		Localisation:			Repère de câble: CBL7			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL7	1	0V12	PRS6			SDL11		BV3
CBL7	2	3130B	TB1	3130B	C.P.	SDL11		BV3

Installation: #18-3C		Localisation:			Repère de câble: CBL8			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL8	1	3113A	TB1	3113A	C.P.	PRS12	NR	BJ1
CBL8	2	3020A	TB1	3020A	C.P.	PRS11	BR	BJ1
CBL8	VERT	0V12	EM3	C1-P1	C.P.	PRS11		BJ1

Installation: PREMOULER		Localisation:			Repère de câble: CBL9			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL9		3125A	TB1	3125A	C.P.	ABU1	2	C.P.
CBL9		0V12	EM1	C1-P1	C.P.	ABU1	1	C.P.

Installation: PREMOULER		Localisation:			Repère de câble: CBL10			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL10	NR	3020B	PRS1			TB1	3020B	C.P.
CBL10	BU	0V12			(??)	PRS1		
CBL10	BR	3020A	TB1	3020A	C.P.	PRS1		

Installation: PREMOULER		Localisation:			Repère de câble: CBL11			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL11	BR	3020B	TB1	3020B	C.P.	PRS2		
CBL11	BU	0V12	PRS1			PRS2		
CBL11	NR	3022A	PRS2			TB1	3022A	C.P.

Installation: PREMOULER		Localisation:			Repère de câble: CBL12			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL12	NR	3023A	PRS3			TB1	3023A	C.P.
CBL12	BU	0V12	PRS2			PRS3		
CBL12	BR	3022A	TB1	3022A	C.P.	PRS3		

Installation: PREMOULER		Localisation:			Repère de câble: CBL13			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL13	BR	3023A	TB1	3023A	C.P.	PRS4		
CBL13	BU	0V12	PRS3			PRS4		
CBL13	NR	3110A	TB1	3110A	C.P.	PRS4		

Installation: PREMOULER		Localisation:			Repère de câble: CBL14			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL14	NR	3309A	PRS7			TB1	3309A	C.P.
CBL14	BU	0V12	CR6	5		PRS7		
CBL14	BR	3225A	TB1	3225A	C.P.	PRS7		

Installation: PREMOULER		Localisation:			Repère de câble: CBL15			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL15	BR	3225A	PRS7			PRS8		
CBL15	BU	0V12	PRS7			PRS8		
CBL15	NR	3310A	PRS8			TB1	3310A	C.P.

Installation: PREMOULER		Localisation:			Repère de câble: CBL16			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL16	NR	3311A	PRS9			TB1	3311A	C.P.
CBL16	BU	0V12	PRS8			PRS9		
CBL16	BR	3225A	PRS8			PRS9		

Installation: PREMOULER		Localisation:			Repère de câble: CBL17			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL17	BR	3225A	PRS9			PRS10		
CBL17	BU	0V12	PRS9			PRS10		
CBL17	NR	3312A	PRS10			TB1	3312A	C.P.

Installation: PREMOULER		Localisation:			Repère de câble: CBL18			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL18	NR	3109B	TB1	3109B	C.P.	PRS6		
CBL18	BU	0V12	PRS5			PRS6		
CBL18	BR	3020A	PRS5			PRS6		

Installation: PREMOULER		Localisation:			Repère de câble: CBL19			
CABLE	CFCABLE	NUMEQUIP	CMP1	BROCHE1	LOC1	CMP2	BROCHE2	LOC2
CBL19	BR	3020A	TB1	3020A	C.P.	PRS5		
CBL19	BU	0V12	PRS4			PRS5		
CBL19	NR	3122B	TB1	3122B	C.P.	PRS5		

FICHIER: 116115.002-E13.DWG PRÉSENTATION: LAYOUT1
IMPRIMÉ LE: 2018-9-11 ENREGISTRÉ LE : 2018-9-6 DOSSIER: P:\116115.002\200-CONTENU\35-DESSINS\ÉLECTRIQUE\116115.002_PHD26

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
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0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Ingénieur - Engineer
Etienne Fauteux
131418
Québec

2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
LISTE DE CÂBLES

CLIENT

PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO
Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

CONÇU PAR: E. DEMERS
DESSINÉ PAR: S. BÉNARD
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
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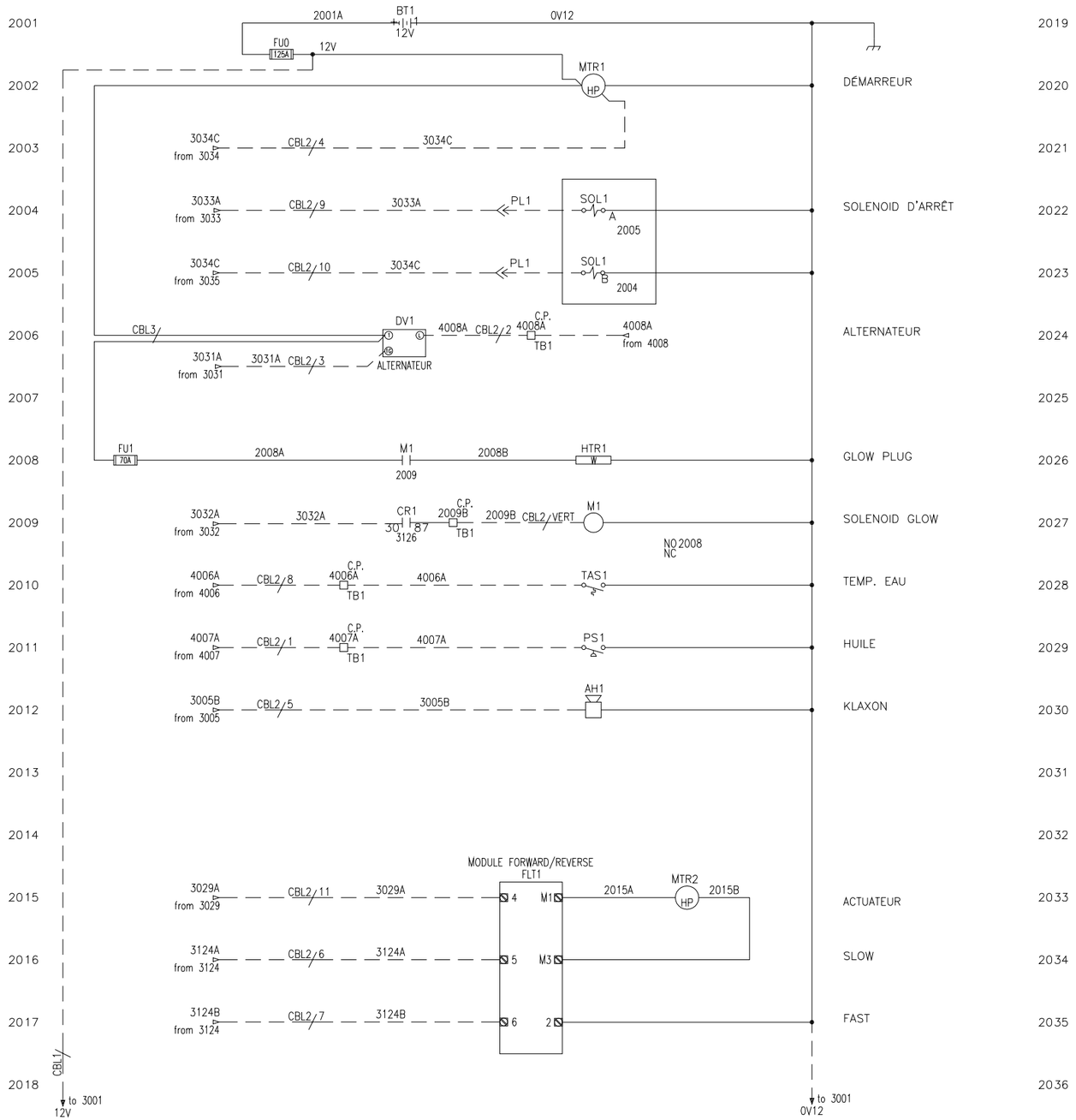

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NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
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0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Etienne Fauteux 131418 QUÉBEC
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
DIAGRAMME DE CONTRÔLE
COMPARTIMENT MOTEUR

CLIENT
PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

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DATE: 2018-04-24

N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
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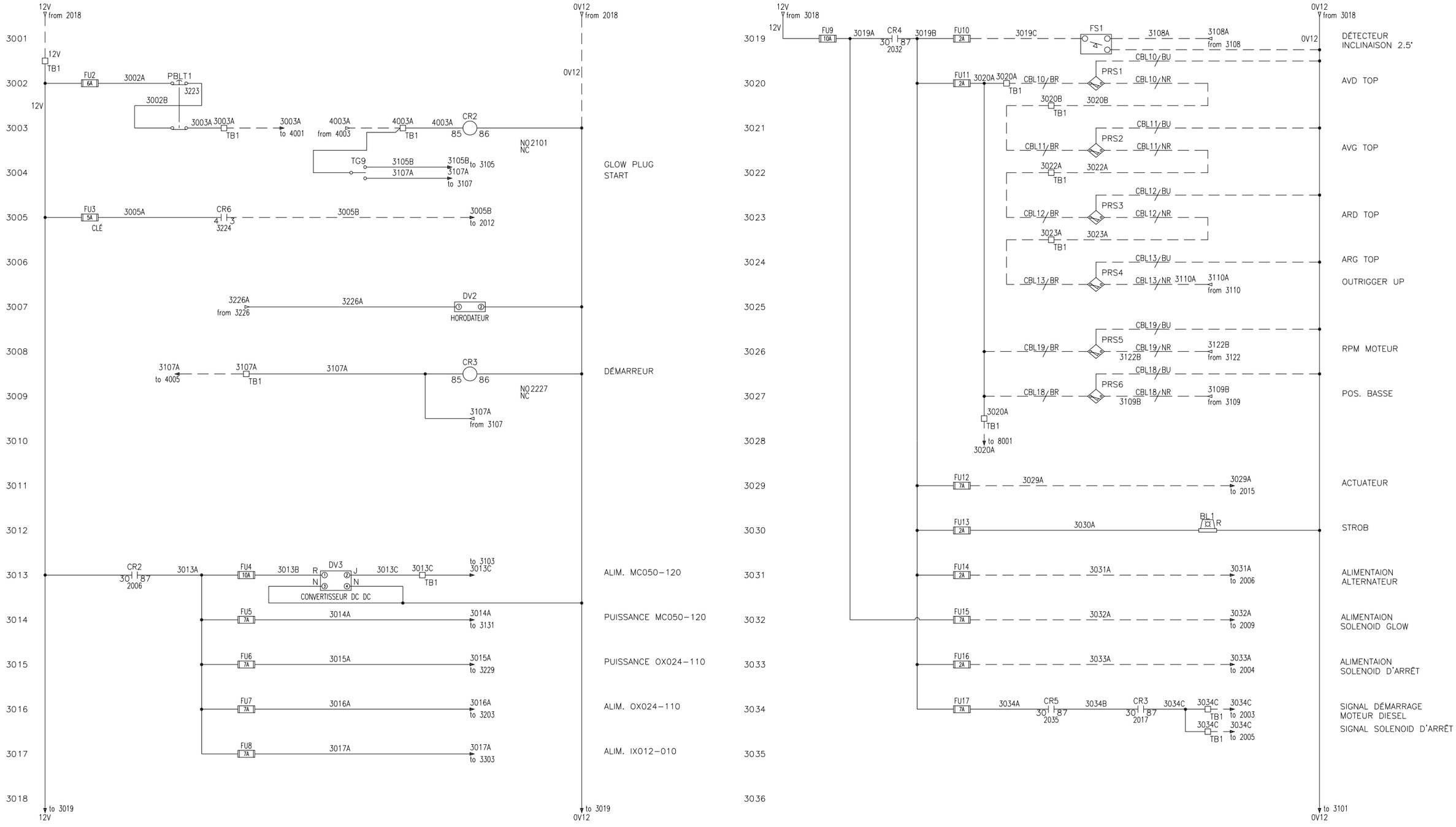

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NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
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0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Etienne Fauteux 131418 QUÉBEC
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
DIAGRAMME DE CONTRÔLE
CABINET PRINCIPAL

CLIENT
PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO
Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

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N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
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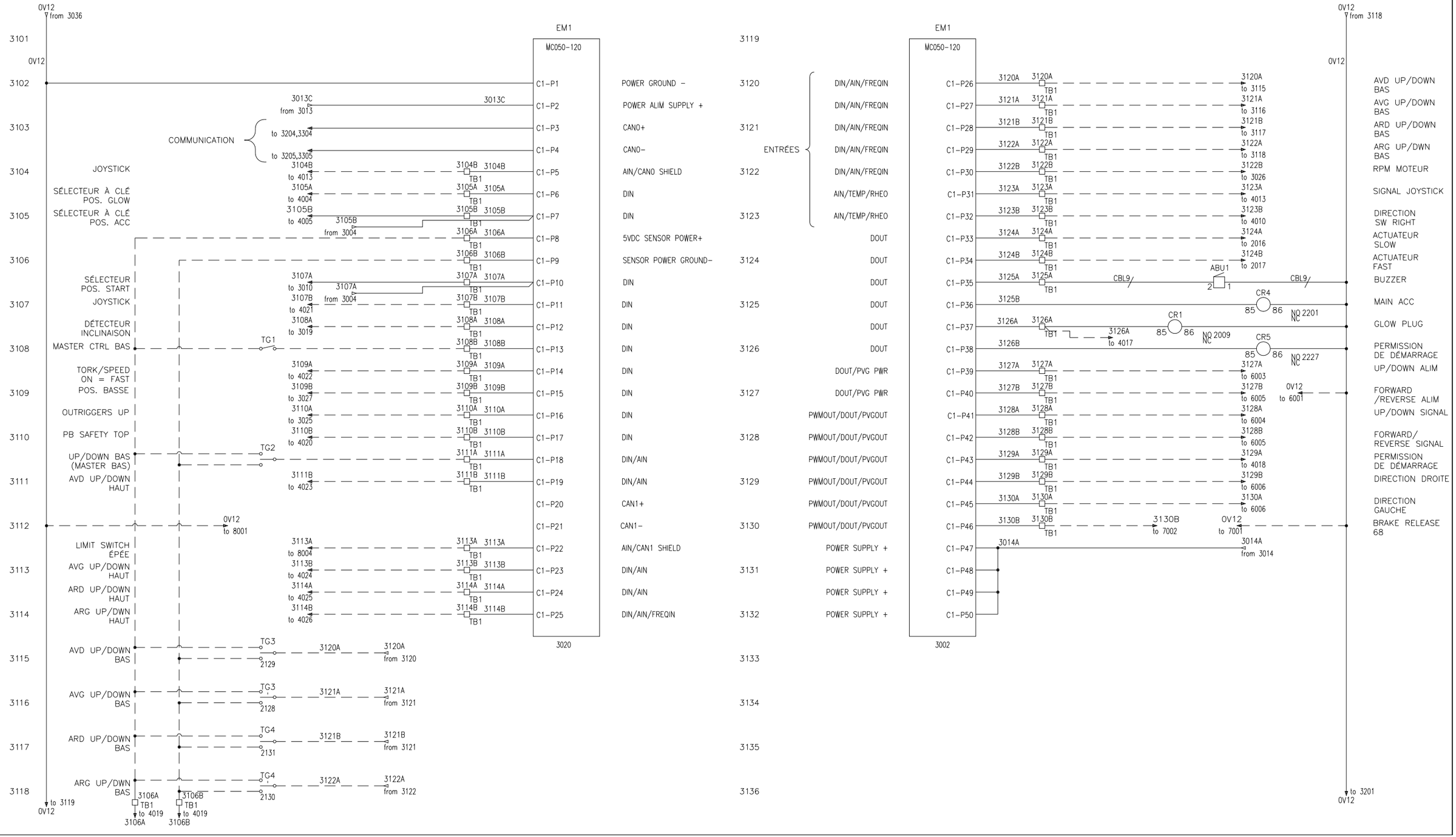

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IMPRIMÉ LE: 2018-9-11 ENREGISTRÉ LE : 2018-9-11

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Etienne Fauteux 131418 QUÉBEC — 2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
DIAGRAMME DE CONTRÔLE
CABINET PRINCIPAL

CLIENT

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Sherbrooke (Québec)
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N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
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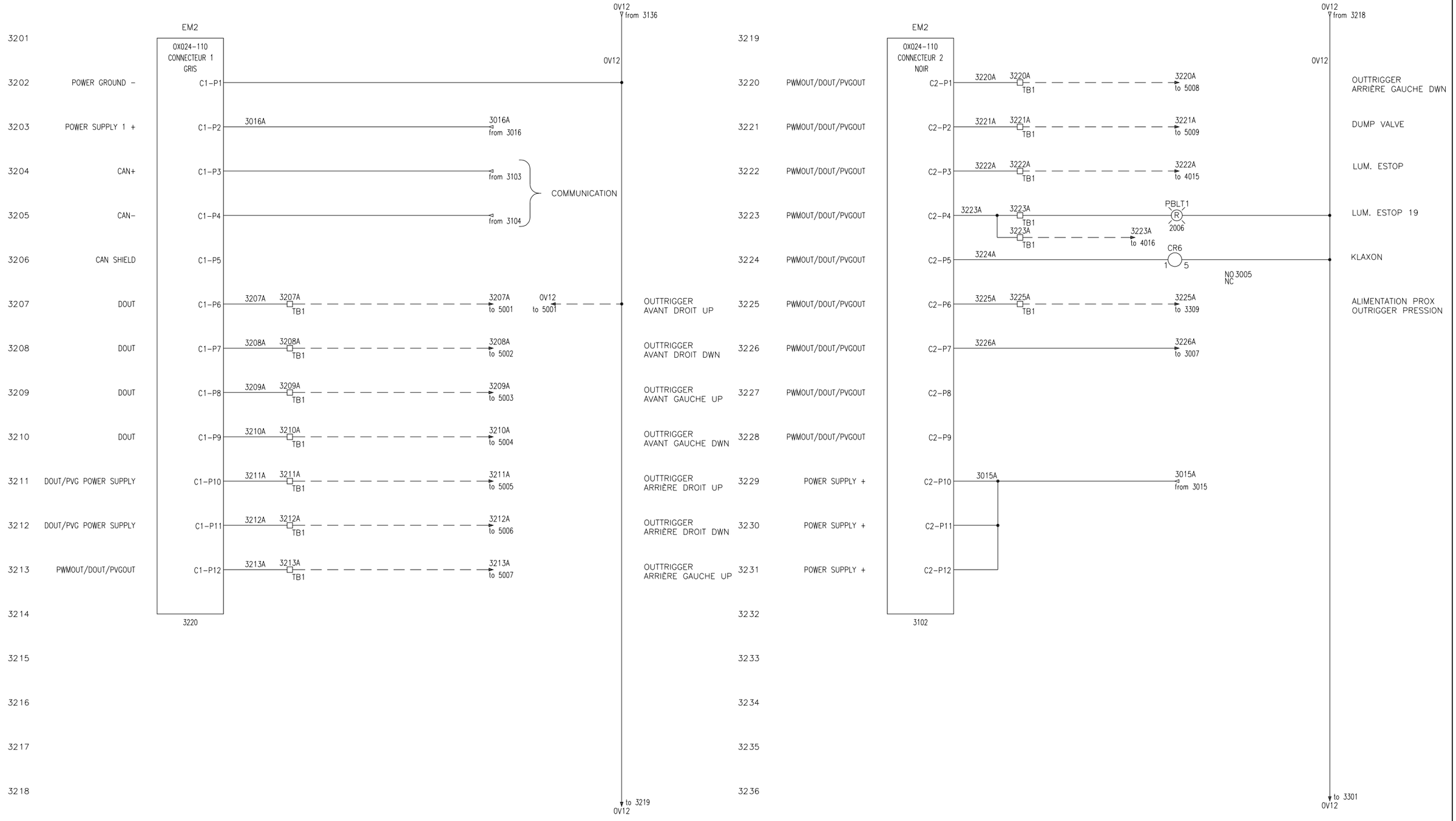

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NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Etienne Fauteux 131418 QUÉBEC

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PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
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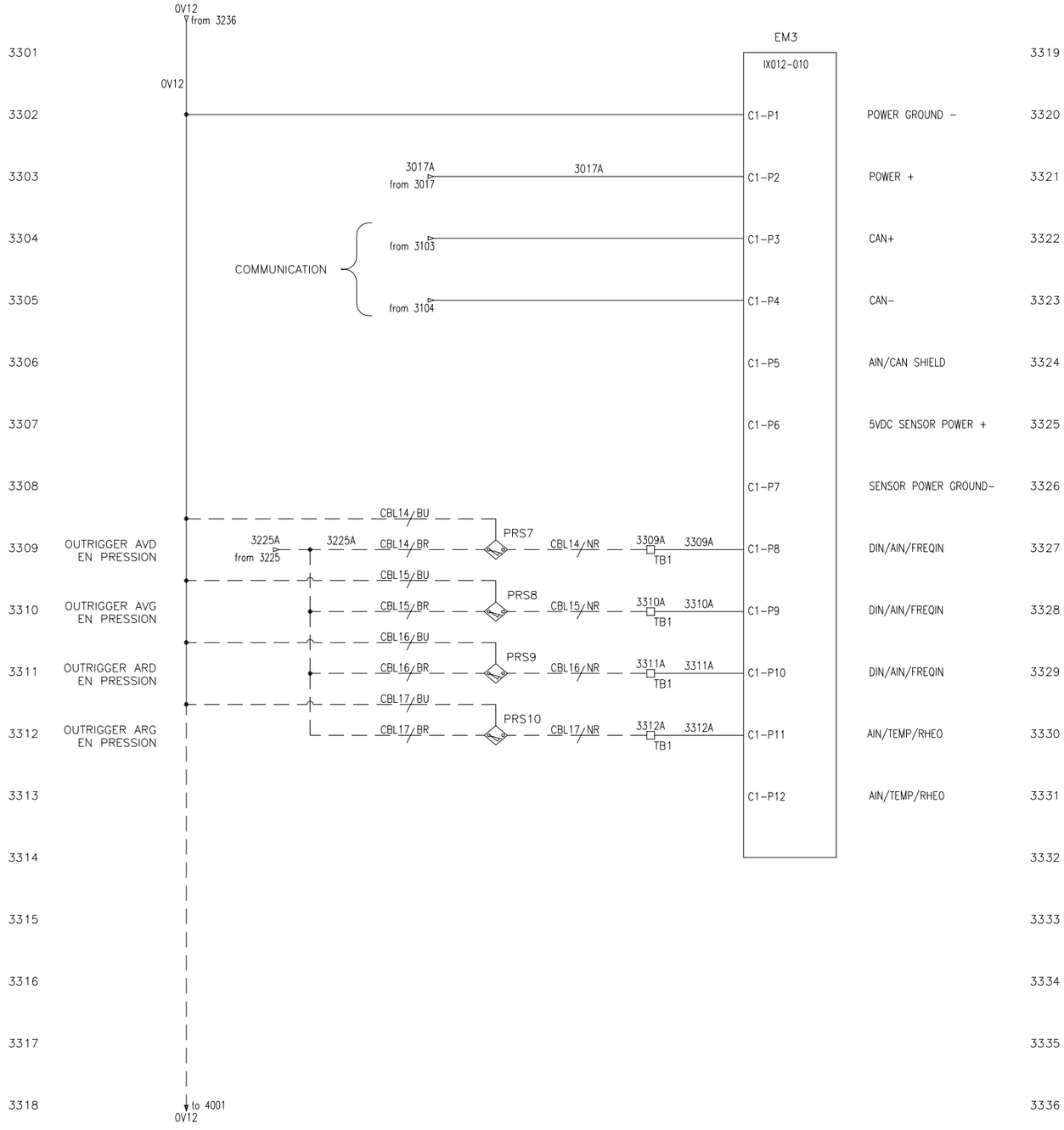

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0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

POUR FABRICATION

Ingénieur - Engineer
Etienne Fauteux
131418
Québec

2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
DIAGRAMME DE CONTRÔLE
CABINET PRINCIPAL

CLIENT

PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

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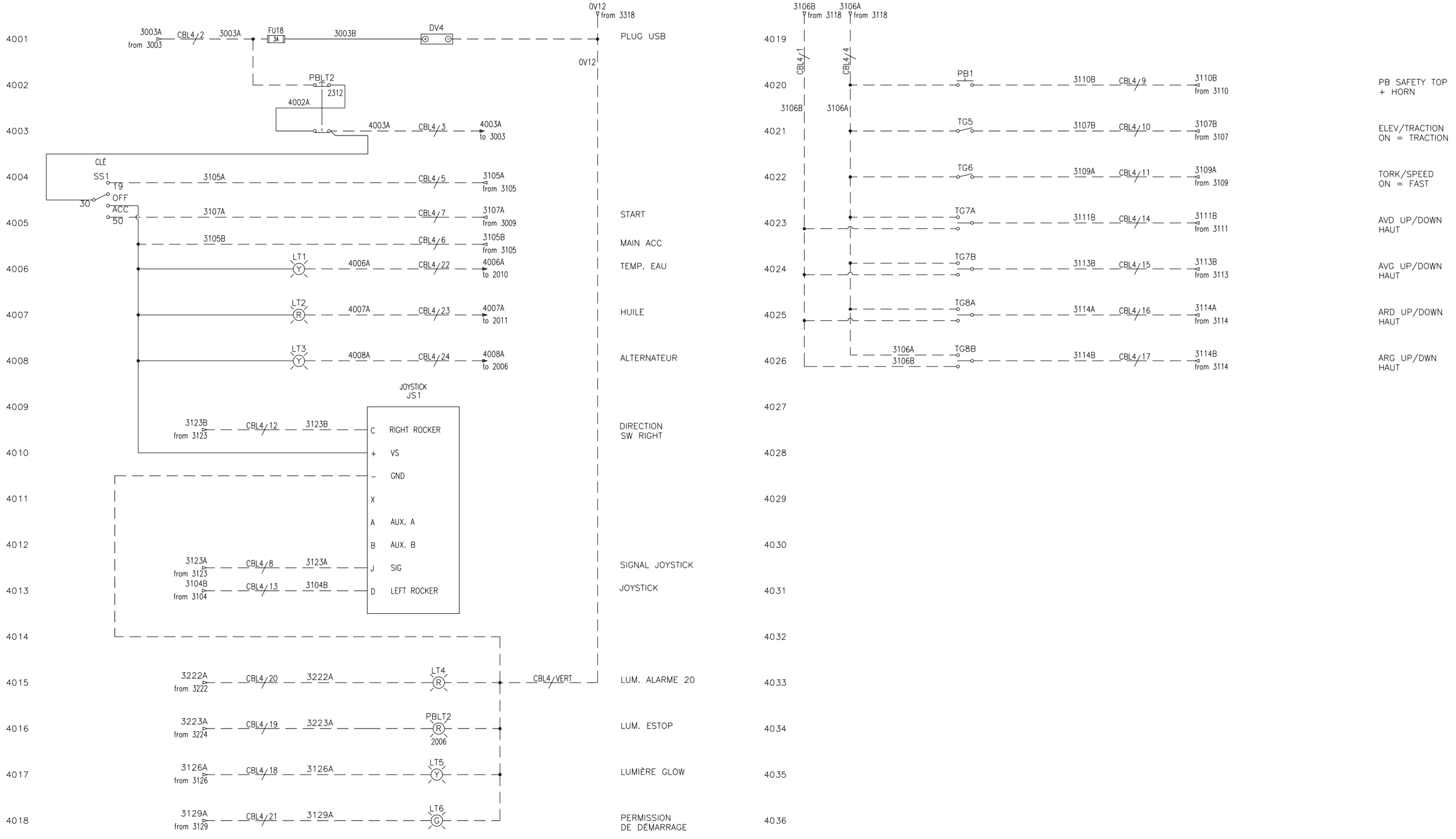

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IMPRIMÉ LE: 2018-9-11 ENREGISTRÉ LE: 2018-9-11 DOSSIER: P:\116115.002\200-CONTENU\35-DESSINS\ÉLECTRIQUE\116115.002_PHD26

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Etienne Fauteux 131418 QUÉBEC
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
DIAGRAMME DE CONTRÔLE
CABINET REMOTE

CLIENT
PLAFOLIFT International®
STIGMA Maintenance Industrielle

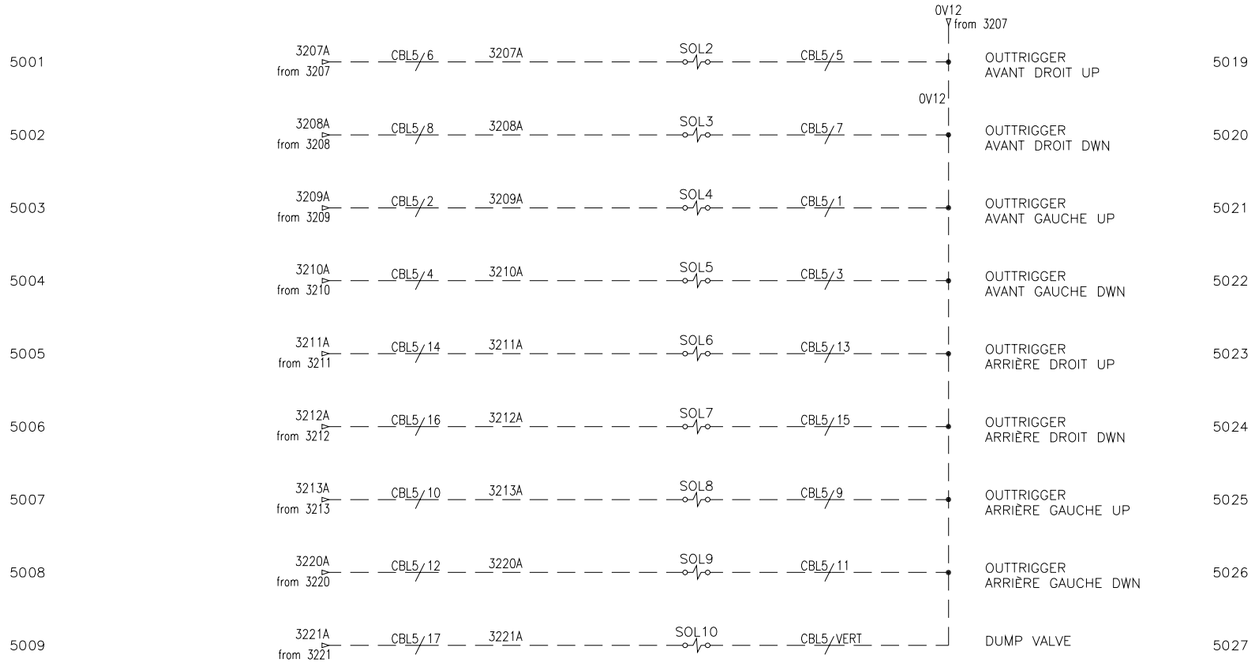
NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

CONÇU PAR: E. DEMERS
DESSINÉ PAR: S. BÉNARD
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
116115.002	021	116115.002-E40	40	1.1

FORMAT B IMPRIMANTE 17"x11"

DISPONIBLE POUR USAGE FUTUR



NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Etienne Fauteux 131418 QUÉBEC
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
DIAGRAMME DE CONTRÔLE
BLOCK VALVE 1

CLIENT

PLAFOLIFT International®
STIGMA Maintenance Industrielle

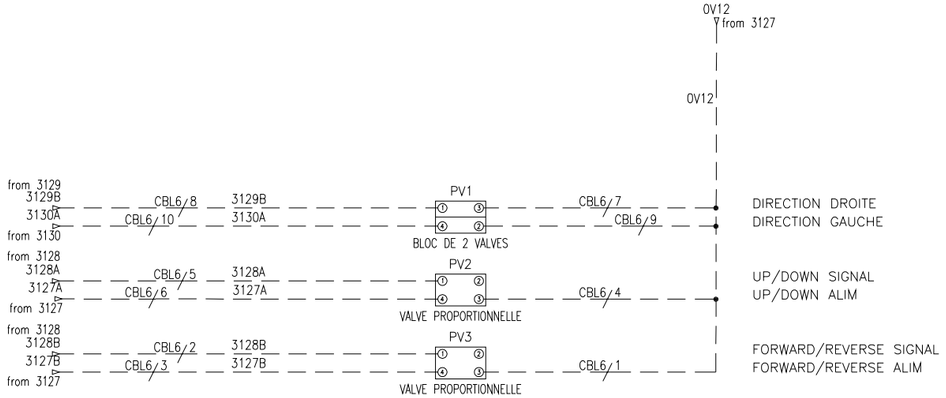
NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

CONÇU PAR: E. DEMERS
DESSINÉ PAR: S. BÉNARD
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
116115.002	021	116115.002-E50	50	1.1

FORMAT B IMPRIMANTE 17"x11"

DISPONIBLE POUR USAGE FUTUR



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6019 6020 6021 6022 6023 6024 6025 6026 6027 6028 6029 6030 6031 6032 6033 6034 6035 6036

FICHIER: 116115.002-E60.DWG PRÉSENTATION: LAYOUT1
IMPRIMÉ LE: 2018-9-11 ENREGISTRÉ LE: 2018-9-6 DOSSIER: P:\116115.002\200-CONTENU\35-DESSINS\ÉLECTRIQUE\116115.002_PHD26

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Etienne Fauteux 131418 QUÉBEC
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
DIAGRAMME DE CONTRÔLE
BLOCK VALVE 2

CLIENT
PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

CONÇU PAR: E. DEMERS
DESSINÉ PAR: S. BÉNARD
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
116115.002	021	116115.002-E60	60	1.1

FORMAT B IMPRIMANTE 17"x11"

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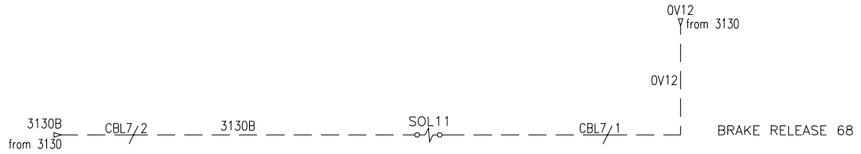


7001				7019	
7002				7020	
7003				7021	
7004				7022	
7005				7023	
7006				7024	
7007				7025	
7008				7026	
7009				7027	
7010				7028	
7011				7029	
7012				7030	
7013				7031	
7014				7032	
7015				7033	
7016				7034	
7017				7035	
7018				7036	

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Ingénieur - Engineer
Etienne Fauteux
131418
Québec
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
DIAGRAMME DE CONTRÔLE
BLOCK VALVE 3

CLIENT

PLAFOLIFT International®
STIGMA Maintenance Industrielle

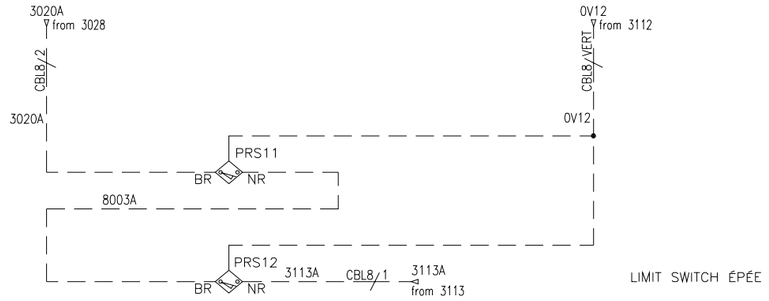
NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

CONÇU PAR: E. DEMERS
DESSINÉ PAR: S. BÉNARD
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
116115.002	021	116115.002-E70	70	1.1

FORMAT B IMPRIMANTE 17"x11"

DISPONIBLE POUR USAGE FUTUR



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8019 8020 8021 8022 8023 8024 8025 8026 8027 8028 8029 8030 8031 8032 8033 8034 8035 8036

NO	DATE	RÉVISIONS	PAR	APP.	VÉR.
1.0	18-05-24	POUR FABRICATION	S.B.	E.D.	E.F.
0.0	18-04-24	POUR COORDINATION	S.B.	E.D.	E.F.

:POUR FABRICATION

Ingénieur - Engineer
Etienne Fauteux
131418
Québec
2018-09-12

PROJET

PLATEFORME ÉLÉVATRICE MODÈLE PHD26
DIAGRAMME DE CONTRÔLE
BJ1 LIMITE ÉPÉE

CLIENT

PLAFOLIFT International®
STIGMA Maintenance Industrielle

NORDA STELO Norda Stelo inc.
4140, boul. Portland
Sherbrooke (Québec)
Canada, J1L 2Y4
Téléphone: (819) 569-1009
Télécopieur: (819) 563-6629
norda.com

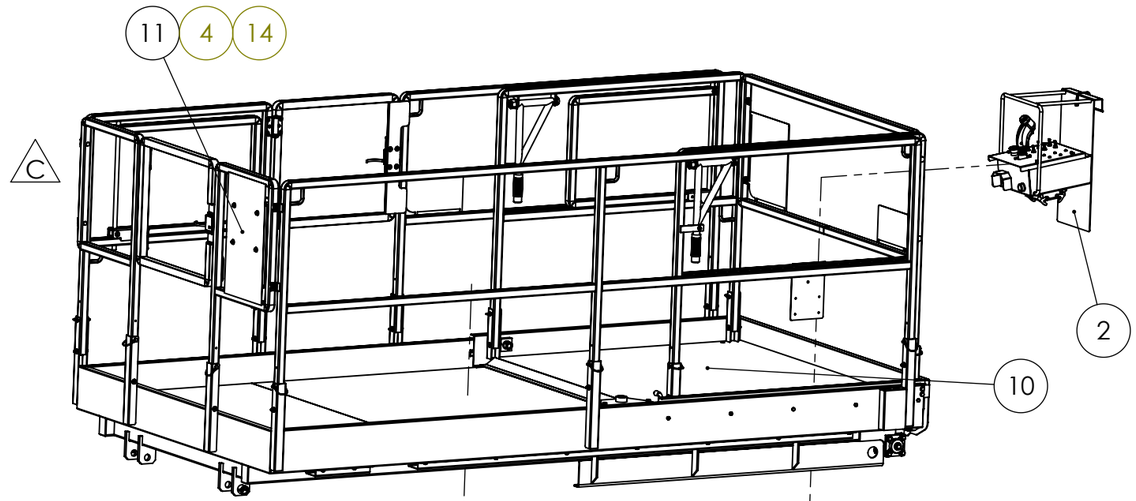
CONÇU PAR: E. DEMERS
DESSINÉ PAR: S. BÉNARD
VÉRIFIÉ PAR: E. FAUTEUX, ING
APPROUVÉ PAR: E. DEMERS
DATE: 2018-04-24

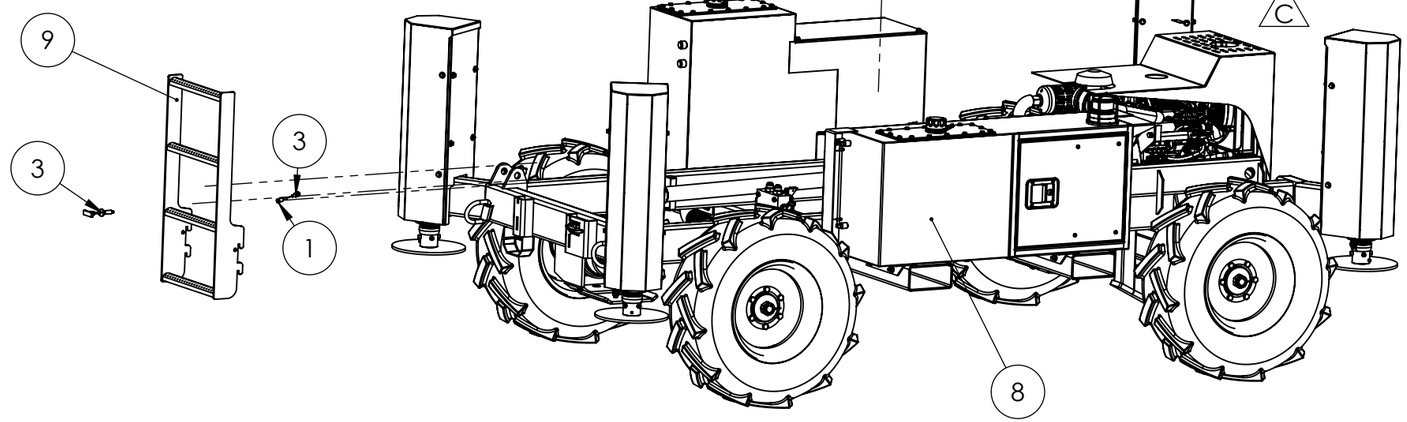
N° PROJET	N° NIVEAU	N° DESSIN	N° PAGE	N° REV.
116115.002	021	116115.002-E80	80	1.1

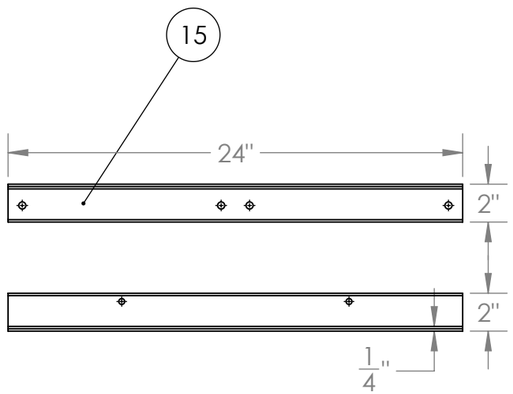
FORMAT B IMPRIMANTE 17"x11"

No. ARTICLE	NUMERO DE PIECE	Révision	DESCRIPTION	Qté
1	PLAFO-18-078	0	ADAPTATEUR POUR ÉCROU TIRETTE D'URGENCE	1
2	ACPL-022-0000	A	BOITIER CONTRÔLE ASS.	1
3	PLAFO-18-079	0	TIRETTE DESCENTE D'URGENCE	1
4	FO-PLAFO-004	0	FORMULAIRE D'INSPECTION PH26 PRODUCTION	1
5*	HUI DIESEL	0	DIESEL (50L)	1
6*	HUI HDXMV22	0	HUILE HYDRAULIQUE TOTAL ESQUIVIS ZS 22 (208L)	1
7	PH26-003-0001	F	KIT DE CISEAUX	1
8	PH26-010-0000	F	BASE ASSEMBLEE	1
9	PH26-016-0040	A	ÉCHELLE	1
10	PH26-050-0000	E	PLATEFORME COMPLÈTE	1
11	PH26-810-0000	0	MANUEL D'UTILISATION	1
12*	PH26-850-KIT-ADAPTATEUR	0	KIT D'ADAPTATEURS HYDRAULIQUES	1
13*	PH26-850-KIT-BOYAUX	0	KIT BOYAUX HYDRAULIQUES	1
14	PH26-859-0000	A	SCHÉMA HYDRAULIQUE	1
15	PH-901-0001	0	ATTACHE POUR MADRIER PLANCHER LATÉRAL	6
16*	PH26-KIT-ELEC	0	Kit Électricité	1
17*	PH26-KIT-STICKERS	0	KIT DE STICKERS	1

** ITEMS NON REPRÉSENTÉS*







REV.	DESCRIPTION	DATE	APPR
C	Nouveau moteur DIsel Kubota D902 Tier 4 - gardes-corps avec porte d'accès	2019-03-14	S.M.
B	NOUVEAU RÉSERVOIR HYDRAULIQUE ET AJOUT D'UNE TIRETTE DE DESCENTE D'URGENCE	2018-08-10	S.M.
A	MODIFICATION GÉNÉRALES	2018-05-25	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage	
Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

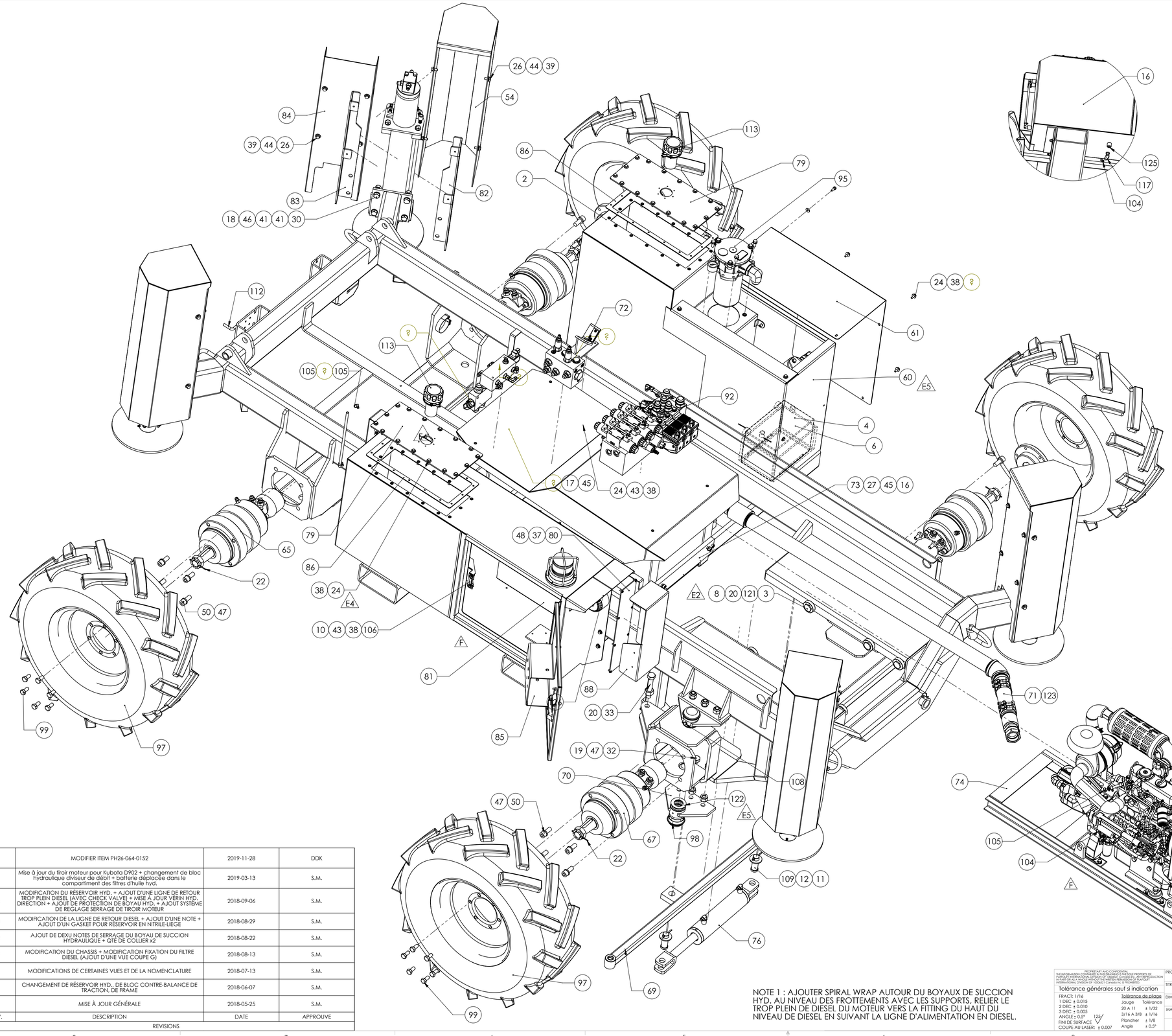
PROJET: PH26
TITRE: Machine Assemblée
DIMENSION:
MATERIEL:
FINITION:
DATE: 2019-03-14

PLAFOLIFT International

DWG. NO. PH26-000-0000
REV C

SCALE: 1:24 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01



F1	MODIFIER ITEM PH26-064-0152	2019-11-28	DDK
F	Mise à jour du tiroir moteur pour Kubota D902 + changement de bloc hydraulique diviseur de débit + batterie déplacée dans le compartiment des filtres d'huile hyd.	2019-03-13	S.M.
E5	MODIFICATION DU RÉSERVOIR HYD. + AJOUT D'UNE LIGNE DE RETOUR TROP PLEIN DIESEL (AVEC CHECK VALVE) + MISE À JOUR VÉRIN HYD. DIRECTION + AJOUT DE PROTECTION DE BOYAU HYD. + AJOUT SYSTÈME DE REGLAGE SERRAGE DE TIROIR MOTEUR	2018-09-06	S.M.
E4	MODIFICATION DE LA LIGNE DE RETOUR DIESEL + AJOUT D'UNE NOTE + AJOUT D'UN GASKET POUR RÉSERVOIR EN NITRILE-LIEGE	2018-08-29	S.M.
E3	AJOUT DE DEXU NOTES DE SERRAGE DU BOYAU DE SUCCION HYDRAULIQUE + QTE DE COLLIER x2	2018-08-22	S.M.
E2	MODIFICATION DU CHASSIS + MODIFICATION FIXATION DU FILTRE DIESEL (AJOUT D'UNE VUE COUPE G)	2018-08-13	S.M.
E1	MODIFICATIONS DE CERTAINES VUES ET DE LA NOMENCLATURE	2018-07-13	S.M.
E	CHANGEMENT DE RÉSERVOIR HYD., DE BLOC CONTRE-BALANCE DE TRACTION, DE FRAME	2018-06-07	S.M.
D	MISE À JOUR GÉNÉRALE	2018-05-25	S.M.
REV.	DESCRIPTION	DATE	APPROUVE
REVISIONS			

NOTE 1 : AJOUTER SPIRAL WRAP AUTOUR DU BOYAUX DE SUCCION HYD. AU NIVEAU DES FROTTEMENTS AVEC LES SUPPORTS, RELIER LE TROP PLEIN DE DIESEL DU MOTEUR VERS LA FITTING DU HAUT DU NIVEAU DE DIESEL EN SUIVANT LA LIGNE D'ALIMENTATION EN DIESEL.

Tolérance générales sauf si indication

FRACT: 1/16		Tolérance de pliage	
1 DEC ± 0.015		Jougue	Tolérance
2 DEC ± 0.010		20 A 11	± 1/32
3 DEC ± 0.005		3/16 A 3/8	± 1/16
ANGLE ± 0.5°	125/	Plancher	± 1/8
FINI DE SURFACE	V	Angle	± 0.5°
COUPE AU LASER: ± 0.007			

PROJET: PH26

TITRE: BASE ASSEMBLÉE

DIMENSION:

MATERIEL:

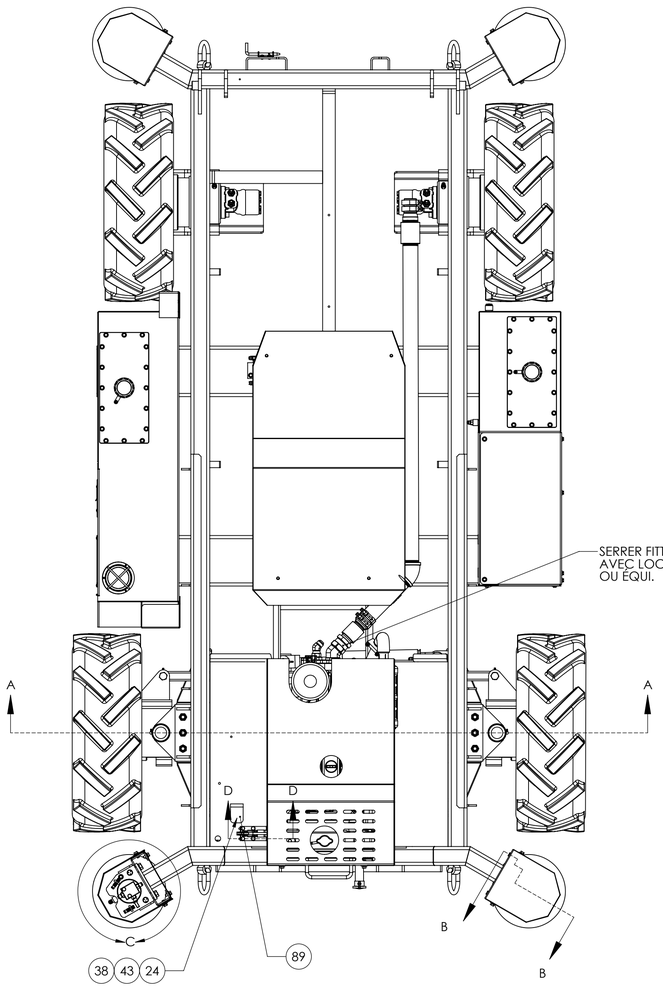
2019-11-28

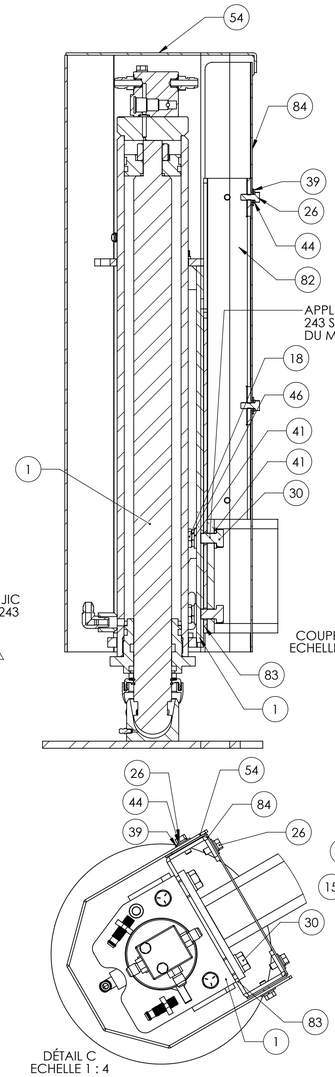
PLAFOLIFT International

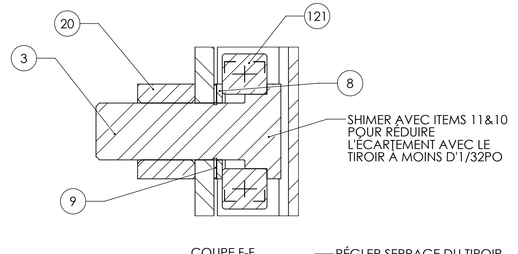
DWG # NO: PH26-010-0000

REV F1

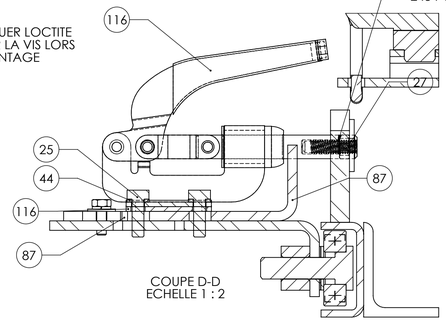
SCALE: 1:12 | SHEET 1 OF 3 | DO NOT SCALE DRAWING



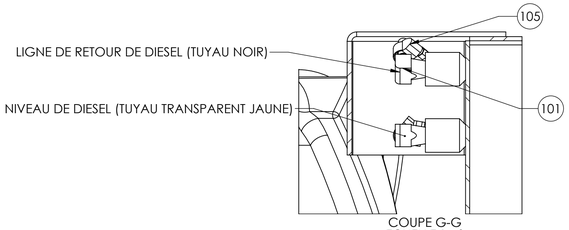




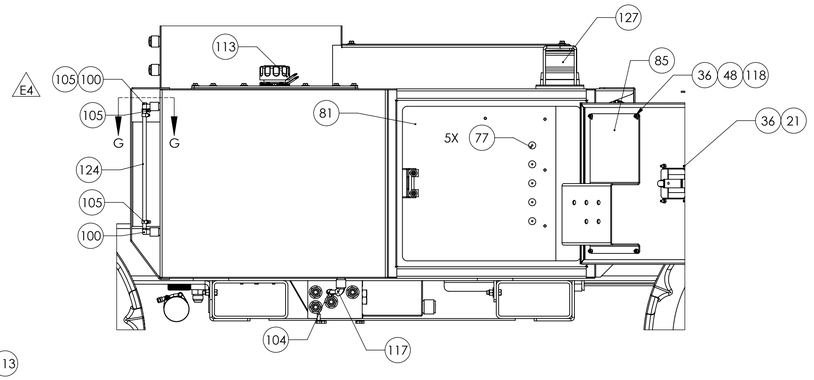
COUPE F-F
ECHELLE 1 : 1

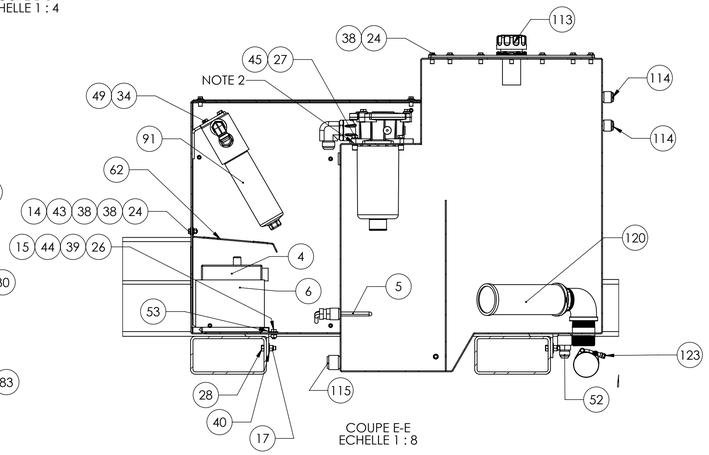


COUPE D-D
ECHELLE 1 : 2

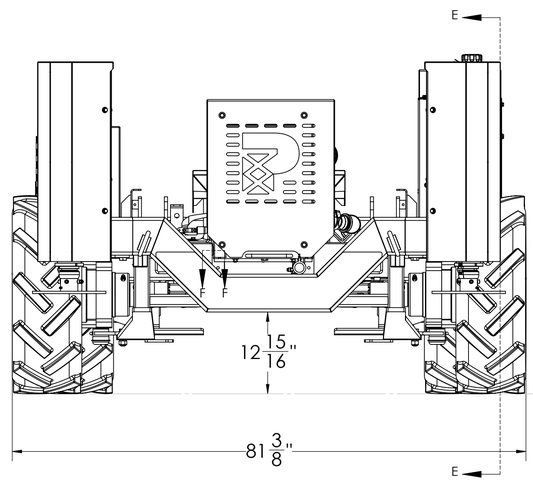


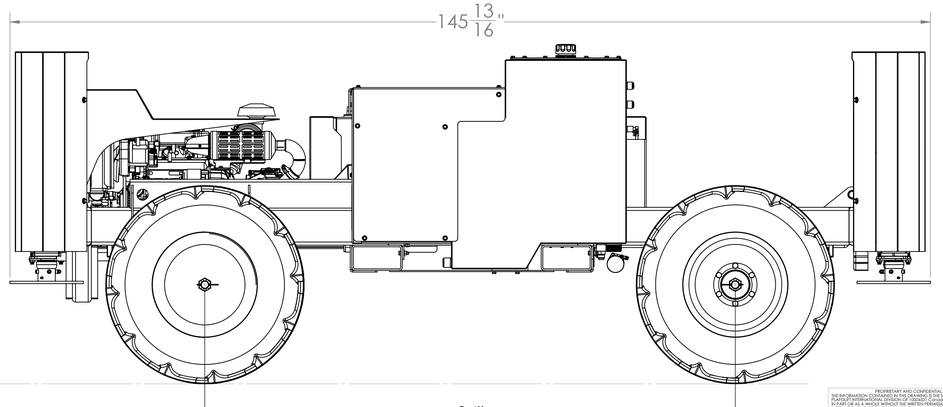
COUPE G-G
ECHELLE 1 : 2

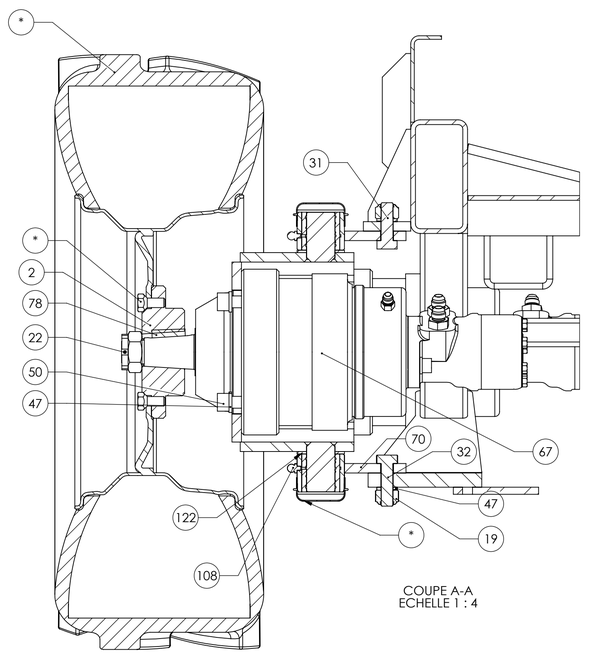




COUPE E-E
ECHELLE 1 : 8







COUPE A-A
ECHELLE 1 : 4

NOTE 2 :
APPLIQUER "THE RIGHT STUFF" AU NIVEAU DES WELDNUT + AUTOUR DU TROU POUR ASSURER UNE ÉTANCHÉITÉ DU FILTRE SUR LE RÉSERVOIR

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage	
Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET:	PH26
TITRE:	BASE ASSEMBLEE
DIMENSION:	
MATERIEL:	
	2019-11-28

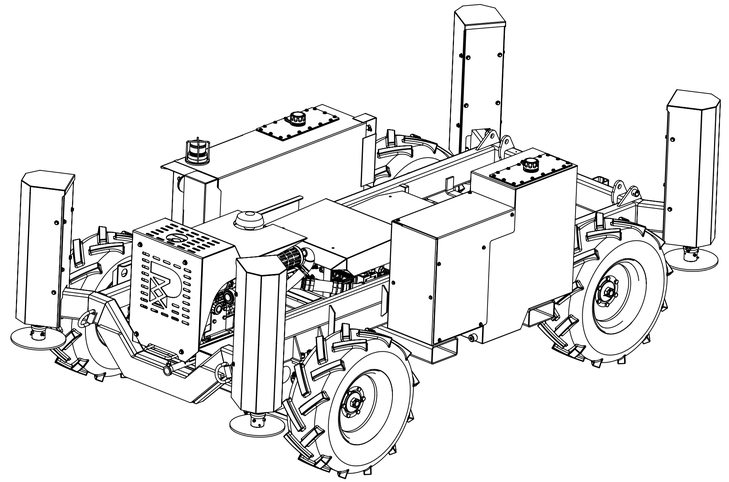
PLAFOLIFT International

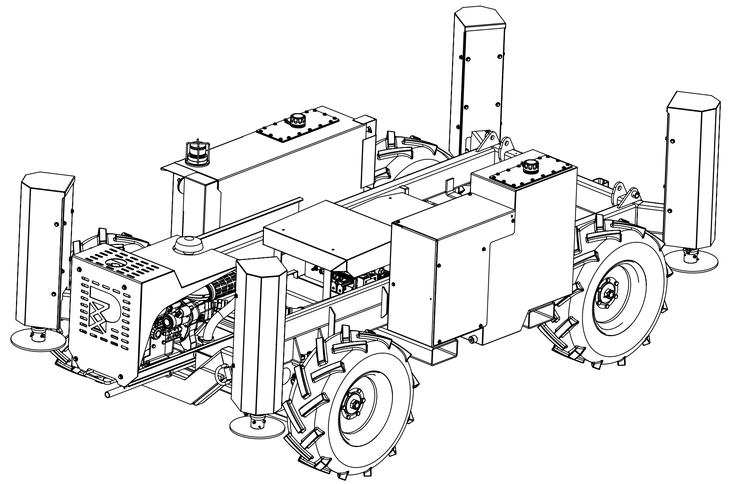
DWG # NO: PH26-010-0000 — REV F1

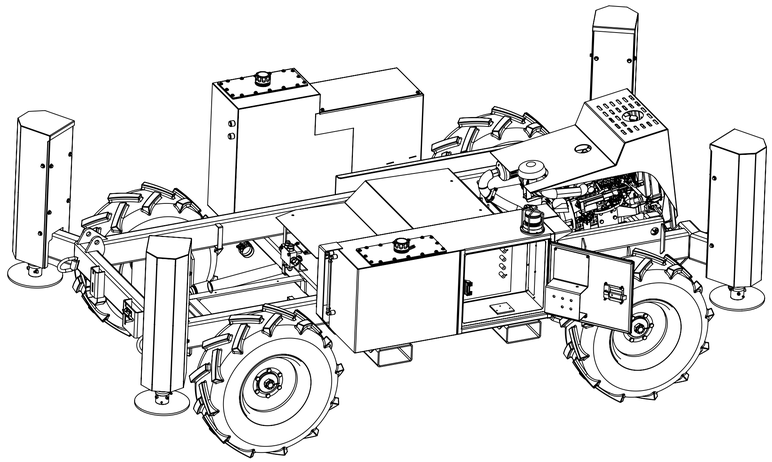
SCALE: 1:12 | SHEET 2 OF 3 | DO NOT SCALE DRAWING

No. ARTICLE	NUMERO DE PIECE	Révision	DESCRIPTION	Qté
1	ACPL-008-0011	D	ASSEMBLAGE STABILISATEUR	4
2	ACPL-017-0003	B	HUB DE ROUE	4
3	ACPL-069-0007	A	VIS POUR ROULEMENT DE TIROIR MOTEUR	6
4	ACPL-080-0101	0	BATTERIE HC65 800CCA	1
5	ACPL-080-0103	0	RÉCHAUFFEUR D'HUILE 1/2NPT 300W	1
6	ACPL-080-0104	0	CHAUFFE BATTERIE 80WATTS	1
7	ACPL-141-0100	0	PROTÈGE GYROPHARE	1
8	CACC-UIROP00.75X1.25	0	RONDELLE PLATE INOX .75x1.25x14G	6
9	CACC-UIROP00.75X1.25-20GA	0	RONDELLE PLATE INOX .75x1.25x20G	6
10	FIX-BHCS-I-0.250-20-0.50-Z	0	BHCS 1/4-20 x 0.500PO (ZINC)	2
11	FIX-GF-I-0.188-2.00-Z	0	COTTER PIN 3/16 x 2 PO (ZINC)	2
12	FIX-RP-I-1.000-Z	0	RONDELLE PLATE 1PO (ZINC)	2
13	FIX-ER-I-0.250-20-.160-Z	0	ÉCROU À RIVETER 1/4-20 x .160PO (ZINC)	2
14	FIX-EX-I-0.250-Z	0	ÉCROU HEX. 1/4-20 (ZINC)	1
15	FIX-EX-I-0.312-18-Z	0	ÉCROU HEX 5/16-18 (ZINC)	1
16	FIX-EX-I-0.375-16-Z	0	ÉCROU HEX. 3/8-16 (ZINC)	2
17	FIX-EXNS-I-0.375-16-Z	0	ÉCROU HEX. 3/8-16 (ZINC)	10
18	FIX-EXNS-I-0.500-13-Z	0	ÉCROU HEX. NYLON STOP 1/2-13 (ZINC)	16
19	FIX-EXNS-I-0.625-11-Z-8	0	ÉCROU HEX. 5/8-11 (ZINC) grade 8	12
20	FIX-EXNS-I-0.750-10-Z	0	ÉCROU HEX. NYLON STOP 3/4-10 (ZINC)	8
21	FIX-EXNS-I-10-24-Z	0	ÉCROU HEX. NYLON STOP 10-24 (ZINC)	12
22	FIX-GF-I-0.125-3.00-Z	0	COTTER PIN 1/8 x 3PO (ZINC)	4
23	FIX-HHCS-I-0.250-20-3.00-Z	0	HHCS 1/4-20 x 3PO (ZINC)	2
24	FIX-HHCS-I-0.250-20-0.75-Z	0	HHCS 1/4-20 x 0.75PO (ZINC)	48
25	FIX-HHCS-I-0.312-18-1.00-Z	0	HHCS 5/16-18 x 1PO (ZINC)	4
26	FIX-HHCS-I-0.312-18-0.75-Z	0	HHCS 5/16-18 x 0.75PO (ZINC)	41
27	FIX-HHCS-I-0.375-16-1.00-Z	0	HHCS 3/8-16 x 1PO (ZINC)	11
28	FIX-HHCS-I-0.375-16-1.25-Z	0	HHCS 3/8-16 x 1.25PO (ZINC)	8
29	FIX-HHCS-I-0.375-16-2.75-Z	0	HHCS 3/8-16 x 3-1/4PO (ZINC)	2
30	FIX-HHCS-I-0.500-13-2.00-Z	0	HHCS 1/2-13 x 2PO (ZINC)	16
31	FIX-HHCS-I-0.625-11-2.00-Z-8	0	HHCS 5/8-11 x 2PO (ZINC) grade 8	6
32	FIX-HHCS-I-0.625-11-2.25-Z-8	0	HHCS 5/8-11 x 2.25PO (ZINC) grade 8	6
33	FIX-HHCS-I-0.750-10-4.50-Z	0	HHCS 3/4-10 x 4.5PO (ZINC)	2
34	FIX-HHCS-M-8-1.25-16-Z	0	HHCS M8 x 16mm (ZINC)	2
35	FIX-MS-I-0.250-20-0.50-Z	0	VIS TÊTE RONDE 1/4-20 x 0.5PO (ZINC)	4
36	FIX-MS-I-10-24-0.75-Z	0	VIS TÊTE RONDE 10-24 x 0.75PO (ZINC)	12
37	FIX-MS-I-10-32-0.50-Z	0	VIS TÊTE RONDE 10-32x 0.5PO (ZINC)	8
38	FIX-RP-I-0.250-Z	A	RONDELLE PLATE 1/4PO (ZINC)	53
39	FIX-RP-I-0.312-Z	0	RONDELLE PLATE 5/16 (ZINC)	33
40	FIX-RP-I-0.375-Z	0	RONDELLE PLATE 3/8PO (ZINC)	12
41	FIX-RP-I-0.500-Z	0	Rondelle plate 1/2 (ZINC)	29
42	FIX-RP-I-10-Z	A	RONDELLE PLATE #10 (ZINC)	4
43	FIX-RR-I-0.250-Z	0	RONDELLE RESSORT 1/4PO (ZINC)	24
44	FIX-RR-I-0.312-Z	A	RONDELLE RESSORT 5/16PO (ZINC)	45
45	FIX-RR-I-0.375-Z	0	RONDELLE RESSORT 3/8PO (ZINC)	16
46	FIX-RR-I-0.500-Z	0	RONDELLE RESSORT 1/2PO (ZINC)	16
47	FIX-RR-I-0.625-Z	0	RONDELLE RESSORT 5/8 (ZINC)	27
48	FIX-RR-I-10-Z	0	Rondelle Frein #10 ZINC	12
49	FIX-RR-M-8-Z	0	RONDELLE RESSORT M8 (ZINC)	2
50	FIX-SHCS-I-0.625-11-1.50-Z-12.9	0	SHCS 5/8-11 x 1.5PO (ZINC)	16
51	G60301-0606	0	ADAPTATEUR DROIT O-RING BOSS 6 - JIC 6 MÂLE	1
52	G60301-1212	0	ADAPTATEUR DROIT O'Ring Boss 12 - JIC 12 MÂLE	1
53	PH-134-0700	0	ATTACHE BATTERIE	1
54	PH26-008-0001	A	PROTECTEUR DE STABILISATEUR	4
55	PH26-010-0003	N	BASE SOUDÉE PH26	1
56	PH26-010-0104	0	SPIRAL WRAP 24-32 x 1PI LONG	3
57	PH26-010-0105	0	Boyau de retour de diesel	1
58	PH26-010-0106	0	Boyaux d'alimentation Diesel	1
59	PH26-013-0001	H	RÉSERVOIR DIESEL / COMPARTIMENT ÉLECTRIQUE	1
60	PH26-013-0002	G	RÉSERVOIR HYD.	1
61	PH26-013-0017	B	CAPOT DE PROTECTION FILTRES HYD.	1
62	PH26-013-0030	0	PROTÈGE BATTERIE CONTRE HUILE	1
63	PH26-016-0004	D	BOITIER DE DIRECTION AS. DROIT	1
64	PH26-016-0005	C	BOITIER DE DIRECTION ASS. GAUCHE	1
65	PH26-016-0024	B	ASS PLANETAIRE AVEC FREIN	1
66	PH26-016-0024	B	ASS PLANETAIRE AVEC FREIN	1
67	PH26-016-0024	B	ASS PLANETAIRE AVEC FREIN	1
68	PH26-016-0024	B	ASS PLANETAIRE AVEC FREIN	1
69	PH26-016-0046	A	TIGE DE DIRECTION ASS.	1
70	PH26-016-0047	0	SUPPORT BOITIER ASS.	4
71	PH26-016-0053	A	CONDUITE RIGIDE SUCCION	1
72	PH26-016-0054	0	SUPPORT CONDUITE DE SUCCION RIGIDE	1
73	PH26-016-0055	0	ASS. BUTÉE DE TIROIR MOTEUR	1
74	PH26-023-0001	B	ASSEMBLAGE MOTEUR DIESEL/POMPE HYD./TIROIR	1
75	PH26-024-0100	A	CAPOT MOTEUR	1
76	PH26-030-0001	B	CYLINDRE DE DIRECTION	1
77	PH26-060-0100	0	ESPACEUR POUR PANNEAU ÉLECTRIQUE	5
78	PH26-061-0034	0	CLAVETTE 7/16 x 7/16 x 1-3/4 PO	4
79	PH26-064-0034	0	COUVERT DE RÉSERVOIR	2
80	PH26-064-0056	A	PASSE CABLE INT/EXT PANNEAU ÉLECTRIQUE	1
81	PH26-064-0057	C	PANNEAU ÉLECTRIQUE	1
82	PH26-064-0104	B	SUPPORT PROTECTEUR DE STABILISATEUR DROIT	4
83	PH26-064-0105	B	SUPPORT PROTECTEUR DE STABILISATEUR GAUCHE	4
84	PH26-064-0107	D	FOND DE COUVERT DE STABILISATEUR	4
85	PH26-064-0121	B	PANNEAU DE CONTRÔLE BASE	1
86	PH26-064-0130	C	GASKET DE RÉSERVOIR	2
87	PH26-064-0143	0	RENFORT ATTACHE TIROIR MOTEUR	1
88	PH26-064-0151	A	TÔLE DE PROTECTION FILS ÉLECTRIQUES	1
89	PH26-064-0152	B	SUPPORT CAPTEUR POSITION PLATEFORME BASSE	1
90	PH26-085-0001	A	ASSEMBLAGE BLOC HYDRAULIQUE TRACTION	1
91	PH26-085-0003	A	ASSEMBLAGE FILTRE HAUTE PRESSION HYDRAULIQUE	1
92	PH26-085-0005	B	ASS. BLOC HYDRAULIQUE PRINCIPAL	1
93	PH26-085-0007	A	ASSEMBLAGE DIVISEUR FREIN	1
94	PH26-085-0008	C	ASSEMBLAGE CONTRE-BALANCE TRACTION	1
95	PH26-085-0014	A	ASSEMBLAGE FILTRE RETOUR HUILE	1
96	PLAFO-18-001	0	ROUE 6PLIS 29PO GAUCHE	2
97	PLAFO-18-002	0	ROUE 6PLIS 29PO DROIT	2
98	PLAFO-18-003	0	CAPUCHON ANTI-POUSSIÈRE POUR PIVOT DE ROUE (ZINC)	4
99	PLAFO-18-004	0	VIS DE ROUE 1/2-20UNF (ZINC)	24
100	PLAFO-18-007	0	COUDE 90° laiton 1/4NPT M - 1/4 barbed hose	2
101	PLAFO-18-007	0	COUDE 90° laiton 1/4NPT M - 1/4 barbed hose	1
102	PLAFO-18-008	0	PERMATEX 'The Right Stuff' NOIR	1
103	PLAFO-18-009	0	COLLET À INJECTION POUR BOYAUX ID5/16	1
104	PLAFO-18-010	0	COLLET À INJECTION POUR BOYAUX ID3/8	2
105	PLAFO-18-011	0	COLLET POUR BOYAUX ID1/4	4
106	PLAFO-18-012	0	GACHE DE PORTE	1
107	PLAFO-18-013	0	GRAISSEUR DROIT 1/4-28 (ZINC)	2
108	PLAFO-18-014	0	GRAISSEUR COUDE 90° 1/4-28 (ZINC)	4
109	PLAFO-18-015	0	CLEVIS PIN 1x2.75PO (ZINC)	2
110	PLAFO-18-016	0	JOINT DE GACHE DE PORTE	1
111	PLAFO-18-017	0	SERRURE À PALETTE	1
112	PLAFO-18-018	A	VERROU À RESSORT	1
113	PLAFO-18-019	0	BOUCHON DE RÉSERVOIR (DIESEL) 40MICRON	2
114	PLAFO-18-020	0	JAUGE À HUILE PLASTIQUE SAE 1/2	2
115	PLAFO-18-021	0	BOUCHON SAE12	1
116	PLAFO-18-022	0	BARRURE DE TIROIR MOTEUR	1
117	PLAFO-18-023	0	RACCORD 90° 3/8NPT POUR BOYAU 3/8PO	1
118	PLAFO-18-024	0	RONDELLE DE CAOUTCHOUC #10	4
119	PLAFO-18-025	0	BANDE AUTOCOLLANTE DE MOUSSE BUNA-N (6.5pi total)	1
120	PLAFO-18-026	0	CRÉPINE 2PO NPT	1
121	PLAFO-18-027	0	ROULEMENT DE TIROIR MOTEUR	6
122	PLAFO-18-028	0	COUSSINET DE BUTÉE HUILÉ 1.5x2.5x.125PO	4
123	PLAFO-18-030	0	COLLIER MIKALOR SUPRA 59-63mm	4
124	PLAFO-18-031	0	TUBE FLEXIBLE PVC NIVEAU DIESEL ID1/4PO x 12.5PO LONG	1
125	PLAFO-18-032	0	BOUCHON HEXAGONAL 3/8NPT	1
126	ST40-4013	0	BUZZER	1
127	ST40-4020	0	LAMPE STROBOSCOPIQUE À LED	1
128	PH-183-1000	0	ASSEMBLAGE CAPOT DE PROTECTION HYD.	1
129	PH-183-1110	0	ASSEMBLAGE SOUDÉ DE FIXATION DE TÔLE DE PROTECTION	2
130	PH-183-1120	0	ASSEMBLAGE SOUDÉ DE FIXATION DE TÔLE DE PROTECTION	2
131	D902-Chapeau-Echappement	0		1

F1







Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

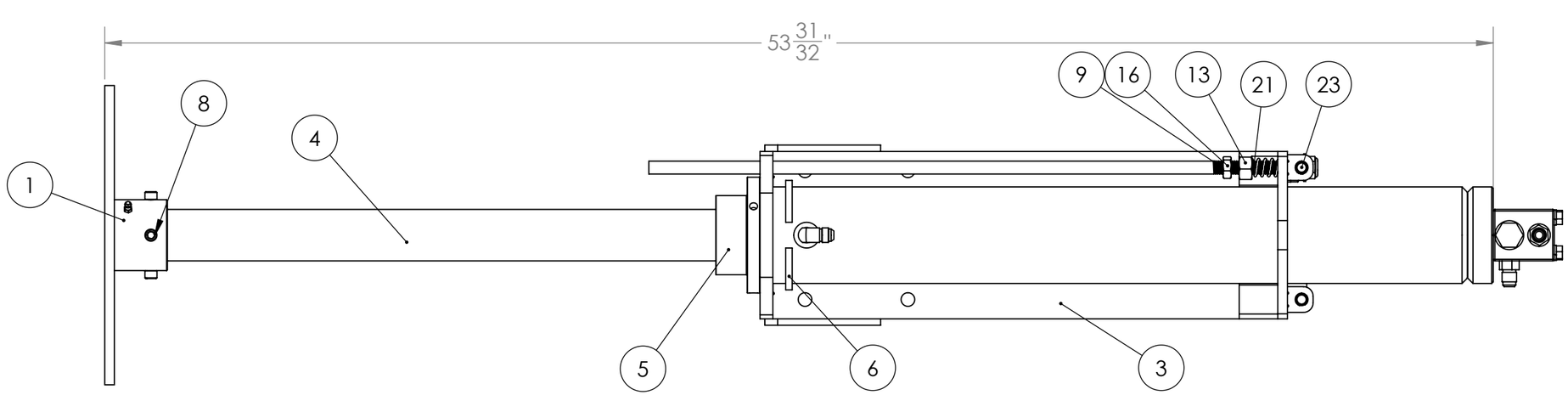
Tolérance de pliage	
Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

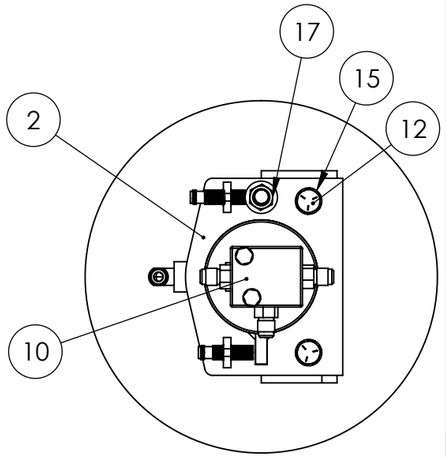
PROJET: PH26
TITRE: BASE ASSEMBLEE
DIMENSION:
MATERIEL:
2019-11-28

PLAFOLIFT International

DWG # NO PH26-010-0000
REV F1
SCALE: 1:12 SHEET 3 OF 3 DO NOT SCALE DRAWING

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	Quantité
1	ACPL-016-0062revB	PIED DE STABILISATEUR ASS.	1
2	ACPL-016-0067revA	PLATEAU DE STABILISATEUR	1
3	ACPL-016-0068revA	ASS SUPPORT DE STABILISATEUR	1
4	ACPL-016-0080revA	ASSEMBLAGE DE LA TIGE	1
5	ACPL-031-0026revB	TÊTE	1
6	ACPL-038-0021revB	TUBE CYLINDRE ASSEMBLAGE POUR SOUDURE	1
7*	ACPL-039-0008	(ITEM NON REPRÉSENTÉ) ENSEMBLE DE JOINTS 3 x 2	1
8	ACPL-049-0029rev0	VIS DE BLOCAGE ROTULE DE STABILISATEUR	4
9	ACPL-064-0219revA	TIGE 1/2	1
10	ACPL-085-0010revA	LOCK VALVE ASS. AVANT GA. ET ARRIERE DR	1
11	FIX-DB5HG00.31X2.75	HHCS 5/16-18 x 2.75PO (ZINC)	2
12	FIX-DB5HG00.50X1.50	HHCS 1/2-13 x 1.5PO (ZINC)	2
13	FIX-DE5HG00.50	ÉCROU HEX. 1/2-13 (ZINC)	1
14	FIX-DRR00.31	RONDELLE RESSORT 5/16PO (ZINC)	2
15	FIX-DRR00.50	RONDELLE RESSORT 1/2PO (ZINC)	2
16	FIX-ENGDEMI00.50	DEMI ÉCROU HEX. 1/2-13 (ZINC)	1
17	FIX-ENGF00.50	ÉCROU HEX. NYLON STOP FLANGÉ 1/2-13 (ZINC)	1
18	G60499-0606	ADAPTATEUR COUDE 90° 3/8NPT MÂLE - JIC 06 MÂLE	1
19	PLAFO-18-013	GRAISSEUR DROIT 1/4-28 (ZINC)	1
20	PLAFO-18-058	SEAL TYPE H NITRILE / SHAFT 2"	1
21	PLAFO-18-059	SPRING W.085/ID.55/OD.72 X 1 3/4	1
22	PLAFO-18-060	O-RING 2-110 BUNA-N	1
23	ST40-4007	CAPTEUR DE PROXIMITÉ	2





Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

REV.	DESCRIPTION	DATE	APPR
A	NOUVEAU DESIGN	2018-01-10	DDK

REVISIONS

PROJET: PH26

TITRE: ASSEMBLAGE STABILISATEUR

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-10-01

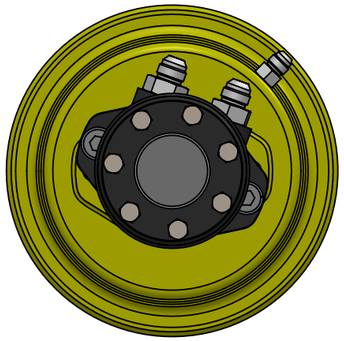
PLAFOLIFT International

DWG. NO. ACPL-008-0011

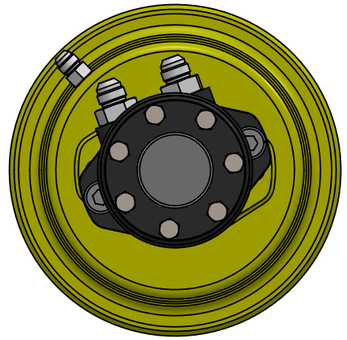
REV A

SCALE: 1:5 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

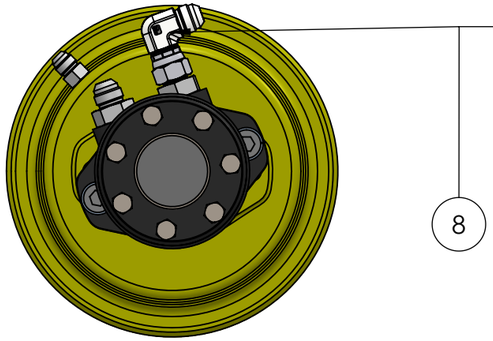
morste01



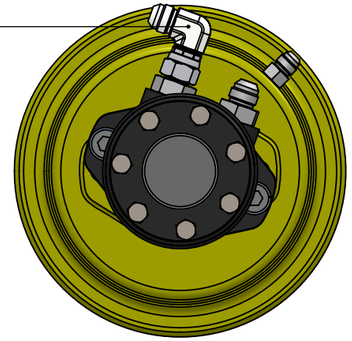
AVANT GAUCHE



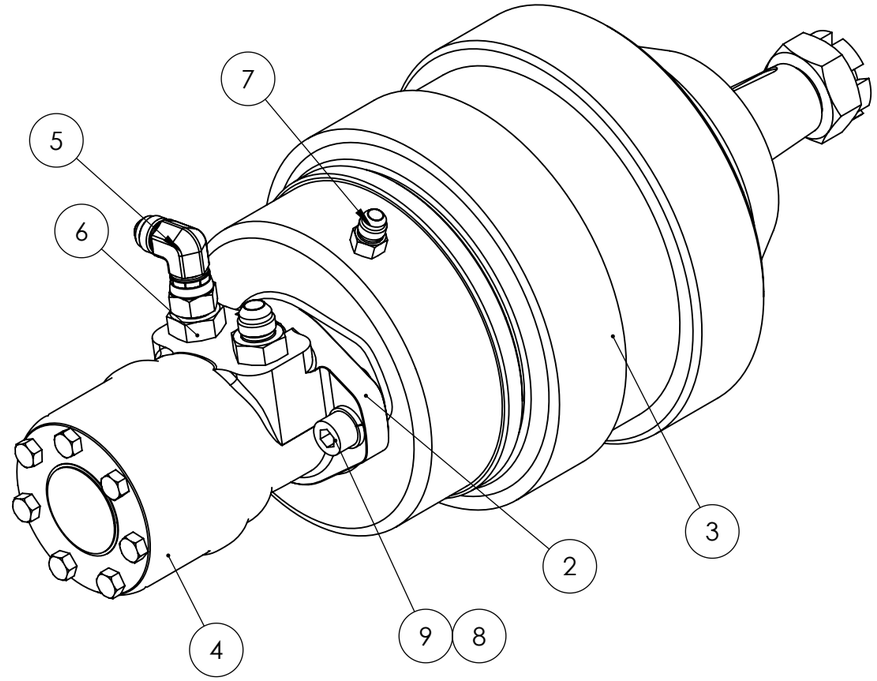
AVANT DROIT



ARRIÈRE GAUCHE



ARRIÈRE DROIT



No.	NUMERO DE PIECE	TITRE	MOTEUR AvD	MOTEUR AvG	MOTEUR ArG	MOTEUR ArD
9	FIX-BCG00.50X1.50	SHCS 1/2-20 x 1-1/2PO Lg. (zinc)	2	2	2	2
8	FIX-DRR00.50	RONDELLE RESSORT 1/2 (ZINC)	2	2	2	2
7	G60301-0406rev0	FITTING O-RING BOSS 04 - JIC 06 MÂLE	1	1	1	1
6	G60301-1008	ADAPTATEUR DROIT O-RING BOSS 10 - JIC 8 MÂLE	2	2	2	2
5	G60422-0808	FITTING COUDE 90° JIC 06 MÂLE - JIC 06 FEM SWIVEL	-	-	1	1
4	PLAFO-18-034	MOTEUR HYDRAULIQUE DANFOSS OMPX315	1	1	1	1
3	PLAFO-18-035	PLANÉTAIRE AVEC FREIN AUBURN	1	1	1	1
2	PLAFO-18-036	O-RING DURO 70A DURO ID 82mm Ép. 3mm	1	1	1	1
1	PLAFO-18-037	Huile Transtec 5 80W90 (1L)	1	1	1	1

REV.	DESCRIPTION	DATE	APPR
B	CHANGEMENT DE MOTEUR + FITTINGS ET 4 CONFIGURATIONS	2018-05-09	S.M.
A	CONFIGURATION DROIT ET HGAUCHE	2013-12-06	S.V.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26
TITRE: ASS PLANETAIRE AVEC FREIN
DIMENSION: CATALOGUE DE PIÈCES
MATERIEL:
FINITION: Peinture Noir Plafolift
DATE: 2018-10-15

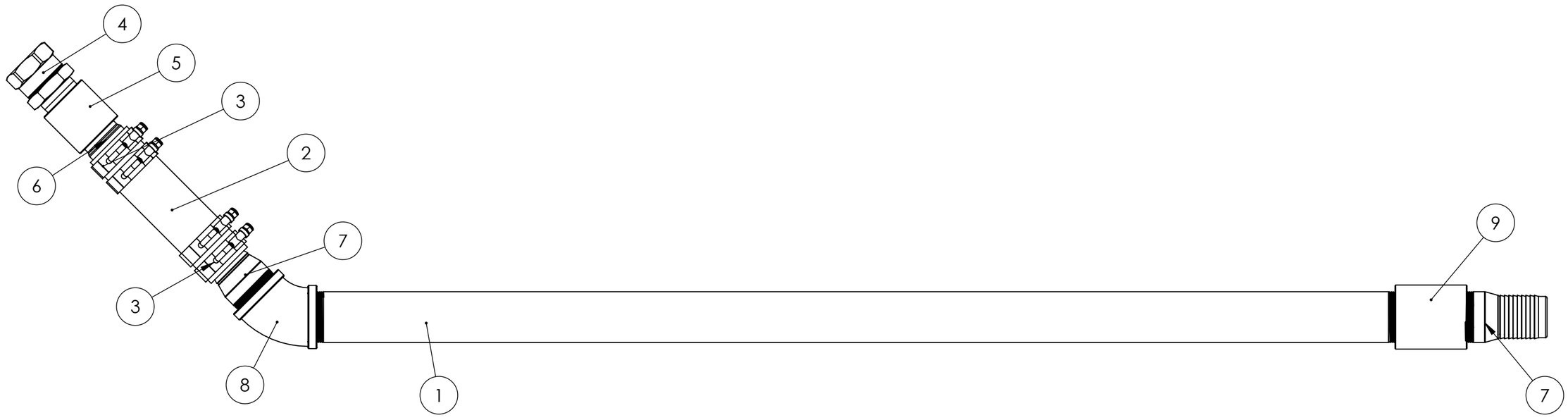
PLAFOLIFT International

DWG. NO. PH26-016-0024
REV B

SCALE: 1:4 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	PH26-060-0101rev0	TUBE ID2PO OD2.375PO x 52PO LONG 2NPT DEUX BOUTS	1
2	PH26-850-0001-1	BOYAU 32GMV 2PO x 8PO LONG	1
3	PLAFO-18-030	COLLIER MIKALOR SUPRA 59-63mm	4
4	PLAFO-18-082	FITTING JIC FEM 24 à 24NPT MAL 45°	1
5	PLAFO-18-083	MANCHON 1.5NPT DEUX BORDS	1
6	PLAFO-18-084	RACCORD 1-1/2NPT MÂLE - 2PO BARBED	1
7	PLAFO-18-085	RACCORD 2NPT MÂLE - 2PO BARBED	2
8	PLAFO-18-086	COUDE 45° 2NPT FEM DEUX BOUTS	1
9	PLAFO-18-087	MANCHON 2NPT DEUX BORDS	1



REV.	DESCRIPTION	DATE	APPR
A2	DOUBLER LE NOMBRE DE COLLIERS MIKALOR + AJOUT D'UNE NOTE 1 + AJOUT DE DEUX ÉTAPES DE FINITION	2018-08-22	S.M.
A	Changement de Design Et Ajout d'une section souple	2018-05-08	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26

TITRE: CONDUITE RIGIDE SUCCION

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-10-01

PLAFOLIFT International

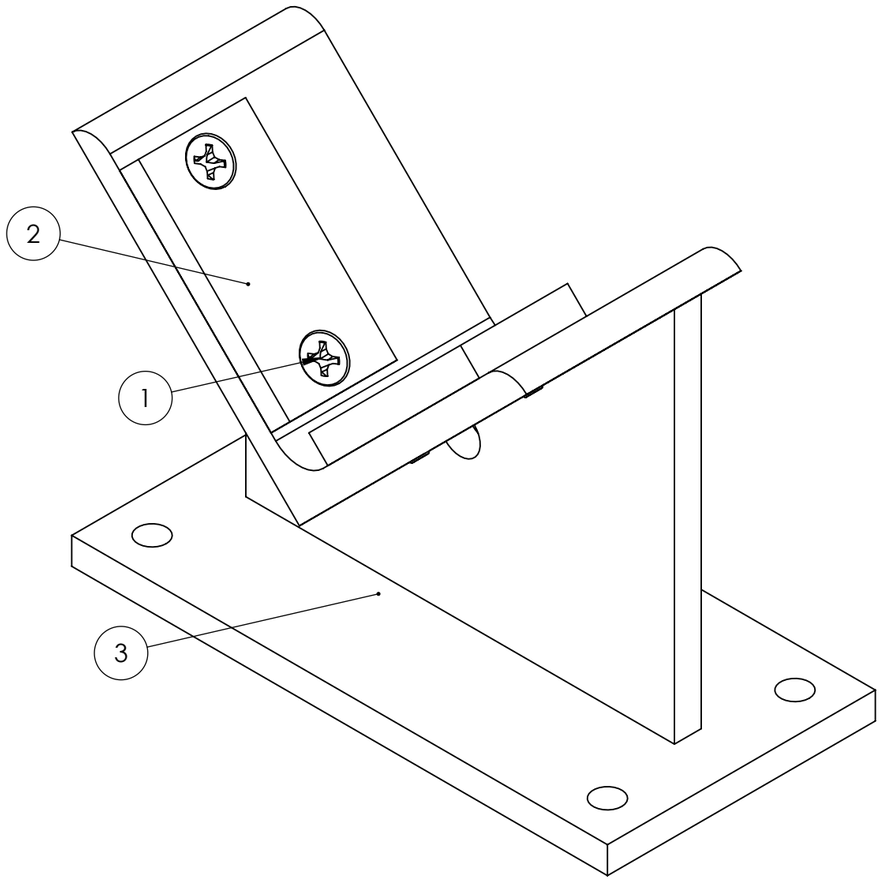
DWG. NO. PH26-016-0053

REV A2

SCALE: 1:5 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	FIX-PFHS-10-24x0.5poZ	VIS TÊTE PLATE CROIX 10-24 x 1/2PO (ZINC)	4
2	PH26-061-0038rev0	PAD UHMW	2
03 3	PH26-020-0001rev0	ASSEMBLAGE SOUDÉ SUPPORT CONDUITE RIGIDE SUCCION HYD.	1



REV.	DESCRIPTION	DATE	APPR
03	SÉPARATION DE L'ASSEMBLAGE SOUDÉ (PH26-020-0001) DE L'ASSEMBLAGE MÉCANIQUE	2018-08-21	S.M.
02	ITEM PH26-064-0145 EN REV A (ÉTAIT REV 0) + SUPPRESSION DU RESSORT ET DE LA VISSERIE ASSOCIÉE	2018-08-21	S.M.
01	MISE À JOUR DES NOM DE BOULONNERIE	2018-07-23	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26

TITRE: SUPPORT TUBE RIGIDE SUCCION HYDRAULIQUE

DIMENSION:

MATERIEL:

FINITION:

DATE: 2018-08-28

PLAFOLIFT International

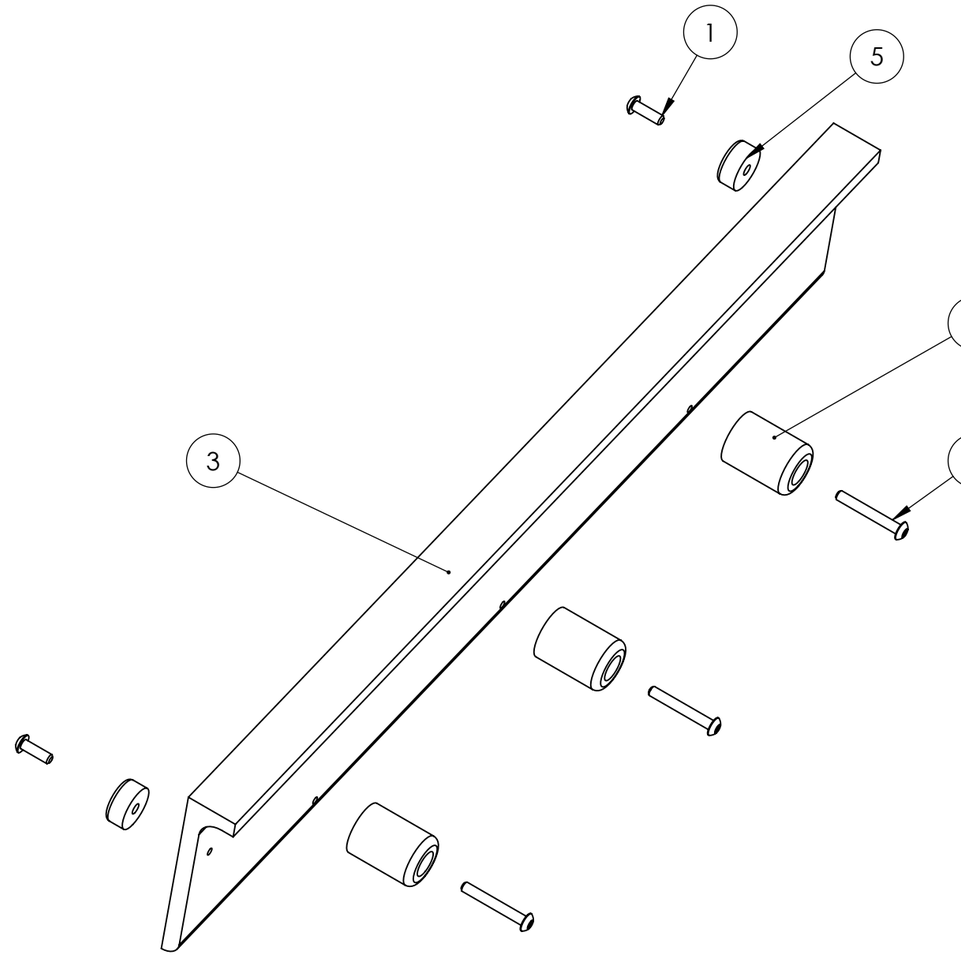
DWG. NO. PH26-016-0054

REV 03

SCALE: 1:1 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	FIX-BHCS6-32x0.438Z	BHCS 6-32 x 7/16PO (ZINC)	2
2	FIX-BHCS6-32x1Z	BHCS 6-32 x 1PO (ZINC)	3
3	PH26-067-0004revA	CORNIÈRE DE BUMPER TIROIR MOTEUR	1
4	PLAFO-18-080	BUTÉE DE CAOUTCHOUC Ø3/4PO x 1PO	3
5	PLAFO-18-081	BUTÉE DE CAOUTCHOUC Ø5/8PO x 9/32PO	2



Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

REV.	DESCRIPTION	DATE	APPR
REVISIONS			

PROJET: PH26

TITRE: BUTÉE

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-10-01

PLAFOLIFT International

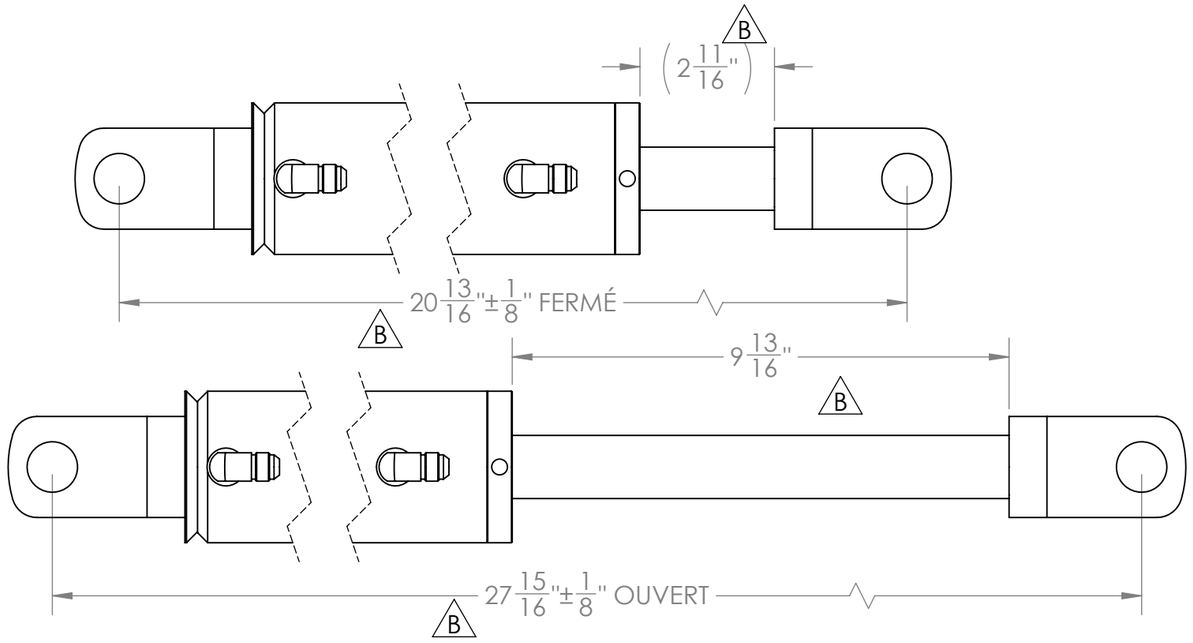
DWG. NO. PH26-016-0055

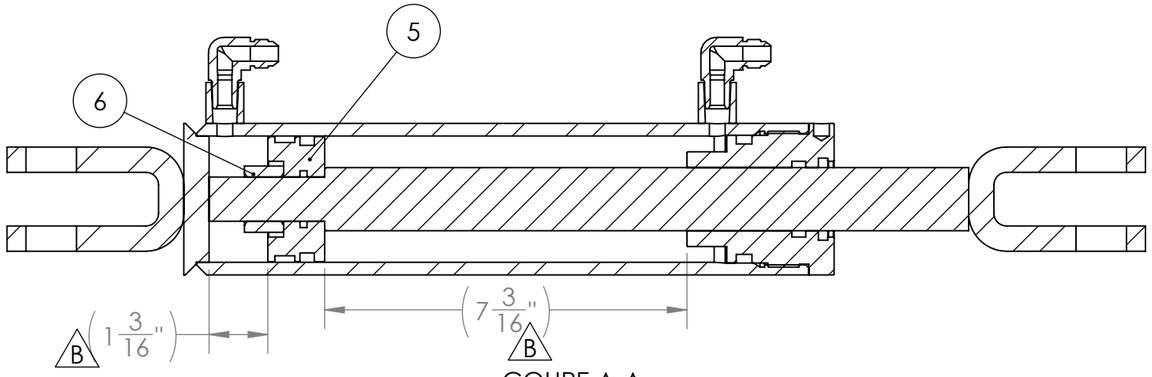
REV 0

SCALE: 1:2 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01

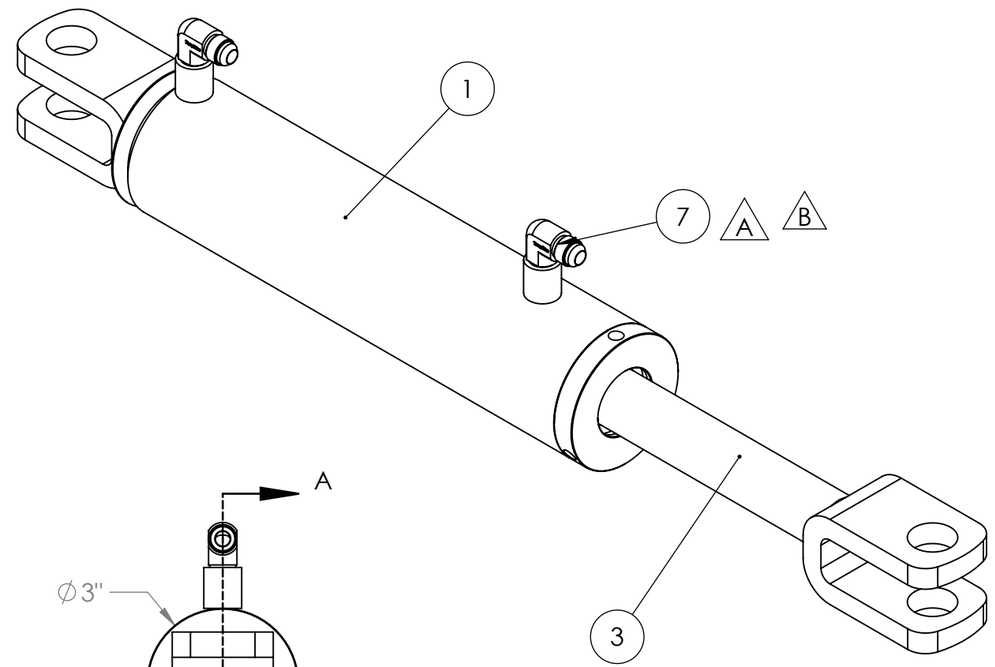
POSITION CENTRALE : 24-3/8PO
COURSE: 7-3/16PO
C.C. FERMÉ: 20-13/16PO
C.C. OUVERT: 27-7/8PO





COUPE A-A

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	ACPL-038-0014rev0	TUBE CYLINDRE DIRECTION	1
2	ACPL-039-0007rev0	ENS. DE JOINT 2-1/2 x 1-1/4	1
3	PH26-037-0002rev0	TIGE SOUDÉE DIRECTION	1
4	PH26-031-0001revB	TÊTE DE CYLINDRE DIRECTION	1
5	PH26-032-0001revA	PISTON CYLINDRE	1
6	FIX-ENF00.87	ÉCROU HEX NYLON STOP 7/8-14 UNF	1
7	G60499-0604	ADAPTATEUR 3/8NPT - COUDE 90° - JIC 06 M	2



REV.	DESCRIPTION	DATE	APPR
B	RACCOURCISSEMENT DE LA COURSE DE 10.5mm DES DEUX BORDS + NOM DE RACCORD CHANGÉ	2018-09-06	S.M.
A	AJOUT AER 2024-4-S6	2013-10-13	S.V.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26
TITRE: CYLINDRE DIRECTION
DIMENSION: CATALOGUE DE PIÈCES
MATERIEL:
FINITION:
DATE: 2018-09-11

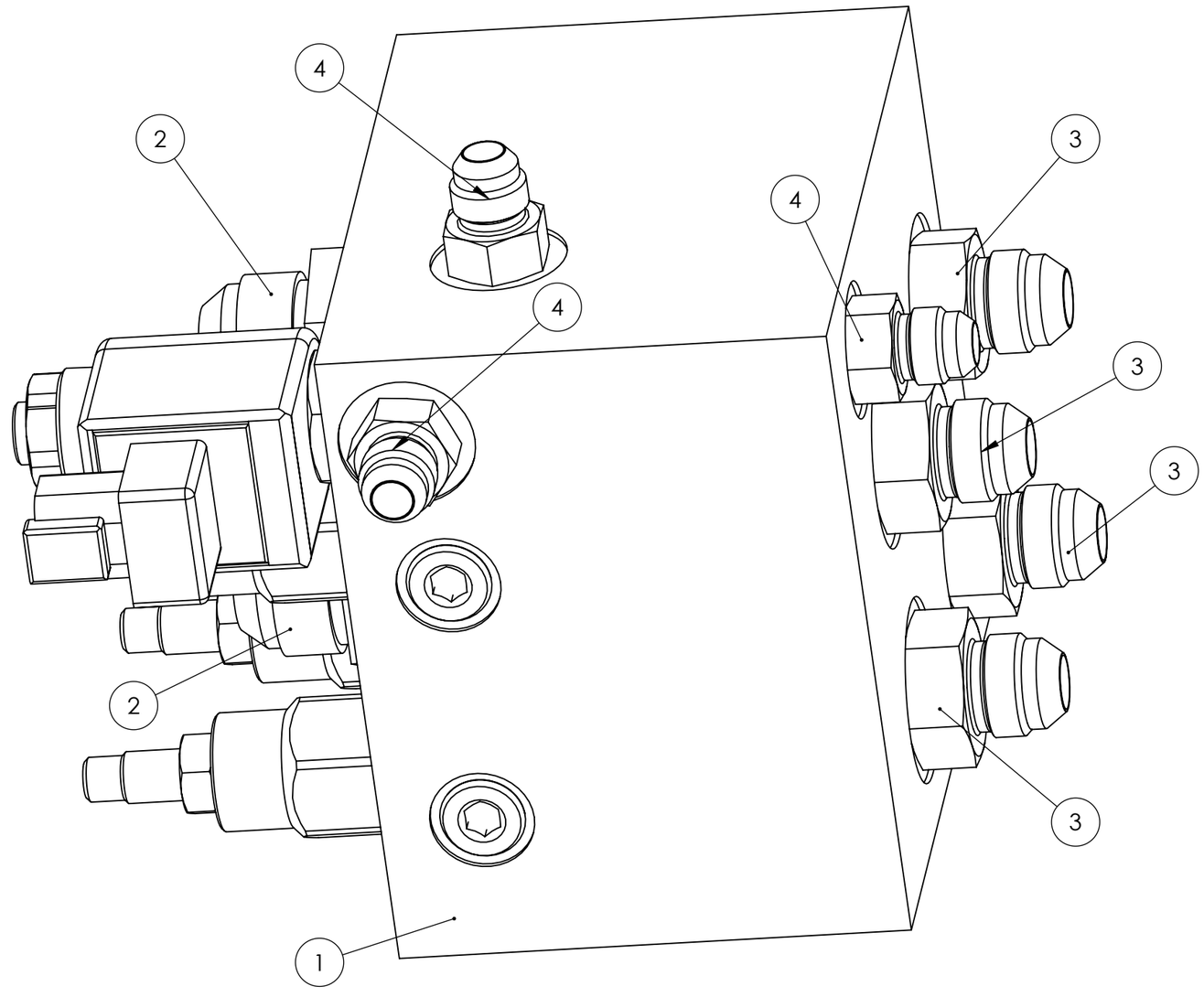
PLAFOLIFT International

DWG. NO. PH26-030-0001
REV B

SCALE: 1:3 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	EP0796	BLOC DIVISEUR DE TRACTION HYDRAULIQUE	1
2	G60301-1212	ADAPTATEUR DROIT O'Ring Boss 12 - JIC 12 MÂLE	2
3	G60301-1008	ADAPTATEUR DROIT O-RING BOSS 10 - JIC 8 MÂLE	4
4	G60301-0606	ADAPTATEUR DROIT O-RING BOSS 6 - JIC 6 MÂLE	3



REV.	DESCRIPTION	DATE	APPR
A	MODIFICATION GÉNÉRALE	2018-05-28	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26

TITRE: ASSEMBLAGE BLOC HYDRAULIQUE TRACTION

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-05-28

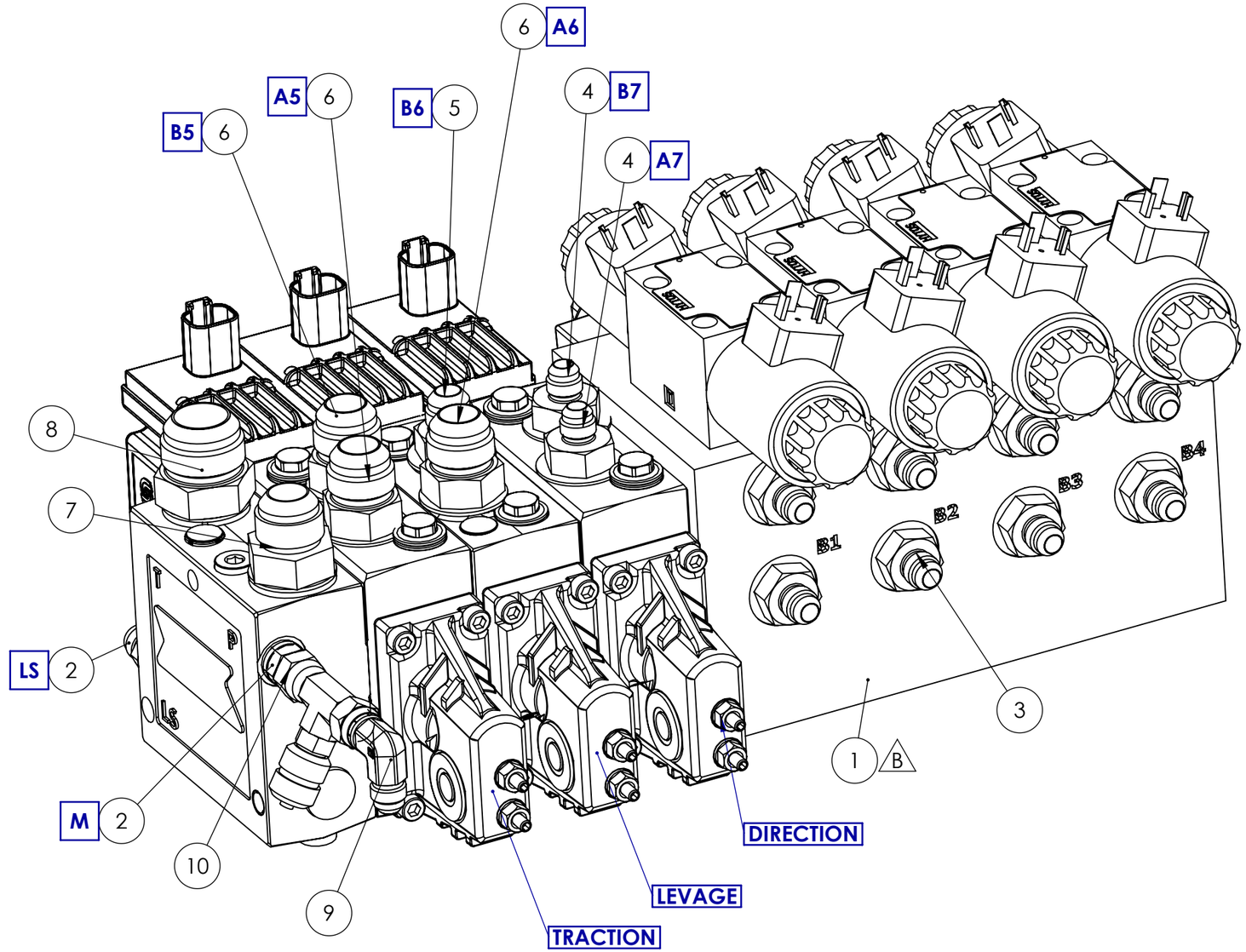
PLAFOLIFT International

DWG. NO. PH26-085-0001

REV A

SCALE: 1:1 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01



No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	157EP5114rev0	BLOC HYDRAULIQUE PRINCIPAL	1
2	G60301-0506	ADAPTATEUR DROIT O-RING BOSS 5 - JIC 6 MÂLE	2
3	G60301-0806	ADAPTATEUR DROIT O-RING BOSS 08 - JIC 06 MÂLE	8
4	G60301-1006	ADAPTATEUR DROIT O-RING BOSS 10 - JIC 06 MÂLE	2
5	G60301-1008	ADAPTATEUR DROIT O-RING BOSS 10 - JIC 08 MÂLE	1
6	G60301-1012	ADAPTATEUR DROIT O-RING BOSS 10 - JIC 12 MÂLE	3
7	G60301-1212	ADAPTATEUR DROIT O'Ring Boss 12 - JIC 12 MÂLE	1
8	G60301-1216	ADAPTATEUR DROIT O-RING BOSS 12 - JIC 16 MÂLE	1
9	G60422-0606	ADAPTATEUR COUDE 90° JIC 06 FEM. SWIVEL - JIC 06 MÂLE	1
10	HSP1040-6MV	PRESSURE TEST POINT JIC 06 FEM. SWIVEL - JIC 06 MÂLE	1

REV.	DESCRIPTION	DATE	APPR
B	BLOC MIS À JOUR	2018-06-15	S.M.
A	MODIFICATION DU BLOC POUR BLOC AVEC TECHNOLOGIE PROPORTIONNELLE	2018-01-10	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage	
Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26
TITRE: VALVE 6 SECTIONS ASS.
DIMENSION: CATALOGUE DE PIÈCES
MATERIEL:
FINITION:
DATE: 2018-08-29

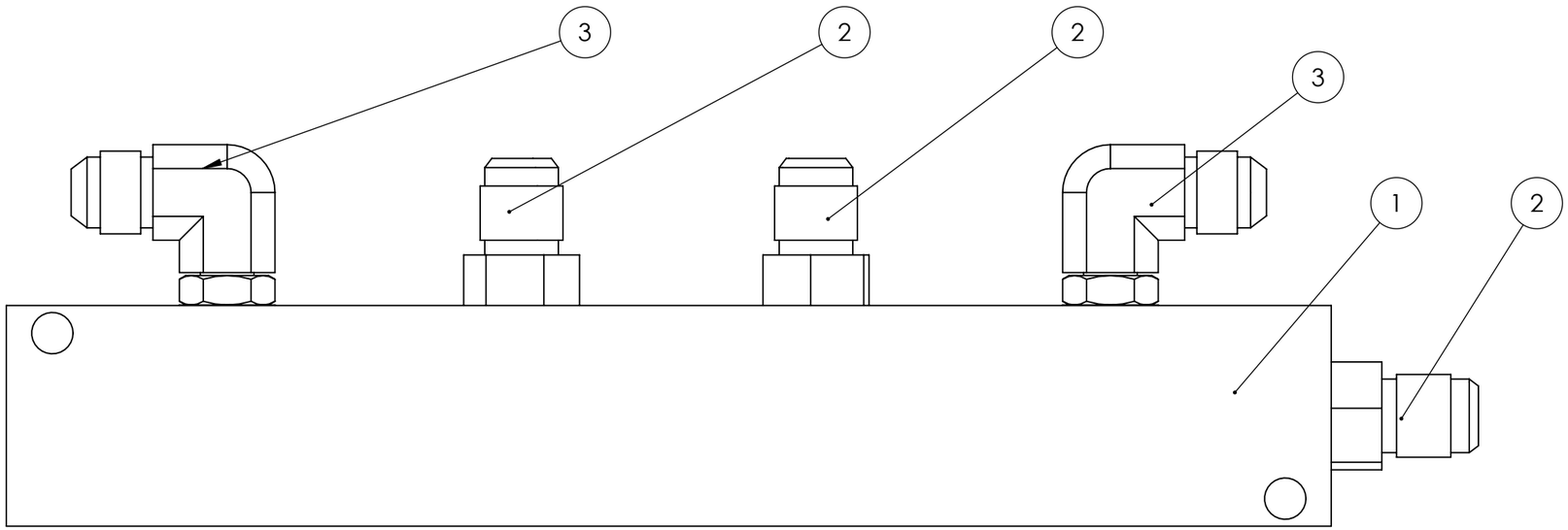
PLAFOLIFT International

DWG. NO. PH26-085-0005
REV B1

SCALE: 1:2 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	AH0000406S	HEADER POUR FREIN PLAFOLIFT	1
2	G60301-0406	ADAPTATEUR DROIT O-RING BOSS 04 - JIC 06 MÂLE	3
3	G60312-0406	ADAPTATEUR COUDE 90° O-RING BOSS 04 - JIC 06 MÂLE	2



REV.	DESCRIPTION	DATE	APPR
A	MODIFICATION GÉNÉRALE	2018-05-28	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26

TITRE: ASSEMBLAGE DIVISEUR FREIN

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-05-28

PLAFOLIFT International

DWG. NO. PH26-085-0007

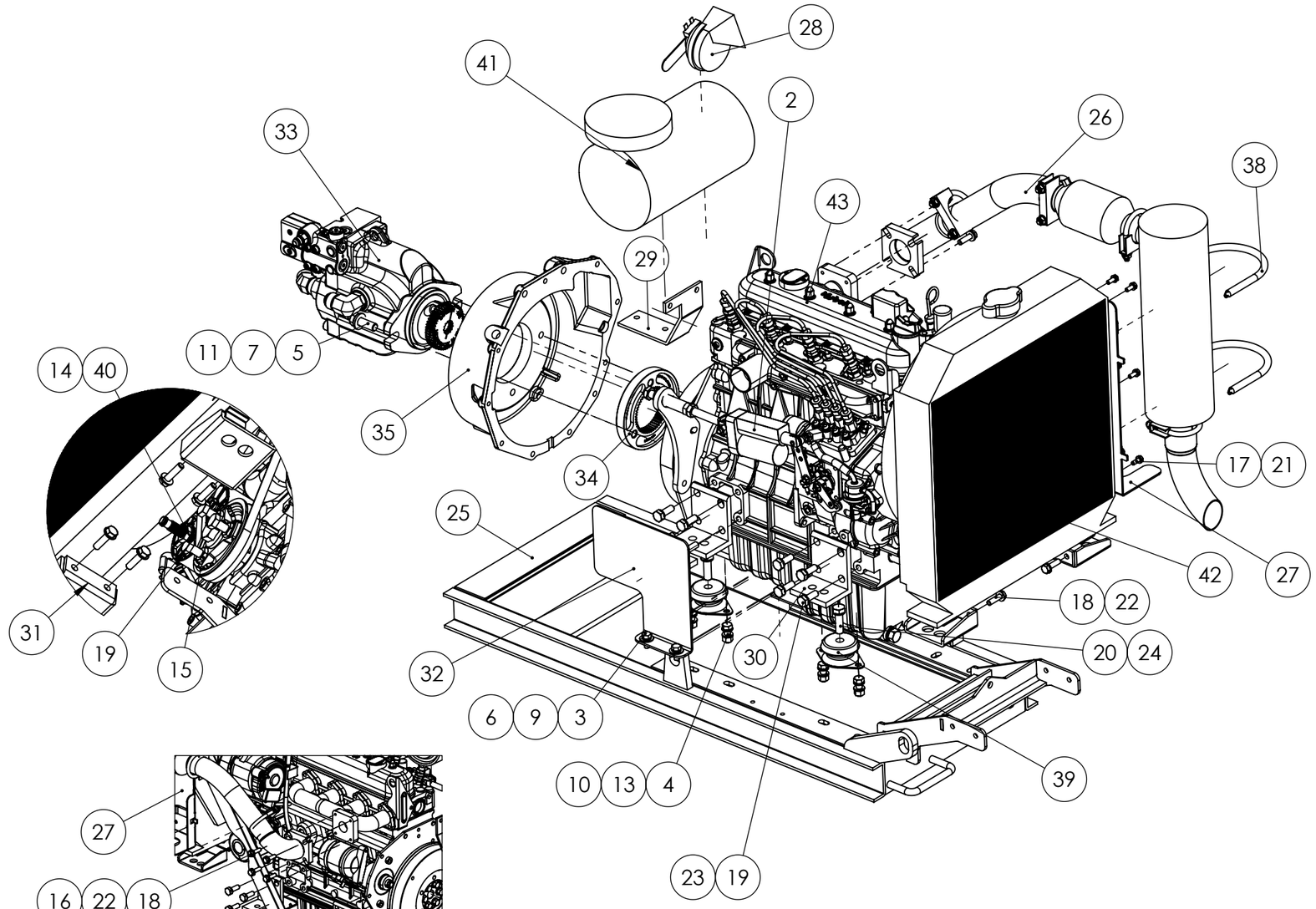
REV A

SCALE: 1:1 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
2	ACPL-080-0006revA	ASS. ACTUATEUR RÉGIME MOTEUR	1
3	FIX-DB5HG00.31X0.75	HHCS 5/16-18 x 0.75PO (ZINC)	2
4	FIX-DB5HG00.37X1.00	HHCS 3/8-16 x 1PO (ZINC)	8
5	FIX-DB5HG00.50x1.50	HHCS 1/2-13 x 1.5PO (ZINC)	2
6	FIX-DRO00.31	RONDELLE PLATE 5/16 (ZINC)	2
7	FIX-DRO00.50	RONDELLE PLATE 1/2 (ZINC)	2
8	FIX-DRR00.25	RONDELLE RESSORT 1/4PO (ZINC)	4
9	FIX-DRR00.31	RONDELLE RESSORT 5/16PO (ZINC)	2
10	FIX-DRR00.37	RONDELLE RESSORT 3/8PO (ZINC)	16
11	FIX-DRR00.50	RONDELLE RESSORT 1/2PO (ZINC)	2
12	FIX-ENG00.25	ÉCROU HEX. 1/4-20 (ZINC)	4
13	FIX-ENG00.37	ÉCROU HEX. 3/8-16 (ZINC)	8
14	FIX-ENGDEMIM12X1	DEMI ÉRCOU HEX. M12x1 (ZINC)	1
15	FIX-ENGFDEMIM10	DEMI ÉCROU HEX. M10x1.25 (ZINC)	3
16	FIX-IMRO M08	RONDELLE PLATE M8 (ZINC)	4
17	FIX-MBH06x016	HHCS M6x1 x 16mm (ZINC)	6
18	FIX-MBH08x030	HHCS M8x1.25 x 30mm (ZINC)	8
19	FIX-MBH10x030x1.25	HHCS M10x1.25 x 30mm (ZINC)	19
20	FIX-MBH12x040	HHCS M10x1.75x40mm (ZINC)	4
21	FIX-MIRRO06MM	RONDELLE RESSORT M6 (ZINC)	6
22	FIX-MIRRO08MM	RONDELLE RESSORT M8 (ZINC)	8
23	FIX-MRR10	RONDELLE RESSORT M10 (ZINC)	16
24	FIX-MRR12	RONDELLE RESSORT M12 (ZINC)	4
25	PH26-016-0010revF	TIROIR MOTEUR	1
26	PH26-016-0022revA	ÉCHAPPEMENT KUBOTA V1505 PH26 CUSTOM	1
27	PH26-016-0035revB	ASS.SUPPORT SILENCIEUX	1
28	PH26-023-0200rev0	KLAXON UNIVERSEL	1
29	PH26-064-0040rev0	SUPPORT BOITE À AIR	1
30	PH26-064-0047revA	FER ANGLE POUR SUPPORT MOTEUR	4
31	PH26-064-0111	SUPPORT RADIATEUR	2
32	PH26-064-0150revA	SUPPORT SOLÉNOIDE MOTEUR KUBOTA	1
33	PH26-085-0010revA	ASS. POMPE HYDRAULIQUE	1
34	PLAFO-18-046	DISQUE TRANSMISION VOLANT MOTEUR/POMPE	1
35	PLAFO-18-047	CARTER VOLANT MOTEUR	1
20*	PLAFO-18-048	Boulonnerie pour carter pompe sur moteur Kubota V1505	1
37	PLAFO-18-049	RESSORT CACOUTCHOUC POUR ÉCHAPPEMENT	2
38	PLAFO-18-050	Ressort extension plaqué zinc en acier trempé 8po long x 0.0430OD x 0.054wire	2
39	PLAFO-18-051	SUPPORT MOTEUR AMORTISSEUR	4
40	ST40-4006	CAPTEUR DE PROXIMITÉ	1
41	WSP 16615-1100-0	BOITE À AIR (FILTRE)	1
42	WSP 16626-72001	RADIATEUR	1
43	WSP V1505-2REP1	MOTEUR KUBOTA V1505	1

** ITEMS NON REPRÉSENTÉS*



REV.	DESCRIPTION	DATE	APPR
A	MODIFICATION GÉNÉRALE	2018-05-28	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26

TITRE: ASSEMBLAGE MOTEUR

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-10-01

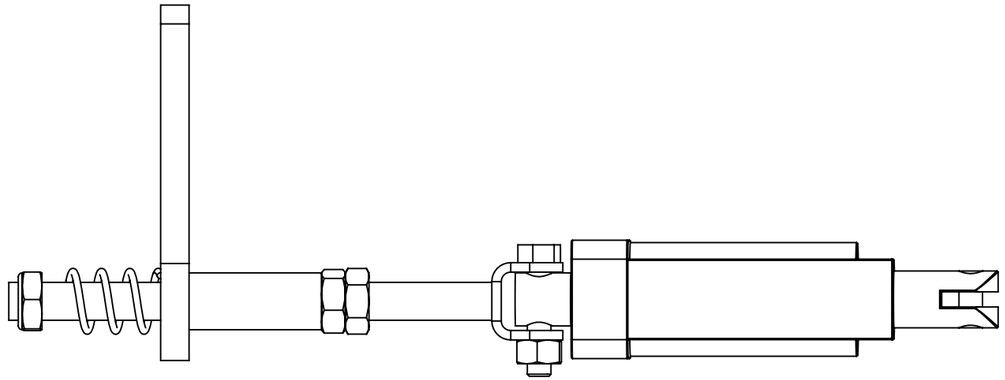
PLAFOLIFT International

DWG. NO. PH26-023-0001

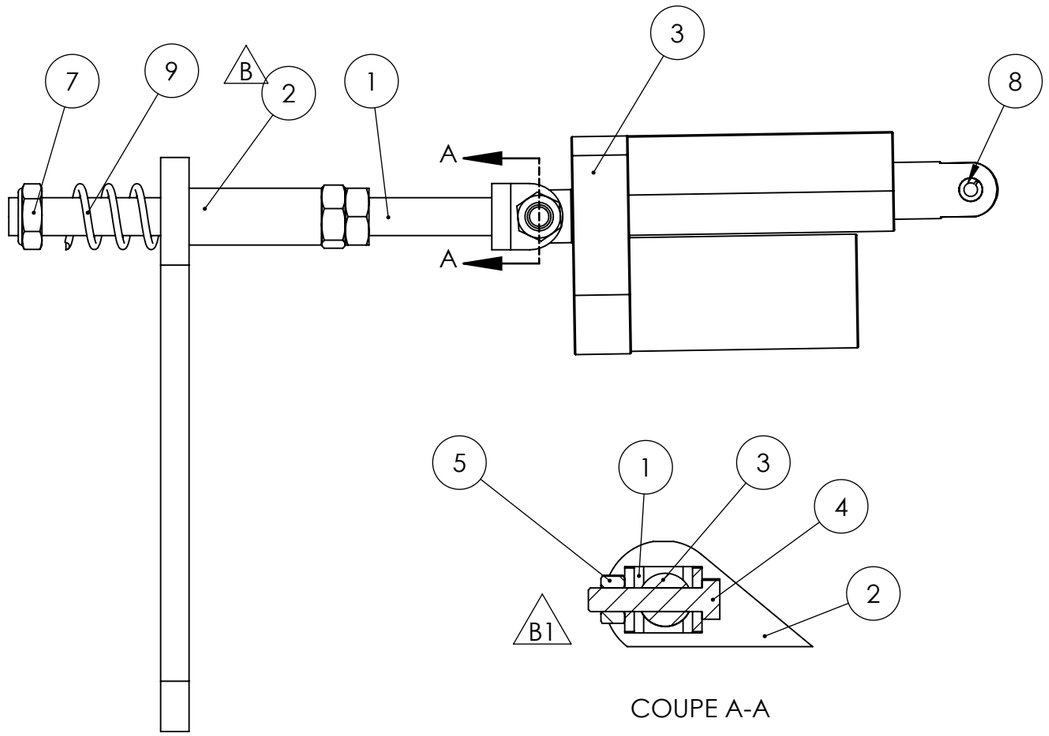
REV A

SCALE: 1:8 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

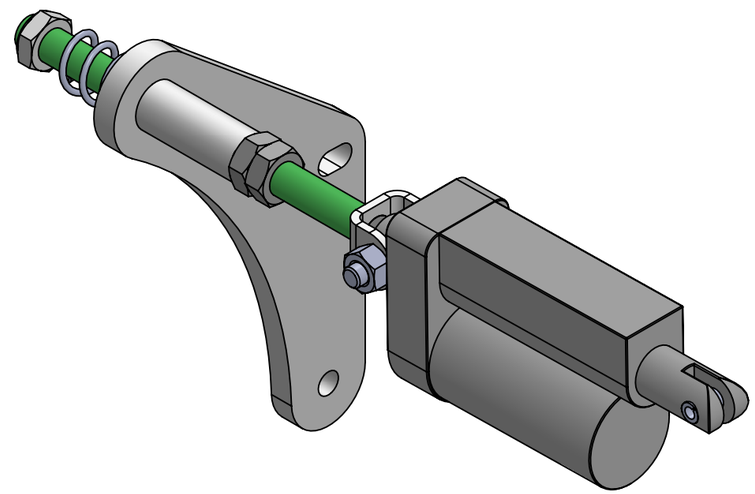
morste01



No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	ACPL-016-0063rev0	TIGE FILETÉE DE RETENUE	1
2	ACPL-016-0064rev0	PLAQUE D'ATTACHE ASS'	1
3	ACPL-080-0100	ACTUATEUR 12V	1
4	FIX-DB5HG00.31X1.50	HHCS 5/16-18 x 1.5PO (ZINC)	1
5	FIX-ENG00.31	ÉCROU HEX 5/16-18 (ZINC)	1
6	FIX-ENGDEMI00.50	DEMI ÉCROU HEX. 1/2-13 (ZINC)	2
7	FIX-ENGDEMIFREIN00.50	DEMI ÉCROU HEX. NYLON STOP 1/2-13 (ZINC)	1
8	FIX-GR00.31X0.75	GOUPILLE RESSORT 5/16 x 0.75PO (ZINC)	1
9	PLAFO-18-077	RESSORT DE COMPRESSION	1



COUPE A-A



REV.	DESCRIPTION	DATE	APPR
B1	MODIFICATION SENS VIS	2018-07-17	S.M.
B	ACPL-016-0064rev0 REMPLACE ACPL-064-0212rev0)	2018-06-26	S.M.
A	MISE À JOUR GÉNÉRALE	2018-05-28	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

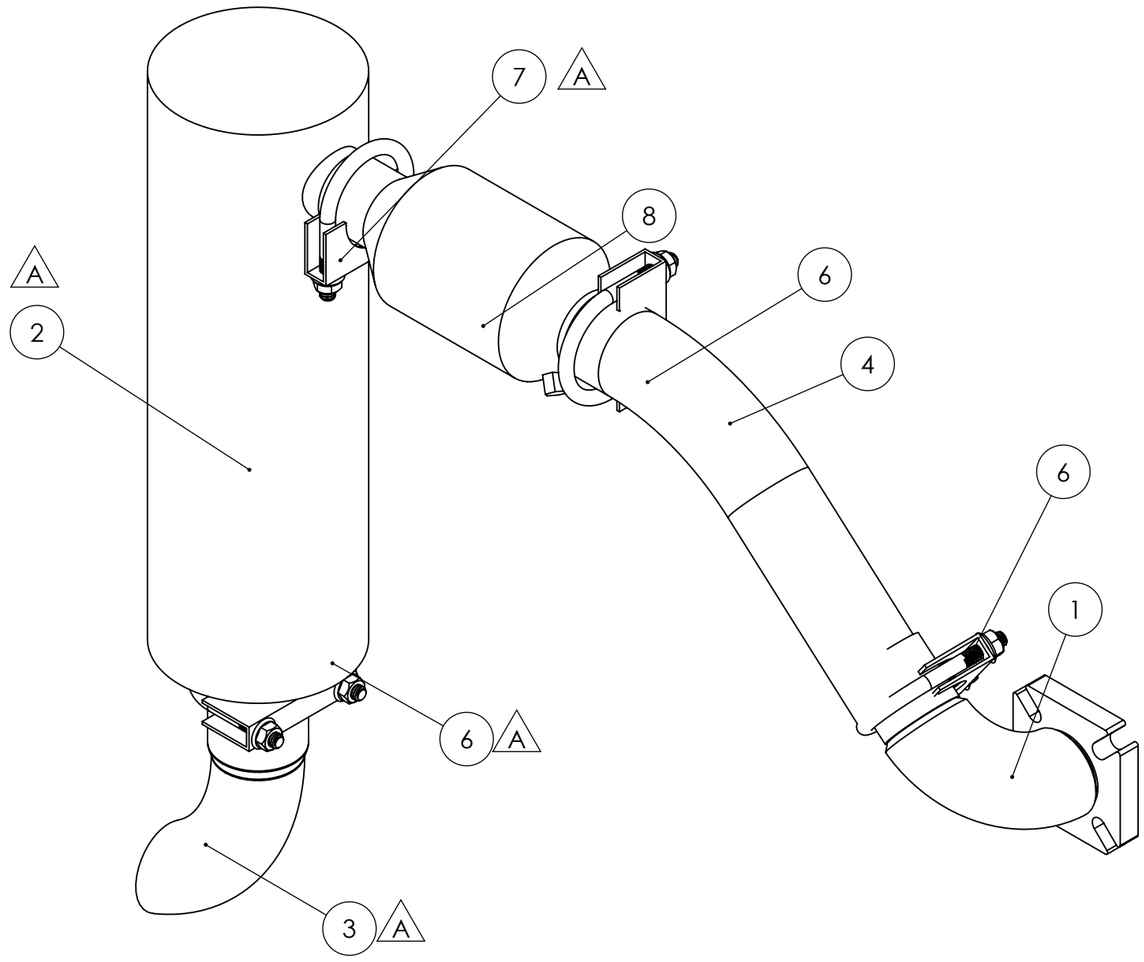
PROJET:
TITRE: ASS. ACTUATEUR MOTEUR DIESEL
DIMENSION: CATALOGUE DE PIÈCES
MATERIEL:
FINITION:
DATE: 2018-10-01

PLAFOLIFT International

DWG. NO. ACPL-080-0006
REV B1

SCALE: 1:2 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01



No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	PH26-016-0023rev0	ADAPTATEUR ÉCHAPPEMENT PH26 KUBOTA V1505	1
2	PH26-016-0038rev0	SILENCIEUX	1
3	PH26-016-0039revB	SORTIE ÉCHAPPEMENT	1
4	PH26-065-0003rev0	FLEXIBLE ÉCHAPPEMENT	1
5	PLAFO-18-008	PERMATEX "The RIght Stuff" NOIR	1
6	PLAFO-18-052	COLLET Ø1-7/8" DE SILENCIEUX	3
7	PLAFO-18-053	COLLET Ø1-3/4" DE SILENCIEUX	1
8	PLAFO-18-054	CATALYSEUR PH26	1

REV.	DESCRIPTION	DATE	APPR
A	INVERSION DES COLLETS AUTOUR DU SILENCIEUX ET NOUVELLE SORTIE D'ÉCHAPPEMENT	2018-01-29	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26

TITRE: Système Échappement Kubota V1505 PH26 Custom

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-10-01

PLAFOLIFT International

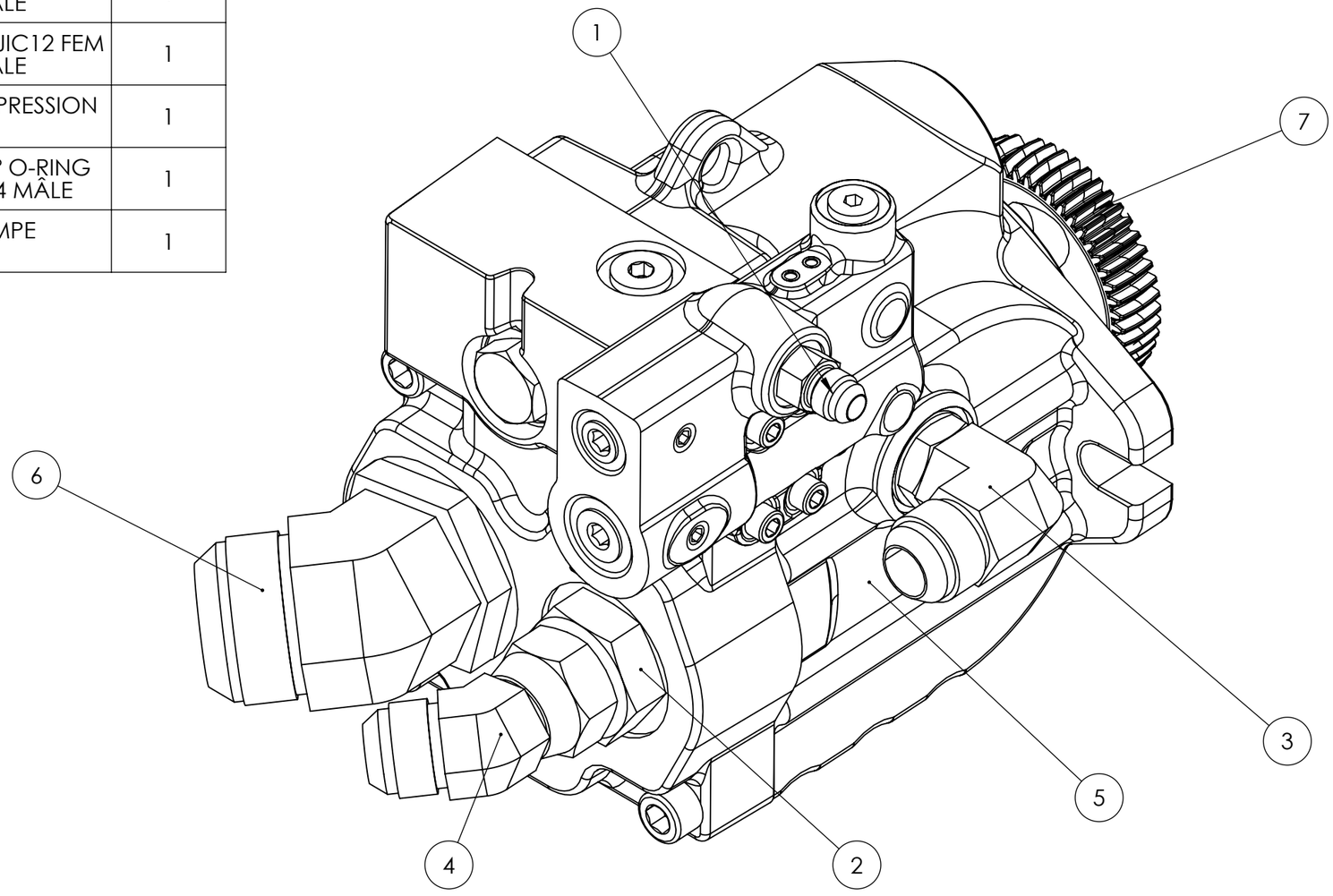
DWG. NO. PH26-016-0022revA

REV A2

SCALE: 1:3 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	G60301-0406	ADAPTATEUR DROIT O-RING BOSS 04 - JIC 06 MÂLE	1
2	G60301-1612	ADAPTATEUR DROIT O-RING BOSS 16 - JIC 12 MÂLE	1
3	G60312-1012	ADPATATEUR COUDE 90° ORB10 SWIVEL - JIC 12 MÂLE	1
4	G60424-1212	ADAPTATEUR COUDE 45° JIC12 FEM SWIVEL - JIC 12 MÂLE	1
5	PLAFO-18-055	POMPE HYDRAULIQUE À PRESSION COMPENSÉE	1
6	PLAFO-18-056	ADAPTATEUR COUDE 45° O-RING BOSS 24 SWIVEL - JIC 24 MÂLE	1
7	PLAFO-18-057	PLANÉTAIRE DE POMPE HYDRAULIQUE	1



REV.	DESCRIPTION	DATE	APPR
A	MISE À JOUR - PASSAGE À UNE POMPE À PRESSION COMPENSÉE	2018-05-28	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26

TITRE: ASS. POMPE HYDRAULIQUE

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-10-01

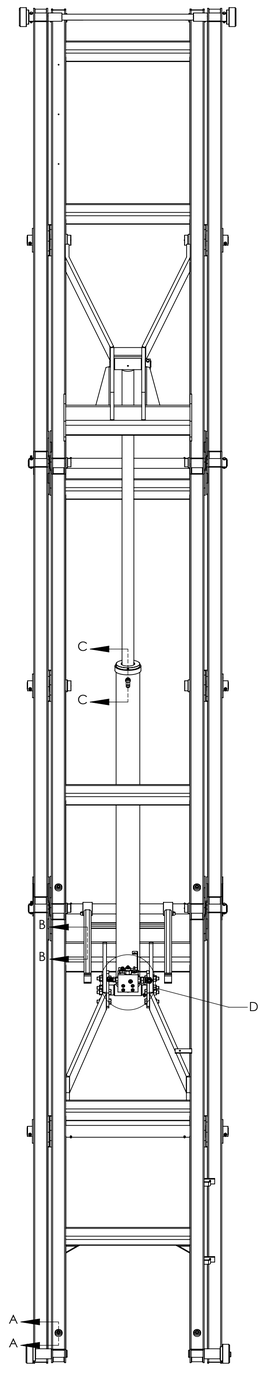
PLAFOLIFT International

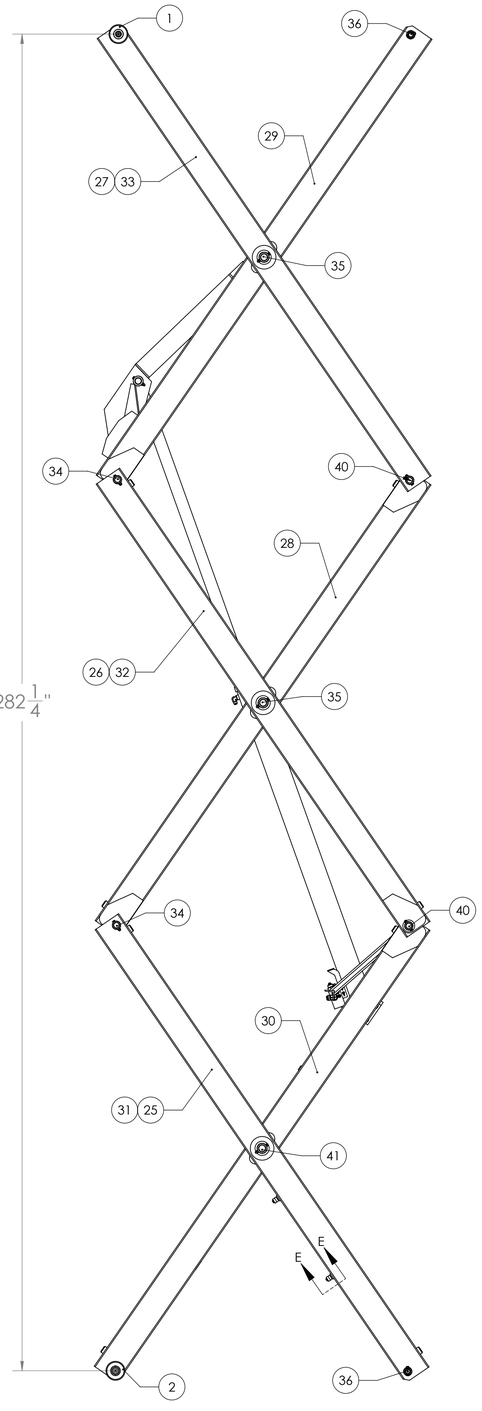
DWG. NO. PH26-085-0010

REV A

SCALE: 2:3 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01

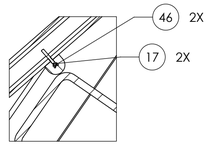




No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	ACPL-042-0028rev0	ROULETTE PLATEFORME 4PO ASS.	2
2	ACPL-042-0038rev0	ROULETTE BASE 4PO ASS.	2
3	ACPL-064-0202rev0	CROCHET POUR BOYAUX	2
4	ACPL-079-0002rev0	ESPACEUR CISEAU	16
5	FIX-DB5HG00.25X0.75	HHCS 1/4-20 x 0.75PO (ZINC)	16
6	FIX-DB5HG00.25X1.75	HHCS 1/4-20 x 1-3/4PO (ZINC)	2
7	FIX-DB5HG00.62X2.50	HHCS 5/8-11 x 2-1/2PO (ZINC)	8
8	FIX-DRO00.25	RONDELLE PLATE 1/4PO (ZINC)	20
9	FIX-DRO00.62	RONDELLE PLATE 5/8PO (ZINC)	8
10	FIX-DRR00.25	RONDELLE RESSORT 1/4PO (ZINC)	16
11	FIX-ENG00.25	ÉCROU HEX. 1/4-20 NYLON STOP(ZINC)	2
12	FIX-ENG00.62	ÉCROU HEX. NYLON STP 5/8-11 (ZINC)	8
13	FIX-EXNS-I-0.313-18-Z	ÉCROU HEX. NYLON STOP 5/16-18 (ZINC)	22
14	FIX-IRR10	Rondelle Frein #10 ZINC	2
15	FIX-IVMRE10-32X0.50	VIS TÊTE RONDE 10-32x 0.5PO (ZINC)	2

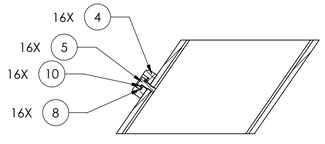
No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
16	FIX-RONDELLEPLATENUM10Z	RONDELLE PLATE #10 (ZINC)	2
17	FIX-SHCS-I-8-32-1.0-Z	SHCS 8-32 x 1PO (ZINC)	2
18	G60499-0806	ADAPTATEUR COUDE 90° 3/8NPT MÂLE - JIC 08 MÂLE	1
19	HBOLT 0.3125-18x2.25x0.875-N	HHCS 5/16-18 x 2-1/4PO (ZINC)	8
20	HBOLT 0.3125-18x2.75x0.875-N	HHCS 5/16-18 x 2-3/4PO (ZINC)	10
21	HFBOLT 0.3125-18x1.75x0.875-N	HHCS 5/16-18 x 1.75PO LONG (ZINC)	4
22	PH26-016-0028rev0	SUPPORT ATTACHE CYLINDRE DROIT	1
23	PH26-016-0029rev0	SUPPORT ATTACHE CYL. GAUCHE	1
24	PH26-030-0002revD	CYLINDRE DE LEVAGE	1
25	PH26-040-0001revC	CISEAU EXT. GAUCHE 1E ETAGE ASS.	1
26	PH26-040-0002revA	CISEAU EXT. DROIT 2E ÉTAGE ASS.	1
27	PH26-040-0003revB	CISEU EXT. DROIT 3° ETAGE ASS.	1
28	PH26-040-0004revC	CISEAU INT. 2e ÉTAGE	1
29	PH26-040-0005revC	CISEAU INT. 3E ÉTAGE	1
30	PH26-040-0006revE	CISEAU INT. 1ER ETAGE ASS.	1

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
31	PH26-040-0007revA	CISEAU EXT. DROIT 1ER ÉTAGE ASS.	1
32	PH26-040-0008revA	CISEAU EXT. GAUCHE 2E ÉTAGE ASS.	1
33	PH26-040-0009revB	CISEAU EXT. GAUCHE 3° ÉTAGE ASS.	1
34	PH26-043-0001revC	PIVOT	4
35	PH26-043-0002revC	PIVOT CENTRE	4
36	PH26-048-0001revB	PIVOT OREILLE	4
37	PH26-048-0003rev0	PIVOT 1-3/8 ATTACHE CYL. BAS	1
38	PH26-048-0005rev0	PIVOT 1-3/8 ATTACHE CYL. HAUT	1
39	PH26-048-0006revD	PIVOT 1 1/4 ROUE HAUT	1
40	PH26-048-0007revB	PIVOT 1 1/4	2
41	PH26-048-0010revB	PIVOT 1 1/2 CENTRAL	1
42	PH26-064-0350rev0	SUPPORT CÂBLE DESCENTE D'URGENCE	1
43	PH26-085-0004revB	ASSEMBLAGE BLOC HYDRAULIQUE DE LEVAGE	1
44	PLAFO-18-013	GRAISSEUR DROIT 1/4-28 (ZINC)	21
5	PLAFO-18-014	GRAISSEUR COUDE 90° 1/4-28 (ZINC)	1
46	PLAFO-18-088	BUTOIR D'ÉTAI CAOUTCHOUC	2

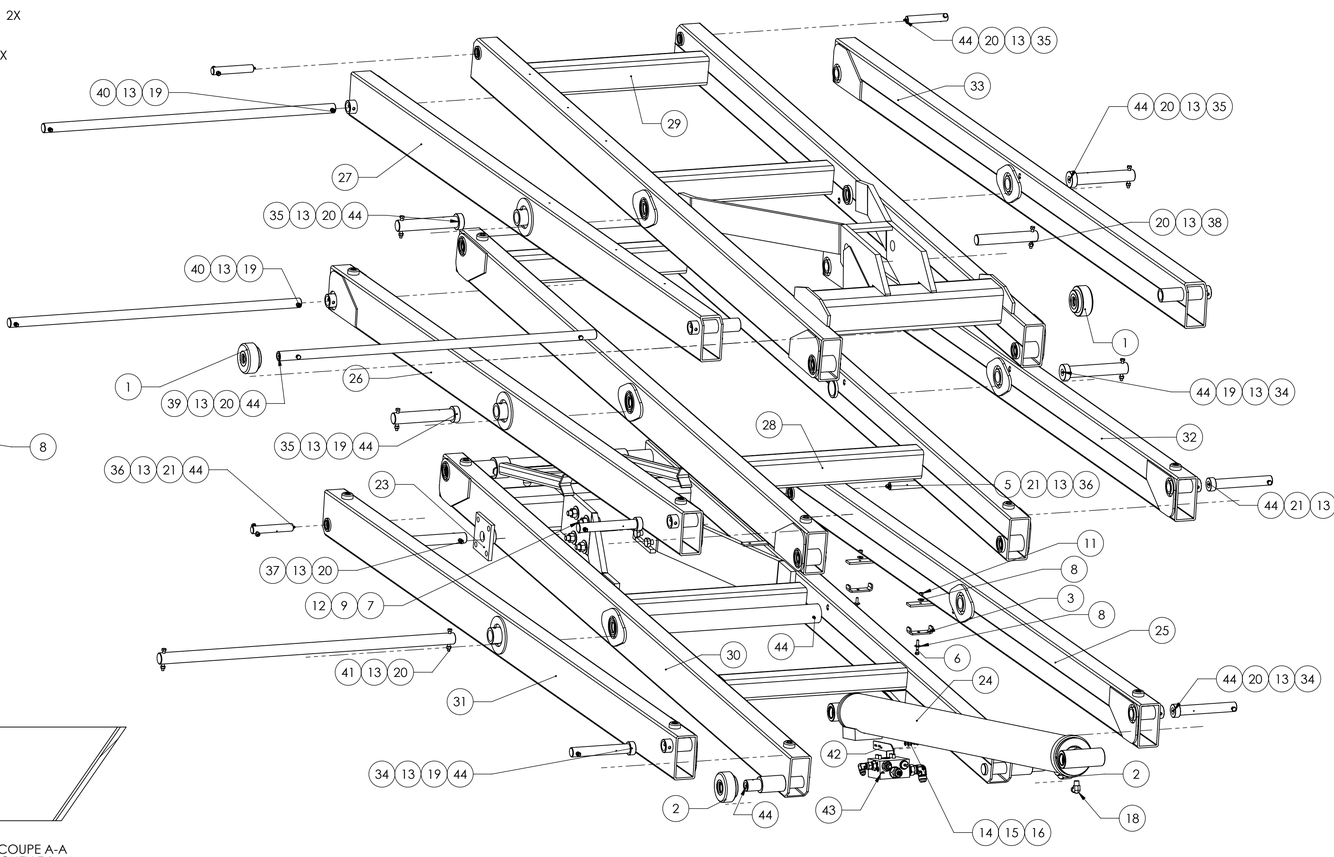


COUPE B-B
ECHELLE 1 : 4

COUPE E-E
ECHELLE 1 : 4



COUPE A-A
ECHELLE 1 : 4



	F1	AJOUT DE 2x ATTACHES ACPL-064-0202 POUR LES BOYAUX HYD. + VUE E	2018-09-06	S.M.
	F	MOD. BLOC LEVAGE + AJOUT SUPPRT DE CÂBLE DE TIRETTE D'URGENCE + GRAISSEUR 90° PIN D'ATTACHE À LA BASE DE GAUCHE	2018-06-04	S.M.
	E	MODIFICATION GÉNÉRALE	2018-04-24	S.M.
ZONE	REV.	DESCRIPTION	DATE	APPROUVE
REVISIONS				

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC: ± 0.015
2 DEC: ± 0.010
3 DEC: ± 0.005
ANGLE: ± 0.5°
FINI DE SURFACE: 125
COUPE AU LASER: ± 0.007

Tolérance de pliage	
Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plon-cher	± 1/8
Angle	± 0.5°

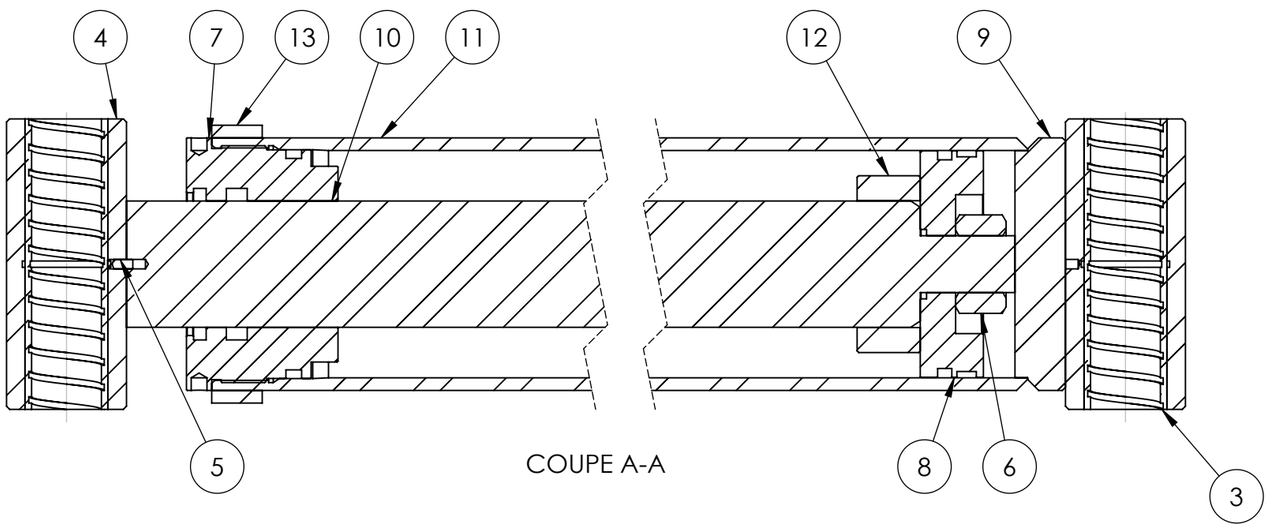
PROJET: PH26
TITRE: ASSEMBLAGE DU CISEAUX
DIMENSION: CATALOGUE DE PIÈCES
MATERIEL:
2018-10-01

PLAFOLIFT International

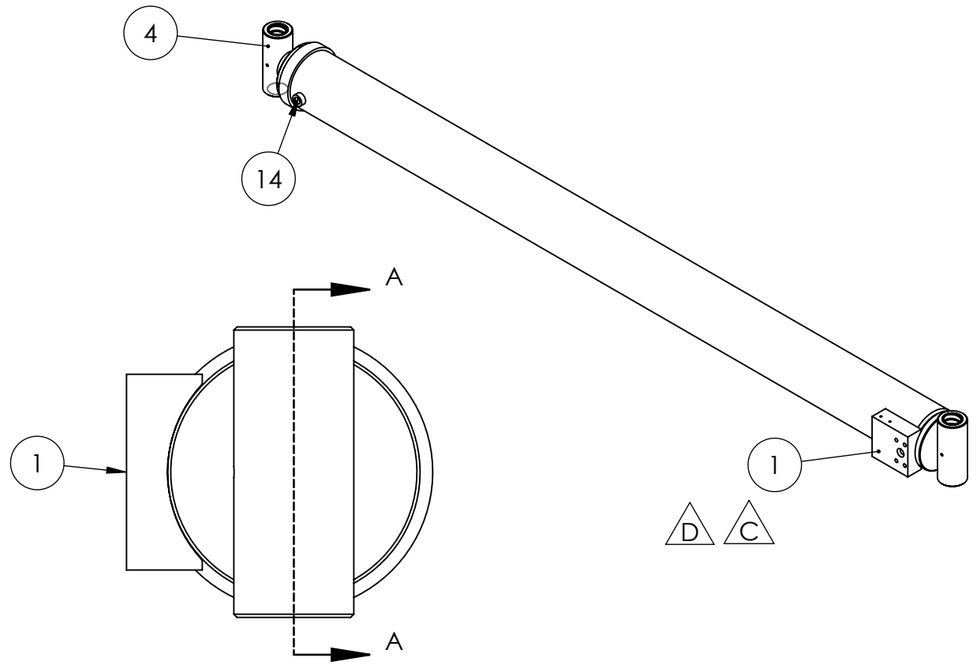
DWG # NO: PH26-003-0001
REV: F1
SCALE: 1:16 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

No. article	Numéro de pièce	TITRE	Quantité
1	ACPL-028-0006revC	FLANGE POUR BLOC HYDRAULIQUE	1
2*	ACPL-039-0015	ENSEMBLE DE JOINT 4 1/2 X 2 1/2	1
3	ACPL-047-0036revA	COUSSINET BRONZE	2
4	ACPL-049-0038revB	COUSINNET EXT 5 3/4LG	2
5	FIX-DP00.18X0.50	PIN 3/16 X 1/2	1
6	FIX-ENF01.12	ÉCROU 1 1/8-12 UNF	1
7	PH26-031-0002revA	TETE CYLINDRE 4 1/2	1

No. article	Numéro de pièce	TITRE	Quantité
8	PH26-032-0002revA	PISTON 4 1/2	1
9	PH26-033-0001rev0	FOND CYLINDRE 5"	1
10	PH26-034-0001revA	TIGE CYLINDRE 2 1/2 OD	1
11	PH26-035-0001revB	ENVELOPPE CYLINDRE	1
12	PH26-049-0014rev0	COUSSINET 3 1/2OD	1
13	PH26-065-0005rev0	COUSSINET 5" ID	1
14	SID DB 0.37 HD	BAGUE 3/8 NPT	1



COUPE A-A



REV.	DESCRIPTION	DATE	APPR
D	MOD. BLOC FLANGE FILET 3/8-16 ÉTAIT 3/8-24	2018-08-22	S.M.
C	AJOUT DE 2 TROUS DANS BLOC FLANGE ACPL-028-0006	2018-06-04	S.M.
B	MOD. DES PIÈCES #PH26-035-0001 & ACPL-028-0006	2018-01-23	S.M.
A	CHANGER TÊTE ET PISTON	2013-10-17	S.V.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

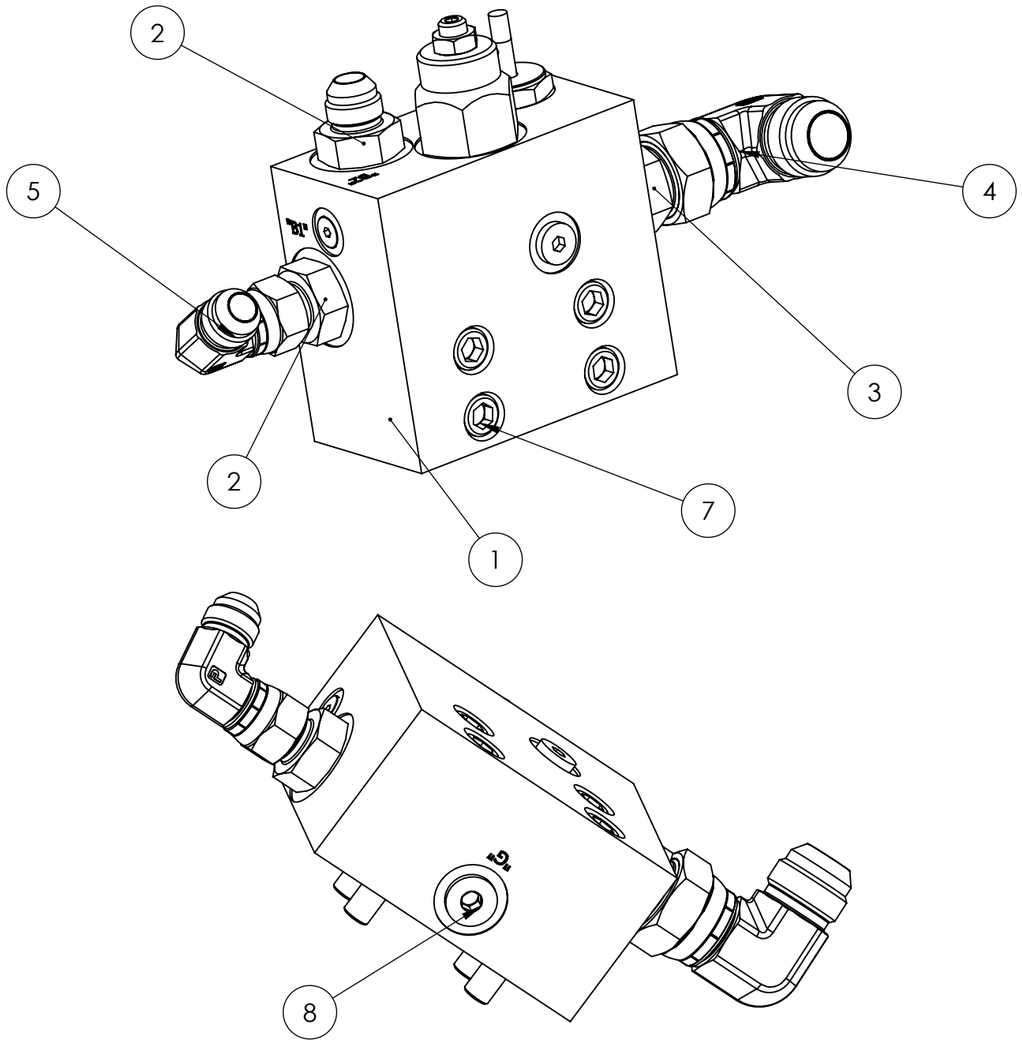
PROJET: PH26
TITRE: CYLINDRE DE LEVAGE
DIMENSION: CATALOGUE DE PIÈCES
MATERIEL:
FINITION: Peinture Noir Plafolift
DATE: 2018-08-29

PLAFOLIFT International

DWG. NO. PH26-030-0002
REV D

SCALE: 1:3 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

morste01



No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	EP2949	BLOC DE LEVAGE REV2	1
2	G60301-1008	ADAPTATEUR DROIT O-RING BOSS 10 - JIC 08 MÂLE	2
3	G60301-1012	ADAPTATEUR DROIT O-RING BOSS 10 - JIC 12 MÂLE	1
4	G60422-1212	ADAPTATEUR COUDE 90 JIC 12 FEM SWIVEL - JIC 12 MÂLE	1
5	G60422-0808	ADAPTATEUR COUDE 90 JIC 08 FEM SWIVEL - JIC 08 MÂLE	1
6	9452K34	O-RING 2-214 BUNA-N	1
7	HX-SHCS 0.375-24x2.5x1.5-N	SHCS 3/8-24 x 2.5PO	4
8	50925K435	BOUCHON O-RING BOSS SAE 06	1

REV.	DESCRIPTION	DATE	APPR
B	AJOUT DE LA FONCTION BY-PASS DE SECOURS DANS LE BLOC	2018-06-04	S.M.
A	MODIFICATION GÉNÉRALE	2018-05-23	S.M.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET:

TITRE: ASSEMBLAGE BLOC HYDRAULIQUE DE LEVAGE

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-08-29

PLAFOLIFT International

DWG. NO. PH26-085-0004

REV B

SCALE: 1:2 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

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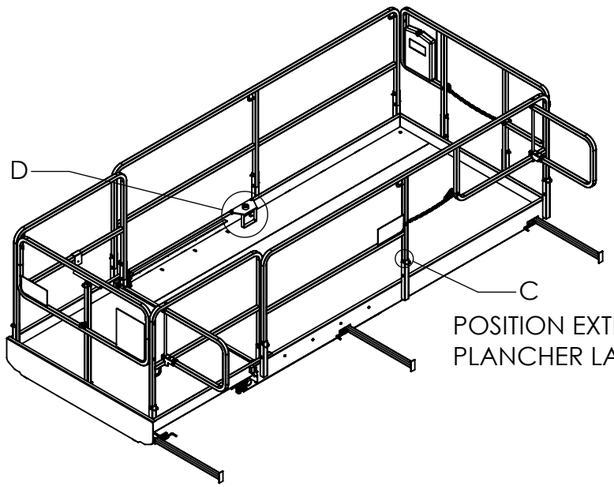
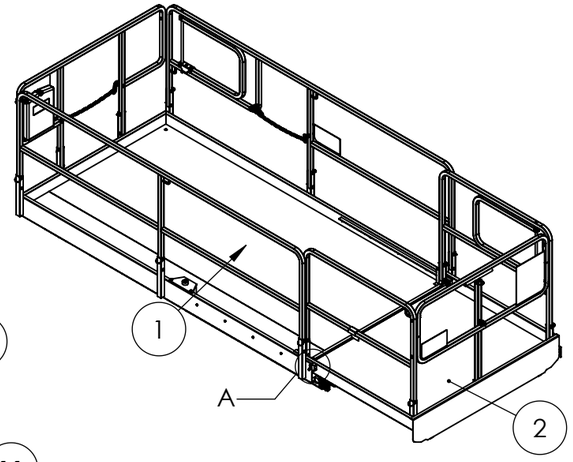
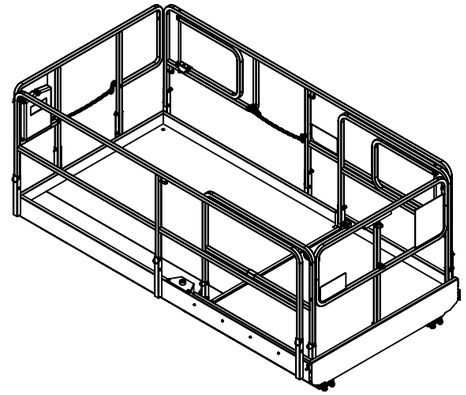
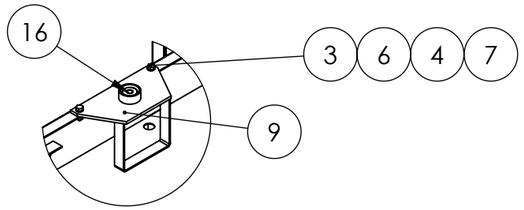


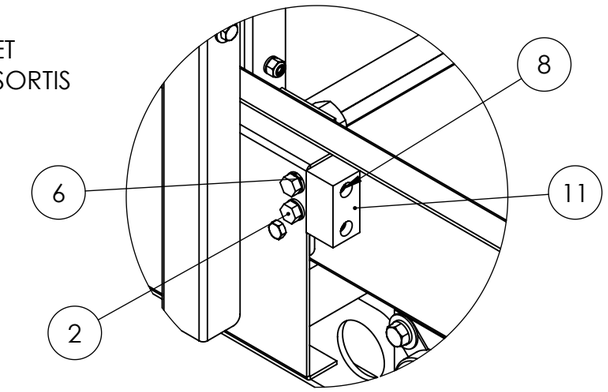
POSITION EXTENSION ET
PLANCHER LATÉRALE SORTIS



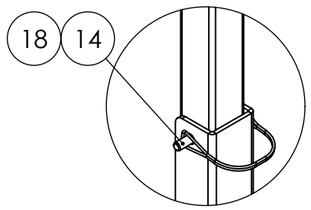




DÉTAIL D
ECHELLE 1 : 12



DÉTAIL A
ECHELLE 1 : 4



DÉTAIL C
ECHELLE 1 : 4

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	Qté
1	FIX-DB5HG00.25X0.50	HHCS 1/4-20x1/2PO ZINC	9
2	FIX-DB5HG00.31X0.75	HHCS 5/16-18 x 0.75PO (ZINC)	4
3	FIX-DB5HG00.31X1.00	HHCS 5/16-18 x 1PO (ZINC)	2
4	FIX-DRO00.31	RONDELLE PLATE 5/16 (ZINC)	2
5	FIX-DRR00.25	RONDELLE RESSORT 1/4PO (ZINC)	9
6	FIX-DRR00.31	RONDELLE RESSORT 5/16PO (ZINC)	6
7	FIX-ENG00.31	ÉCROU HEX 5/16-18 (ZINC)	2
8	HX-SHCS 0.25-20x0.75x0.75-N	SHCS 1/4-20 x 0.75PO (ZINC)	4
9	PH26-016-0056rev0	PROTECTION BOITIER ÉLECTRIQUE	1
10	PH26-050-0010revE	PLANCHER PRINCIPAL ASS.	1
11	PH26-050-0100rev0	BUMPER 1x1x2PO POUR PLATEFORME	2
12	PH26-055-0000revF	EXTENSION DE PLANCHER ASS.	1
13	PH26-061-0026revC	BUTÉE POUR GLISSIÈRE PLANCHER EXTENSIBLE	2
14	PH26-064-0134rev0	GOULOTTE POUR CABLE ÉLECTRIQUE	1
15	PH26-064-0135rev0	GOULOTTE POUR CABLE ÉLECTRIQUE	1
16	PLAFO-18-061	NIVEAU À BULLE	1
17	PLAFO-18-063	LANYARD EN NYLON Ø.093 x 8PO LONG	14
18	PLAFO-18-071	GOUPILLE AVEC RETENUE Ø1/4 x 1-3/4PO (ZINC)	14

REV.	DESCRIPTION	DATE	APPR
D1	REMPLACEMENT DES LANYARD EN SS PAR DES LANYARD EN NYLON	2018-07-20	S.M.
D	MODIFICATIONS GÉNÉRALES	2018-05-01	S.M.
C	CHANGER SYSTEM GARD-CORPS LATERAL	2013-12-17	S.V.
B	CHANGER EPÉE MESURES ÉTAIT 122 1/16 ET 163 3/8	2013-12-17	S.V.
A	FERME 122 1/16 ÉTAIT 121 9/16 / CONTRAIT AV VERROU	2013-10-13	S.V.

REVISIONS

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET: PH26
TITRE: PLANCHER AVEC EXTENTION
DIMENSION: CATALOGUE DE PIÈCES
MATERIEL:
FINITION:
DATE: 2018-10-01

PLAFOLIFT International

DWG. NO. PH26-050-0000
REV D1

SCALE: 1:44 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

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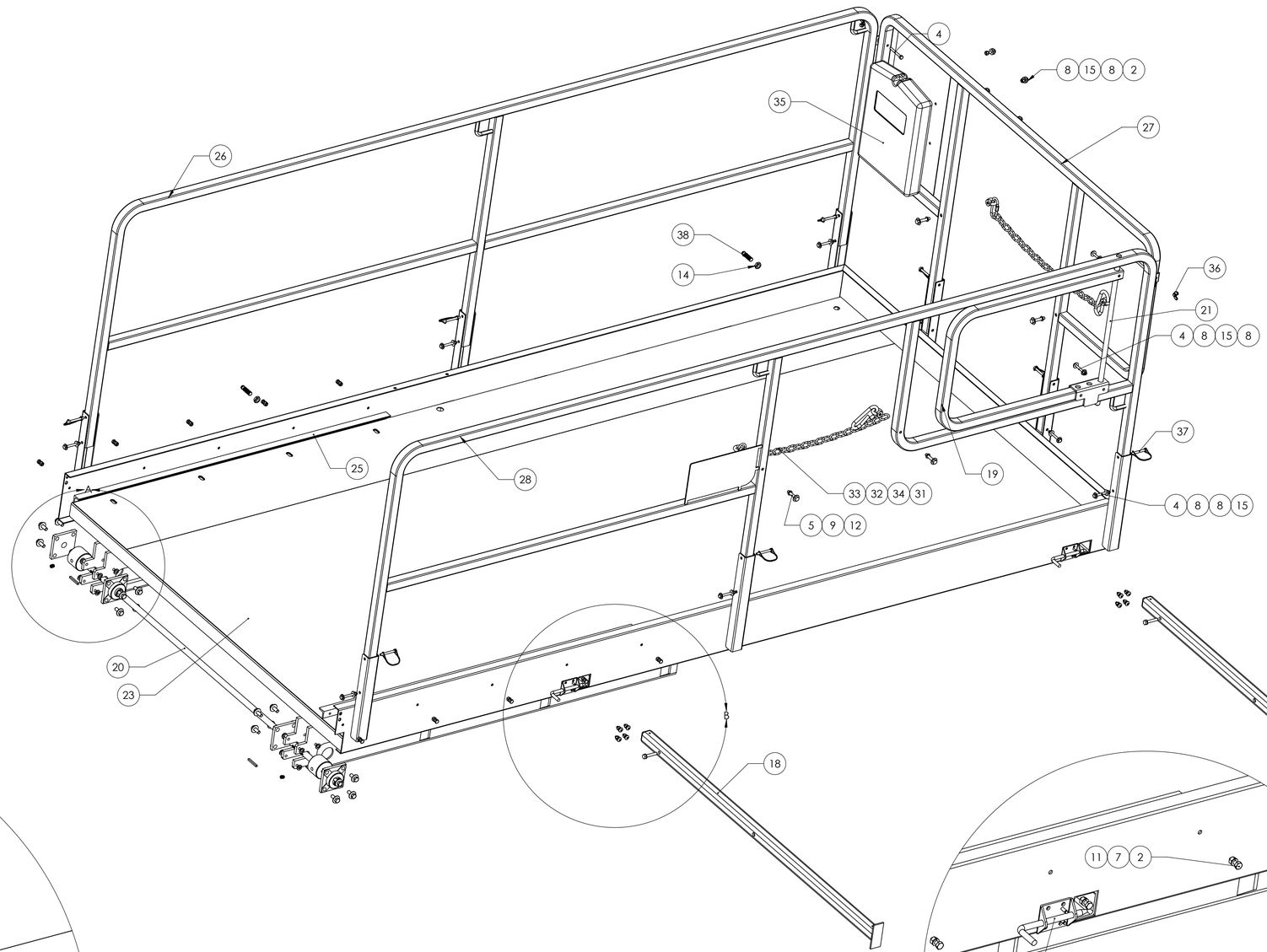
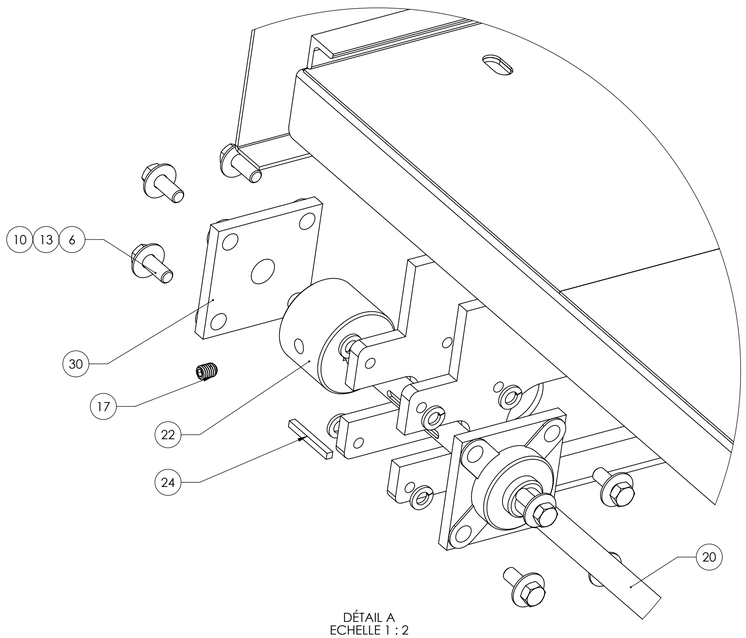
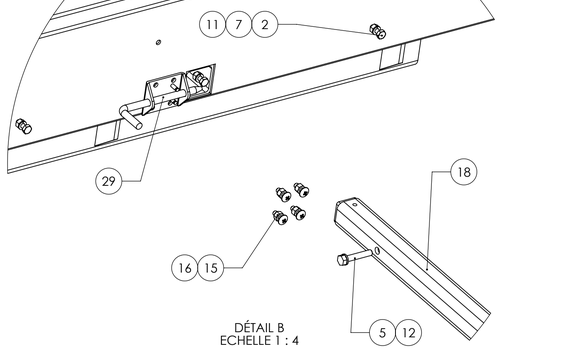
No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	CACC-NR00.37X1.00X0.25	RONDELLE UHMW Ø3/8 x 1 x 1/4PO	2
2	FIX-DB5HG00.25X0.75	HHCS 1/4-20 x 0.75PO (ZINC)	14
3	FIX-DB5HG00.25X1.75	HHCS 1/4-20 x 1-3/4PO (ZINC)	1
4	FIX-DB5HG00.25X2.25	HHCS 1/4-20 x 2-1/4PO (ZINC)	11
5	FIX-DB5HG00.31X1.75	HHCS 5/16-18 x 1-3/4PO (ZINC)	6
6	FIX-DB5HG00.37X1.00	HHCS 3/8-16 x 1PO (ZINC)	16
7	FIX-DE5HG00.25	ÉCROU HEX. 1/4-20 (ZINC)	10
8	FIX-DRO00.25	RONDELLE PLATE 1/4PO (ZINC)	28
9	FIX-DRO00.31	RONDELLE PLATE 5/16 (ZINC)	4
10	FIX-DRO00.37	RONDELLE PLATE 3/8PO (ZINC)	16
11	FIX-DRR00.25	RONDELLE RESSORT 1/4PO (ZINC)	10
12	FIX-DRR00.31	RONDELLE RESSORT 5/16PO (ZINC)	6
13	FIX-DRR00.37	RONDELLE RESSORT 3/8PO (ZINC)	16
14	FIX-ENGDEMIM12X1	DEMI ÉRCOU HEX. M12x1 (ZINC)	2
15	FIX-ENGFREIN00.25	ÉCROU HEX. NYLON STOP 1/4-20 (ZINC)	22
16	FIX-IVMRE00.25X0.75	VIS TÊTE RONDE 1/4-20 x 3/4PO (ZINC)	8
17	FIX-SHSS-I-0.375-16-0.5-Z	SET SCREW 3/8-16 x 1/2PO (ZINC)	2
18	PH26-016-0044revB	ÉPÉE LATÉRALE	2
19	PH26-016-0049rev0	EXTENSION DE GARDE-COPRS	1
20	PH26-048-0011revB	PIVOT PLANCHER EXTENSIBLE	1
21	PH26-048-0012revA	PIVOT GARDE-CORPS LATÉRAL	1
22	PH26-049-0016revA	ROUE PLANCHER EXTENSIBLE	2
23	PH26-050-0020revE	PLATEFORME SOUDÉE	1
24	PH26-061-0024revA	CLAVETTE RECTANGLE 3/16PO x 1-3/4PO	2
25	PH26-067-0007rev0	RAIL PLANCHER EXT.	2
26	PH26-070-0001revB	GARDE-CORPS CÔTÉ DROIT	1
27	PH26-070-0002rev0	GARDE-CORPS ARRIÈRE	1
28	PH26-070-0009revB	GARDE-CORPS CÔTÉ GAUCHE	1
29	PLAFO-18-018	VERROU À RESSORT	2
30	PLAFO-18-064	PALIER POUR AXE DE ROULETTE D'EXTENSION	4
31	PLAFO-18-065	MAILLE RAPIDE POUR CHAINE	2
32	PLAFO-18-066	MOUSQUETON POUR CHAINE	2
33	PLAFO-18-067	CHAINE GRADE 30	2
34	PLAFO-18-068	ÉCROU À OEIL 5/16-18 Ø3/4PO (ZINC)	4
35	PLAFO-18-069	BOITIER DE MANUEL ÉTANCHE	1
36	PLAFO-18-070	ÉCROU À OREIL NYLON STOP 1/4-20 (ZINC)	2
37	PLAFO-18-071	GOUPILLE AVEC RETENUE Ø1/4 x 1-3/4PO (ZINC)	8
38	ST40-4006	CAPTEUR DE PROXIMITÉ	2





DÉTAIL A
ECHELLE 1 : 2



DÉTAIL B
ECHELLE 1 : 4

	E	MODIFICATION GÉNÉRALE	2018-05-28	S.M.
ZONE	REV.	DESCRIPTION	DATE	APPROUVE
REVISIONS				

Tolérance générales sauf si indication
FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

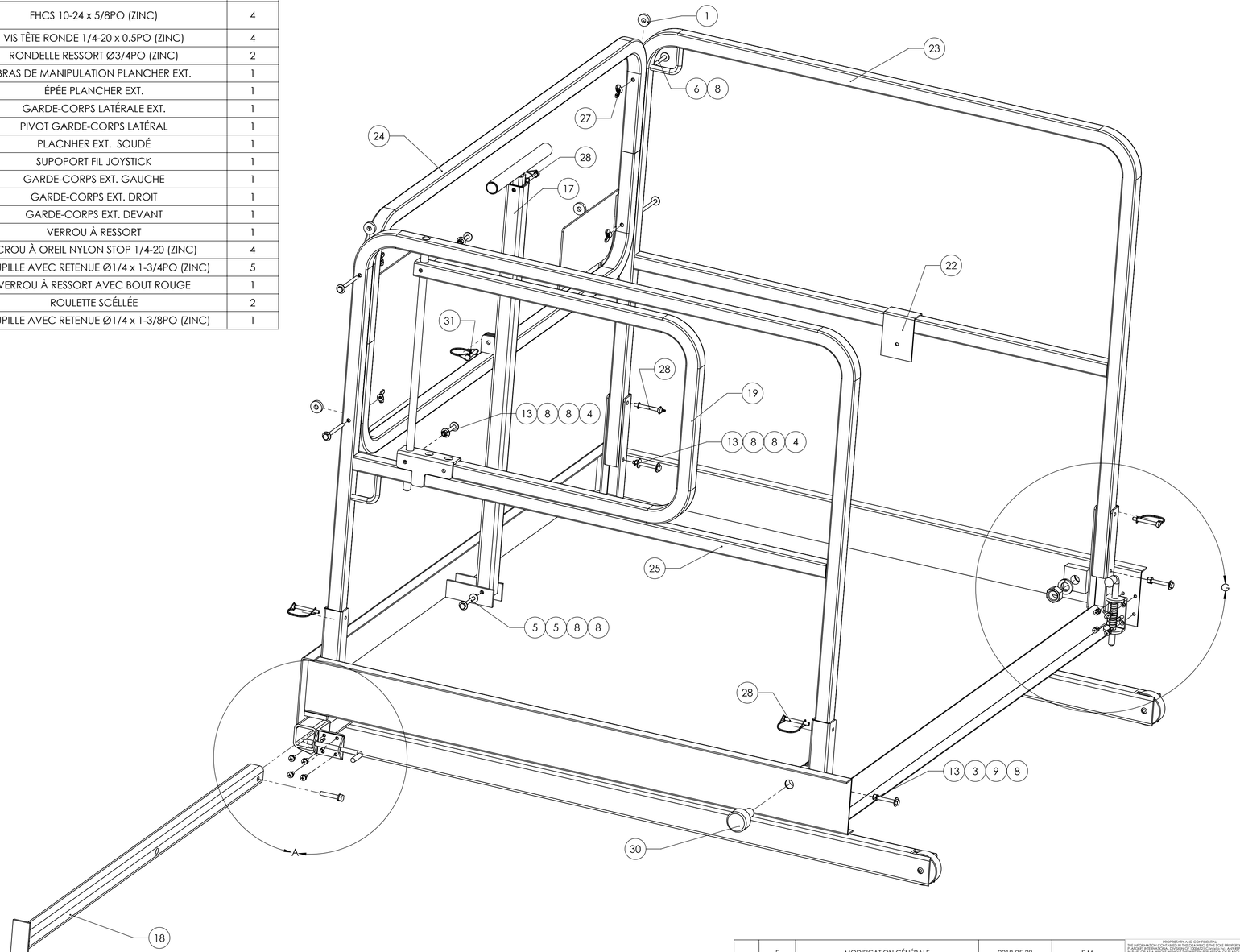
Tolerance de pliage	
Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

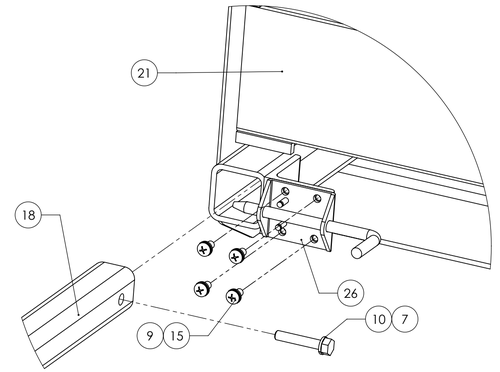
PROJET: PH26
TITRE: PLANCHER ASS.
DIMENSION: CATALOGUE DE PIÈCES
MATERIEL:
2018-10-15

PLAFOLIFT International

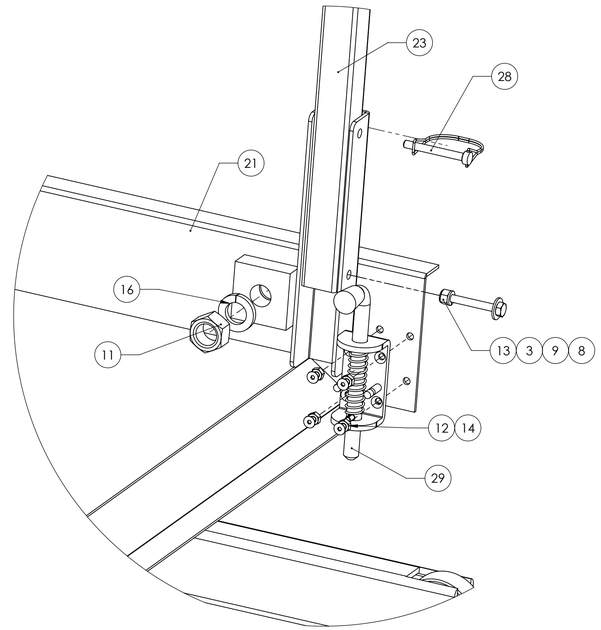
DWG # NO: PH26-050-0010
REV: E1
SCALE: 1:8 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	CACC-NR00.37X1.00X0.25	RONDELLE UHMW Ø3/8 x 1 x 1/4PO	4
2	FIX-DB5HG00.25X1.75	HHCS 1/4-20 x 1-3/4PO (ZINC)	1
3	FIX-DB5HG00.25X2.00	HHCS 1/4-20 x 2PO (ZINC)	2
4	FIX-DB5HG00.25X2.25	HHCS 1/4-20 x 2-1/4PO (ZINC)	3
5	FIX-DB5HG00.25X2.50	HHCS 1/4-20 x 2-1/2PO (ZINC)	1
6	FIX-DB5HG00.25X3.25	HHCS 1/4-20 x 3-1/4PO (ZINC)	4
7	FIX-DB5HG00.31X1.75	HHCS 5/16-18 x 1-3/4PO (ZINC)	1
8	FIX-DRO00.25	RONDELLE PLATE 1/4PO (ZINC)	16
9	FIX-DRR00.25	RONDELLE RESSORT 1/4PO (ZINC)	6
10	FIX-DRR00.31	RONDELLE RESSORT 5/16PO (ZINC)	1
11	FIX-E5HF00.75	ÉCROU HEX. NYLON STOP 3/4-16 (ZINC)	2
12	FIX-ENG10-24	ÉCROU HEX. 10-24 (ZINC)	4
13	FIX-ENGFREIN00.25	ÉCROU HEX. NYLON STOP 1/4-20 (ZINC)	7
14	FIX-FHCS-10-24x.625PO-Zinc	FHCS 10-24 x 5/8PO (ZINC)	4
15	FIX-IVMRE00.25X0.50	VIS TÊTE RONDE 1/4-20 x 0.5PO (ZINC)	4
16	FIX-RR00.75	RONDELLE RESSORT Ø3/4PO (ZINC)	2
17	PH26-016-0032revA	BRAS DE MANIPULATION PLANCHER EXT.	1
18	PH26-016-0043revA	ÉPÉE PLANCHER EXT.	1
19	PH26-016-0048rev0	GARDE-CORPS LATÉRALE EXT.	1
20	PH26-048-0012revA	PIVOT GARDE-CORPS LATÉRAL	1
21	PH26-055-0010revC	PLACNHER EXT. SOUDÉ	1
22	PH26-064-0088rev0	SUPOPORT FIL JOYSTICK	1
23	PH26-070-0005revA	GARDE-CORPS EXT. GAUCHE	1
24	PH26-070-0006revA	GARDE-CORPS EXT. DROIT	1
25	PH26-070-0008revA	GARDE-CORPS EXT. DEVANT	1
26	PLAFO-18-018	VERROU À RESSORT	1
27	PLAFO-18-070	ÉCROU À OREIL NYLON STOP 1/4-20 (ZINC)	4
28	PLAFO-18-071	GOUPILLE AVEC RETENUE Ø1/4 x 1-3/4PO (ZINC)	5
29	PLAFO-18-072	VERROU À RESSORT AVEC BOUT ROUGE	1
30	PLAFO-18-073	ROULETTE SCÉLLÉE	2
31	PLAFO-18-074	GOUPILLE AVEC RETENUE Ø1/4 x 1-3/8PO (ZINC)	1





DÉTAIL A
ECHELLE 2 : 5



DÉTAIL G
ECHELLE 2 : 5

	F	MODIFICATION GÉNÉRALE	2018-05-28	S.M.
ZONE	REV.	DESCRIPTION	DATE	APPROUVE
REVISIONS				

Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage	
Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET:	PH26
TITRE:	PLANCHER EXTENSIBLE
DIMENSION:	CATALOGUE DE PIÈCES
MATERIEL:	
	2018-10-01

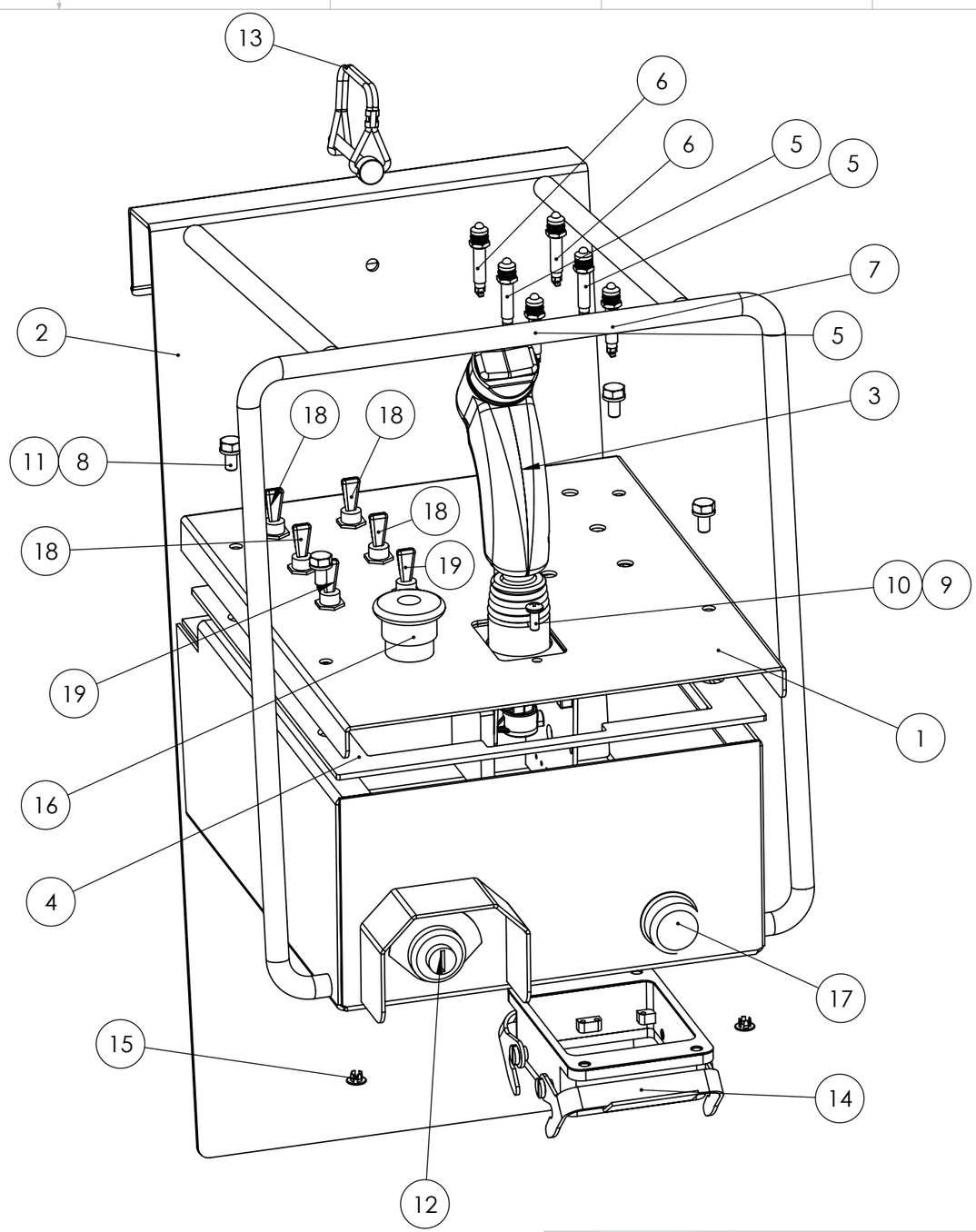
PLAFOLIFT International

DWG # NO: PH26-055-0000

REV: F

SCALE: 1:5 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

No. ARTICLE	NUMERO DE PIECE	DESCRIPTION	QTE
1	ACPL-022-0004revC	DESSUS BOITE JOYSTICK	1
2	ACPL-022-0010revA	ASSEMBLAGE SOUDÉ BOITIER CONTROLE	1
3	ACPL-022-0100	JOYSTICK PROPORTIONNEL	1
4	ACPL-022-0200rev0	Joint d'étanchéité du boitier de Joystick	1
5	ACPL-022-0201	LUMIÈRE JAUNE	3
6	ACPL-022-0202	LUMIÈRE ROUGE	2
7	ACPL-022-0203	LUMIÈRE VERTE	1
8	FIX-DB5HG00.25X0.50	HHCS 1/4-20x1/2PO ZINC	4
9	FIX-IRR10	Rondelle Frein #10 ZINC	2
10	FIX-IVMRE10-32X0.50	VIS TÊTE RONDE 10-32x 0.5PO (ZINC)	2
11	FIX-RR00.25	Rondelle Frain 1/4PO ZINC	4
12	PH26-023-0140	CONTACTEUR KUBOTA	1
13	PLAFO-18-075	Locking Pin Ø1/4PO x 2-1/2PO (Zinc)	1
14	PLAFO-18-076	CHÂSSIS PRISE RAPIDE BOITIER	1
15	PLAFO-18-089	BOUCHON METAL 1/4PO PLAQUÉ ZINC	2
16	ST30-3022	BOUTON ARRÊT D'URGENCE	1
17	ST30-3026/3028	BOUTON POUSSOIR VERT	1
18	ST50-5001	CONTACTEUR 3 POSITIONS - RETOUR CENTRE	4
19	ST50-5002	CONTACTEUR 2 POSITIONS	2



Tolérance générales sauf si indication

FRACT: 1/16
1 DEC ± 0.015
2 DEC ± 0.010
3 DEC ± 0.005
ANGLE ± 0.5°
FINI DE SURFACE 125
COUPE AU LASER: ± 0.007

Tolérance de pliage

Jauge	Tolérance
20 A 11	± 1/32
3/16 A 3/8	± 1/16
Plancher	± 1/8
Angle	± 0.5°

PROJET:

TITRE: BOITIER CONTRÔLE ASS.

DIMENSION: CATALOGUE DE PIÈCES

MATERIEL:

FINITION:

DATE: 2018-10-15

PLAFOLIFT International

DWG. NO. ACPL-022-0000

REV A1

SCALE: 1:3 | SHEET 1 OF 1 | DO NOT SCALE DRAWING

REV.	DESCRIPTION	DATE	APPR
A	MODIFICATIONS GÉNÉRALES	2018-05-28	S.M.

REVISIONS

morste01