



WAYNE
ENGINEERING

TomCat[®] Side Loader

8 Yard with Bustle Tailgate

Operation, Service and Parts Manual



This is to announce that Curbtender, Inc. has purchased the assets of Wayne Industrial Holdings as of October 2017. Thank you for choosing Curbtender for your refuse collection needs. This manual contains information needed for proper operation, maintenance and care of your Curbtender product.

We are currently conducting a program to upgrade and update our technical publications. This will be a lengthy process covering all of our products. Please bear with us during this upgrade. This program will begin with updating cover, contact information, and warranty statements. Updates to the body content of publications will follow in stages on a product by product basis.

All references to Wayne, Wayne Engineering, Wayne Engineering LLC, Wayne Industrial Holdings and WIH in the body content of these publications can be considered to be a reference to Curbtender, Inc. during the interim of the technical publications update.

Curbtender, INC.

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Parts & Service - Extension 380

www.curbtender.com

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SAFETY FIRST

IT IS ESSENTIAL THAT THIS HANDBOOK IS READ AND UNDERSTOOD BEFORE OPERATING THE MACHINE, SO THAT SAFETY PROCEDURES AND EQUIPMENT CAN BE USED CORRECTLY IN THE EVENT OF AN EMERGENCY.

This handbook is intended primarily as a guide, and it should be used only in conjunction with a period of formal instruction to ensure complete competence.

Care and attention, will ensure efficient and safe performance and operation. You must have the maintenance operations carried out at the periods specified in "Preventative Maintenance".

Never run the vehicle in a doubtful condition - report back to your Garage/Maintenance Department for inspection and competent attention.

L.H. and R.H. side indicates position when sat in the Driver's seat.

Read and remember the safety precautions. These are given for your protection and must be followed at all times.

Any unauthorized modification of this equipment is prohibited.



DO NOT OPERATE THE MACHINE UNLESS ALL SAFETY AND EMERGENCY CONTROLS ARE FUNCTIONING CORRECTLY.

THIS HANDBOOK SHOULD ALWAYS BE KEPT IN THE VEHICLE FOR WHICH IT WAS ISSUED.

IMPORTANT FOR YOUR SAFETY:

Before operating this vehicle, it is essential that this operator's handbook is read and understood and that training has been undertaken in the correct and safe use of this vehicle. This handbook covers only the TomCat equipment: important safety information will also be found in the applicable chassis manual or handbook, which must therefore be read in conjunction with this handbook.

Although every endeavor is made to be technically accurate in the compilation of this handbook, it is requested that the reader contact Wayne Engineering should any error be noticed.

GENERAL

The TomCat design offers the operator low loading height and high compaction and it offers transfer capability to a rear loader. There is also an automatic packing cycle switch in the cab for packing on the go. However, any machinery that applies a force through hydraulic pressure presents a safety concern. The ultimate responsibility for safety rests with you, the operator. An alert, conscientious attitude and observance of all known safe-operating practices are the best ways to prevent accidents.

An untrained operator presents a safety hazard. Before operating the TomCat or using the controls to move any components, it is the operator's responsibility to be thoroughly familiar with the instructions and safety precautions contained in the operator's manual.

Publication of these precautions does not imply or in any way represent an all-inclusive list. It is the operator's responsibility to be familiar with and ensure that operation is in accordance with safety requirements and codes including all applicable Occupational Safety & Health Act (OSHA) and American National Standards Institute (ANSI) regulations.

In accordance with ANSI Standard Z245.1, employers are responsible for ensuring that all employees who operate or service the TomCat thoroughly review and become familiar with the units service manuals. To receive a copy of this document, contact EIA's Publication Sales Office at 1-800-424-2869.

DANGER, WARNING, AND CAUTION DECALS

See the accompanying pages for illustrations of all safety decals.



- 1) These decals must be obeyed at all times.
- 2) These decals must be in place at all times.
- 3) Report any missing decals to the proper authority at once.
- 4) Replacement decals can be ordered free of charge from your local authorized Wayne distributor.

DANGER, WARNING, CAUTION and **IMPORTANT** blocks appear throughout this manual and on safety decals.

The word **DANGER** precedes information pertaining to specific immediate hazards which if disregarded **WILL RESULT** in severe personal injury or death of the user or others.

The word **WARNING** precedes information pertaining to hazards or unsafe practices that **COULD RESULT** in personal injury or death.

Section 2 – Safety Precautions

The word **CAUTION** precedes information pertaining to potential hazards or unsafe practices which, if disregarded, **MAY RESULT** in minor personal injury or damage to the equipment.

The word **IMPORTANT** precedes information that is vital to the proper operation or maintenance of the equipment.

The word **NOTE** proceeds to general reference information that might be helpful in the operation and maintenance of the TomCat Side Loader.

DECALS

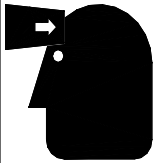
| REF NO. | QTY. | PART NUMBER | DESCRIPTION |
|---------------------------------|------|----------------|------------------------------------|
| DECAL KIT 00-33043-00-AC | | | |
| 1* | 3 | 00-30619-00-WA | DECAL, TOMCAT |
| 2* | 2 | 332-010-003 | REFLECTOR, RED |
| 3 | 1 | 00-32178-00-OB | DECAL, PROP OPERATION |
| 4* | 22F | 07-11032-01-R | DECAL, REFLECTIVE CONSPICUITY TAPE |
| 5 | 2 | 00-27098-00-OA | DECAL, BODY PROP. |
| 6 | 2 | 00-26490-01-OA | DECAL, DANGER, STAND CLEAR |
| 7* | 4F | 07-11032-00-R | DECAL, CONSPICUITY TAPE, WHITE |
| 8* | 1 | 00-33042-02-OA | DECAL, PACK CONTROL, RH |
| 9 | 2 | 00-26849-00-OA | DECAL, DANGER, BODY ENTRY |
| 10* | 1 | 00-33159-00-OA | DECAL, EJECT, TC |
| 11 | 2 | 00-26478-00-WA | DECAL, WARNING, CLEAN-OUT DOOR |
| 12* | 1 | 00-33042-01-OA | DECAL, PACK CONTROL, LH |
| 13* | 1 | 332-031-004 | GROMMET |
| 14* | 1 | 00-30578-00-OA | GROMMET FILLER |
| 15* | 1 | 00-09587-00-WA | DECAL, ENGINE ACCELERATOR |
| 16 | 1 | 00-26485-00-WA | DECAL, ANSI |
| 17* | 1 | 00-33041-00-OB | DECAL, REAR VALVE |
| 18* | 4 | 450-003-005 | RIVET, POP |
| 19* | 1 | 00-26778-00-WA | SERIAL NUMBER PLATE |
| 20 | 1 | 00-33039-00-OC | DECAL, LUBRICATION |
| 21 | 2 | 00-26482-00-WA | DECAL, DO NOT ENTER |
| 22 | 1 | 00-26484-00-WA | DECAL, FILTER CHANGE |
| 23 | 1 | 00-17895-01-WA | DECAL, WAYNE LOGO, BLACK |
| 24* | 1 | 00-17895-02-WA | DECAL, WAYNE LOGO, WHITE |
| 25 | 1 | 00-26491-00-WA | DECAL. HYD. FLUID ONLY |
| 26 | 1 | 00-26492-00-WA | DECAL, OIL LEVEL |
| 27 | 1 | 00-26488-00-WA | DECAL, DO NOT OPERATE (CAB) |
| 28 | 1 | 00-26489-00-WA | DECAL, OVERHEAD CLEARANCE (CAB) |
| 29 | 1 | 00-26493-00-WA | DECAL, WARNING, VEHICLE HEIGHT |

*Decals Not Shown

Section 2 – Safety Precautions

DECALS

11

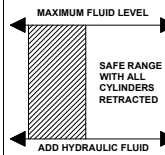


▲ WARNING
KEEP DOOR CLOSED WHEN PACKER/EJECTOR PANEL IS IN MOTION
DO NOT OPEN CLEAN-OUT DOOR UNLESS LOCKOUT/TAGOUT PROCEDURES ARE IN EFFECT
 00-26478-00-WA

25

HYDRAULIC FLUID ONLY
 00-26491-00-WA

26



MAXIMUM FLUID LEVEL
SAFE RANGE WITH ALL CYLINDERS RETRACTED
ADD HYDRAULIC FLUID

APPROVED HYDRAULIC FLUIDS:
 - WAYNE POWER FLUID
 - EXXON MOBIL DTE55
 - CHECK WITH FACTORY FOR COMPATIBILITY OF ADDITIONAL FLUIDS

www.WayneUSA.com
 00-26492-00-WA

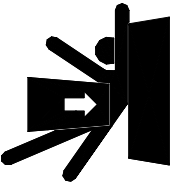
23



22

FILTER ELEMENT CHANGE
 TO ENSURE OIL CLEANLINESS AND LONGER MACHINE LIFE CHANGE THE ELEMENT WHEN INDICATED. CHECK INDICATOR AFTER THE OIL IS WARM AND WITH THE ENGINE AT IDLE SPEED.
 00-26484-00-WA

9



▲ WARNING
DO NOT ENTER UNLESS LOCKOUT/TAGOUT PROCEDURES ARE IN EFFECT
 00-26849-00-OA

16

THIS UNIT CONFORMS TO ALL AMERICAN NATIONAL STANDARDS INSTITUTE SAFETY REQUIREMENTS Z245.1 IN EFFECT ON THE DATE OF MANUFACTURE
 00-26485-00-WA

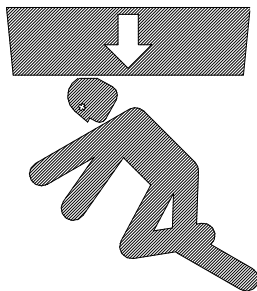
6

▲ DANGER



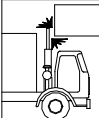
STAND CLEAR WHEN TAILGATE IS IN MOTION AND DURING UNLOADING CYCLE
DO NOT STAND OR CROSS UNDER RAISED TAILGATE UNLESS PROPS ARE IN PLACE AND LOCKOUT/TAGOUT PROCEDURES ARE IN EFFECT
 00-26600-00-WA

5



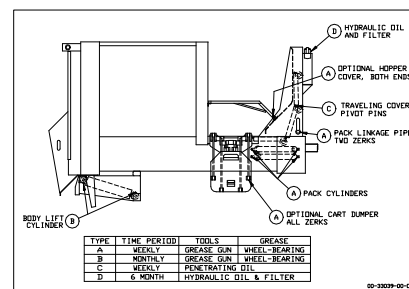
▲ DANGER
DO NOT ENTER UNDER BODY UNLESS PROP(S) SECURED IN POSITION & BODY IS UNLOADED
LOCKOUT/TAGOUT REQUIRED
 00-27098-00-OA

29



▲ WARNING
THIS VEHICLE REQUIRES OF OVERHEAD CLEARANCE AS ORIGINALLY MOUNTED
 00-26493-00-WA

20



21



▲ DANGER
DO NOT ENTER USE ONLY THE SIDE ACCESS DOOR TO ENTER OR EXIT THE BODY
LOCKOUT/TAGOUT OPERATION REQUIRED
 00-26482-00-WA

27

▲ WARNING
DO NOT OPERATE OR SERVICE THIS MACHINE UNLESS:
 YOU ARE QUALIFIED BY TRAINING AND EXPERIENCE IN THE SAFE OPERATION OF THIS MACHINE. TRAINING INCLUDES COMPLETE KNOWLEDGE OF YOUR EMPLOYER'S WORK RULES, ALL GOVERNMENTAL REGULATIONS, AND MANUFACTURER'S OPERATOR AND SAFETY MANUALS RELATIVE TO THIS MACHINES SAFE USE.
AN UNTRAINED OPERATOR SUBJECTS HIMSELF AND OTHERS TO DEATH OR SERIOUS INJURY
 00-26488-00-WA

28

▲ WARNING
OVERHEAD CLEARANCE HAZARD CHECK OVERHEAD CLEARANCE BEFORE ACTUATING ANY CONTROLS
 00-26459-00-WA

3

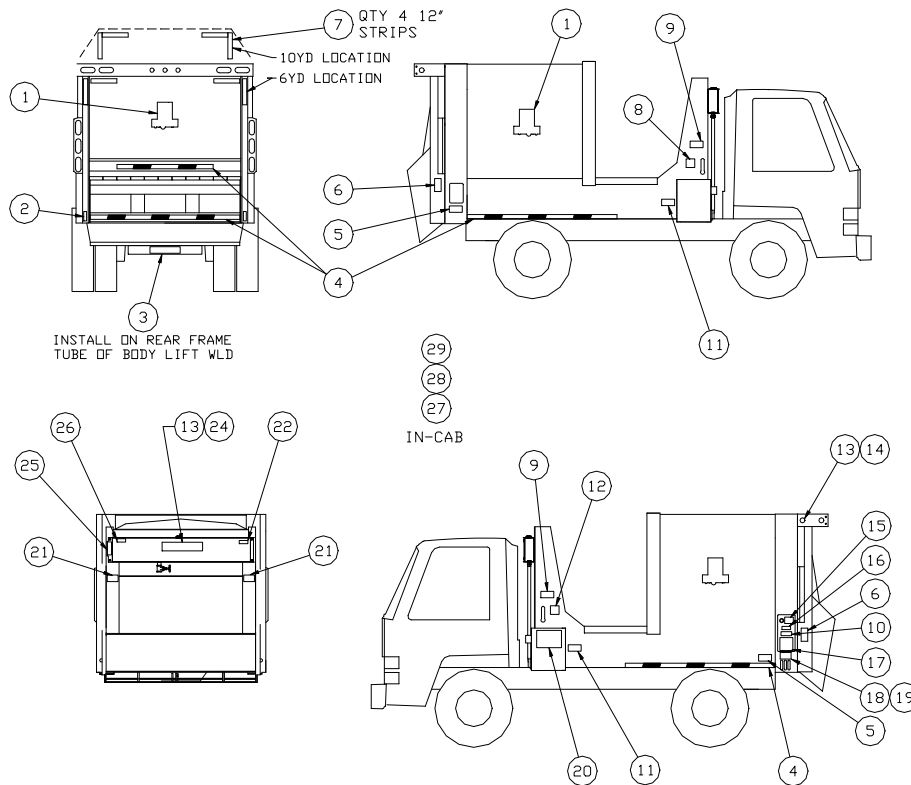
BODY PROP OPERATION

▲ CAUTION
 BODY MUST BE UNLOADED BEFORE USING PROPS. ALL PROP(S) MUST BE USED TO SUPPORT BODY.
 TO USE PROPS:
 1) RAISE BODY TO A HEIGHT WHERE PROP(S) CAN BE SWUNG INTO POSITION.
 2) REMOVE BODY PROP RETAINER AND SWING BODY PROP(S) TO SUPPORT POSITION AND INSTALL RETAINER TO HOLD PROP IN POSITION.
 3) LOWER BODY UNTIL BODY PROPS SUPPORT THE WEIGHT OF BODY AND VISUALLY INSPECT TO SEE THAT PROPS ARE SECURE. DO NOT POWER BODY DOWN PAST THIS POSITION, DAMAGE TO BODY AND PROP MAY OCCUR.

▲ DANGER
 DO NOT ENTER UNDER THE BODY AREA UNLESS ALL PROP(S) ARE SECURED IN POSITION AND LOCKOUT/TAGOUT PROCEDURES ARE IN EFFECT.
 TO STORE PROPS:
 1) RAISE BODY SLIGHTLY.
 2) REMOVED RETAINERS AND RETURN PROP(S) TO STOWED POSITION AND INSTALL RETAINERS.
 3) LOWER BODY SLOWLY TO REST ON CHASSIS FRAME.
 00-02179-00-08

Section 2 – Safety Precautions

DECAL PLACEMENT



SAFETY PRECAUTIONS

PRE-OPERATION

- 1) Never operate machinery while wearing jewelry or loose clothing that may catch on moving parts. Wear proper safety equipment as specified by your employer.
- 2) Never operate machinery while under the influence of intoxicants or narcotics. Workers under the influence of intoxicants or narcotics present a hazard to themselves and others.
- 3) Perform checks listed under Pre-Operation "Walk Around" Inspection in OPERATION Section. Never start or operate any malfunctioning equipment.
 - a) Be sure to immediately report any malfunctions to the proper authority.
 - b) Power must be shut off, ignition key removed and a sign attached to the steering wheel stating "inoperative" or "malfunctioning equipment".
- 4) Walk around vehicle to make sure all persons are clear before starting the unit.

Section 2 – Safety Precautions

OPERATION

- 1) It is the operator's responsibility to ensure the operation of the unit is in accordance with the guidelines contained in the Operator's manual and in accordance with all the applicable codes including Occupational Safety and Health Act (OSHA) and American National Standards Institute (ANSI) regulations.
- 2) Do not attempt to operate this equipment without proper training.
- 3) Always make sure the roadway is clear and move the vehicle as slowly as possible without stalling when traveling in reverse.
- 4) Do not travel in reverse for distances greater than those dictated by local ordinances. If reverse travel exceeds 10 feet use a spotter or move the vehicle in 10-foot increments only, and then check to make sure the roadway is clear between increments.
- 5) Do not attempt to dislodge any material above waist level unless wearing eye protection such as approved side-shielded safety glasses or a full-face shield.
- 6) Never use the vehicle to push or pull another vehicle.
- 7) Never drive with the tailgate raised.
- 8) Never place head, body, fingers or any limbs into a scissors point or pinch point on the equipment.
- 9) Before operating the vehicle, the driver must be thoroughly familiar with the employer's safety program concerning traffic rules, warning devices and hand signals.
- 10) Know where to get assistance in the event of an emergency.
- 11) Know your machine. Know the location and function of all controls, gauges, instruments and protective devices.
- 12) Wear your seat belt.
- 13) Always set the parking brake before leaving the cab.
- 14) All service opening covers and access doors must be maintained and latched in place while operating equipment.
- 15) Ensure all co-workers are in view before operating or moving any controls or the unit.
- 16) Ensure that there is sufficient overhead clearance before raising the tailgate.
- 17) Stand clear when the tailgate and/or body is being raised or lowered and during the unloading cycle.
- 18) Ensure that persons are clear of the container before raising or lowering.
- 19) Always have the container dumper in the travel position before transporting.

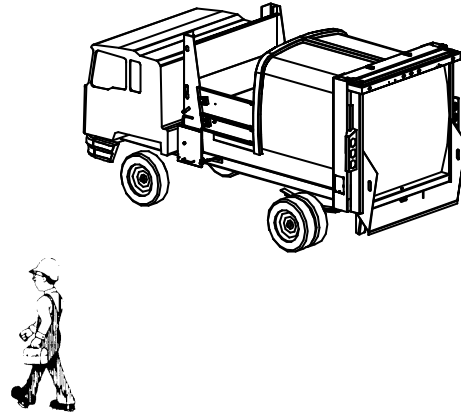
Section 2 – Safety Precautions

20) Ride only in the cab.

21) Never overfill the hopper.

22) SHUTDOWN

- a) Lower the body and move to its most forward position.
- b) Lower the tailgate to its lowest position.
- c) Set the parking brake.
- d) Turn control panel system off.
- e) Shut off the engine.
- f) Remove the ignition key.
- g) Remove any debris from the cab.
- h) Open both clean-out doors and clean out from behind the packer/ejector panel.
- a) Close and latch doors properly.
- b) Lock the vehicle.



MAINTENANCE

1) GENERAL

- a) Comply with all ANSI Z245.1 and OSHA regulations at all times.
- b) Comply with Lock Out/Tag Out .
 - 1) Position OSHA approved body props where needed.
 - 2) Relieve all the stored energy in the hydraulic and pneumatic system by operating the systems levers and controls.
 - 3) Remove keys to the vehicle.

2) HYDRAULICS

- a) Hydraulic fluid operates under high temperatures. Avoid contact with piping, hoses or cylinders to prevent burns.
- b) Never use hands to check for leaks. Hydraulic fluid escaping under pressure may cause injury.
- c) In case of injury, seek proper medical treatment immediately.

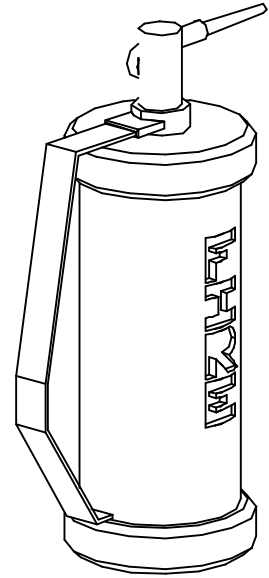
Section 2 – Safety Precautions

3) FIRE PROTECTION

- a) Keep a fire extinguisher accessible at all times, as recommended by the Bureau of Motor Carrier Safety.
- b) Never use lighted smoking materials, open flame or sparks when working with flammable materials such as fuel tanks or storage batteries.
- c) Never use an open flame as a light source.

4) HOUSEKEEPING

- a) Good housekeeping habits are a major factor in accident prevention.
- b) Keep handrails clean and free of grease or debris.
- c) Do not store brooms or other equipment where they could inadvertently be dislodged or create a hazard.

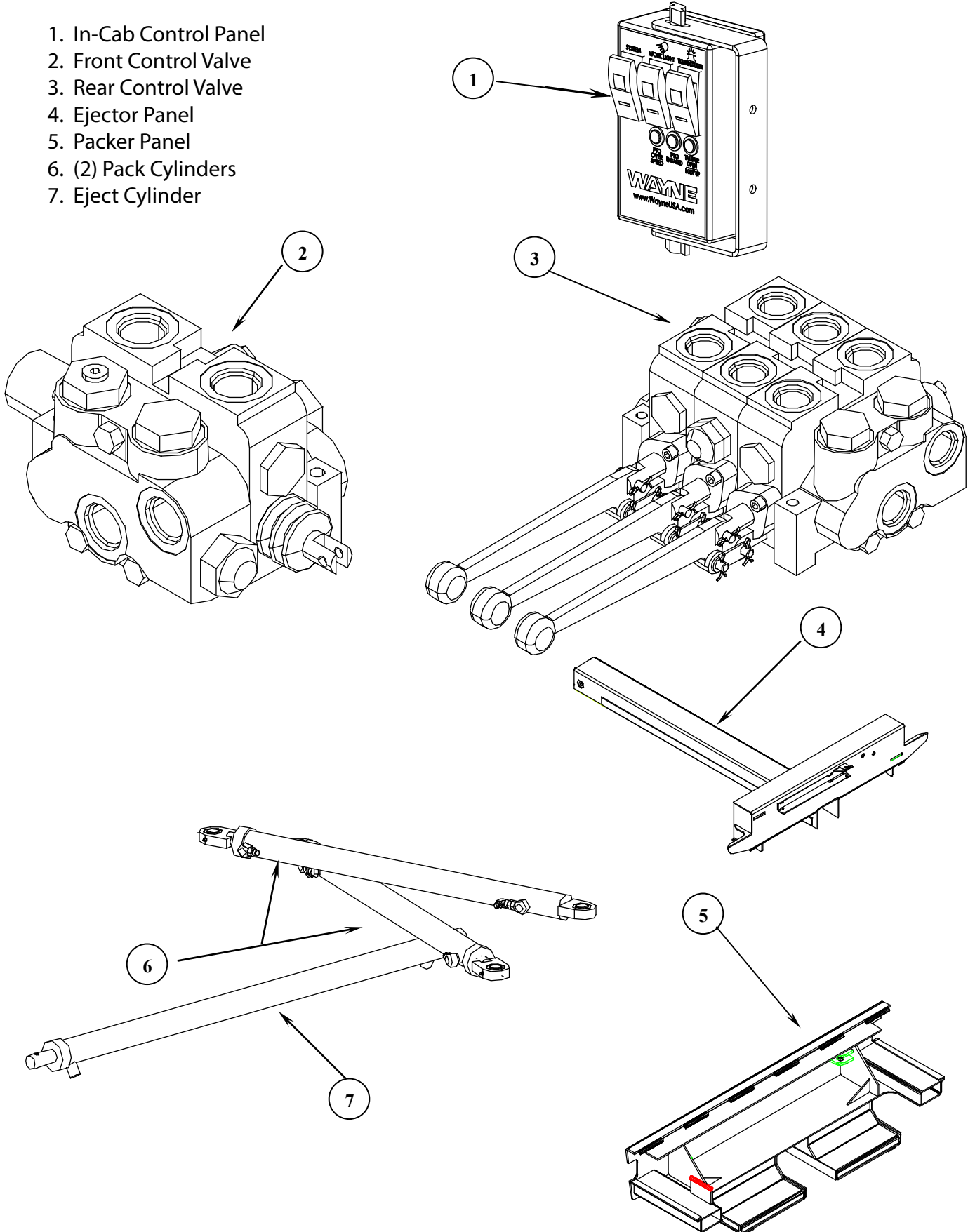


Section 2 – Safety Precautions

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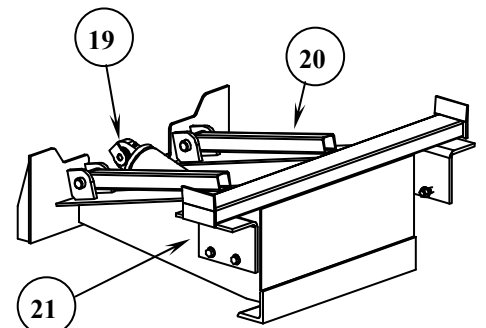
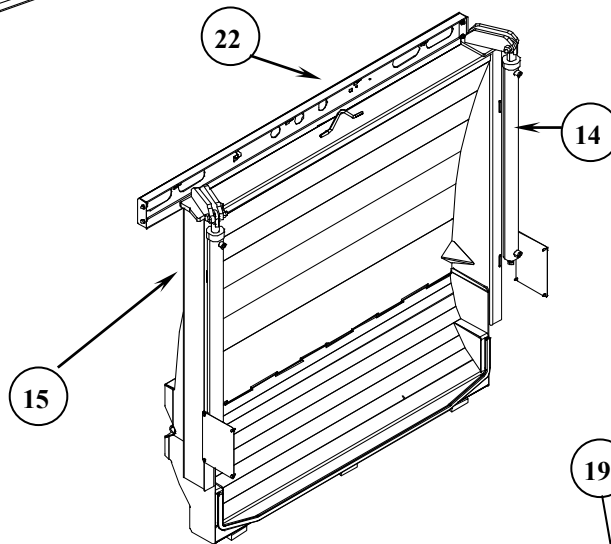
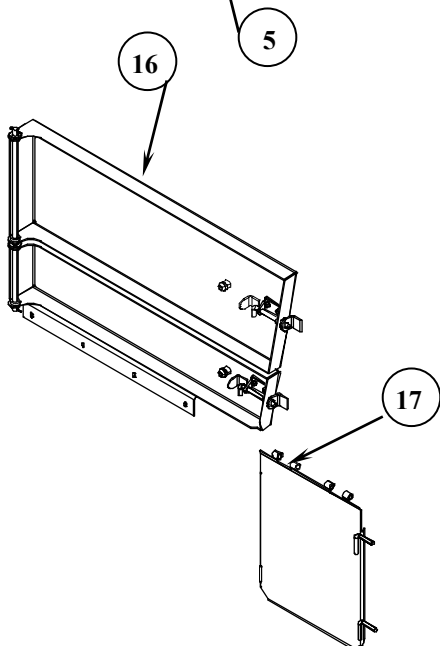
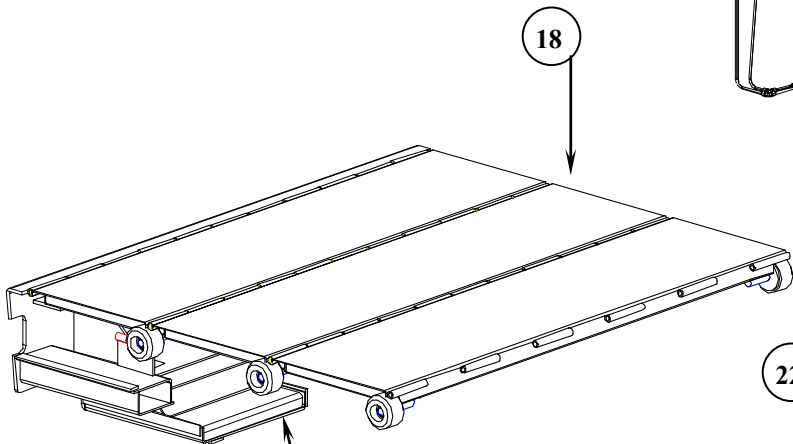
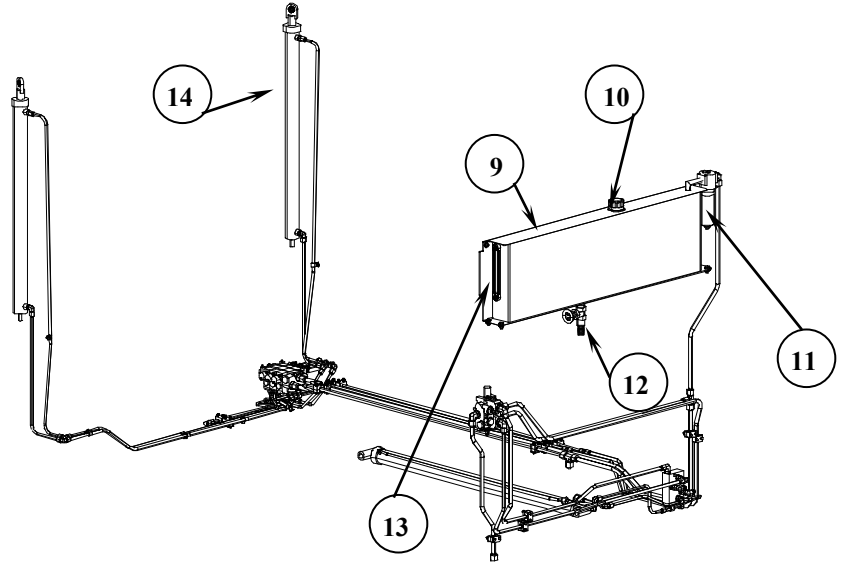
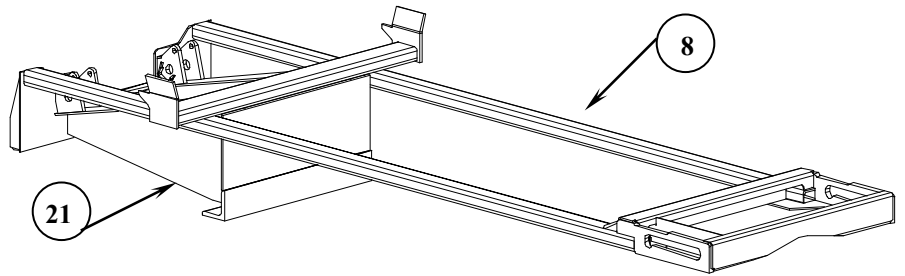
TERMS YOU WILL NEED TO KNOW

1. In-Cab Control Panel
2. Front Control Valve
3. Rear Control Valve
4. Ejector Panel
5. Packer Panel
6. (2) Pack Cylinders
7. Eject Cylinder



TERMS YOU WILL NEED TO KNOW


- 8) Sub Frame
- 9) Hydraulic Tank
- 10) Fill Cap
- 11) Return Line Filter
- 12) Suction Line Shutoff
- 13) Sight Gauge
- 14) Tailgate Lift Cylinders
- 15) Tailgate
- 16) Hopper Side Doors
- 17) Cleanout Doors
- 18) Traveling Cover
- 19) Body Lift Cylinders
- 20) Body Props
- 21) Body Lift Weldment
- 22) Light Bar



OPERATING CONTROLS

This section will provide all of the instructions necessary to operate the TomCat. However prior to attempting any operation of the unit, make sure you are familiar with all of the safety information contained in SAFETY PRECAUTIONS Section.

DESCRIPTION OF OPERATING CONTROLS

| |
|---|
|  WARNING |
| THE FOLLOWING INFORMATION IS FOR DESCRIPTIVE PURPOSES ONLY. IT IS NOT TO BE MISCONSTRUED AS OPERATING INSTRUCTIONS, REFER TO OPERATING PROCEDURES LATER IN THIS SECTION. |

There are only a few controls required for the complete and efficient operation of the TomCat. It is important that you know the location and function of each control before attempting to operate the unit. Refer to the accompanying illustrations for their locations.

IN CAB CONTROL PANEL

The In Cab Control Panel is located in the cab and contains the controls indicator lights, electrical fuses and power relays for the TomCat.

SYSTEM ON

The system on switch is used to engage the operation of the hydraulic pump and the packer. The PTO control will be wired through the “System On” control switch of the control panel. Be sure to read all safety decals associated with the PTO before attempting operation.

PTO ENGAGED LIGHT

The PTO engaged light is lit whenever the PTO is engaged.

TAILGATE OPEN/BODY UP LIGHT

The tailgate open/body up light is lit whenever the tailgate is in the raised position or the TomCat body has slid rearward.

Section 4 – Operation

IN-LINE FUSE

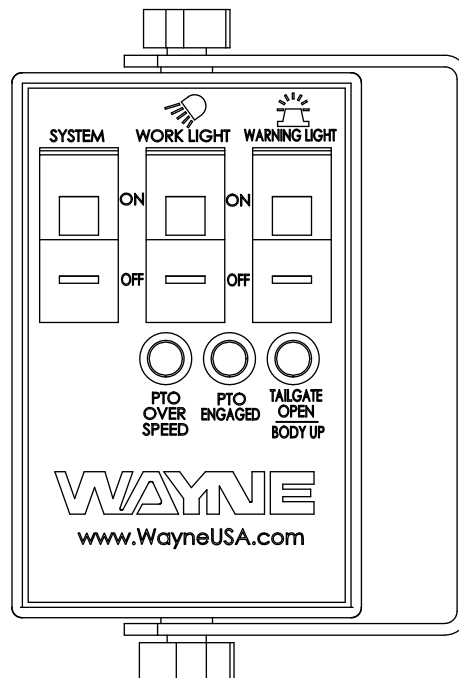
A 10-amp fuse is located before the system on switch, the work light switch, and the strobe light switch.

STROBE LIGHT SWITCH

This switch is used to turn on the optional strobe light. (This switch is powered through the chassis power and is independent of the system on.)

WORK LIGHT SWITCH

This switch is used to turn on the optional strobe light. (This switch is powered through the chassis power and is independent of the system on.)



FRONT BODY CONTROLS

PACK/RETRACT CONTROL LEVER

The pack control lever is located at the front of the body on both the left and right side. Pushing the lever rearward will initiate the autopack cycle. The packer will travel rearward through the pack motion followed by the automatic reversal and travel forward through the retract motion. The pack control lever “latches” into the pack position followed by “latching” into the retract position.

NOTE: The pack retract control lever may be centered to stop the pack panel.



REAR BODY CONTROLS

BODY LIFT CONTROL

The body lift control lever is located on the rear body valve. Raising the lever upward will cause the body to move rearward approximately 10" before raising the rear end above the height of the hopper lip on a rear loader. Lowering the lever will cause the rear end of the packer body to lower and then move to the front of the body.

TAILGATE CONTROL

The tailgate control is located on the rear body valve. Raising the lever upward will cause the tailgate to raise. Lowering the lever will cause the tailgate to lower.

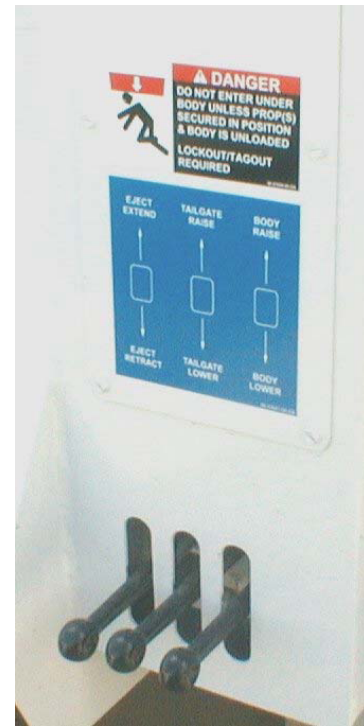
EJECT CONTROL

The eject control lever is located on the rear body valve. Raising the central lever will cause the packer panel and push out panel to move rearward. Whichever panel is easier to move will move first. Lowering the lever will cause the packer panel and push out panel to move forward.

NOTE: To eject the load, the control handle must first be pushed downward to lock the front valve in neutral.

ENGINE SPEED-UP TOGGLE SWITCH

The engine speed-up switch is located near the rear body valve. Pushing the switch will cause the engine to speed-up and supply more hydraulic fluid flow to the hydraulic system for faster operation.



Section 4 – Operation

PRE-OPERATING WALK-AROUND INSPECTION

The Operator is the first line of defense is preventive maintenance. Be alert and conscientious - report any malfunction, need for adjustment or necessary repair, to your Garage or Maintenance Department without delay.

EACH DAY, before beginning work, check the following:

1) LIGHTS AND WIRING

- a) Headlights, taillights, and clearance lights.
- b) Turn signals and hazard warning lights.
- c) Brake lights and backup lights.
- d) Hazard warning beacon lights, if applicable.
- e) Hopper work light, if applicable.
- f) "PTO Engaged Light" illuminates on main control panel and in-cab control panel when system power is turned on.
- g) "Tailgate Open/Body Up" light illuminates when tailgate or body is raised.
- h) Check all wiring for cut or frayed wires.

2) HYDRAULIC SYSTEM

- a) Check for fluid leaks.

The oil level should be between FULL and ADD on the tank sight gauge, with the vehicle in the following position:

- (1) Vehicle on level ground
- (2) All hydraulic cylinders fully closed up
- (3) Engine/PTO off.

- b) Start the engine and operate the packing function 2 or 3 times.

IMPORTANT

CONTAMINATION IS THE WORST ENEMY OF ANY HYDRAULIC SYSTEM. KEEP DIRT FROM ENTERING THE SYSTEM. CLEAN AROUND ANY SYSTEM COMPONENT BEFORE DISCONNECTING OR REMOVING IT. WHEN FILLING RESERVOIR, FILTER OIL THROUGH A 200 MESH (OR FINER) SCREEN. NEVER USE CLOTH TO FILTER THE OIL.



BE SURE ALL INDIVIDUALS ARE CLEAR OF ANY MOVING PARTS, MECHANISMS OR COMPONENTS OF THE VEHICLE BEFORE ACTUATING CONTROLS. DURING ANY SUCH OPERATION, BE ATTENTIVE AT ALL TIMES AND BE READY TO STOP OR REVERSE THE FUNCTION.

Return the vehicle to the position described in (a) and recheck the oil level.

- c) Add oil as necessary.



PROLONGED AND REPEATED CONTACT WITH HYDRAULIC OIL MAY CAUSE SERIOUS SKIN DISORDERS, INCLUDING DERMATITIS AND CANCER. AVOID CONTACT WITH SKIN AS FAR AS POSSIBLE, WASH THOROUGHLY AFTER ANY CONTACT.

3) ALL BOLTS

- a) Visually check the security of bolts over the entire unit paying special close attention to the mounting brackets.
- b) Make sure all pins with retaining ears have their ears and are properly retained.
- c) Check for loose capscrews and fasteners, and broken or excessively worn parts.

4) SWITCHES AND CONTROLS

Check for security and correct operation.

Section 4 – Operation



DO NOT OPERATE THE MACHINE UNLESS ALL SAFETY AND EMERGENCY CONTROLS ARE FUNCTIONING CORRECTLY.

- a) Operate the unit through several packing cycles using the electrical controls.
- b) Operate the Tailgate through several raising and lowering cycles.
- c) Operate the ejector panel fully forward and rearward several times, using the ejector blade button.

5) PROXIMITY SWITCHES



DO NOT OPERATE THE MACHINE UNLESS ALL SAFETY AND EMERGENCY CONTROLS ARE FUNCTIONING CORRECTLY.

- a) Check for security of each switch.

6) BODY CAVITY



BEFORE ENTERING THE BODY CAVITY, THE VEHICLE ENGINE POWER SHALL BE SHUT OFF, THE IGNITION KEY REMOVED, AND A SIGN PLACED ON THE STEERING WHEEL WARNING AGAINST ANY ATTEMPT TO START THE UNIT.

- a) Clear any accumulated refuse forward of the Ejector Panel.
- b) Visually inspect the ejector blade for evidence of wear or damage.
- c) Inspect the ejector cylinder and connecting hoses for evidence of hydraulic leaks.

IMPORTANT

WHEN THE VEHICLE IS PARKED OVERNIGHT OR FOR LONGER PERIODS ALL THE HYDRAULIC CYLINDERS MUST BE POSITIONED FULLY CLOSED UP. THIS WILL:

- 1) Protect the polished surface of the cylinder rods and damage to the cylinder seals.
- 2) Raise the oil level in the hydraulic oil tank, so minimizing internal condensation oil contamination.

7) LABELS & DECALS

- a) Refer to the decal location illustration of this manual and make sure all decals are in place and readable. Replace all decals that are not in good condition.

NOTE: Individual safety decals, free of charge, are available from your local authorized WAYNE distributor.

IMPORTANT

Looking after your vehicle makes it last longer. Servicing should be carried out on this vehicle regularly.

STARTUP

This section of the manual provides all the instructions necessary to start and operate the TomCat side loader including specific instructions for loading, packing and unloading the unit.

IMPORTANT

IT IS IMPERATIVE THAT OPERATORS AND MECHANICS UNDERSTAND THESE PROCEDURES.

PACKING THE LOAD

- 1) Engage the PTO control by switching the "System On" toggle on the control panel. This will start the hydraulic pump.
- 2) Be certain the tailgate is in its lowered position, the body is in its lowered and forward position and the ejector panel and packer panel are in their most forward position.

Section 4 – Operation

LOADING THE HOPPER

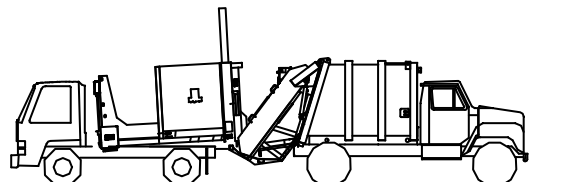
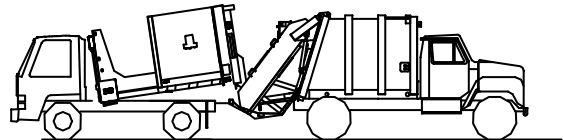
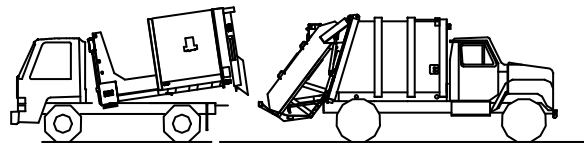
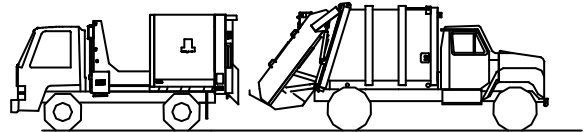
Be certain everyone is clear of the packer body. Press and hold momentarily the pack control lever. The engine will speed-up and move the packing panel towards the rear of the packer body to clear the hopper. When the packing panel moves against the load or comes to the end of its stroke, the detent will actuate and the packing panel will return to the front of the packer body. The packing panel contacts a lever arm when it reaches the front of the unit and stops the packing cycle. The automatic pack cycle can be stopped at any time by pushing the pack/retract control lever to the center position.

WARNING

STAND CLEAR OF THE HOPPER AREA DURING THE PACKING CYCLE.

EJECTING THE LOAD

- 1) If the refuse will be emptied into a rearloader, back the TomCat Side loader close to the rear loader and directly behind it.
- 2) **LIFT THE BODY** – To lift the body, lift the body control lever up. The packer body will move rearward several inches before the rear of the body will lift. Continue lifting until the lower portion of the rear doorsill matches the rear loader's hopper lip. It may be necessary to press the ENGINE SPEED-UP switch.
- 3) Back the TomCat Side loader over the hopper lip.
- 4) **LIFT THE TAILGATE** – To lift the tailgate, lift the tailgate control lever. It may be necessary to press the ENGINE SPEED-UP switch. The door should open as far as possible to empty the load.



Section 4 – Operation

- 5) **EJECT THE LOAD** - To eject the load, first push the eject control lever downward to lock the pack valve into neutral. Then, raise the eject control lever to eject the load. It may be necessary to press the ENGINE SPEED-UP switch. The packer panel and the ejector panel will move to the rear of the packer.
- 6) Clear any debris from the doorsill and close the tailgate by lowering the tailgate control lever.
- 7) Drive the TomCat side loader away from the rear loader and lower the body by lowering the body lower joystick lever. The packer body rear end will lower and move towards the front of the packer body.



NEVER ENTER BETWEEN THE BODY AND THE CAB UNLESS PROPER SAFETY PRECAUTIONS ARE FOLLOWED. ALWAYS FOLLOW OSHA LOCK-OUT/TAG-OUT PROCEDURES.



NEVER DRIVE THE UNIT MORE THAN 10 FEET WITH THE TAILGATE OR BODY IN THE RAISED POSITION.

- 8) Remove any debris from behind the packer panel, where the packing cylinders are housed.

Section 4 – Operation

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SCHEDULED MAINTENANCE

GENERAL

The TomCat has been designed for long periods of efficient uninterrupted operation. Careful attention to proper preventive maintenance, as described in this section, will insure and extend trouble-free operation of the unit. Particular attention to correct lubrication of the unit and maintenance of the filter, are two vital areas of required preventive maintenance. The objective of preventive maintenance is to anticipate and prevent operational difficulties before they require extended shut down for costly repairs.

OPERATING AND MAINTENANCE RECORDS

Prepare and adhere to a maintenance schedule. Keep detailed records of all maintenance performed. Regularly inspect operating and maintenance records for deviations from normal operating conditions. Analyze the records for indications of potential trouble.

IMPORTANT

Occasionally distributors will receive service bulletins from WAYNE concerning updated maintenance information. Keep those bulletins with this manual and make notes at the appropriate places in the manual referencing the updated information .

PREVENTIVE MAINTENANCE REQUIREMENTS

DAILY PREVENTIVE MAINTENANCE

1) INSPECTION

Perform the PRE-OPERATIONAL INSPECTION described in OPERATION Section.

 **DANGER**

**NEVER GO UNDER THE VEHICLE WITH THE ENGINE RUNNING.
SERIOUS INJURY OR DEATH COULD RESULT.**

- a) When checking for hydraulic leaks pay particular attention to hose fittings and connections at the cylinders and valves. Build up of hydraulic fluid and dirt indicates a small leak that can probably be corrected by tightening the fitting or connection.
- b) Check the visual indicator to determine the condition of the filter element
- c) Inspect the mounting sills and mounting hardware.

Section 5 – Preventive Maintenance

2) CLEANING

Hose the entire unit inside and out with clean water. Make sure no refuse is lodged behind the pack/eject panel.

3) LUBRICATION

Lubricate all grease fittings daily. Frequent inspection of grease points will indicate when lubrication is needed. When filling grease zerks pump grease until grease begins to expel from the pin bore.

4) CHECKING FLUID LEVEL

Position and fully retract all the cylinders to check the fluid level. When checking the fluid level in the hydraulic reservoir, note any frequent or sudden loss of fluid. This may indicate leakage, which must be traced and corrected to avert equipment failure and possible damage to other components.

If the hydraulic fluid is low, fill the hydraulic reservoir to the “NORMAL FILL LEVEL” with hydraulic fluid as specified later in this Section according to operating and weather conditions.

WEEKLY PREVENTIVE MAINTENANCE

1) CLEANING & PRESERVATION

Clean and paint exposed metal surfaces to remove and prevent the formation rust formation.

2) INSPECTION

In addition to the body mounting hardware that is checked daily, inspect all other accessible mounting hardware and fittings for tightness. Refer to the CAPSCREW MARKING AND TORQUE VALUE CHART provided in GENERAL REPAIR PRACTICES Section.

Check electrical wiring and insulation for frays, breaks and loose connections.

3) LUBRICATION

Refer to the LUBRICATION INFORMATION in this section and service those items that require weekly lubrication.

4) HYDRAULIC SYSTEM

- a) The return filter is vital to the service life of the hydraulic system.
- b) Check the breather cap on the hydraulic reservoir tank. Clean it weekly and replace it if it cannot be cleaned thoroughly or is missing.

5) CHECK-OUT PROCEDURES

Each week perform the CHECKOUT PROCEDURES listed in Section 7 of this manual.

YEARLY PREVENTIVE MAINTENANCE

1) FLUSHING HYDRAULIC SYSTEM

- a) Drain all fluid from the hydraulic reservoir into a suitable container by removing the hydraulic return hose.
- b) Fill the hydraulic reservoir with fresh fluid as specified in Section 5, SPECIFICATIONS, according to operating and weather conditions.
- c) Start the unit and operate all hydraulic levers and buttons as described in Section 3, OPERATION. Leave all hydraulic cylinders in the retracted position and shut down the unit.
- d) Recheck the fluid level and add fluid as necessary to bring level to the “NORMAL FILL LEVEL” on the sight gauge.

2) CHECK/REPLACE RETURN FILTER

The return filter is a vital component of the hydraulic system. Without proper filtration, problems with hydraulic system components will occur. Stick to a strict maintenance schedule for this item.

Time Lapse Recommendations for Filter Replacement:

- a) After the first 20-hours of hydraulic pump operation.
- b) After the next 50-hours of hydraulic pump operation.
- c) Thereafter, every 250-hours of hydraulic pump operation or sooner, if so indicated by adverse operating conditions.

The condition of the filter must be checked weekly.

REPLACEMENT OF FILTER

1. Unscrew the filter from the housing, allow oil to drain from the filter, and discard properly.
2. Coat the rubber gasket with fresh hydraulic fluid.
3. Screw the filter on to the housing. Hand tight only.
4. Check the fluid level and replenish with fresh fluid.
5. Operate the hydraulic system and check for leaks.



CAUTION

EXTENDED OPERATION OF THE UNIT WITHOUT PROPER FILTRATION WILL RESULT IN REDUCED SERVICE LIFE OF HYDRAULIC SYSTEM COMPONENTS.

Section 5 - Preventive Maintenance

HYDRAULIC OIL SPECIFICATIONS

| <u>Physical Characteristics</u> | <u>Specifications</u> | <u>Actual Test Results</u> |
|---|----------------------------|-----------------------------|
| Viscosity @ 210F | 60 ssu | 59.55 ssu |
| Viscosity @ 100F | 268 ssu Max. | 260.00 ssu |
| Viscosity @ 0F (Obtained by cold crank simulator test) | 1200 Cp Max. (5500 ssu) | 1050.00 Cp (4800.00 ssu) |
| Viscosity Index | 175 Min. | 179.00 |
| Pour Point | -50F Max. | 065F |
| Flash Point, COC | | 360F |
| Fire Point, COC | | 395F |
| Gravity | | 26.9 API |
| <u>Performance Characteristics</u> | | |
| Turbine Oil Oxidation Test (ASTM D-943) | 1500 Hrs. Min. | 1680 Hours |
| Electric Conductivity (12" Cap, 100 KV) (State of Ohio Reg# E-02095) | | 4-1/2 - 8 Ma. |
| Turbine Oil Rust Test (ASTM D-665 A & B) | Pass | Pass |
| Vickers Hydraulic Pump Wear Test (ASTM D-1401) | Pass | Pass |
| Demulsability Test (ASTM D-1401) | Pass | Pass |
| Copper Corrosion Test (ASTM D-130) | #1 Max | #1 |
| ALTERNATIVE HYDRAULIC FLUID RECOMMENDATIONS | | |
| <p>Hydraulically powered equipment manufactured by WAYNE Engineering finds use on every continent in the world and experiences a wide variety of climatic and temperature conditions.</p> <p>The hydraulic fluids listed below have been found adequate for system replacement or replacements.</p> | | |
| <u>MANUFACTURER</u> | <u>POUR POINT</u> | <u>TRADE NAME/NUMBER</u> |
| MOBILE | -40 F | DTE 13 M OR DTE 15 M |
| ARCO | -60 F | POLARVIS |
| SUN | -45 F | #2105 |
| AMOCO | -40 F | RYKON OIL MV |
| SHELL | -40 F | TELLUS T 46 |

LUBRICATING GREASE RECOMMENDATIONS

- A. Chassis grease (for grease fittings) use a Lithium base EP grease with 2 to 5 degree Molybdenum (MOS). The following products are recommended:

| <u>MANUFACTURER</u> | <u>TRADE NAME/NUMBER</u> |
|---|--------------------------|
| FISKE BROS. REFINING CO. LUBRIPLATE DIVISION | LUBRIPLATE MOLYLITH #2 |
| NORTHLAND OIL CO. | NORTHLAND MOLY TACK 2 |
| TEXACO | TEXACO MOLYTEX EP II |

- B. For slides and rubbing surfaces, use a heavy (viscous) wheel-bearing type grease. The following products are recommended:

| | |
|---------------|----------------|
| AMOCO OIL CO. | AMOVIS - 10X |
| MOBIL OIL CO. | MOBILUX EP-111 |



Do not use engine oil, automatic transmission fluid (ATF) or add diesel fuel or kerosene to the hydraulic fluid. Service life of all hydraulic components may be adversely affected.

HYDRAULIC FLUID

To serve its purpose and give long and satisfactory service, hydraulic fluid must possess desirable physical and chemical characteristics. Stability over a wide range of temperatures and under agitation is very important.

Premium hydraulic fluids should be used in Wayne hydraulic systems. In addition to the above characteristics selected additives should be added to provide additional resistance to wear, corrosion, oxidation, decomposition, and foaming. The lubricant supplier should do all additives blending so that they are compatible with each other.

A reputable lubricant supplier backed by a reputable oil company is great assurance of obtaining high quality products, higher quality is worth the higher initial cost.

Section 5 – Preventive Maintenance

HYDRAULIC SYSTEM SERVICE

CONTAMINATION

It is estimated that as much as 90% of all hydraulic problems can be traced directly to the fluid. It is imperative that all foreign matter be kept from the hydraulic fluid. Quantities of invisible abrasive contamination will cause serious pump wear, malfunctioning of pumps and valves, and sludge accumulations within the system in relatively short periods of time. It is also essential that moisture and water be kept from the hydraulic fluids and system.

COMMERCIAL HYDRAULIC FLUID TESTING

Hydraulic fluid samples should be taken periodically for laboratory analysis. The actual sampling method is critical. It should be done on ANSI Standard B93.19M(R1980). This standard is available from the National Fluid Power Association, 3333 N. Mayfair Road, Milwaukee, WI 53222.

Two identical hydraulic fluid samples should be taken from the center of the reservoir when the fluid is at operating temperature. One will be sent laboratory analysis and one will be kept for your own preliminary analysis. Each of the samples is to be placed in a clean, dry glass bottle with a nonshedding screw-on cap. The bottles should be labeled with the date, type of fluid, and model and serial number of the machine.

We recommend the use of commercial laboratory services for analysis of routine fluid samples taken on a regularly scheduled basis. The cost is about \$20 to \$30 per sample. The most important analyses are particle count, Spectro-chemical analysis, water content, and viscosity.

IN HOUSE HYDRAULIC FLUID TESTING

Eliminate air bubbles by allowing your sample to stand for 20 to 30 minutes, and then hold the bottle up to the light to check whether the fluid is clear or cloudy.

Any visible debris is an indication of a severe solid contamination problem, the source of which must be located and corrected immediately. Common sources of this kind of contamination may be component wear, under-sealed reservoir covers, or dirty air breather filters.

If the sample is the least bit "cloudy" it is an indication of water contamination, the source of which must be found and eliminated immediately. Common sources of solid contamination are inadequate outdoor storage, unsealed reservoir covers, or condensation.

GENERAL REPAIR PRACTICES



Proper service and repair is important for the safe, reliable operation of all mechanical products. The service procedures recommended and described in this service manual are effective methods for performing service operations. Some of these service operations require the use of tools specially designed for the purpose. Wayne Engineering could not possibly know, evaluate and advise the service trade of all possible ways in which service might be done or of the possible hazardous consequences of each way. Therefore, anyone who uses a service procedure or tool that is not recommended by Wayne Engineering must first thoroughly satisfy himself that neither his nor the operator's safety will be jeopardized by the service methods selected. Any person who modifies their equipment must do so in accordance with American National Standard Institute Z245-1-1992. It is important to note that deviating from these procedures could cause damage to the unit or render it unsafe. However, please remember that these procedures are not all inclusive.

PREPARATION FOR SERVICE

Proper preparation is very important for efficient and safe service work. A clean work area at the start of each job will allow you to perform the repair as easily and quickly as possible, and reduce the incidence of misplaced tools and parts. If the portion of the unit to be repaired is excessively dirty, it should be cleaned before work starts. The cleaning process may include the use of high-pressure equipment and strong chemicals. Follow the manufacturer's instructions and precautions during this process. Cleaning will occasionally uncover trouble sources. Tools, instruments and parts needed for the job should be gathered before work is started. Interrupting a job to locate tools or parts is a needless delay.

SERVICE BULLETINS

In addition to the information provided in this Service Manual, service bulletins are issued when needed to cover interim changes or to provide supplementary information necessary for maintaining the refuse unit in a proper safe operating condition. Check with your authorized Wayne Dealer periodically to ensure all your Wayne service manuals are up to date.



Section 6 – General Repair Practices

REMOVAL, DISASSEMBLY AND REPAIR

- 1) Cleanliness is very important; dirt is the number one cause of wear in bearings, bushings and especially in hydraulic components.
- 2) Inspect hydraulic components for leaks before cleaning. The dirt buildup on the component can aid in tracing fluid leaks.
- 3) Clean hydraulic connections before removal to prevent dirt from entering the component.
- 4) Loosen hydraulic fittings slowly to release pressure.
- 5) Cap hydraulic fittings immediately after removal to prevent dirt from entering the component or line and to prevent fluid from leaking.
- 6) Clean the component in non-flammable solvent before disassembly.
- 7) Inspect the component after cleaning for signs of wear or external damage.
- 8) When disassembling a component, note the position of each part as it is removed to aid in reassembly.
- 9) During disassembly note the condition of each part as it is removed to aid in diagnosing problems and to help prevent them in the future.
- 10) Clean and inspect disassembled parts for wear, cracks, dirt, etc.
- 11) After cleaning and inspection, reusable hydraulic parts should be immediately coated with clean fresh hydraulic fluid to prevent rust formation. If these parts are not going to be reinstalled immediately, they should be wrapped in a clean lint free cloth or paper to prevent nicks or scratches.
- 12) When repacking a cylinder, or resealing a valve, replace all seals and o-rings that are disturbed during the repair. The price of a few seals is very little compared to a return repair job.

REASSEMBLY AND INSTALLATION

- 1) Assemble parts in the same position as removed.
- 2) Align parts accurately before mating.
- 3) Inspect o-ring and seal grooves for sharp edges, nicks or burrs before installing new sealing parts.
- 4) Lubricate all new sealing parts with clean, fresh hydraulic fluid before installation.
- 5) Use care not to damage new sealing parts on reassembly.
- 6) Use correct torque values when reassembling and installing components. See CAPSCREW MARKING AND TORQUE VALUES later in this section.
- 7) Always check the hydraulic fluid level in the hydraulic reservoir after performing any service or repair of the hydraulic system.
- 8) Always lubricate components with grease fittings after they have been repaired and reinstalled.
- 9) Use only Wayne replacement parts.

Section 6 – General Repair Practices

ELECTRICAL TESTING






The electrical system used on the unit consists of various lights, switches and wiring. Testing the components and wiring can be accomplished by two simple checks; CHECKING FOR VOLTAGE and CHECKING FOR CONTINUITY.

CHECKING FOR VOLTAGE

A test light is used to check for the presence of electricity in live circuit. Connect the test light clip to good ground and the probe at the point where the presence of voltage is to be checked. If voltage is present, the light will be on... if no voltage is present, the light will be off.

CHECKING CONTINUITY

A continuity tester is used to check the ability of a conductor to allow current to pass. A continuity tester uses a self-contained power source, and should never be used on a live circuit. Connect the clip to one side of the component to be tested and touch the probe to the other side. If the component has the potential to pass current, has continuity, the tester will register accordingly.

| CAPSCREW MARKING AND TORQUE VALUES | | | |
|---|---|---|---|
| CAPSCREW DIAMETER & MINIMUM TENSILE STRENGTH (PSI) | TO 3/4 - 120,000 TO 1 - 115,000 | TO 5/8 - 140,000 TO 3/4 - 133,000 | 150,000 |
| QUALITY OF MATERIAL | Minimum Commercial | Medium Commercial | Best Commercial |
| SAE GRADE NUMBER | 5 | 6 or 7 | 8 |
| CAPSCREW HEAD MARKINGS (Manufacturer's marks may vary.) These are all SAE grade 5 (3-line)  |  |   |  |
| CAPSCREW BODY SIZE (Inches - Thread) | TORQUE [Ft-Lb (kg m)] | TORQUE [Ft-Lb (kg m)] | TORQUE [Ft-Lb (kg m)] |
| 1/4 - 20 | 8 (1.11) | 10 (1.38) | 12 (1.66) |
| - 28 | 10 (1.38) | | 14 (1.94) |
| 5/16 - 18 | 17 (2.35) | 19 (2.63) | 24 (3.32) |
| - 24 | 19 (2.63) | | 27 (3.73) |
| 3/8 - 16 | 31 (4.29) | 34 (4.70) | 44 (6.09) |
| - 24 | 35 (4.84) | | 49 (6.78) |
| 7/16 - 14 | 49 (6.78) | 55 (7.61) | 70 (9.68) |
| - 20 | 55 (7.61) | | 78 (10.79) |
| 1/2 - 13 | 75 (10.37) | 85 (11.76) | 105 (14.52) |
| - 20 | 85 (11.76) | | 120 (16.60) |
| 9/16 - 12 | 110 (15.21) | 120 (16.60) | 155 (21.44) |
| - 18 | 120 (16.60) | | 170 (23.51) |
| 5/8 - 11 | 150 (20.75) | 167 (23.10) | 210 (29.04) |
| - 18 | 170 (23.51) | | 240 (33.19) |
| 3/4 - 10 | 270 (37.34) | 280 (38.72) | 375 (51.86) |
| - 16 | 295 (40.80) | | 420 (58.09) |
| 7/8 - 9 | 395 (54.63) | 440 (60.85) | 605 (83.67) |
| - 14 | 435 (60.16) | | 675 (93.35) |
| 1 - 8 | 590 (81.60) | 660 (91.28) | 910 (125.85) |
| - 14 | 660 (91.28) | | 990 (136.92) |

NOTES

- 1) Always use the torque values listed above when specific torque values are not available.
- 2) The above is based on use of clean, dry threads.
- 3) Reduce torque by 10% when engine oil is used as lubricant.
- 4) Reduce torque by 20% if new plated capscrews are used.
- 5) General formula for calculating Torque is as follows: Torque in Inch Lbs. = 0.2 x Nominal diameter of Screw x Load in Lbs., where Load = 80% of Yield Strength, expressed in Lbs., not in pounds per square inch.

Section 6 – General Repair Practices

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CHECKOUT

The TomCat is designed and built to provide long periods of trouble free operation. Performing the checkout procedures in this section, at regular weekly intervals, will ensure the unit operates to design specifications and will help prevent unscheduled down time.



MAKE SURE YOU KNOW AND OBSERVE ALL SAFETY PRECAUTIONS LISTED IN SAFETY PRECAUTIONS SECTION BEFORE PERFORMING ANY OF THE FOLLOWING CHECKOUT PROCEDURES. USE EXTREME CAUTION TO AVOID COMING NEAR ANY MOVING PARTS. NEVER ENTER THE BODY OF THE UNIT WHEN THE TRUCK IS RUNNING.



THERE ARE SOME PROCEDURES IN THE SECTION THAT WILL REQUIRE THAT THE CHASSIS ENGINE IS RUNNING. IN THESE INSTANCES THE OPERATIONAL STATUS WILL BE INDICATED. OTHERWISE, MAKE SURE THAT THE CHASSIS ENGINE IS SHUT OFF AND THE KEYS ARE REMOVE D. THE PRES SURE OF THE HYDRAULIC SYSTEM AND RESU LTING MOVEMENT OF THE UNIT’S PARTS CAN CAUSE SERIOUS INJURY OR DEATH.

HYDRAULIC RESERVOIR FLUID LEVEL CHECK

1. The unit must be in the following position with all cylinders retracted:
 - a. Packing and Eject panel as close to front of unit as possible.
 - b. Tailgate lowered.
 - c. Body as low and as close to front as possible.
2. The fluid level should be in the safe range on the sight gauge.

Section 7 – Checkout

ELECTRICAL SYSTEM CHECK

1. Check Lights and Accessories:
 - a. Clearance lights near tailgate sides.
 - b. Left and Right turn signals near tailgate sides.
 - c. Backup lights near tailgate sides.
 - d. License plate light on tailgate bracket
 - e. Back-up alarm on tailgate bracket.
 - f. Clearance lights on tailgate bracket.
 - g. Proximity switch at top of tailgate on the passenger's side.
 - h. Proximity switch at front of packer body on the driver's side.
 - i. Proximity switch under body at front of packer on right side.
 - i. Headlights - high and low beam.
 - j. Chassis turn signals.
 - k. Tailgate/body ajar light in the chassis cab.
 - l. Strobe lights/Rotating Beacons (optional)
 - m. Hopper lights (optional)
 - n. Loading lights (optional)
-

PACK CYCLE TIME CHECK (COMPLETE CYCLE TIME = 17 SECONDS)

1. Push the pack control lever rearward. The engine should automatically speed-up to the preset RPM and the packer panel should move towards the rear of the packer body, reach the end of the pack cylinder stroke, and return to the front of the packer body in approximately 17 seconds.

IF NOT

2. Refer to the Troubleshooting guide.
-

TAILGATE CYCLE TIME CHECK (COMPLETE CYCLE TIME = 26 - 30 SECONDS)

1. With the engine speed-up button pressed, move the tail gate raise control lever to the lift position. (Approximate up time = 16 – 18 seconds)
2. Immediately after the tailgate reaches the full open position, move the tailgate lower control lever to the lowered position. (Approximate down time = 16 – 18 seconds)
3. The complete cycle is approximately 26 - 30 seconds.

IF NOT

4. Refer to the Troubleshooting guide.
-

EJECT CYCLE TIME CHECK (COMPLETE CYCLE TIME = 20 - 24 SECONDS)

1. The packer body should be empty, the tailgate open, and the packer panel and the ejector panel should be as far forward as possible.
2. Use the controls at the rear left side of the unit. With the engine speed-up switch pressed, move the eject control lever down to lock the front body valve in neutral. Then move the eject control lever up to the extend position and hold to fully extend the packer panel and the pushout panel to the rear of the packer body.
3. When the packer panel and the pushout panel are at the rear of the packer body, immediately move the retract control lever to the down position and hold until the packer panel and the ejector panel are as far forward as possible in the packer body.
4. The complete cycle is approximately 20 – 24 seconds.

IF NOT

5. Refer to the Troubleshooting guide.
-

PACK PRESSURE MAIN RELIEF CHECK

1. Install a 0-4000 PSI test gauge on the pack valve assembly test port.
2. Press the pack control lever rearward. When the pack panel reaches the full pack position, maintain pressure on the pack control handle to force the hydraulic fluid over the pack valve relief setting. The pressure gauge should read 3,500 PSI.

IF NOT

2. Adjust the main relief pressure.
 - a. Remove the protective cap on the pack relief cartridge.
 - b. Insert an allen wrench and turn the adjustment clockwise to increase pressure and counter-clockwise to decrease pressure.
-

PACK VALVE DETENT CHECK

1. Press the pack control lever rearward. When the pack panel reaches the full pack position the panel should automatically reverse direction and travel forward to the home position.

Section 7 – Checkout

IF NOT

1. Adjust the main relief pressure setting as described above.
 2. Press the pack valve control handle rearward so the pack panel travels to the rear and the hydraulic fluid goes over relief.
 3. While the system fluid is passing over relief, adjust the detent setting so the packer automatically reverses travel and heads home.
 - a. Remove the protective cap on the detent cartridge.
 - b. Insert an allen wrench and turn the adjustment clockwise to increase pressure and counter-clockwise to decrease pressure.
-

TAILGATE RETRACT WORKPORT RELIEF PRESSURE CHECK

1. Install a 0-4000 PSI test gauge on the valve assembly test port.
2. Press the engine speed-up switch at the rear control area. At the same time lower the tailgate control lever to retract the tailgate cylinders. The pressure gauge should read 1,200 PSI.

IF NOT

3. Call the WAYNE Service Department.
-

CART TIPPER WORKPORT RELIEF PRESSURE CHECK

1. Install a 0-4000 PSI test gauge on the cart tipper valve assembly test port.
2. Press the Valve control handle. The pressure gauge should read 2,500 PSI.

IF NOT

3. Adjust the workport relief pressure.
 - a. Loosen the locknut on the workport relief cartridge located on the eject valve section on the extend side.
 - b. Insert an allen wrench and turn the adjustment clockwise to increase pressure and counter-clockwise to increase to pressure.
4. Repeat step 2 to check the workport relief pressure setting.

ADJUSTMENTS



MAKE SURE YOU KNOW AND OBSERVE ALL SAFETY PRECAUTIONS LISTED IN SAFETY PRECAUTIONS SECTION BEFORE PERFORMING ANY OF THE FOLLOWING CHECKOUT PROCEDURES. USE EXTREME CAUTION TO AVOID COMING NEAR ANY MOVING PARTS. NEVER ENTER THE BODY OF THE UNIT WHEN THE TRUCK IS RUNNING.



THERE ARE SOME PROCEDURES IN THE SECTION THAT WILL REQUIRE THAT THE CHASSIS ENGINE IS RUNNING. IN THESE INSTANCES THE OPERATIONAL STATUS WILL BE INDICATED. OTHERWISE, MAKE SURE THAT THE CHASSIS ENGINE IS SHUT OFF AND THE KEYS ARE REMOVE D. THE PRES SURE OF THE HYDRAULIC SYSTEM AND RESU LTING MOVEMENT OF THE UNIT’S PARTS CAN CAUSE SERIOUS INJURY OR DEATH.

PROX FLAG ASSEMBLY ADJUSTMENT

This adjustment ensures the pack valve will properly be centered to the neutral position.

The TomCat uses a mechanical linkage at the front right side of the body to help position the pack valve in the neutral position. The linkage forces the pack panel to the neutral position when the pack panel has retracted to the fully forward position AND when the rear eject control lever is pressed downward to enable the eject panel to extend from the rear control area. It also actuates the engine accelerator

1. Actuate the pack control lever to fully return the pack panel to the home position.
2. Adjust the prox flag linkage to result in a ¼” gap between the inside of the front panel and the plunger on the pack panel. Run a pack cycle to check adjustment.
3. Tighten and secure the prox flag linkage assembly.

Section 8– Adjustments

ENGINE ACCELERATOR PROXIMITY SWITCH ADJUSTMENT

The TomCat uses a mechanical linkage at the front right side of the body to help position the prox flag assembly to flag the engine accelerator prox.

1. Actuate the pack control lever to return the pack panel to the home position.
 2. Adjust the prox flag so it is not actuated when the panel is in the home position and is actuated when the pack panel is away from the home position.
 3. Tighten and secure the proximity switch.
-

TAILGATE PROXIMITY SWITCH ADJUSTMENT

A proximity switch is used to indicate when the tailgate is in the closed position. A light in the cab will indicate if the tailgate and/or the packer body are not in their home positions or if the switches are out of adjustment.

1. Adjust the tailgate limit switch.
 2. Verify that the tailgate/body ajar light in the cab does not indicate when the tailgate and body are in their home positions.
-

BODY PROXIMITY SWITCH ADJUSTMENT

A proximity switch is used to indicate when the body is not in the home position and has slid rearward on the unit. A light in the cab will indicate if the tailgate and/or the packer body are not in their home positions or if the switches are out of adjustment.


1. Adjust the body limit switch.
 2. Verify that the tailgate/body ajar light in the cab does not indicate when the tailgate and body are in their home positions.
-

ENGINE SPEED-UP ADJUSTMENT

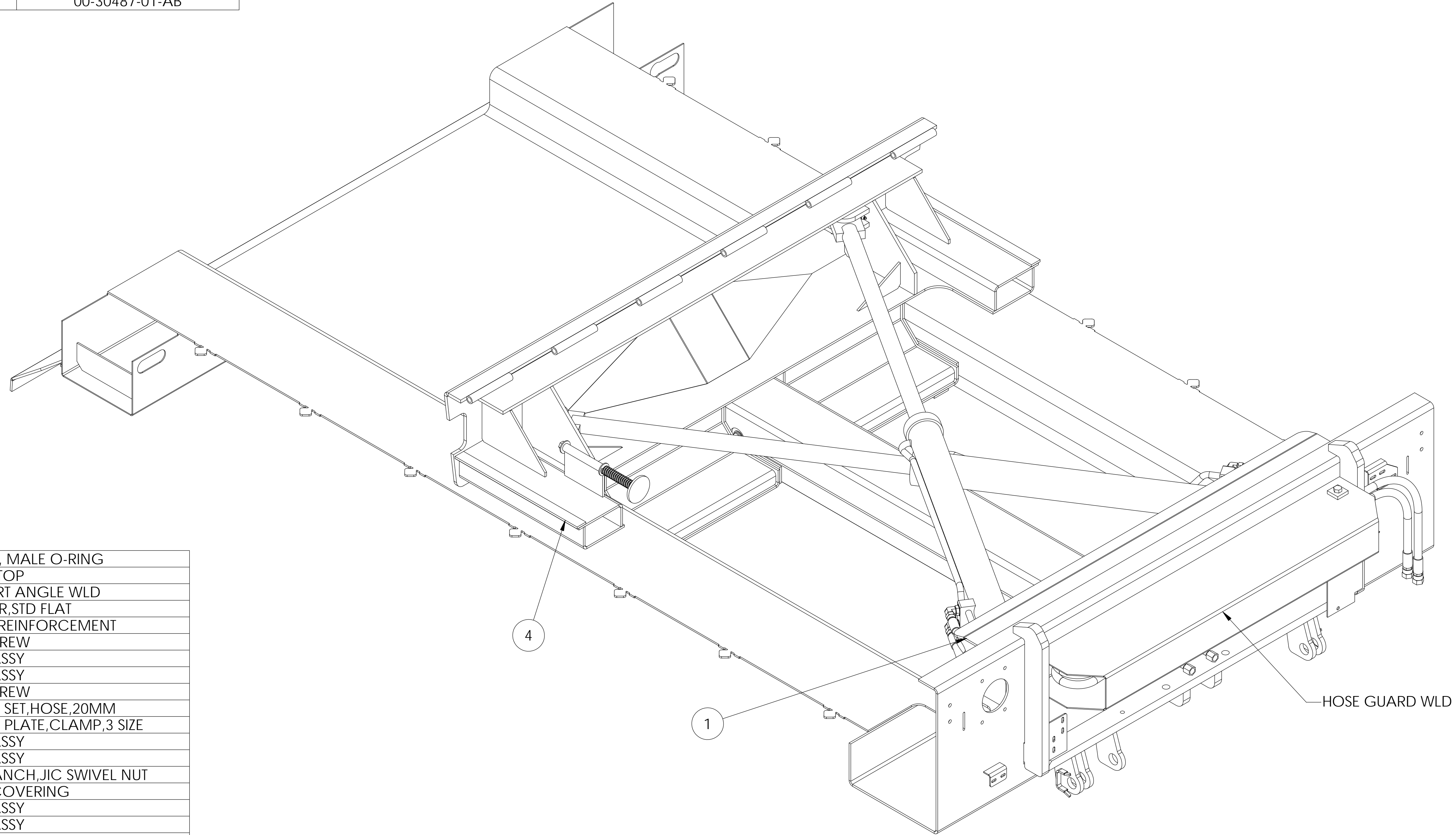
1. Adjust the mechanical engine speed-up under the cab of the chassis. Or, if the engine speed up is electronic, call the factory.
-

| ASSY DASH NO. | -08- | -12- | -14- | -16- | -18- | |
|----------------|------|-------|-------|-------|-------|---|
| | 8 YD | 12 YD | 14 YD | 16 YD | 18 YD | |
| PART NUMBER | QTY | QTY | QTY | QTY | QTY | DISCRIPTION |
| 00-34213-01-AD | 1 | | | | | FLOOR WLD, 8 YD, TC |
| 00-34213-02-AD | | 1 | 1 | | | FLOOR WLD, 12 & 14 YD, TC |
| 00-34213-03-AD | | | | 1 | 1 | FLOOR WLD, 18 YD, TC |
| 00-34208-01-AB | 1 | | | | | SHEET WLD, 8 YD LH SIDE, TC |
| 00-34208-02-AB | | 1 | 1 | | | SHEET WLD, 12 & 14 YD LH SIDE, TC |
| 00-34208-03-AB | | | | 1 | 1 | SHEET WLD, 16 & 18 YD LH SIDE, TC |
| 00-34208-11-AB | 1 | | | | | SHEET WLD, 8 YD RH SIDE, TC |
| 00-34208-12-AB | | 1 | 1 | | | SHEET WLD, 12 & 14 YD RH SIDE, TC |
| 00-34208-13-AB | | | | 1 | 1 | SHEET WLD, 16 & 18 YD RH SIDE, TC |
| 00-61280-01-AD | 1 | | | | | FLOOR ASSY, 8 YD COMPLETE, TC |
| 00-61280-02-AD | | 1 | 1 | | | FLOOR ASSY, 12 & 14 YD COMPLETE, TC |
| 00-61281-00-AD | | | | 1 | 1 | FLOOR ASSY, 16 & 18 YD, TC |
| 00-33468-01-AC | 1 | | | | | HOPPER WLD, 8 YD, TC |
| 00-33468-02-AC | | 1 | 1 | 1 | 1 | HOPPER WLD, 12, 14, 16 & 18 YD, TC |
| 00-33445-01-AB | 1 | | | | | BREAKER BAR WLD, 8 YD, TC |
| 00-33445-02-AB | | 1 | 1 | 1 | 1 | BREAKER BAR WLD, 12, 14, 16 & 18 YD, TC |
| 00-34207-01-AD | 1 | | | | | BODY WLD, 8 YD, TC |
| 00-34207-02-AD | | 1 | 1 | | | BODY WLD, 12 & 14 YD, TC |
| 00-34207-03-AD | | | | 1 | 1 | BODY WLD, 16 & 18 YD, TC |
| 00-33916-01-AB | 1 | | | | | COVER ASSY, TRAVEL, TC |
| 00-33916-02-AB | | 1 | 1 | 1 | 1 | COVER ASSY, TRAVEL, TC |
| 00-34206-00-AD | 1 | 1 | 1 | 1 | 1 | BODY ASSY,,TC |
| 00-34214-01-AD | 1 | | | | | TAILGATE INSTALL, 8 YARD, TC |
| 00-34214-02-AD | | 1 | | 1 | | TAILGATE INSTALL, 12 & 16 YARD, TC |
| 00-34214-03-AD | | | 1 | | 1 | TAILGATE INSTALL, 14 & 18 YARD, TC |
| 00-33245-00-AD | 1 | 1 | 1 | 1 | 1 | ELEC ASSY, BODY, TC |
| 00-33582-01-AB | 1 | 1 | 1 | 1 | 1 | DOOR INSTALL, LOWER, TC |
| 00-34218-01-AD | 1 | | | | | HYD ASSY, 8 YD FLOOR, TC |
| 00-34218-02-AD | | 1 | 1 | | | HYD ASSY, 12 & 14 YD FLOOR, TC |
| 00-34218-03-AD | | | | 1 | 1 | HYD ASSY, 16 & 18 YD FLOOR, TC |
| 00-33620-00-AC | 1 | 1 | 1 | 1 | 1 | VALVE INSTALL, FRONT, TC |
| 00-34239-00-AD | 1 | 1 | 1 | 1 | 1 | HYD ASSY, UPPER, TC |

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|-----|----------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN 05122 | DAS | 02/24/12 |
| 2 | ECN 05222 | DAS | 06/01/12 |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

| | | | |
|---|----------------------|---|-----------------------|
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| | | DESCRIPTION <p style="text-align: center;">COMPLETE UNIT, BUSTLE, TC</p> | |
| DRAWN BY DAS | | SCALE 1:6 | DRAWING NO. |
| CHK'D | ECN RELEASE 04729 | DATE 12/08/10 | 00-60478-XX-AB |

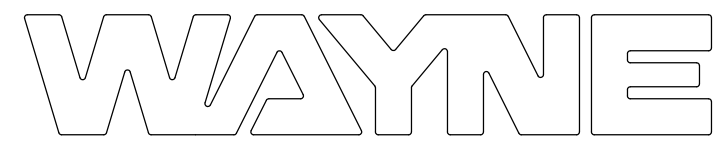
| ITEM | PART NO FOR 00-61280-01-AD | PART NO FOR 00-61280-02-AD |
|------|----------------------------|----------------------------|
| 1 | 00-31172-00-AC | 00-30490-00-AC |
| 11 | 00-31143-01-AB | 00-30487-01-AB |

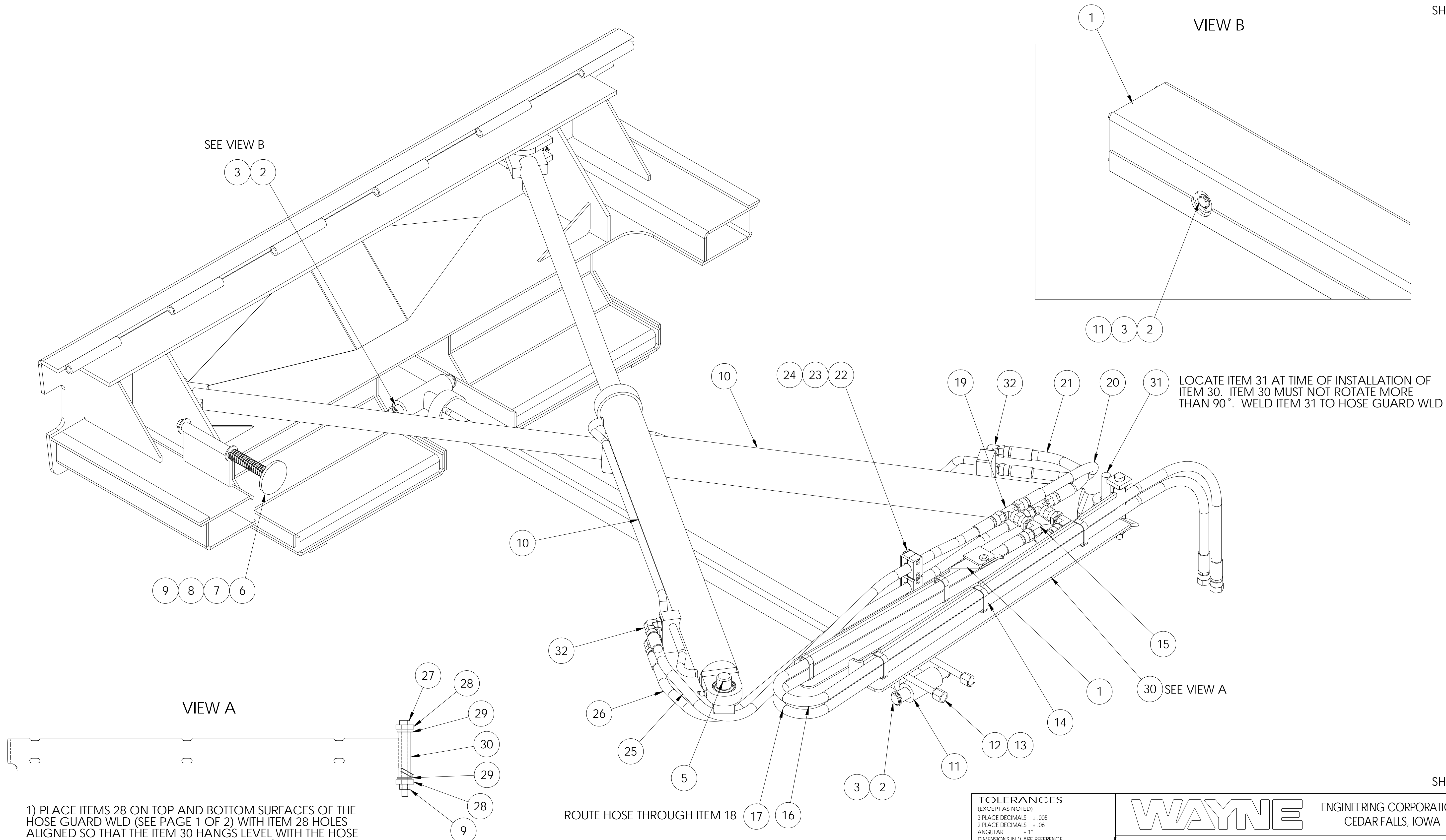


6 YD FLOOR ASSY IS #00-61280-01-AD
 10 YD FLOOR ASSY IS #00-61280-02-AD

| 32 | 842-008-000 | 4 | ELBOW, MALE O-RING |
|----------|----------------|------|-----------------------------|
| 31 | 00-31932-00-OA | 1 | ROD, STOP |
| 30 | 00-30254-01-AA | 1 | SUPPORT ANGLE WLD |
| 29 | 485-007-004 | 2 | WASHER,STD FLAT |
| 28 | 00-30367-00-OA | 2 | HINGE REINFORCEMENT |
| 27 | 415-008-096 | 1 | CAPSCREW |
| 26 | G08E08E10-047 | 1 | HOSE ASSY |
| 25 | G08E08E10-045 | 1 | HOSE ASSY |
| 24 | 415-004-024 | 4 | CAPSCREW |
| 23 | 432-003-020 | 2 | CLAMP SET,HOSE,20MM |
| 22 | 432-003-002 | 2 | COVER PLATE,CLAMP,3 SIZE |
| 21 | G08E08E10-015 | 1 | HOSE ASSY |
| 20 | G08E08E10-021 | 1 | HOSE ASSY |
| 19 | 851-010-010 | 2 | TEE,BRANCH,JIC SWIVEL NUT |
| 18 | 07-52033-00-R | 8 | HOSE COVERING |
| 17 | G08E10E10-098 | 1 | HOSE ASSY |
| 16 | H08E10E10-096 | 1 | HOSE ASSY |
| 15 | 856-010-000 | 2 | BULKHEAD UNION, 90 DEGREE |
| 14 | 430-012-000 | 5 | CLAMP, HOSE 2.25 TO 1.3 DIA |
| 13 | 841-008-008 | 2 | ADAPTER, MALE O-RING |
| 12 | 00-26741-13-AA | 2 | TUBE ASSY |
| 11 | SEE CHART | 1 | CYL, PUSHOUT,TC6 |
| 10 | 00-61113-00-AB | 2 | CYL, PACKING, TC |
| 9 | 445-008-002 | 2 | NUT,LOCK |
| 8 | 600-016-002 | 1 | SPRING, COMPRESSION |
| 7 | 485-008-000 | 3 | WASHER,STD FLAT |
| 6 | 00-33105-00-AA | 1 | LINKAGE WLD, VALVE,TC |
| 5 | 00-20146-00-AA | 4 | PIN ASSY |
| 4 | 00-31442-00-AB | 1 | PANEL WLD, PACKING, TC |
| 3 | 470-016-001 | 4 | SNAP RING, EXTERNAL |
| 2 | 00-30510-02-OA | 2 | PIN, PUSHOUT CYL |
| 1 | SEE CHART | 1 | PUSHOUT WLD, 6YD, TC |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

| | | | |
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| | | DESCRIPTION <h3>FLOOR ASSY, COMPLETE, TC</h3> | |
| DRAWN BY DGI | SCALE 1:6 | DRAWING NO. 00-61280-XX-AD | |
| CHK'D | ECN RELEASE 05097 | DATE 02/01/12 | |



LOCATE ITEM 31 AT TIME OF INSTALLATION OF ITEM 30. ITEM 30 MUST NOT ROTATE MORE THAN 90°. WELD ITEM 31 TO HOSE GUARD WLD

ROUTE HOSE THROUGH ITEM 18

- 1) PLACE ITEMS 28 ON TOP AND BOTTOM SURFACES OF THE HOSE GUARD WLD (SEE PAGE 1 OF 2) WITH ITEM 28 HOLES ALIGNED SO THAT THE ITEM 30 HANGS LEVEL WITH THE HOSE GUARD WLD AND LEVEL WHEN ROTATED 90°.
- 2) ALIGN THE FACE OF EACH ITEM 28 TO BE PARRALLEL WITH FRONT OF THE HOSE GUARD WLD.
- 3) TACK WELD TWO OPPOSITE CORNERS OF EACH ITEM 28 TO THE HOSE GUARD WLD.
- 4) WELD ITEMS 29 & 30 TOGETHER SO BOTH WASHERS ARE INLINE WITH ITEM 30.

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

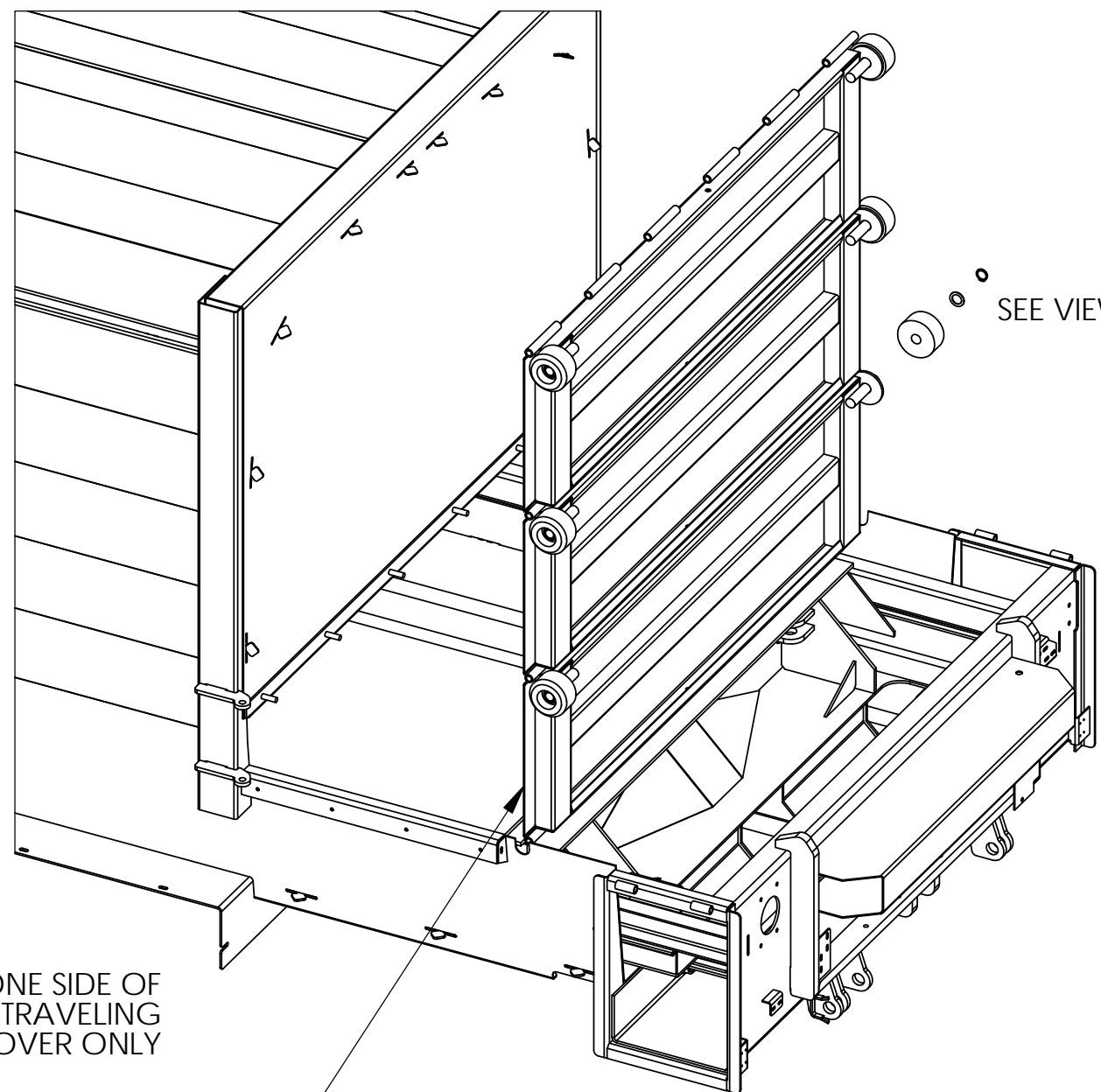
| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

WAYNE ENGINEERING CORPORATION
CEDAR FALLS, IOWA

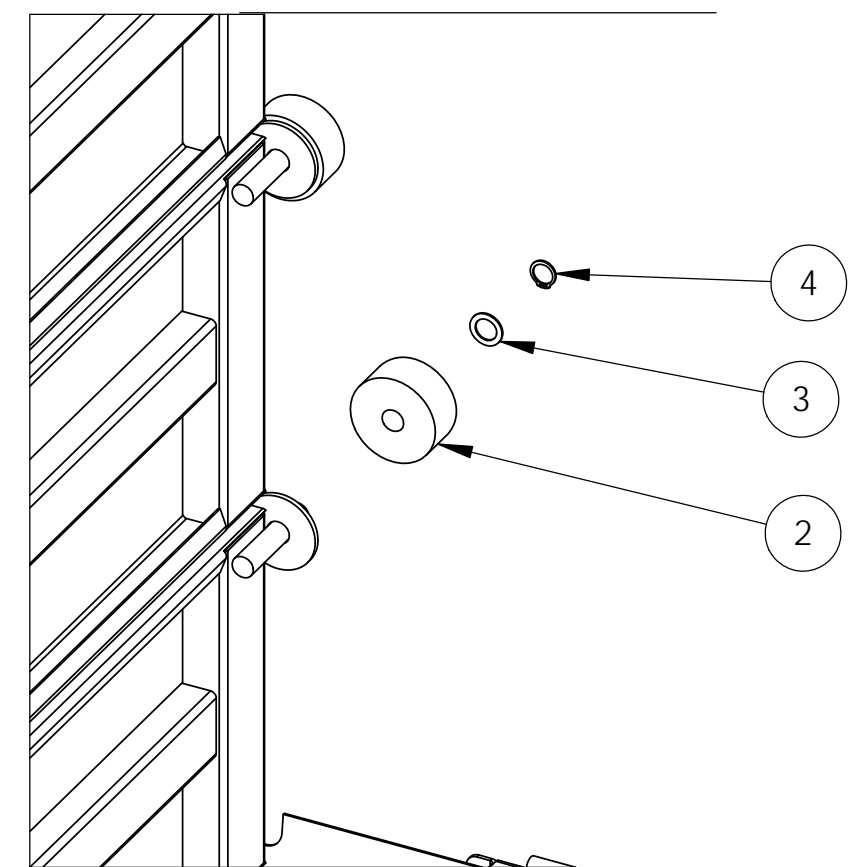
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DESCRIPTION: **FLOOR ASSY, COMPLETE, TC**

| | | |
|----------------------|-----------------------|------------------------------------|
| DRAWN BY: DGI | SCALE: 1:4 | DRAWING NO.: 00-61280-XX-AD |
| CHK'D: 05097 | DATE: 02/01/12 | |



SEE VIEW A



VIEW A
SCALE 1:8

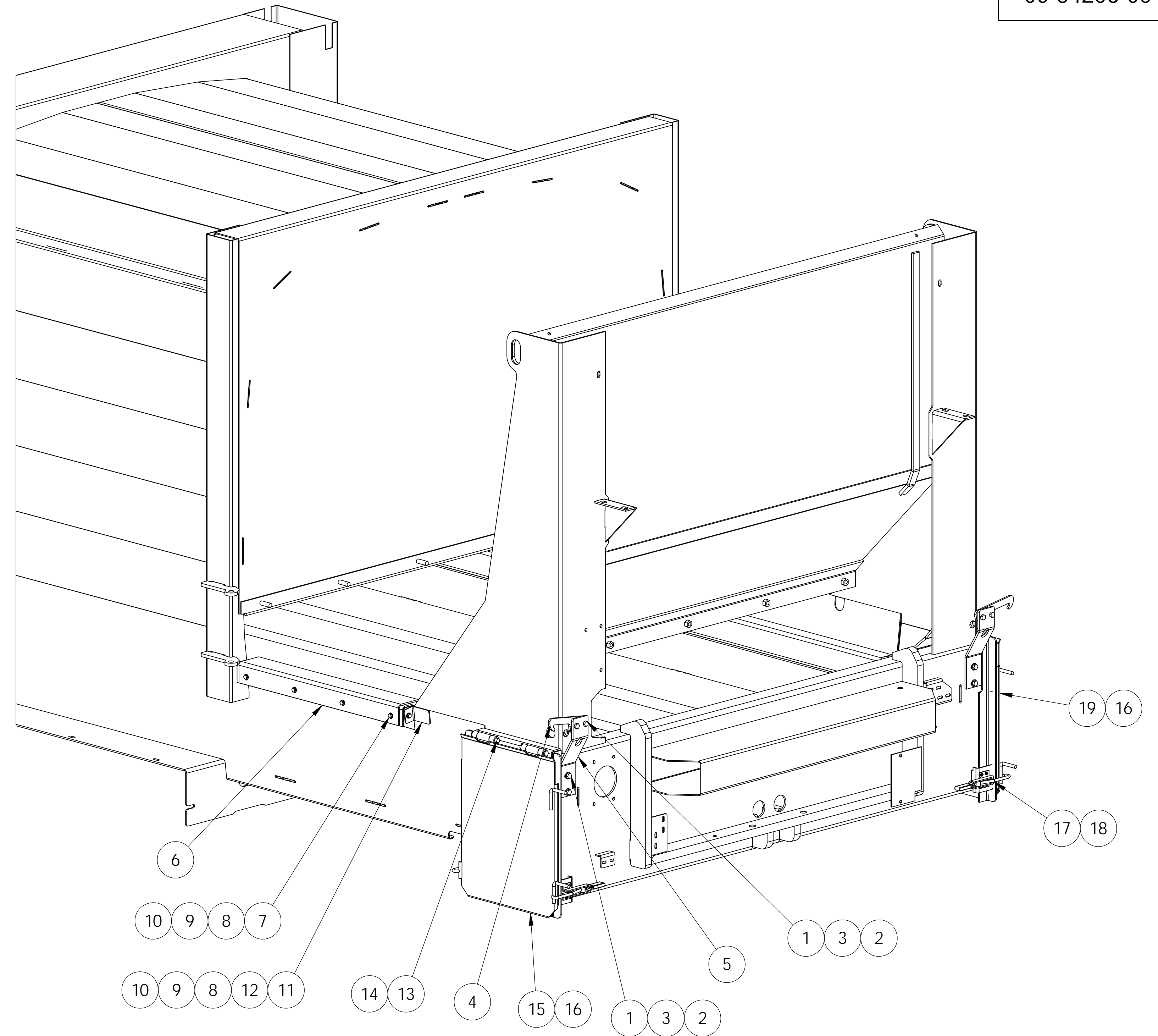
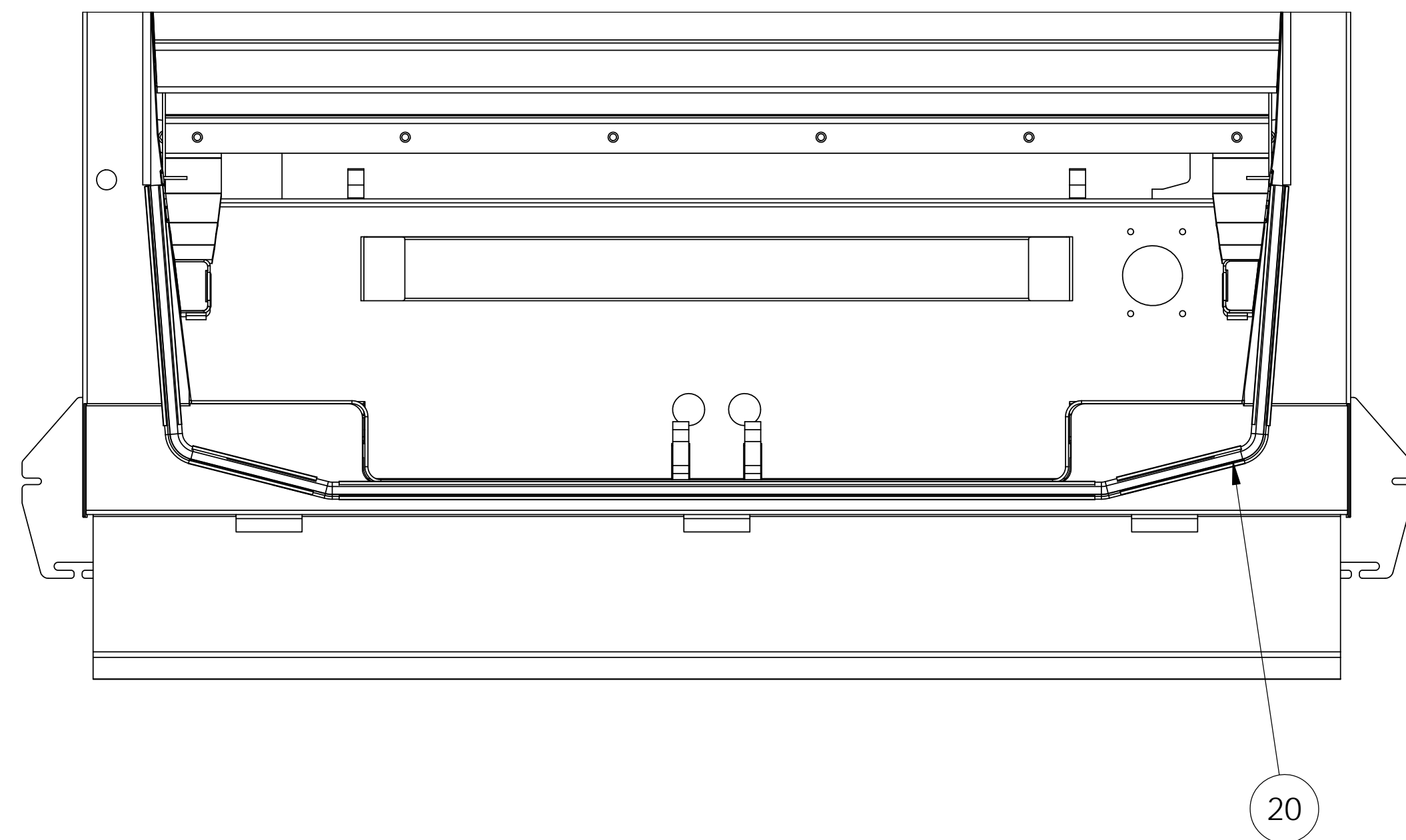
WELD ONE SIDE OF
PIN TO TRAVELING
COVER ONLY

1

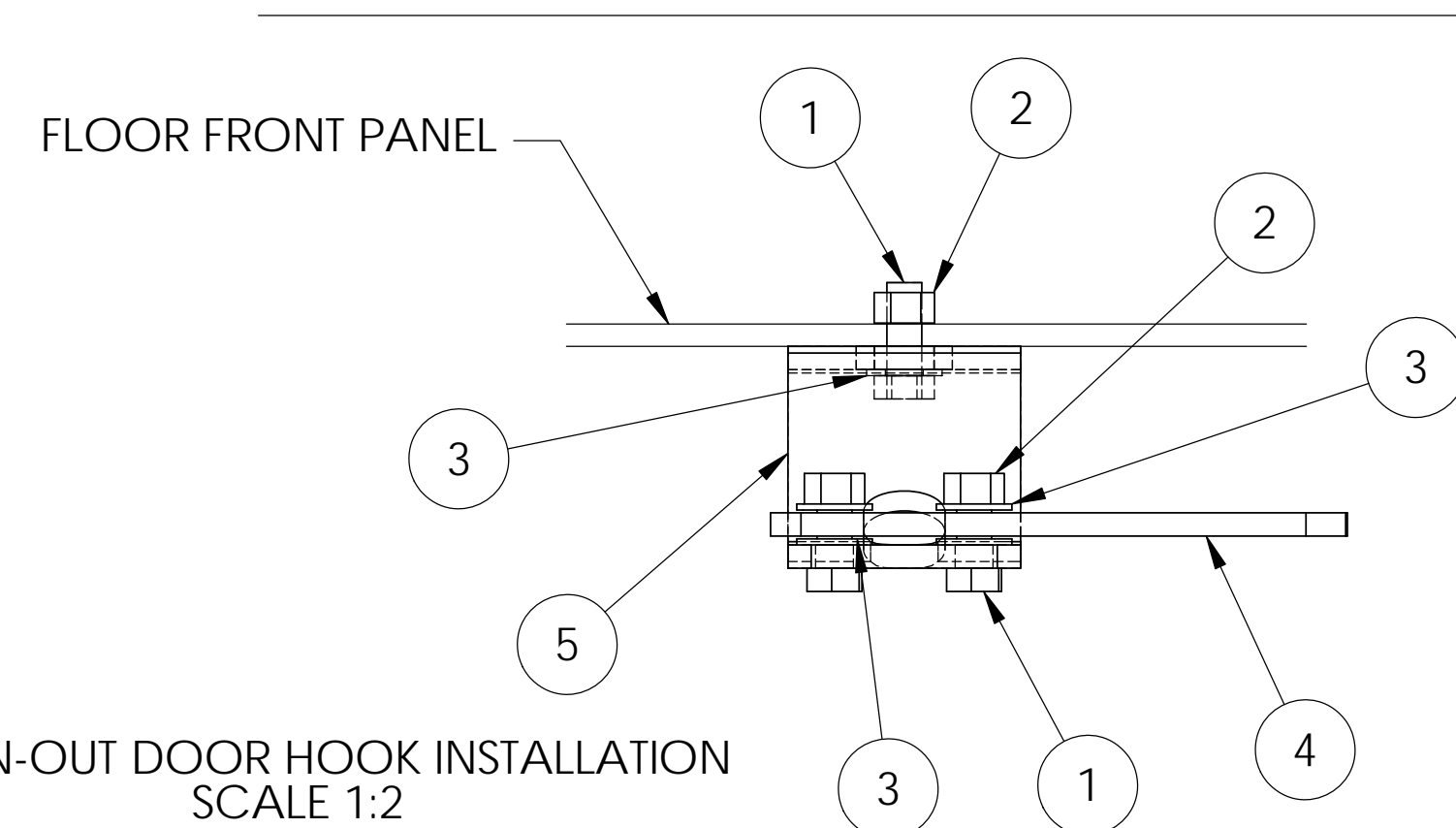
| ITEM NO. | PART NUMBER | DWG/QTY. | DESCRIPTION |
|----------|----------------|----------|---------------------|
| 4 | 470-016-001 | 6 | SNAP RING, EXTERNAL |
| 3 | 440-016-000 | 6 | BUSHING, MACHINE |
| 2 | 00-30408-00-WA | 6 | WHEEL, GUIDE |
| 1 | 00-30410-00-AB | 3 | TRAVELING COVER WLD |

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

| | | | |
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| | | ENGINEERING CORPORATION CEDAR FALLS, IOWA | |
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| DESCRIPTION | | | |
| COVER ASSY, TRAVEL, TC | | | |
| DRAWN BY | | SCALE | DRAWING NO. |
| DAS | | 1:16 | 00-33916-01-AB |
| CHK'D | ECN RELEASE | DATE | |
| | 02493 | 05/26/04 | |



| | | | |
|----------|----------------|------|----------------------------|
| 20 | 00-20155-02-OA | 1 | SEAL, TAILGATE |
| 19 | 00-31351-02-AB | 1 | DOOR WLD, CLEAN-OUT, LH TC |
| 18 | 462-002-008 | 16 | SCREW, SELF TAPPING |
| 17 | 425-029-000 | 4 | CLAMP, TOGGLE |
| 16 | 00-20155-03-OA | 2 | SEAL, TAILGATE |
| 15 | 00-31351-03-AB | 1 | DOOR WLD, CLEAN-OUT, RH TC |
| 14 | 480-004-025 | 4 | PIN, SPRING |
| 13 | 485-008-018 | 4 | PIN, CLEVIS |
| 12 | 415-004-012 | 2 | CAPSCREW, 1/4-20 X 3/4 |
| 11 | 00-33884-00-OA | 2 | COVER, HINGE PIN, TC |
| 10 | 445-004-001 | 10 | NUT, STD |
| 9 | 485-008-004 | 10 | WASHER, LOCK |
| 8 | 485-004-001 | 12 | WASHER, SAE FLAT |
| 7 | 415-004-016 | 8 | CAPSCREW |
| 6 | 00-33601-00-OA | 2 | GUARD, LOADING SILL, TC |
| 5 | 00-32698-01-OA | 2 | BRKT, CLEAN-OUT DOOR |
| 4 | 00-32697-00-OA | 2 | HOOK, DOOR, CLEAN-OUT |
| 3 | 485-006-001 | 12 | WASHER, SAE FLAT |
| 2 | 445-006-002 | 8 | NUT, LOCK |
| 1 | 415-006-016 | 8 | CAPSCREW |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

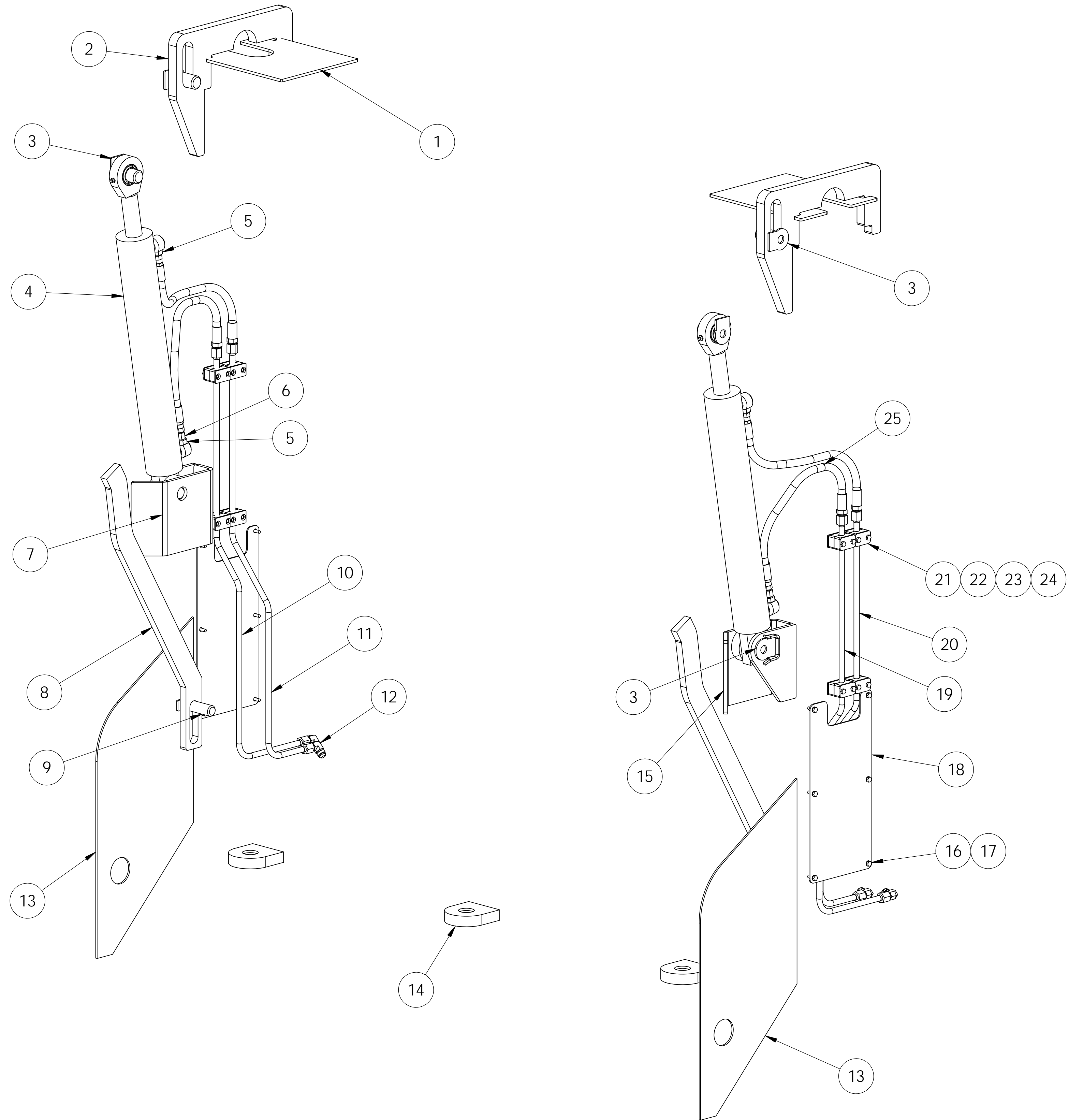


| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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CEDAR FALLS, IOWA

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| | | | |
|-------------|----------------------|-----------------------|-------------------------------|
| DESCRIPTION | | BODY ASSY, BUSTLE, TC | |
| DRAWN BY | DAS | SCALE | 1:8 |
| CHK'D | ECN RELEASE 04729 | DATE | 12/09/10 |
| | | | DRAWING NO. 00-34206-00-AD |



| | | | |
|----------|----------------|------|------------------------------|
| 33 | 445-006-001 | 4 | NUT,STD |
| 32 | 440-029-000 | 4 | WASHER,LOCK |
| 31 | 415-006-016 | 4 | CAPSCREW |
| 30 | 00-31966-01-AB | 1 | LIGHT BAR WLD |
| 29 | 00-33121-01-AD | 1 | TAILGATE WLD,BUSTLE,TC8 |
| 28 | G06C08E06-024 | 1 | HOSE ASSY,, |
| 27 | G06C08E06-024 | 1 | HOSE ASSY,, |
| 26 | G06C08E06-024 | 1 | HOSE ASSY,, |
| 25 | G06C08E06-024 | 1 | HOSE ASSY,, |
| 24 | 415-004-024 | 16 | CAPSCREW |
| 23 | 432-003-001 | 8 | WELD BASE,CLAMP,3 SIZE |
| 22 | 432-003-013 | 8 | CLAMP SET,HOSE,13MM |
| 21 | 432-003-002 | 8 | COVER PLATE,CLAMP,3 SIZE |
| 20 | 00-33237-01-AB | 1 | TUBE ASSU,RH TG LOWER,TC |
| 19 | 00-33235-01-AB | 1 | TUBE ASSY,RH TG RAISE,TC |
| 18 | 00-30433-04-OB | 2 | COVER,CYL HOUSING,TC |
| 17 | 485-008-004 | 12 | WASHER,LOCK |
| 16 | 415-004-012 | 12 | CAPSCREW, 1/4-20 X 3/4 |
| 15 | 00-33225-02-AA | 1 | BRKT WLD,RH LOWER TG CYL,TC |
| 14 | 00-30681-00-OA | 3 | ANCHOR, GUIDE PIN |
| 13 | 00-33217-01-OB | 2 | WING,REAR,TC8 |
| 12 | 850-008-000 | 4 | ELBOW, JIC, 90 DEGREE |
| 11 | 00-33236-01-AB | 1 | TUBE ASSY,LH TG LOWER,TC |
| 10 | 00-33234-01-AB | 1 | TUBE ASSY,LH TG RAISE,TC |
| 9 | 00-27943-00-AA | 2 | PIN WLD,1.00 DIA, |
| 8 | 00-33226-01-OA | 2 | PROP,TAILGATE,TC8 |
| 7 | 00-33225-01-AA | 1 | BRKT WLD,LH LOWER TG CYL,TC |
| 6 | 00-24369-02-OA | 2 | FITTING,ORIFICE, |
| 5 | 841-008-006 | 4 | ADAPTER,MALE O-RING,MALE JIC |
| 4 | 00-24210-01-WB | 2 | CYLINDER ASSY,TG LIFT,CTFE |
| 3 | 00-20146-00-AA | 6 | PIN ASSY |
| 2 | 00-33232-00-OA | 2 | ANCHOR,BUSTLE TG,TC6 |
| 1 | 00-33139-00-OA | 2 | CAP,REAR POST,TC |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

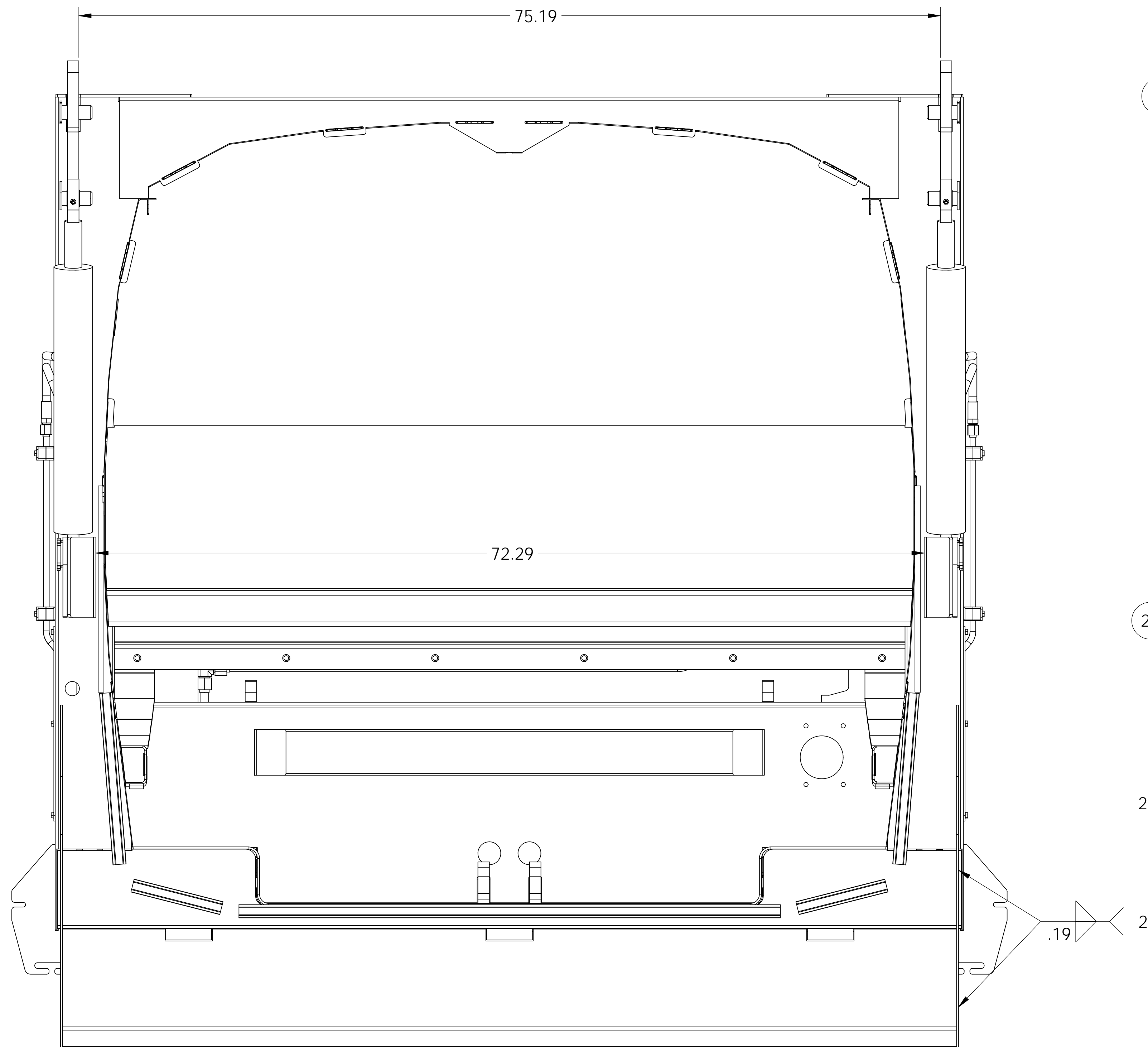
| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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CEDAR FALLS, IOWA

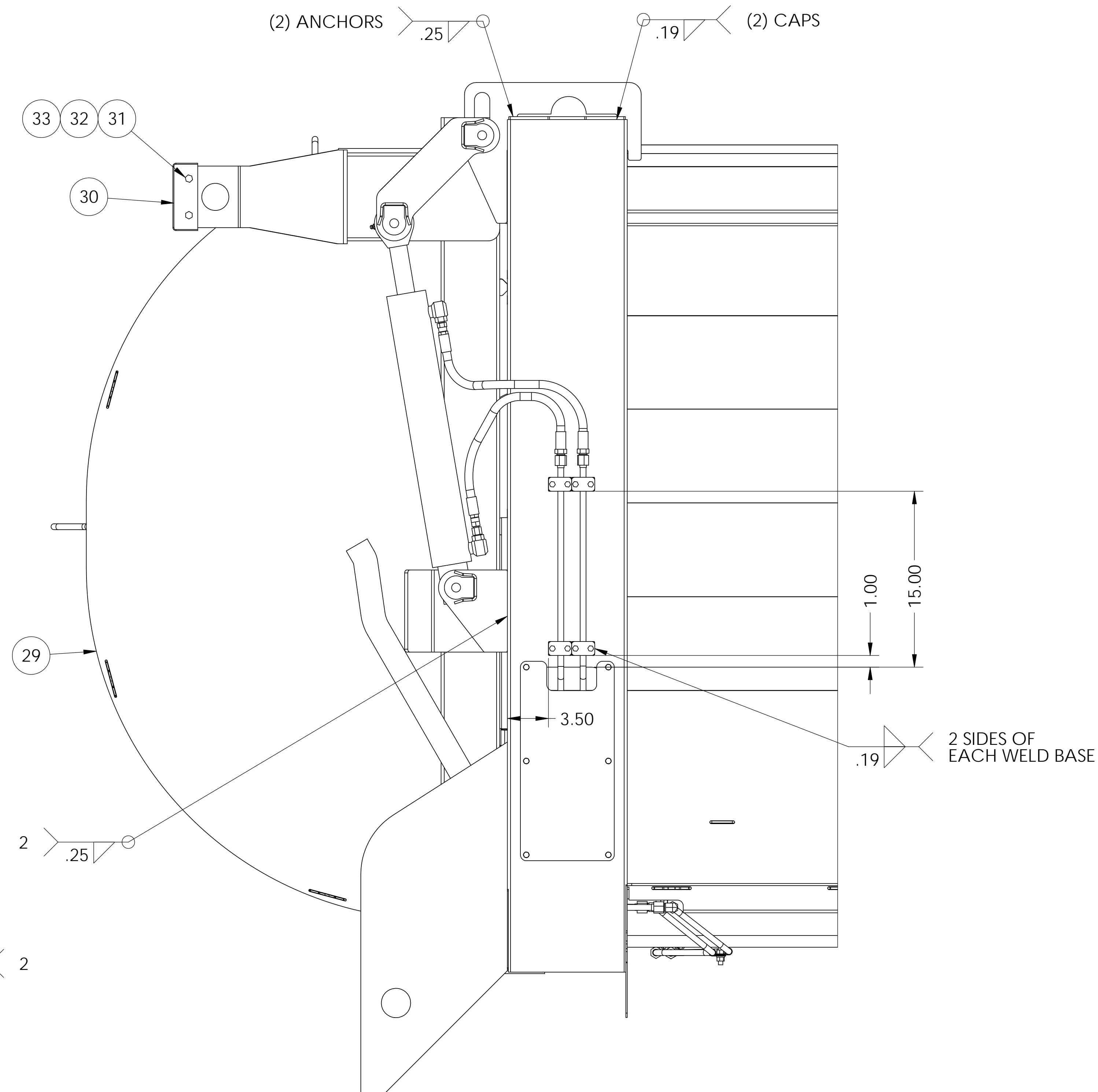
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DESCRIPTION: TAILGATE INSTALL, BUSTLE 8 YD, TC

| | | | | | |
|----------|----------------------|-------|----------|-------------|----------------|
| DRAWN BY | DAS | SCALE | 1:6 | DRAWING NO. | 00-34214-01-AD |
| CHK'D | ECN RELEASE 02682 | DATE | 10/06/04 | | |



REAR VIEW, TAILGATE, LIGHT BAR & PROPS ARE NOT SHOWN



TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

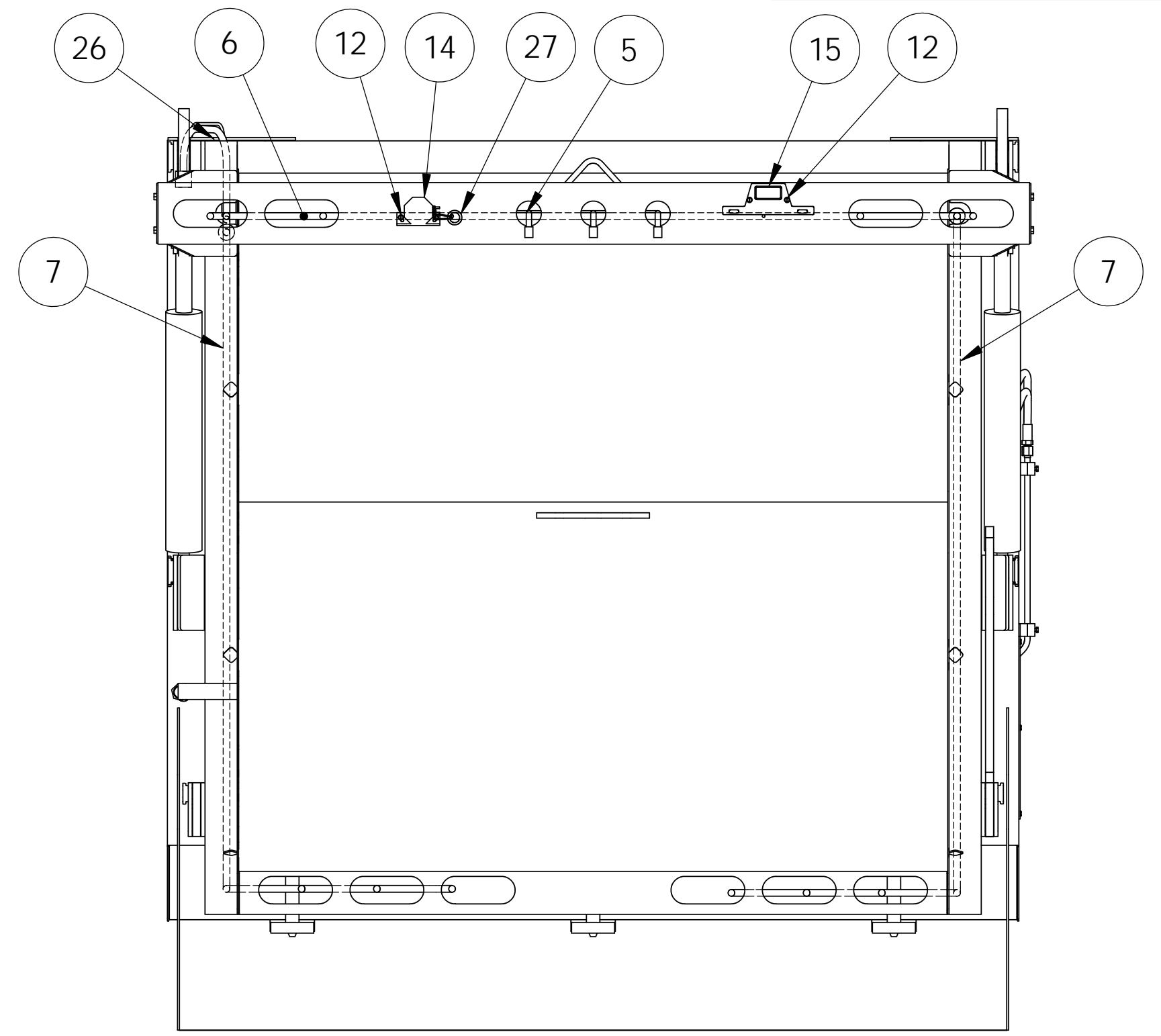
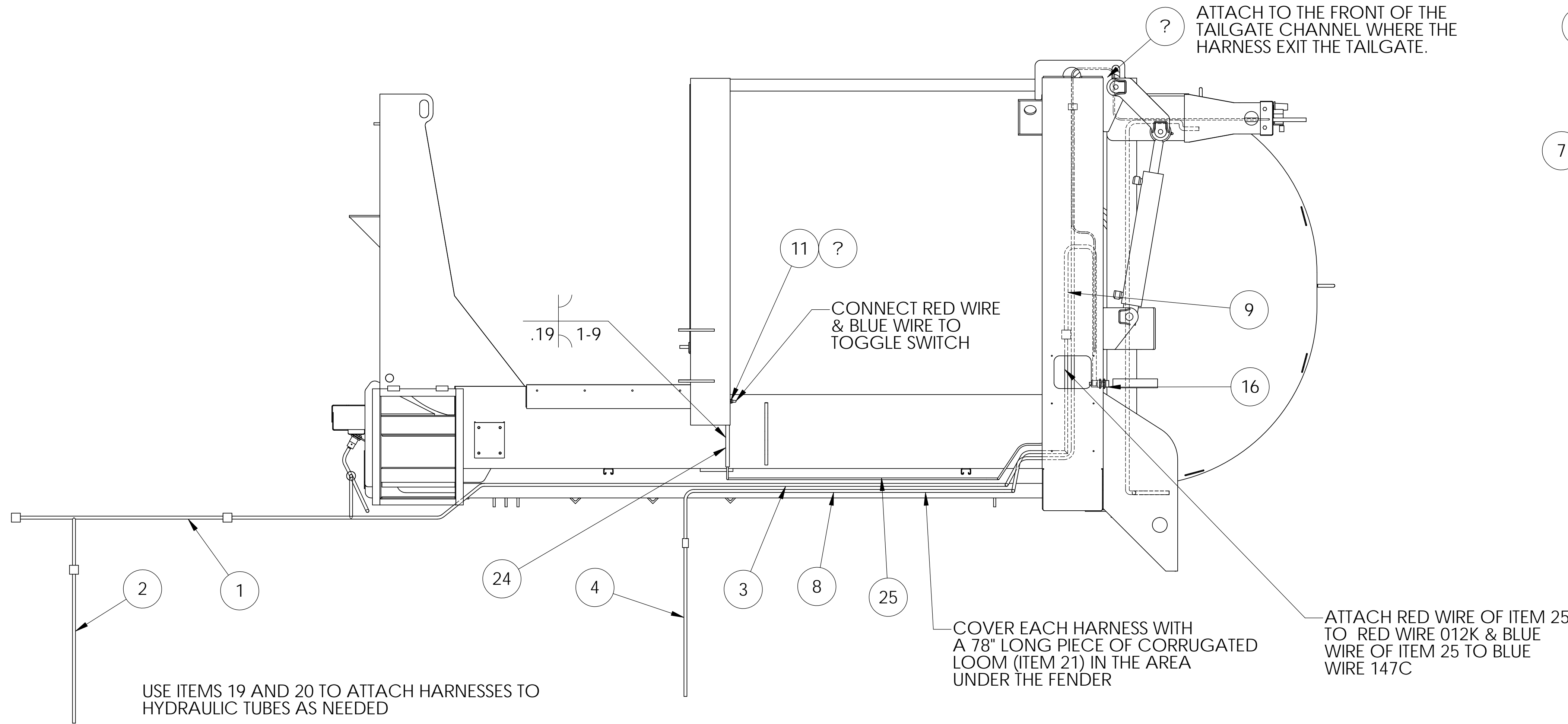
| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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CEDAR FALLS, IOWA

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DESCRIPTION
TAILGATE INSTALL, BUSTLE 8 YD, TC

| | | | | |
|----------|----------------------|-------|----------|----------------|
| DRAWN BY | DAS | SCALE | 1:6 | DRAWING NO. |
| CHK'D | ECN RELEASE 02682 | DATE | 10/06/04 | 00-34214-01-AD |



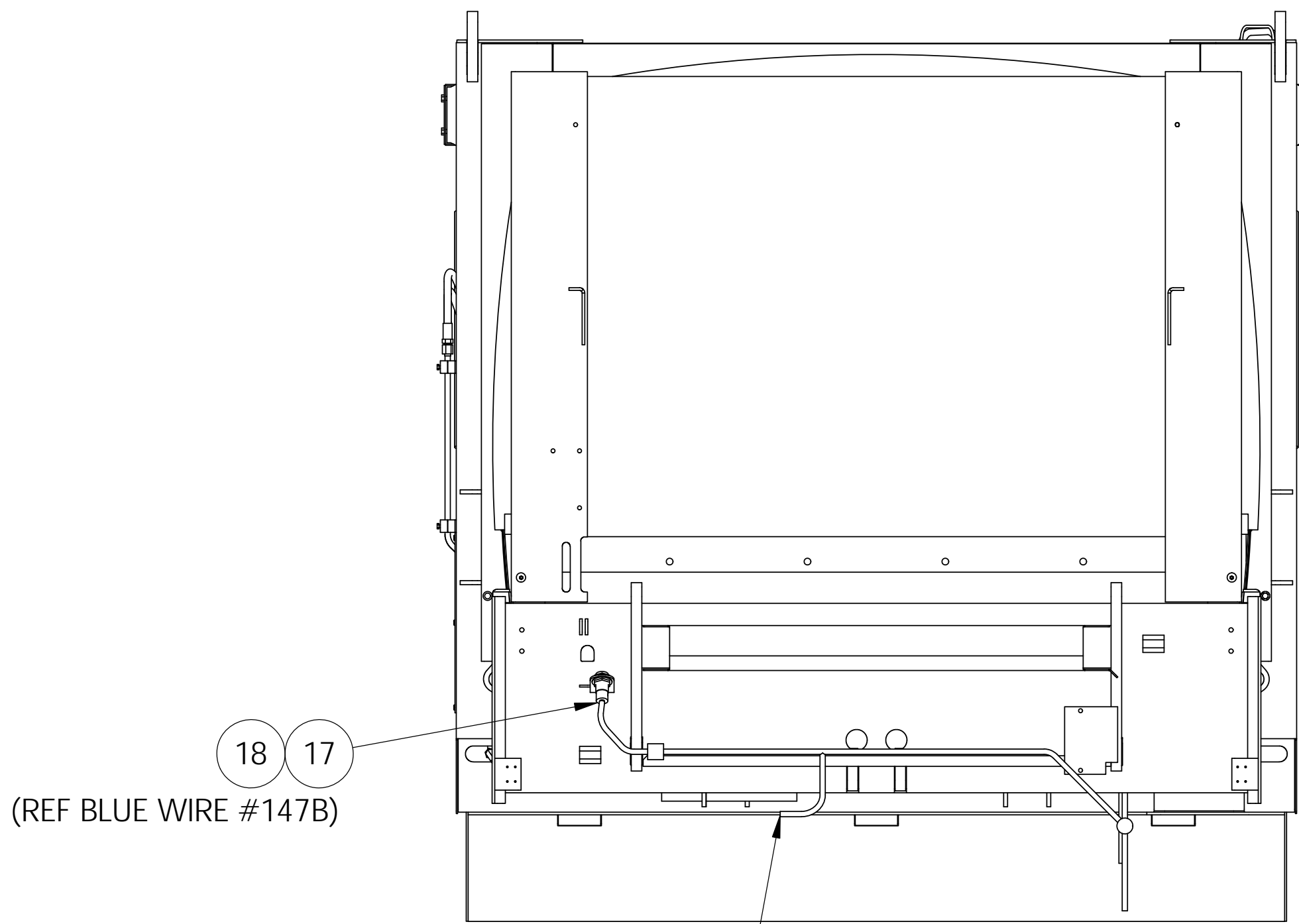
USE ITEMS 19 AND 20 TO ATTACH HARNESSES TO HYDRAULIC TUBES AS NEEDED

COVER EACH HARNESS WITH A 78" LONG PIECE OF CORRUGATED LOOM (ITEM 21) IN THE AREA UNDER THE FENDER

ATTACH RED WIRE OF ITEM 25 TO RED WIRE 012K & BLUE WIRE OF ITEM 25 TO BLUE WIRE 147C

CONNECT BROWN WIRE IN HARNESS TO LICENSE LAMP
 CONNECT BLACK WIRE IN HARNESS TO BLACK WIRE FROM ALARM
 CONNECT BLUE WIRE IN HARNESS TO BLUE WIRE FROM ALARM
 CONNECT WHITE WIRE 083 IN HARNESS TO GREEN/BLACK WIRE FROM ALARM
 WHITE WIRE 043 IN HARNESS IS FOR REAR STROBE LIGHT

| 27 | 303-020-015 | 1 | BUSHING, SNAP |
|----------|----------------|------|------------------------------|
| 26 | 07-70002-09-R | 0.5 | TRIM LOCK |
| 25 | 00-33880-00-AA | 1 | HARNESS, ENGINE ACCEL, TC |
| 24 | 00-33879-00-OA | 1 | CONDUIT, ENGINE ACCEL, TC |
| 23 | 345-030-003 | 1 | RECEPTACLE, 3 WAY |
| 22 | 345-005-050 | 3 | PLUG, SEALING 16 & 12 GA |
| 21 | 07-52012-90-R | 13 | LOOM, CORRUGATED, 3/4 |
| 20 | 430-004-000 | 12 | STRAP, TIE |
| 19 | 430-003-000 | 24 | STRAP, TIE |
| 18 | 440-020-000 | 2 | BUSHING, MACHINE, 1 1/4 |
| 17 | 345-014-009 | 1 | SWITCH, PROX N.O. W/DEUTSCH |
| 16 | 345-014-006 | 1 | SWITCH, PROX, NO & NC |
| 15 | 332-024-000 | 1 | LAMP, LICENSE |
| 14 | 00-14638-00-AB | 1 | ALARM ASSY, BACK-UP/TG OPEN, |
| 13 | 303-009-010 | 1 | BUSHING, SNAP |
| 12 | 415-004-008 | 4 | CAPSCREW, SELF TAPPING |
| 11 | 345-005-007 | 1 | BOOT, SWITCH |
| 10 | 345-005-006 | | SWITCH, TOGGLE |
| 9 | 00-32962-02-AB | 1 | HARNESS, REAR BODY, TC |
| 8 | 00-32120-01-OB | 1 | HARNESS, REAR |
| 7 | 00-32119-02-AB | 2 | HARNESS, LOWER LIGHT, TC |
| 6 | 00-32118-02-AB | 1 | HARNESS, UPPER LIGHT, TC |
| 5 | 00-30826-02-OA | 1 | HARNESS, CLUSTER |
| 4 | 00-31835-02-OB | 1 | HARNESS, CHASSIS LIGHTS |
| 3 | 00-32961-00-AB | 1 | HARNESS, BODY |
| 2 | 00-32970-00-AB | 1 | HARNESS, POWER |
| 1 | 00-32960-00-AB | 1 | HARNESS, CHASSIS |
| ITEM NO. | PART NO. | QTY. | DESCRIPTION |



CAP UN-USED PROX CONNECTION USING ITEMS 22 AND 23 (REF BLUE WIRE #098A)

| TOLERANCES | | | |
|---------------------------------|------------|-----|----------|
| (EXCEPT AS NOTED) | | | |
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN 02478 | DAS | 05/12/04 |
| 2 | ECN 03056 | DAS | 12/08/05 |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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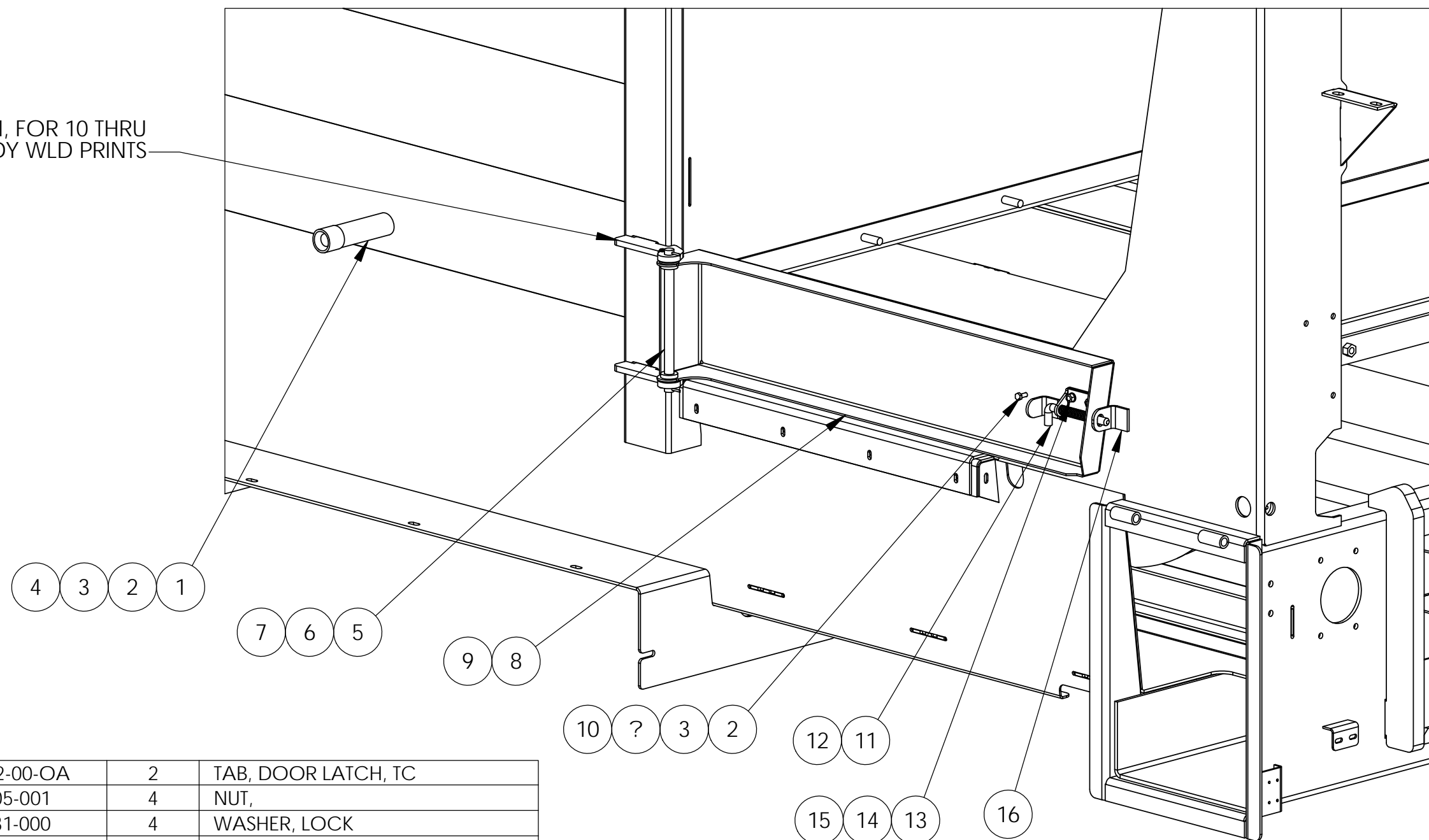
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DESCRIPTION: **ELEC ASSY, BODY/BUSTLE TG, TC**

DRAWN BY: **DSS** SCALE: **1:12** DRAWING NO.: **00-33245-00-AD**

CHK'D: **ECN RELEASE 02056** DATE: **08/13/03**

6 & 8 YD SHOWN, FOR 10 THRU
14 YD SEE BODY WLD PRINTS



| | | | |
|----------|----------------|------------------|----------------------------|
| 16 | 00-33592-00-OA | 2 | TAB, DOOR LATCH, TC |
| 15 | 445-005-001 | 4 | NUT, |
| 14 | 470-031-000 | 4 | WASHER, LOCK |
| 13 | 424-005-012 | 4 | CAPSCREW, FLAT SOCKET HEAD |
| 12 | 425-008-002 | 1 | LATCH,HEAVY DUTY,RH |
| 11 | 425-008-001 | 1 | LATCH, HEAVY DUTY,LH |
| 10 | 445-004-001 | 2 | NUT,STD |
| 9 | 00-33581-01-AB | 1 | DOOR WLD, LH LOWER, TC |
| 8 | 00-33581-02-AB | 1 | DOOR WLD, RH LOWER, TC |
| 7 | 485-010-018 | 4 | WASHER,SAE FLAT |
| 6 | 400-047-000 | 4 | PIN, COTTER |
| 5 | 00-31344-00-OA | 2 | PIN, HINGE |
| 4 | 425-018-001 | 2 | BUMPER KIT |
| 3 | 485-008-004 | 4 | WASHER,LOCK |
| 2 | 415-004-016 | 4 | CAPSCREW |
| 1 | 00-32894-00-OA | 2 | SHAFT, DOOR STOP, TC |
| ITEM NO. | PART NUMBER | Default/ QTY. | DESCRIPTION |

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

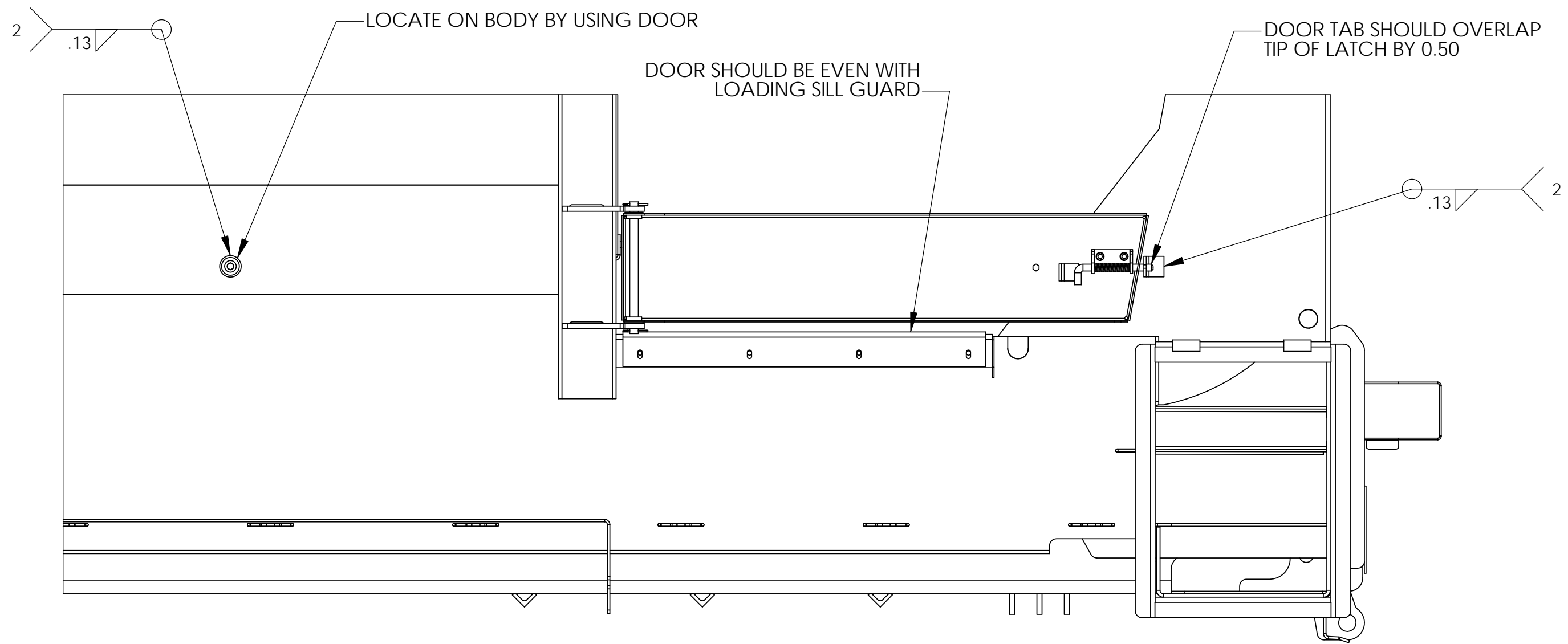
| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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DESCRIPTION
DOOR INSTALLATION, LOWER, TC

| | | | | |
|----------|----------------------|-------|-----------------|--------------------------------------|
| DRAWN BY | DAS | SCALE | 1:8 | DRAWING NO. 00-33582-01-AB |
| CHK'D | ECN RELEASE 02502 | DATE | 12/15/03 | |



TOLERANCES
 (EXCEPT AS NOTED)
 3 PLACE DECIMALS ± .005
 2 PLACE DECIMALS ± .06
 ANGULAR ± 1°
 DIMENSIONS IN () ARE REFERENCE

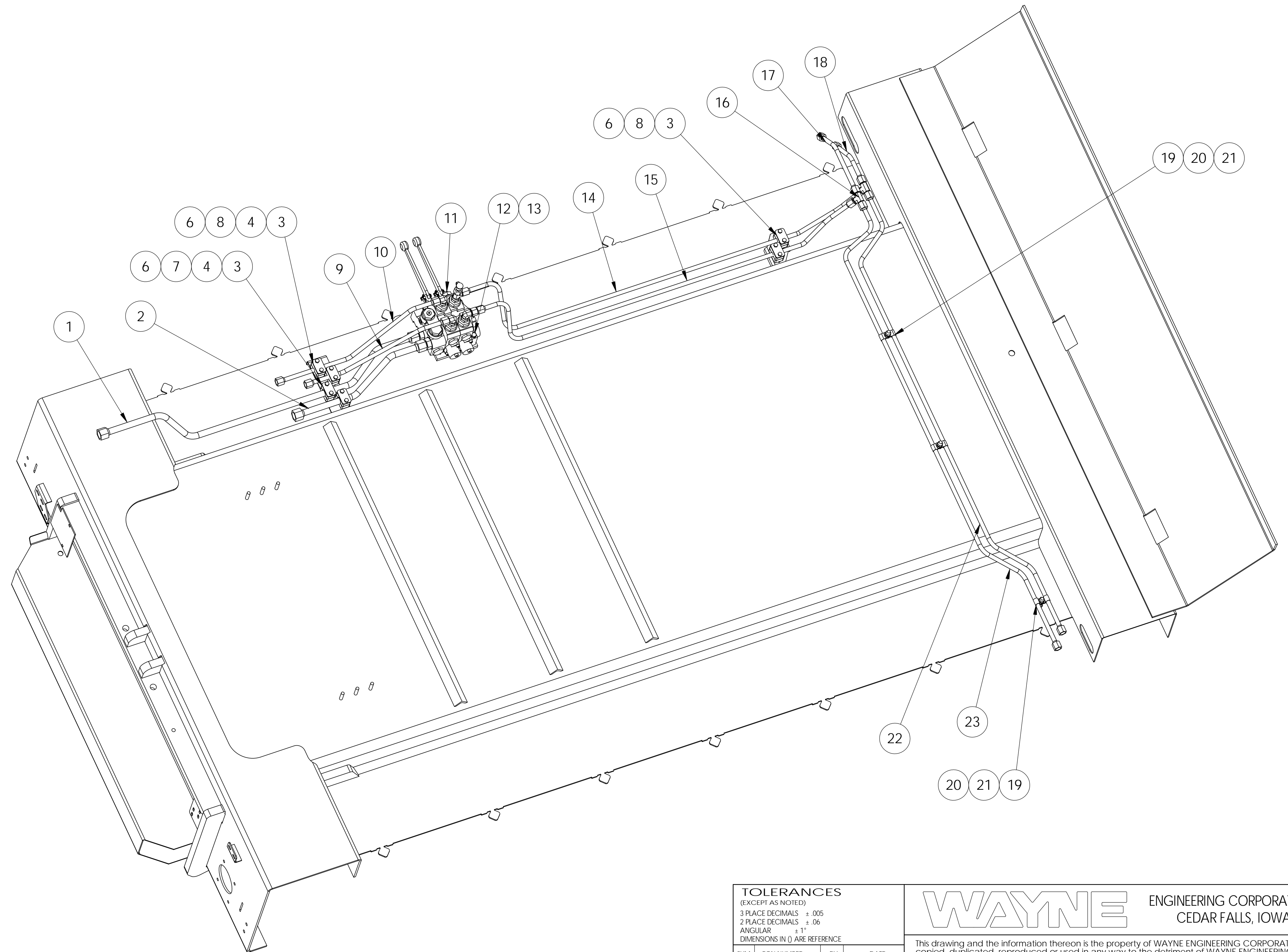
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| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

DESCRIPTION
DOOR INSTALLATION, LOWER, TC

| | | |
|------------------------|-----------------------------|--------------------------------------|
| DRAWN BY DAS | SCALE 1:8 | DRAWING NO. 00-33582-01-AB |
| CHK'D | ECN RELEASE 02502 | DATE 12/15/03 |



| | | | |
|----------|----------------|------|----------------------------|
| 23 | 00-32915-00-AB | 1 | TUBE ASSY, TG EXTEND |
| 22 | 00-32914-00-AB | 1 | TUBE ASSY, TG RETRACT |
| 21 | 440-029-000 | 3 | WASHER, LOCK |
| 20 | 445-006-001 | 6 | NUT, STD |
| 19 | 400-015-008 | 6 | CLAMP, HOSE SUPPORT |
| 18 | 00-32911-00-AA | 1 | TUBE ASSY, TG RETRACT |
| 17 | 00-32910-00-AA | 1 | TUBE ASSY, TG EXTEND |
| 16 | 806-011-008 | 2 | TEE, UNION |
| 15 | 00-33358-03-AA | 1 | TUBE ASSY, TAILGATE, TC |
| 14 | 00-33357-03-AA | 1 | TUBE ASSY, TAILGATE, TC |
| 13 | 470-031-000 | | WASHER, LOCK |
| 12 | 415-005-040 | 3 | CAPSCREW |
| 11 | 00-33352-00-AB | 1 | VALVE ASSY, REAR, TC |
| 10 | 00-33356-01-AA | 1 | TUBE ASSY, EJECT, TC |
| 9 | 00-33355-01-AA | 1 | TUBE ASSY, EJECT, TC |
| 8 | 432-003-013 | 4 | CLAMP SET, HOSE, 13MM |
| 7 | 432-003-019 | 2 | CLAMP SET, HOSE, 19MM |
| 6 | 445-004-006 | 12 | NUT, FLANGE LOCK |
| 5 | | | |
| 4 | 415-004-032 | 12 | CAPSCREW |
| 3 | 432-003-002 | 6 | COVER PLATE, CLAMP, 3 SIZE |
| 2 | 00-33353-01-AA | 1 | TUBE ASSY, RETURN, TC |
| 1 | 00-33354-01-AA | 1 | TUBE ASSY, PRESSURE, TC |
| ITEM NO. | PART NO. | QTY. | DESCRIPTION |

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ±.005
2 PLACE DECIMALS ±.06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

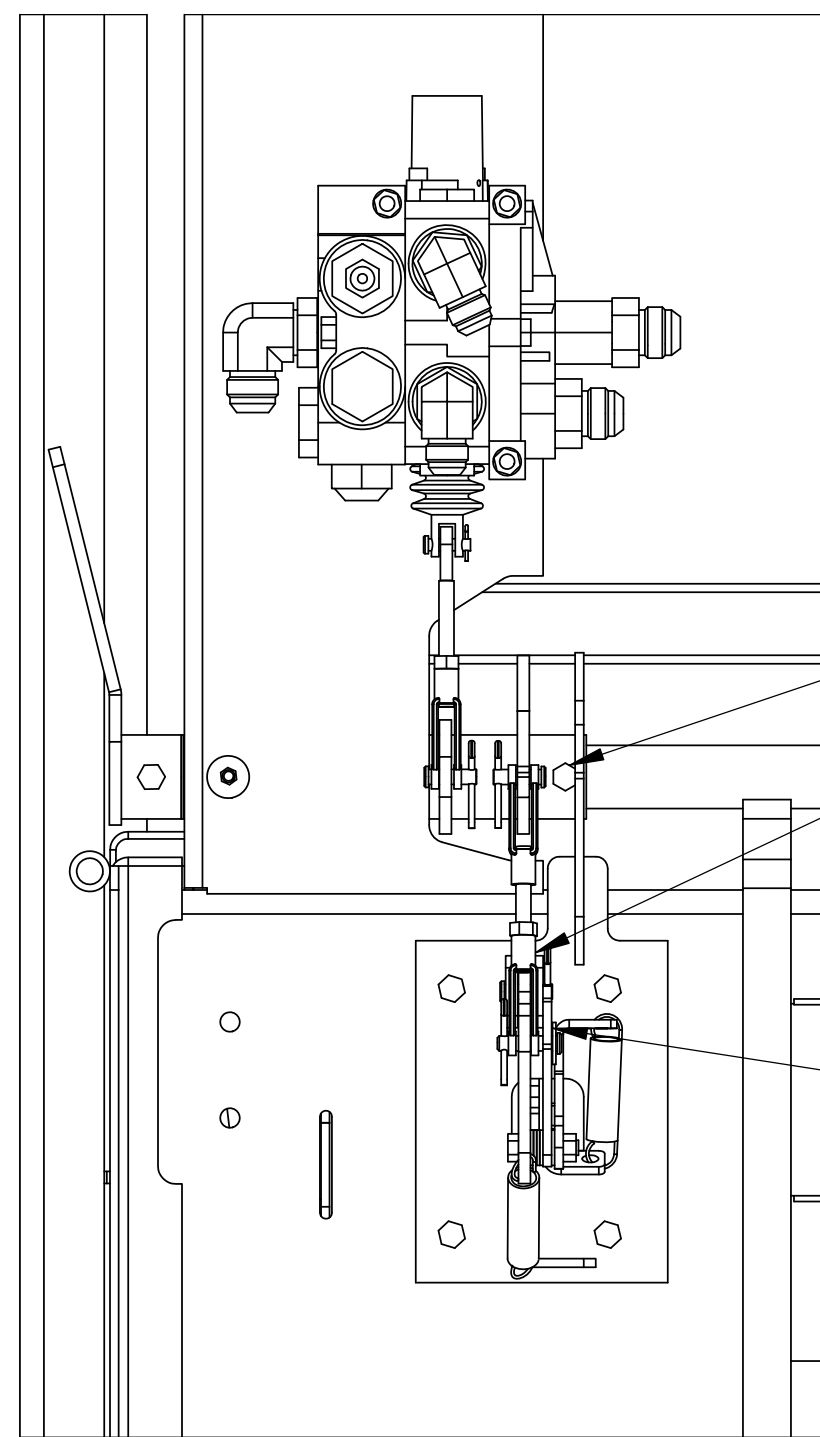
| SYM | ECN NUMBER | BY | DATE |
|-----|------------|-----|----------|
| 1 | ECN 02968 | DAS | 08/08/05 |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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CEDAR FALLS, IOWA

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DESCRIPTION: **HYD ASSY, FLOOR, TC**

| | | | | |
|----------|-----------------------|-------|----------|--------------------------------------|
| DRAWN BY | DAS | SCALE | 1:7 | DRAWING NO. 00-34218-01-AD |
| CHK'D | ECN RELEASE 002671 | DATE | 10/07/04 | |



16 17

ITEM 5 MUST MOVE FREELY
IN ITEM 12

11 PLACE BETWEEN ITEM 12
AND PIN HEAD

NOTE A:
SHIM ITEM 18 WITH 440-021-000 (ITEM 22) SO
THAT THERE IS LESS THAN 0.06 END PLAY
(QTY OF 6 ON ITEM 22 IS A REFERANCE)

20 19

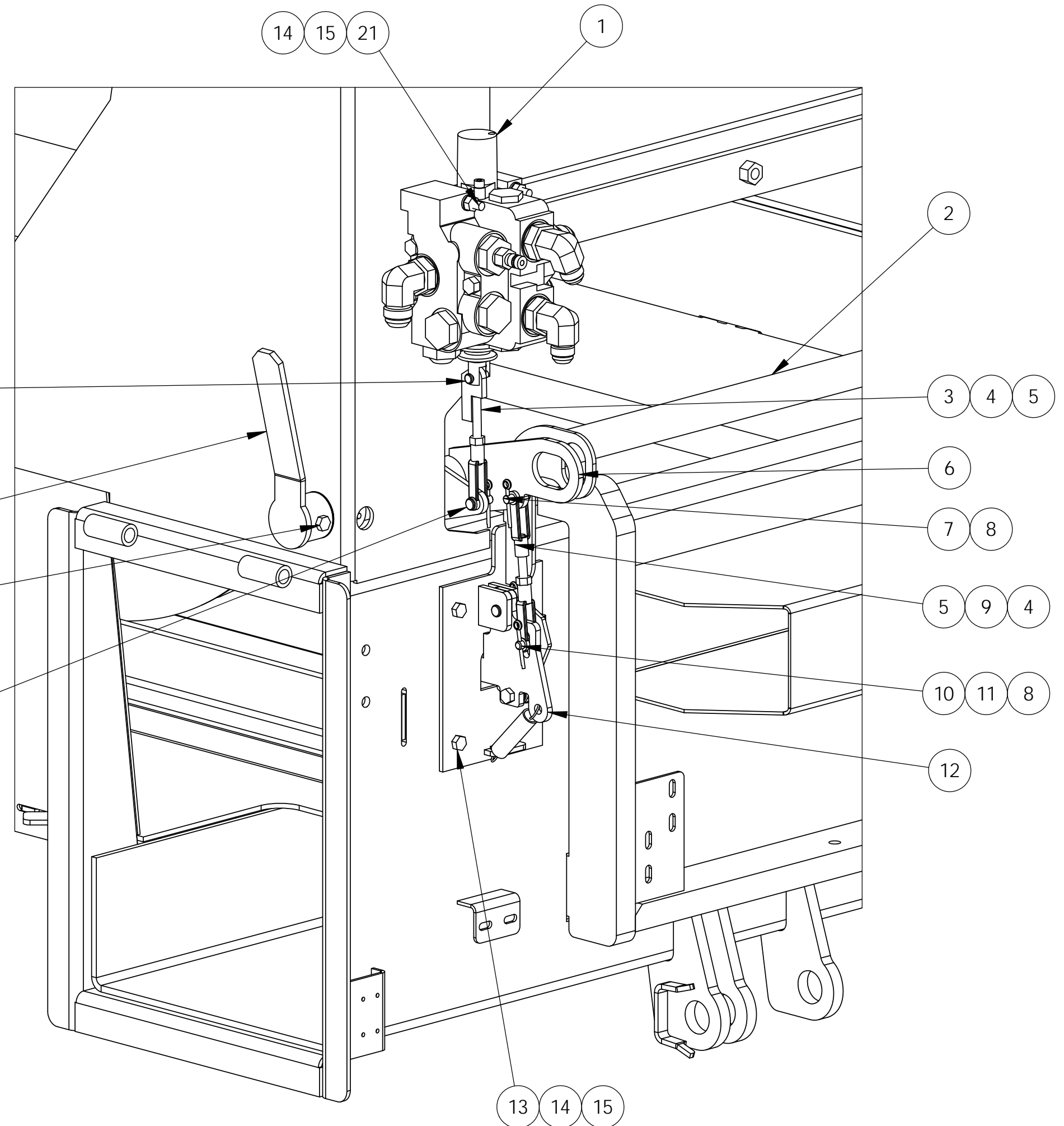
SEE NOTE A
RH & LH SIDE
OF UNIT

22 18

17 16

RH & LH SIDE
OF UNIT

8 7



14 15 21

1

2

3 4 5

6

7 8

5 9 4

10 11 8

12

13 14 15

| | | | |
|----------|----------------|------|---------------------------|
| 22 | 440-021-000 | 6 | BUSHING, MACHINE, 1.31 |
| 21 | 415-005-048 | 3 | CAPSCREW |
| 20 | 400-048-001 | 1 | PIN, COTTER, 1/16 X 1/2 |
| 19 | 400-045-010 | 1 | PIN, CLEVIS 1/4 X 7/8, |
| 18 | 00-32845-00-AB | 2 | HANDLE WLD |
| 17 | 445-005-002 | 4 | NUT, LOCK |
| 16 | 415-005-036 | 4 | CAPSCREW |
| 15 | 445-005-001 | 7 | NUT, |
| 14 | 470-031-000 | 7 | WASHER, LOCK |
| 13 | 415-005-016 | 4 | CAPSCREW |
| 12 | 00-33621-00-AB | 1 | LINKAGE ASSY, PACK, TC |
| 11 | 485-005-002 | 1 | WASHER, STD FLAT |
| 10 | 400-045-009 | 1 | PIN, CLEVIS, 5/16 X 1 1/4 |
| 9 | 00-32851-00-OA | 1 | ROD, LINKAGE THREADED |
| 8 | 400-047-000 | 3 | PIN, COTTER |
| 7 | 400-045-008 | 2 | PIN, CLEVIS |
| 6 | 00-33940-00-AB | 1 | LINKAGE WLD, VALVE, TC |
| 5 | 342-002-020 | 3 | YOKE, CLEVIS, 5/16-24 |
| 4 | 445-005-003 | 2 | NUT |
| 3 | 00-32853-00-AA | 1 | LINKAGE WLD |
| 2 | 00-32841-01-OA | 1 | TUBE, VALVE HANDLE, TC |
| 1 | 00-32814-00-AB | 1 | VALVE ASSY, FRONT, TOMCAT |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

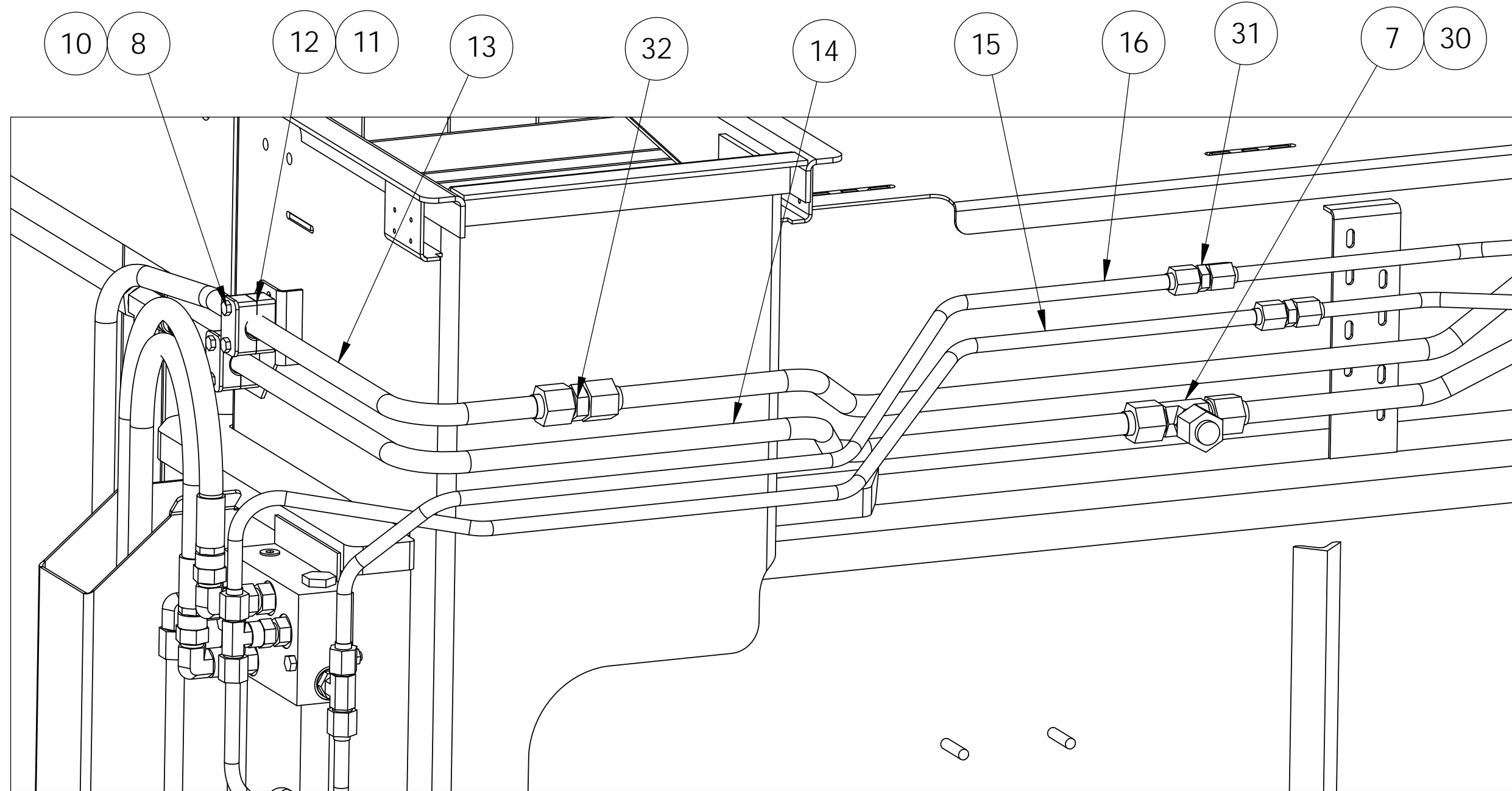
| SYM | ECN NUMBER | BY | DATE |
|-----|------------|-----|----------|
| 1 | ECN 02968 | DAS | 07/27/05 |
| 2 | ECN 05237 | DAS | 06/22/12 |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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CEDAR FALLS, IOWA

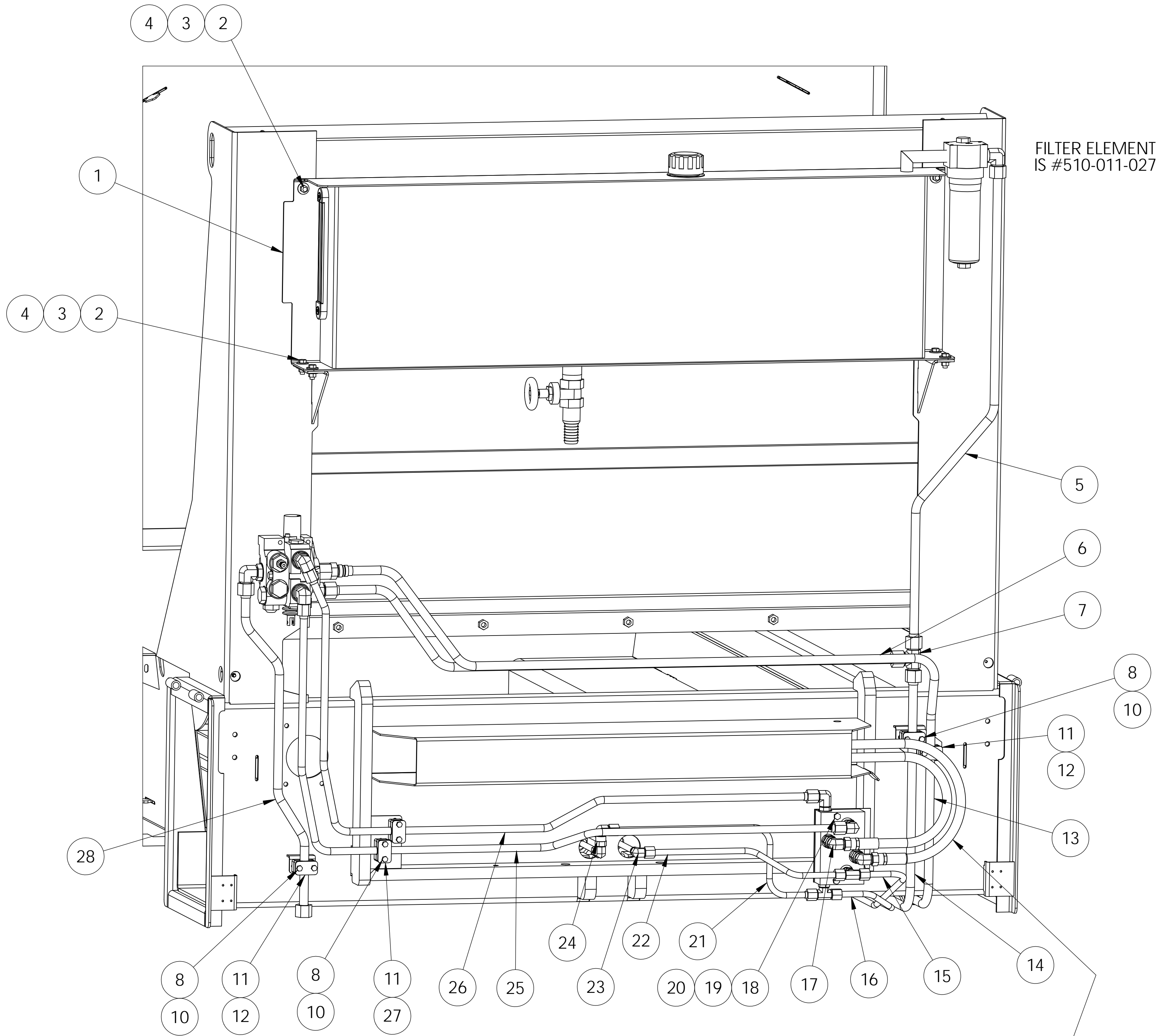
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DESCRIPTION
VALVE INSTALLATION, FRONT, TC

| | | | | | |
|----------|----------------------|-------|----------|-------------|----------------|
| DRAWN BY | DAS | SCALE | 1:4 | DRAWING NO. | 00-33620-00-AC |
| CHK'D | ECN RELEASE 02488 | DATE | 01/13/04 | | |



BOTTOM LEFT VIEW
SCALE 1:4



| | | | |
|----------|----------------|-------|----------------------------|
| 32 | 843-012-000 | 1 | UNION, JIC |
| 31 | 843-008-000 | 2 | UNION, JIC |
| 30 | 855-012-000 | 1 | CAP, FEMALE JIC |
| 29 | | 1 | |
| 28 | 00-32906-01-AA | 1 | TUBE ASSY, PRESSURE, TC |
| 27 | 432-003-016 | 2 | CLAMP SET, HOSE, 16MM |
| 26 | 00-32877-00-AB | 1 | TUBE ASSY, PACK |
| 25 | 00-32878-00-AB | 1 | TUBE ASSY, PACK |
| 24 | 848-008-000 | 1 | ELBOW, SWIVEL NUT |
| 23 | 850-008-000 | 2 | ELBOW, JIC, 90 DEGREE |
| 22 | 00-32880-00-AA | 1 | TUBE ASSY, PUSHOUT |
| 21 | 00-32879-00-AA | 1 | TUBE ASSY, PUSHOUT |
| 20 | 445-005-001 | 2 | NUT, |
| 19 | 470-031-000 | 2 | WASHER, LOCK |
| 18 | 415-005-040 | 2 | CAPSCREW |
| 17 | 00-34238-00-AB | 1 | VALVE ASSY, P.O. CHECK, TC |
| 16 | 00-33616-00-AB | 1 | TUBE ASSY, EJECT |
| 15 | 00-33615-00-AB | 1 | TUBE ASSY, EJECT |
| 14 | 00-32871-00-AA | 1 | TUBE ASSY, RETURN |
| 13 | 00-32866-00-AB | 1 | TUBE ASSY, PRESSURE |
| 12 | 432-003-019 | 3 | CLAMP SET, HOSE, 19MM |
| 11 | 432-003-002 | 5 | COVER PLATE, CLAMP, 3 SIZE |
| 10 | 445-004-006 | 10 | NUT, FLANGE LOCK |
| 9 | | 1 | |
| 8 | 415-004-032 | 10 | CAPSCREW |
| 7 | 806-012-000 | 2 | UNION TEE |
| 6 | 00-32867-00-AA | 1 | TUBE ASSY, RETURN |
| 5 | 00-32918-01-AA | 1 | TUBE ASSY, RETURN |
| 4 | 445-006-002 | 6 | NUT, LOCK |
| 3 | 485-006-003 | 12 | WASHER, STD FLAT |
| 2 | 415-006-016 | 6 | CAPSCREW |
| 1 | 00-30705-01-AB | 1 | TANK ASSY, TC |
| ITEM NO. | PART NUMBER | /QTY. | DESCRIPTION |

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|-----|----------|
| 1 | ECN 02792 | DAS | 02/02/05 |
| 2 | ECN 02833 | DAS | 03/14/05 |
| 3 | ECN 02968 | DAS | 08/08/05 |
| 4 | ECN 04729 | DAS | 12/09/10 |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

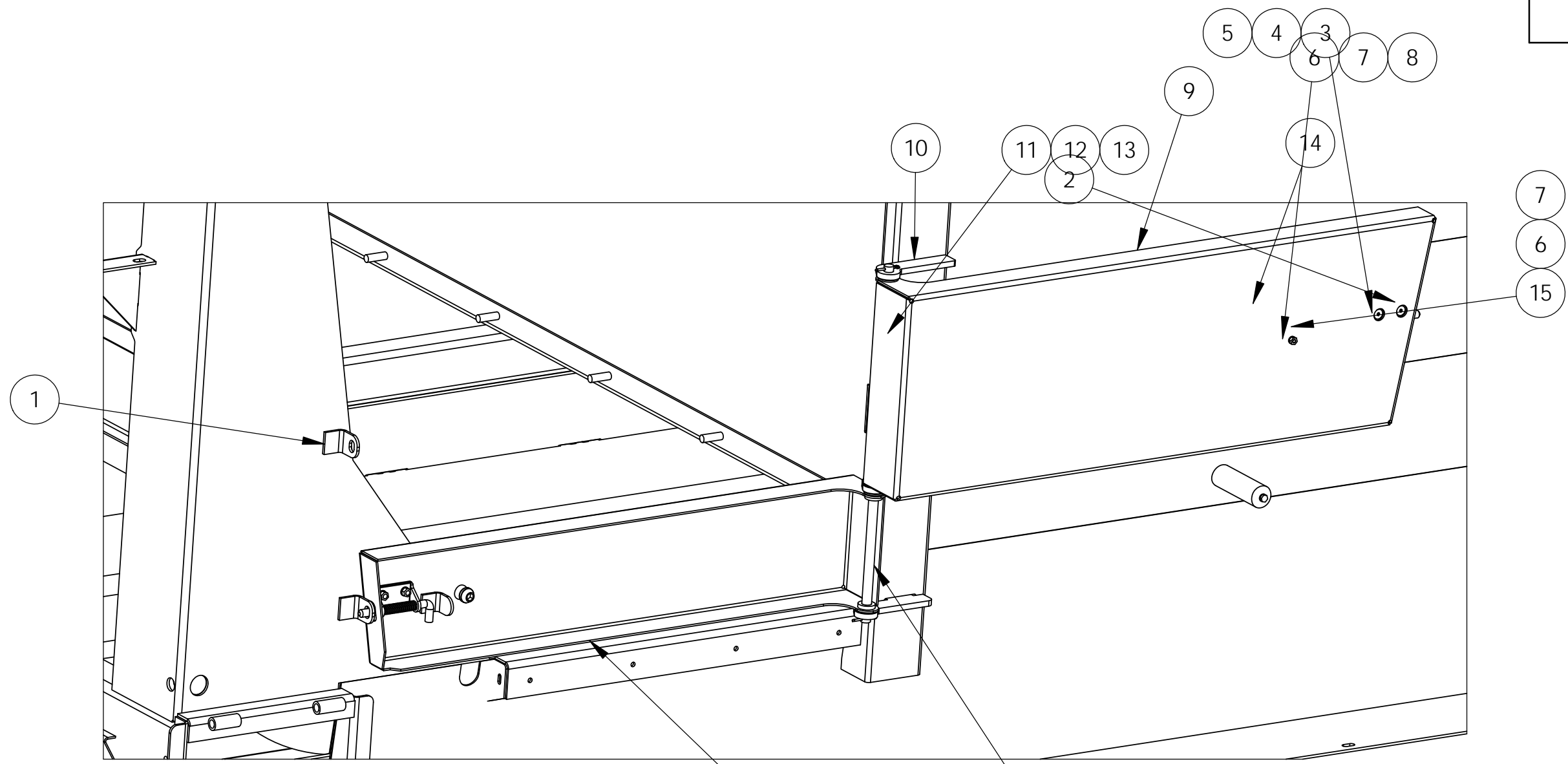
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DESCRIPTION
HYD ASSY, UPPER BUSSLE, TC

| | | | | | |
|----------|-------------------|-------|----------|-------------|----------------|
| DRAWN BY | DAS | SCALE | 1:6 | DRAWING NO. | 00-34239-00-AD |
| CHK'D | ECN RELEASE 02682 | DATE | 10/26/04 | | |



RESTOCK SINGLE DOOR HINGE PIN AS #00-31344-00-OA

USE #00-33582-01-AB FOR LOWER DOOR INSTALLATION

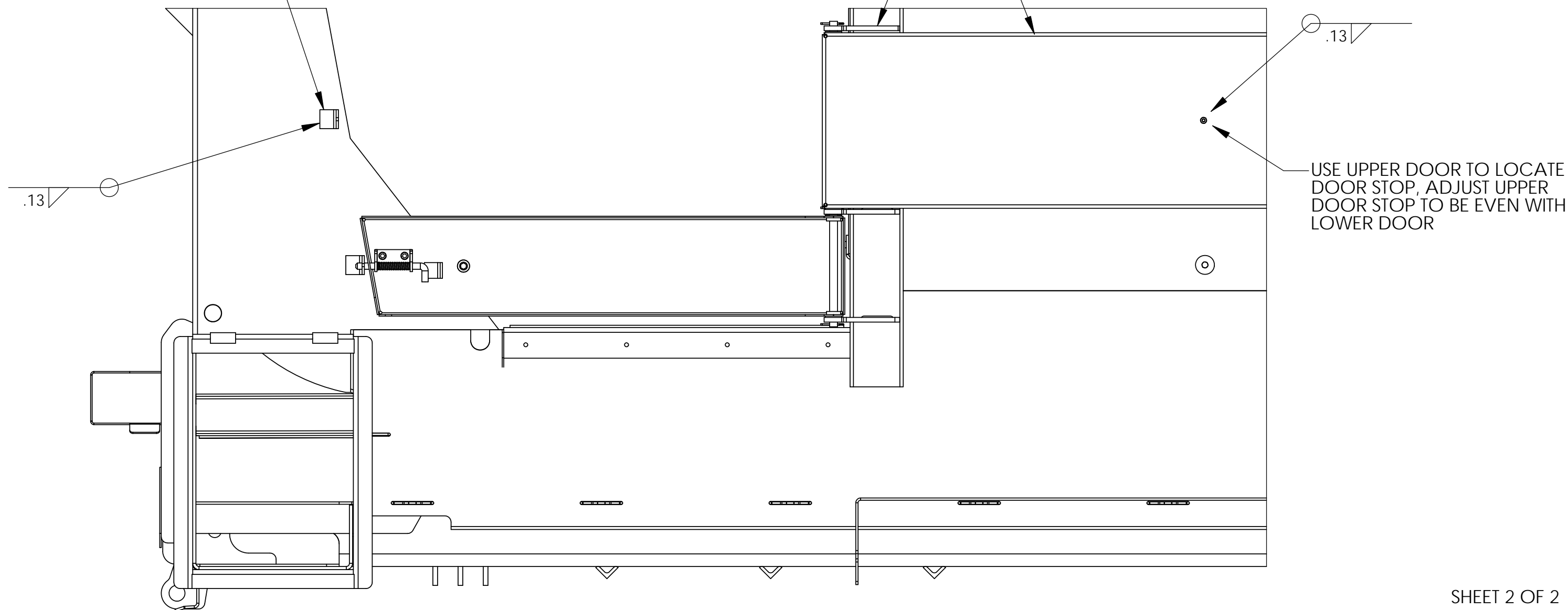
| | | | |
|----------|----------------|------|----------------------------|
| 15 | 425-018-001 | 1 | BUMPER KIT |
| 14 | 00-33282-00-AA | 1 | STOP ASSY, ADJ. DOOR, TC |
| 13 | 485-010-018 | 2 | WASHER,SAE FLAT |
| 12 | 400-047-000 | 1 | PIN, COTTER |
| 11 | 00-30948-00-OA | 1 | HINGE PIN |
| 10 | 00-30909-00-OA | 1 | PLATE, HINGE, BODY |
| 9 | 00-33581-03-AB | 1 | DOOR WLD, LH UPPER, TC |
| 8 | 445-004-001 | 1 | NUT,STD |
| 7 | 485-008-004 | 2 | WASHER,LOCK |
| 6 | 415-004-016 | 2 | CAPSCREW |
| 5 | 470-031-000 | 2 | WASHER, LOCK |
| 4 | 445-005-001 | 2 | NUT, |
| 3 | 424-005-012 | 2 | CAPSCREW, FLAT SOCKET HEAD |
| 2 | 425-008-002 | 1 | LATCH,HEAVY DUTY,RH |
| 1 | 00-33592-00-OA | 1 | TAB, DOOR LATCH, TC |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

| | | | |
|---|----------------------|--|-----------------------|
| WAYNE | | ENGINEERING CORPORATION CEDAR FALLS, IOWA | |
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| DESCRIPTION DOOR INSTALL, LH UPPER 6YD, TC | | | |
| DRAWN BY DAS | | SCALE 1:8 | DRAWING NO. |
| CHK'D | ECN RELEASE 02502 | DATE 12/16/03 | 00-33582-02-AB |

DOOR TAB SHOULD OVERLAP
THE TIP OF THE LATCH BY 0.50

UPPER DOOR NEEDS TO BE
EVEN WITH THE LOWER DOOR



TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
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| 5 | ECN | | |
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| 7 | ECN | | |
| 8 | ECN | | |

WAYNE

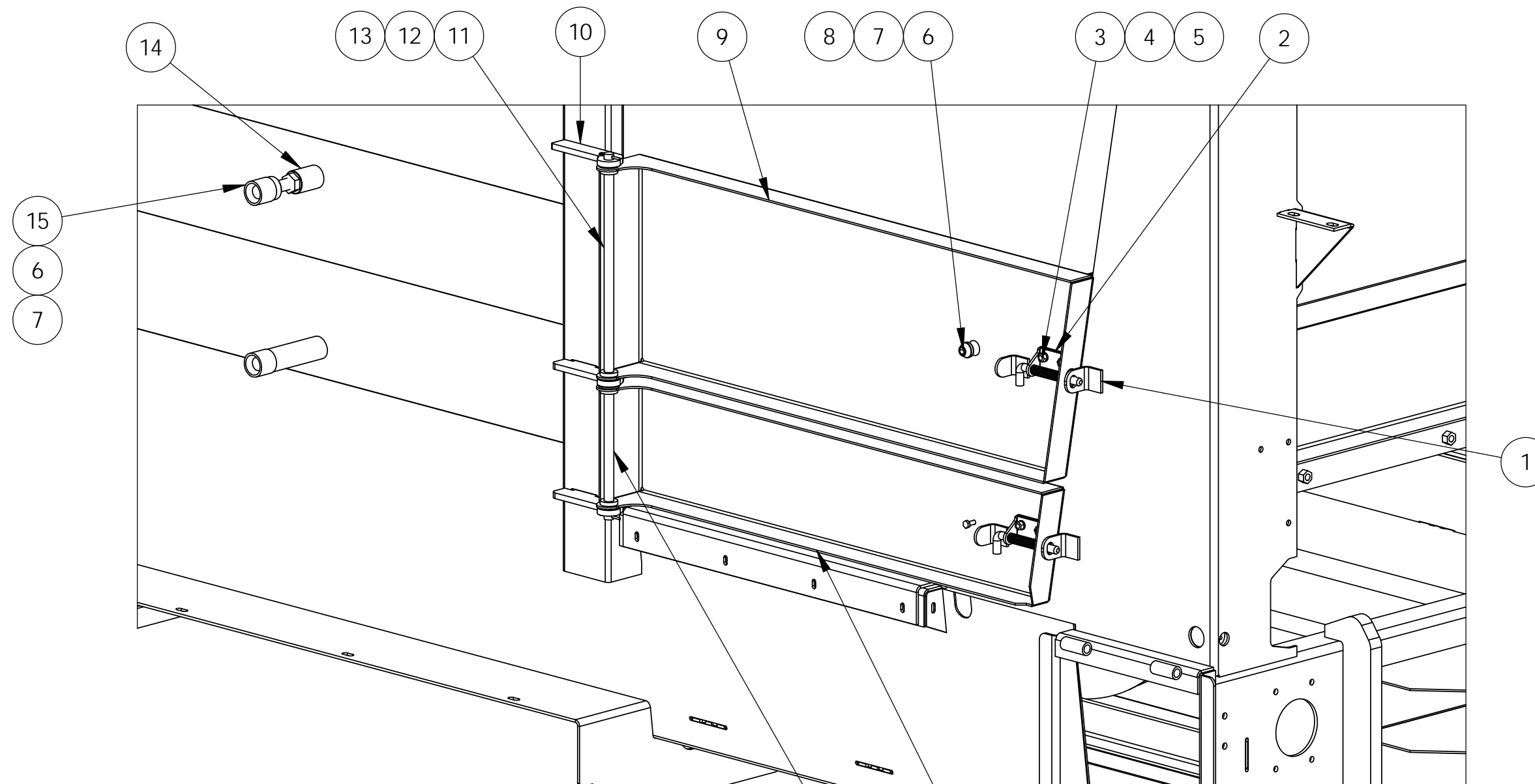
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CEDAR FALLS, IOWA

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DESCRIPTION
DOOR INSTALL, LH UPPER 6YD, TC

| | | | |
|----------|----------------------|-------|------------|
| DRAWN BY | DAS | SCALE | 1:8 |
| CHK'D | ECN RELEASE 02502 | DATE | 11/15/2012 |

DRAWING NO.
00-33582-02-AB



| | | | |
|----------|----------------|------------------|----------------------------|
| 15 | 425-018-001 | 1 | BUMPER KIT |
| 14 | 00-33282-00-AA | 1 | STOP ASSY, ADJ. DOOR, TC |
| 13 | 485-010-018 | 2 | WASHER,SAE FLAT |
| 12 | 400-047-000 | 1 | PIN, COTTER |
| 11 | 00-30948-00-OA | 1 | HINGE PIN |
| 10 | 00-30909-00-OA | 1 | PLATE, HINGE, BODY |
| 9 | 00-33581-04-AB | 1 | DOOR WLD, RH UPPER, TC |
| 8 | 445-004-001 | 1 | NUT,STD |
| 7 | 485-008-004 | 2 | WASHER,LOCK |
| 6 | 415-004-016 | 2 | CAPSCREW |
| 5 | 470-031-000 | 2 | WASHER, LOCK |
| 4 | 445-005-001 | 2 | NUT, |
| 3 | 424-005-012 | 2 | CAPSCREW, FLAT SOCKET HEAD |
| 2 | 425-008-001 | 1 | LATCH, HEAVY DUTY,LH |
| 1 | 00-33592-00-OA | 1 | TAB, DOOR LATCH, TC |
| ITEM NO. | PART NUMBER | Default/ QTY. | DESCRIPTION |

USE 00-33582-01-AB FOR LOWER DOOR INSTALLATION

RESTOCK SINGLE DOOR HINGE PIN AS #00-31344-00-OA

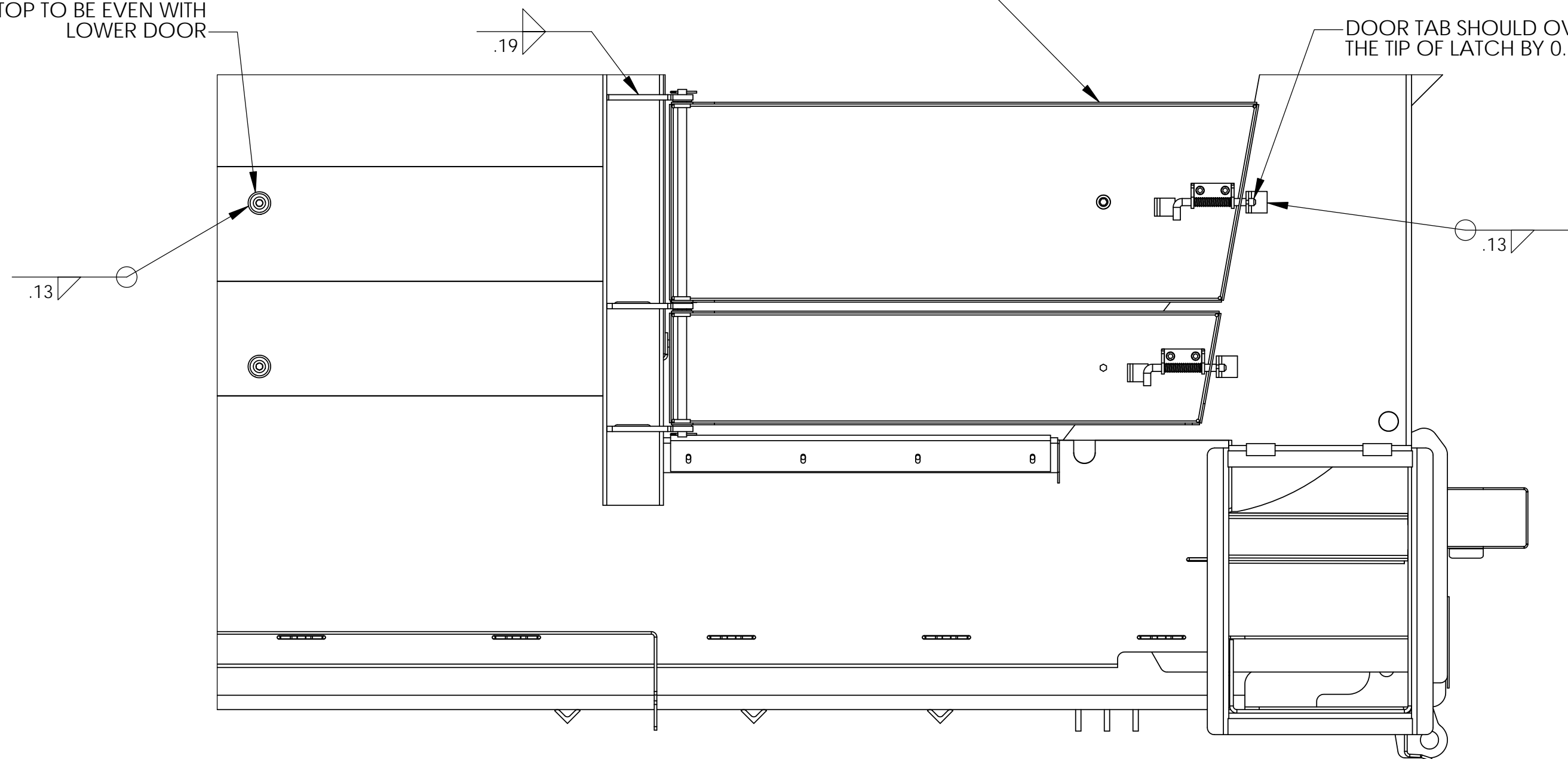
| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
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| 8 | ECN | | |

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|---|----------------------|--|-----------------------|
| WAYNE | | ENGINEERING CORPORATION CEDAR FALLS, IOWA | |
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| DESCRIPTION DOOR INSTALL, RH UPPER 6YD, TC | | | |
| DRAWN BY DAS | | SCALE 1:8 | DRAWING NO. |
| CHK'D | ECN RELEASE 02502 | DATE 06/02/04 | 00-33582-03-AB |

USE UPPER DOOR TO LOCATE
DOOR STOP, ADJUST UPPER
DOOR STOP TO BE EVEN WITH
LOWER DOOR

UPPER DOOR NEEDS TO BE LEVEL WITH LOWER DOOR

DOOR TAB SHOULD OVERLAP
THE TIP OF LATCH BY 0.50



TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

WAYNE ENGINEERING CORPORATION
CEDAR FALLS, IOWA

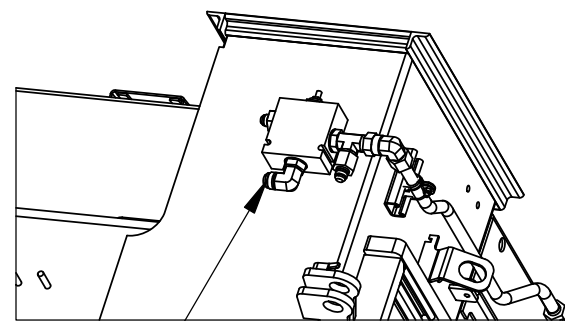
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| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
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| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

DESCRIPTION
DOOR INSTALL, RH UPPER 6YD, TC

| | | |
|------------------------|----------------------|--------------------------------------|
| DRAWN BY DAS | SCALE 1:8 | DRAWING NO. 00-33582-03-AB |
| CHK'D | ECN RELEASE 02502 | DATE 06/02/04 |

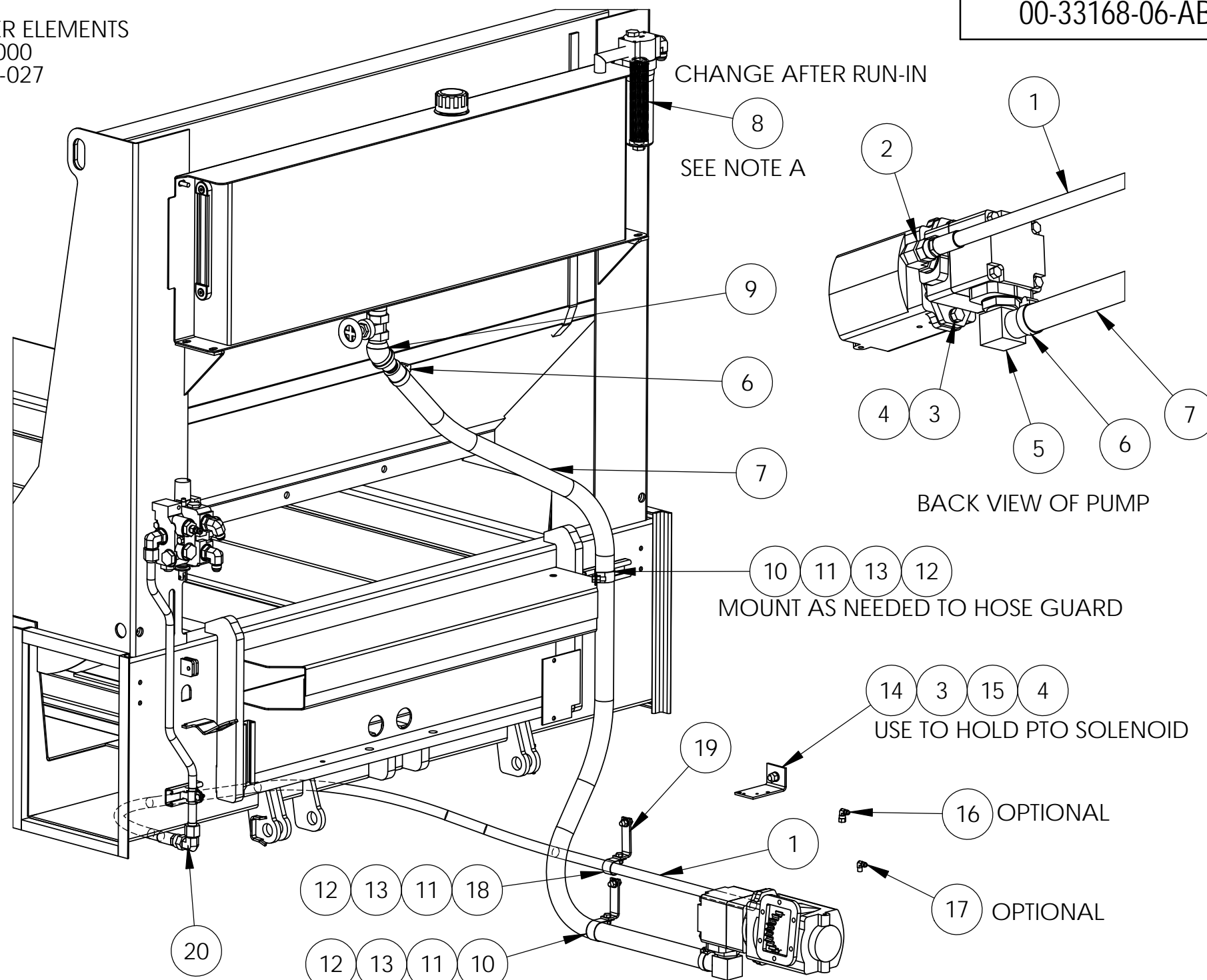
NOTE A: FOR REPLACEMENT FILTER ELEMENTS
 SPIN-ON STYLE FILTER - #510-006-000
 CANISTER STYLE FILTER - #510-011-027



IF UNIT IS EQUIPPED WITH A CART DUMPER
 CONNECT PRESSURE HOSE HERE.

NOTES:

- 1) USE INSTALLATION INSTUCTIONS IN THE PTO KIT.
- 2) USE ITEMS 10 THRU 13, 18, 19 AND TIE STRAPS TO SECURE HOSES TO TRUCK FRAME. KEEP HOSE AWAY FROM SHARP EDGES AND EXHUAST SYSTEMS.
- 3) POSITION SUCTION AND PRESSURE HOSES SUCH THAT WHEN PACKER BODY MOVES REARWARD 10" TO UNLOAD, THE HOSES HAVE ENOUGH SLACK.
- 4) CHECK PTO FOR CORRECT PUMP ROTATION, CLOCKWISE ROTATION IS STANDARD. IF COUNTER CLOCKWISE IS NEEDED, CONSULT WAYNE ENGINEERING SERVICE DEPT. FOR INSTRUCTIONS.



| | | | |
|----------|----------------|------|-------------------------------|
| 22 | 00-33168-06-DB | 1 | DRAWING OF 00-33168-06-AB |
| 21 | 430-004-000 | 10 | STRAP, TIE |
| 20 | 850-012-000 | 1 | UNION, 90 DEG, JIC |
| 19 | 00-32567-00-OA | 2 | ANGLE, HOSE MOUNT |
| 18 | 400-015-020 | 1 | CLAMP, HOSE SUPPORT |
| 17 | 802-002-004 | 1 | ELBOW, MALE JIC, MALE PIPE |
| 16 | 848-004-000 | 1 | ELBOW, JIC SWIVEL NUT |
| 15 | 445-008-003 | 1 | NUT,STD |
| 14 | 00-27633-00-OA | 1 | BRKT, PTO SOLENOID, |
| 13 | 485-006-001 | 5 | WASHER,SAE FLAT |
| 12 | 445-006-002 | 5 | NUT,LOCK |
| 11 | 415-006-016 | 5 | CAPSCREW |
| 10 | 400-015-028 | 2 | CLAMP, HOSE SUPPORT |
| 9 | 750-020-000 | 1 | ELBOW, STREET |
| 8 | 510-011-027 | | ELEMENT, FILTER MED PRESS, TC |
| 7 | 06-52020-00-R | 11 | HOSE, HYD 1 1/4 SUCTION |
| 6 | 430-020-001 | 2 | CLAMP, HOSE |
| 5 | 520-324-020 | 1 | ADAPTER,90 DEG, |
| 4 | 485-008-002 | 3 | WASHER,LOCK |
| 3 | 415-008-020 | 3 | CAPSCREW |
| 2 | 842-012-016 | 1 | ELBOW, MALE ORING, JIC |
| 1 | 00-31038-03-AA | 1 | HOSE, PRESSURE, TC |
| ITEM NO. | PART NO. | QTY. | DESCRIPTION |

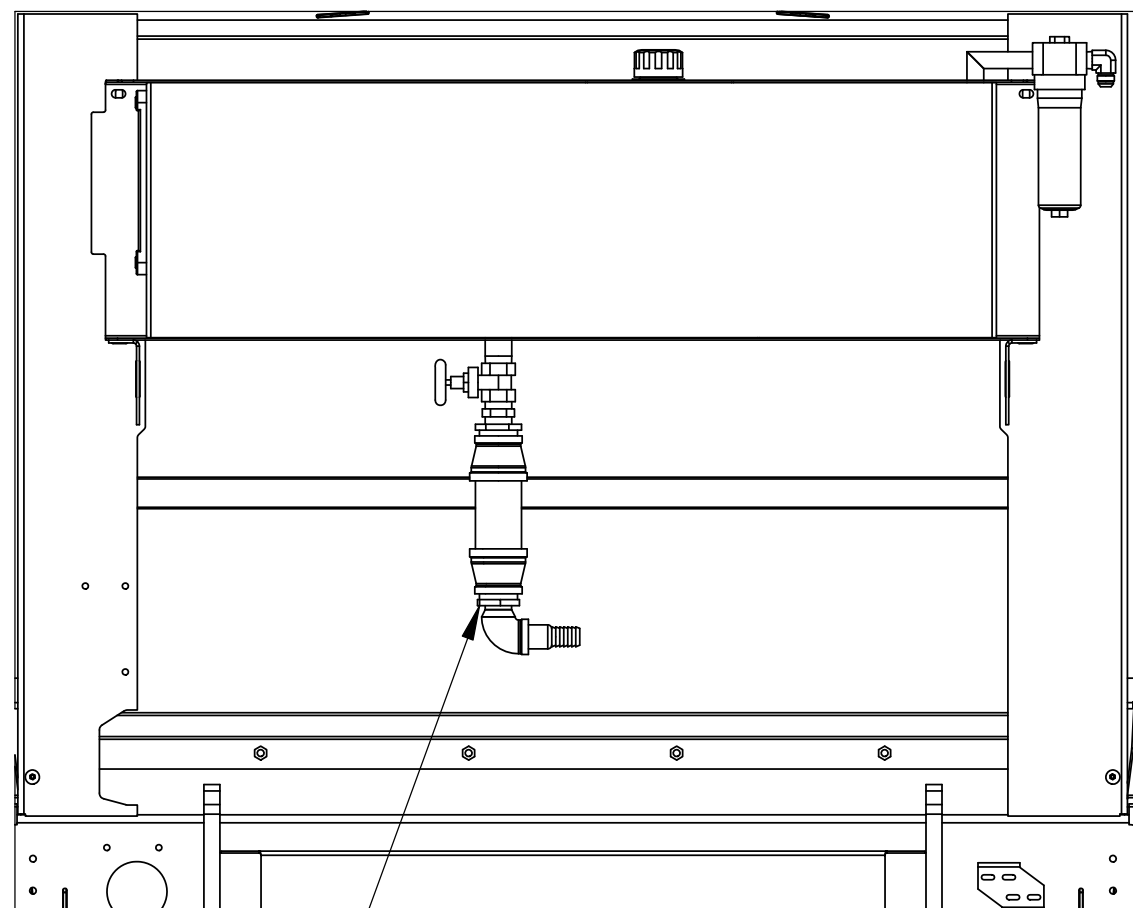
TOLERANCES
 (EXCEPT AS NOTED)
 3 PLACE DECIMALS ± .005
 2 PLACE DECIMALS ± .06
 ANGULAR ± 1°
 DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|-----|----------|
| 1 | ECN 02940 | DAS | 06/22/05 |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

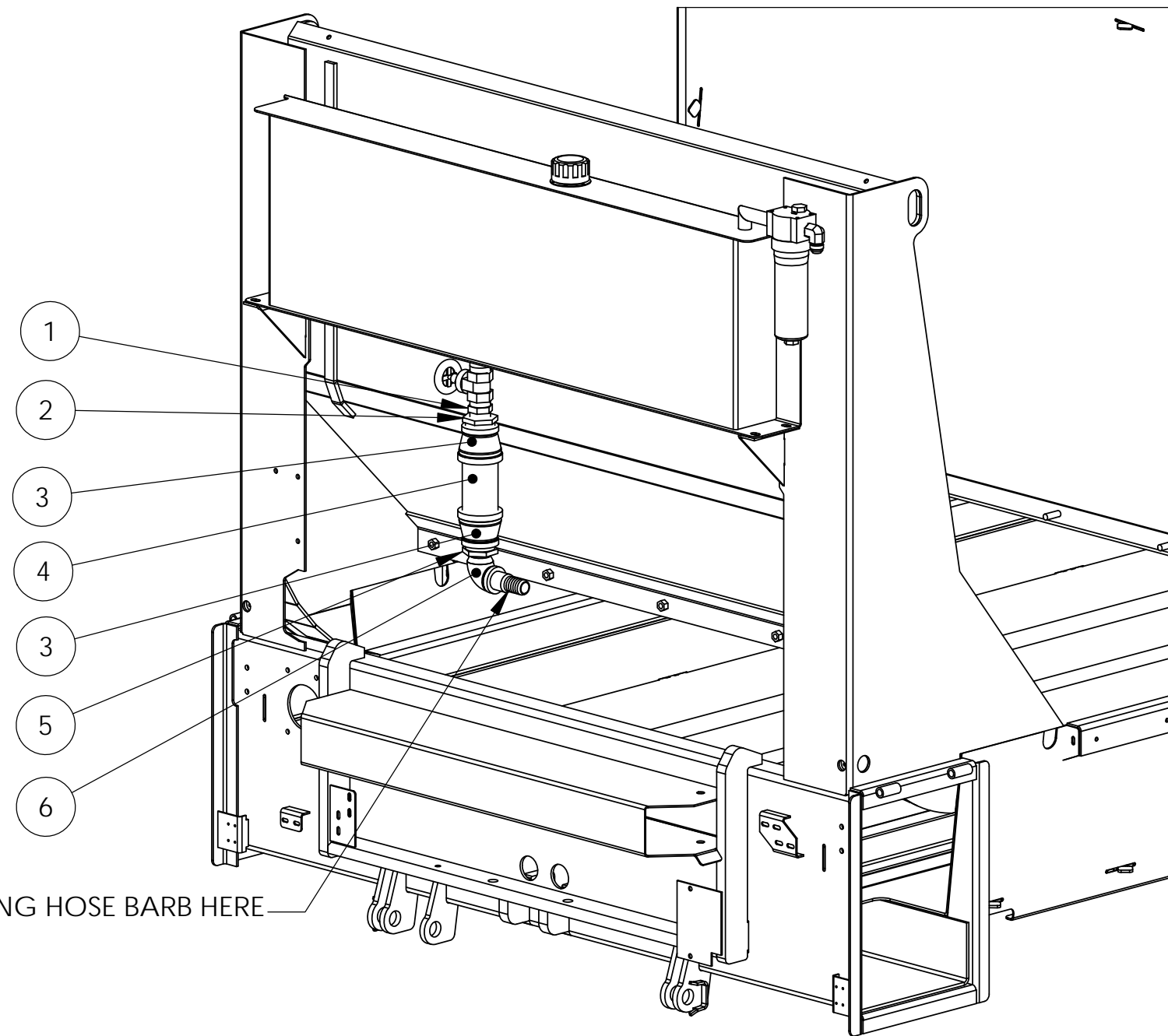
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| DESCRIPTION | | | |
|------------------------|-------------------|-------|--------------------------------------|
| CHASSIS HYD,MANUAL ,TC | | | |
| DRAWN BY | DAS | SCALE | 1:12 |
| CHK'D | ECN RELEASE 02111 | DATE | 09/18/03 |
| | | | DRAWING NO. 00-33168-06-AB |



STRAINER GOES ON THIS SIDE OF ASSEMBLY



ATTACH EXISTING HOSE BARB HERE

| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |
|----------|-------------|------|---------------------|
| 6 | 755-017-000 | 1 | ELBOW, STREET 1 1/4 |
| 5 | 510-014-001 | 1 | STRAINER, SUCTION |
| 4 | 760-040-096 | 1 | NIPPLE, PIPE |
| 3 | 730-040-032 | 2 | COUPLING,REDUCER |
| 2 | 715-032-020 | 1 | BUSHING, REDUCER |
| 1 | 760-020-000 | 1 | NIPPLE, CLOSE 1 1/4 |

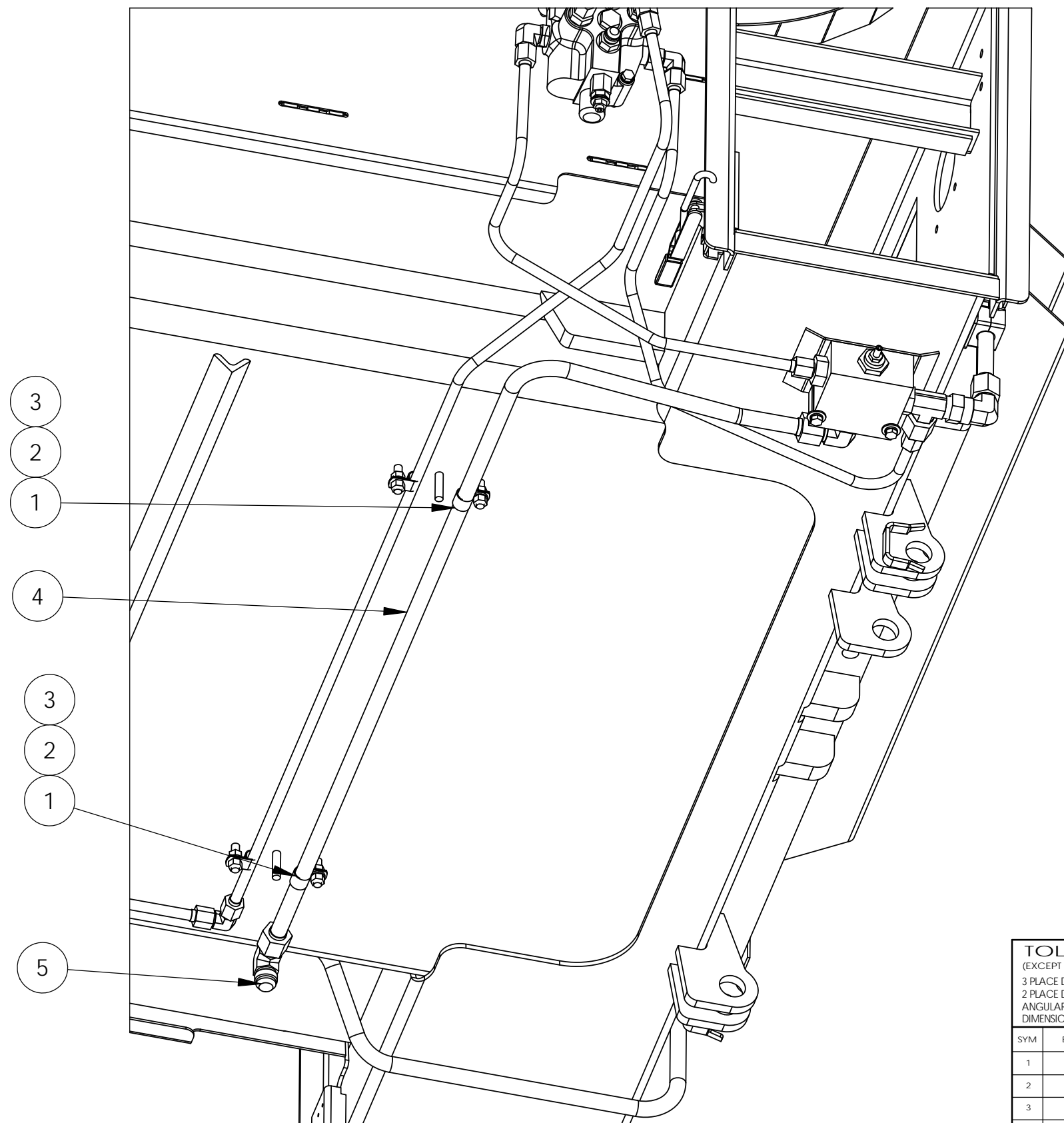
TOLERANCES
 (EXCEPT AS NOTED)
 3 PLACE DECIMALS ± .005
 2 PLACE DECIMALS ± .06
 ANGULAR ± 1°
 DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
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| | | | |
|----------------------------|-------------|----------|----------------|
| DESCRIPTION | | | |
| STRAINER ASSY, SUCTION, TC | | | |
| DRAWN BY | | SCALE | DRAWING NO. |
| DAS | | 1:12 | 00-34915-00-AB |
| CHK'D | ECN RELEASE | DATE | |
| | 03126 | 03/15/06 | |



| 5 | 850-012-000 | 1 | UNION, 90 DEG, JIC |
|----------|----------------|------|----------------------|
| 4 | 00-34644-04-AA | 1 | TUBE ASSY, INLET, TC |
| 3 | 440-029-000 | 2 | WASHER, LOCK |
| 2 | 445-006-001 | 4 | NUT, STD |
| 1 | 400-015-012 | 2 | CLAMP, HOSE SUPPORT |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

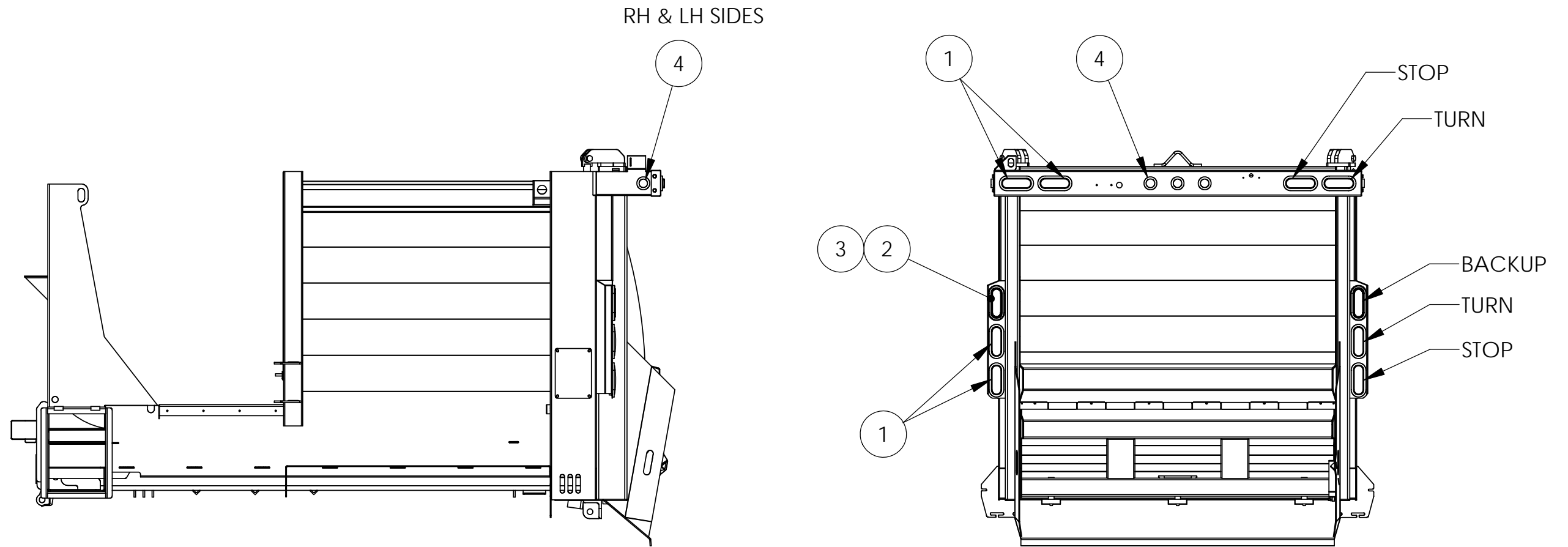
TOLERANCES
 (EXCEPT AS NOTED)
 3 PLACE DECIMALS ± .005
 2 PLACE DECIMALS ± .06
 ANGULAR ± 1°
 DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
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| | | | |
|-------------|----------------------|---------------------|----------------|
| DESCRIPTION | | TUBE KIT, INLET, TC | |
| DRAWN BY | DAS | SCALE | 1:6 |
| CHK'D | ECN RELEASE 03324 | DATE | 12/14/06 |
| DRAWING NO. | | | 00-34645-04-AB |



| | | | |
|----------|----------------|------|---------------------------|
| 5 | 00-32166-06-DB | 1 | DRAWING OF 00-32166-06-AB |
| 4 | 332-130-001 | 5 | LED LAMP, RED MARKER |
| 3 | 332-140-024 | 2 | LED LAMP, OVAL BACKUP, TC |
| 2 | 332-040-022 | 2 | GROMMET, OVAL |
| 1 | 332-140-020 | 8 | LED LIGHT KIT, OVAL, RED |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

TOLERANCES
 (EXCEPT AS NOTED)
 3 PLACE DECIMALS ± .005
 2 PLACE DECIMALS ± .06
 ANGULAR ± 1°
 DIMENSIONS IN () ARE REFERENCE

WAYNE

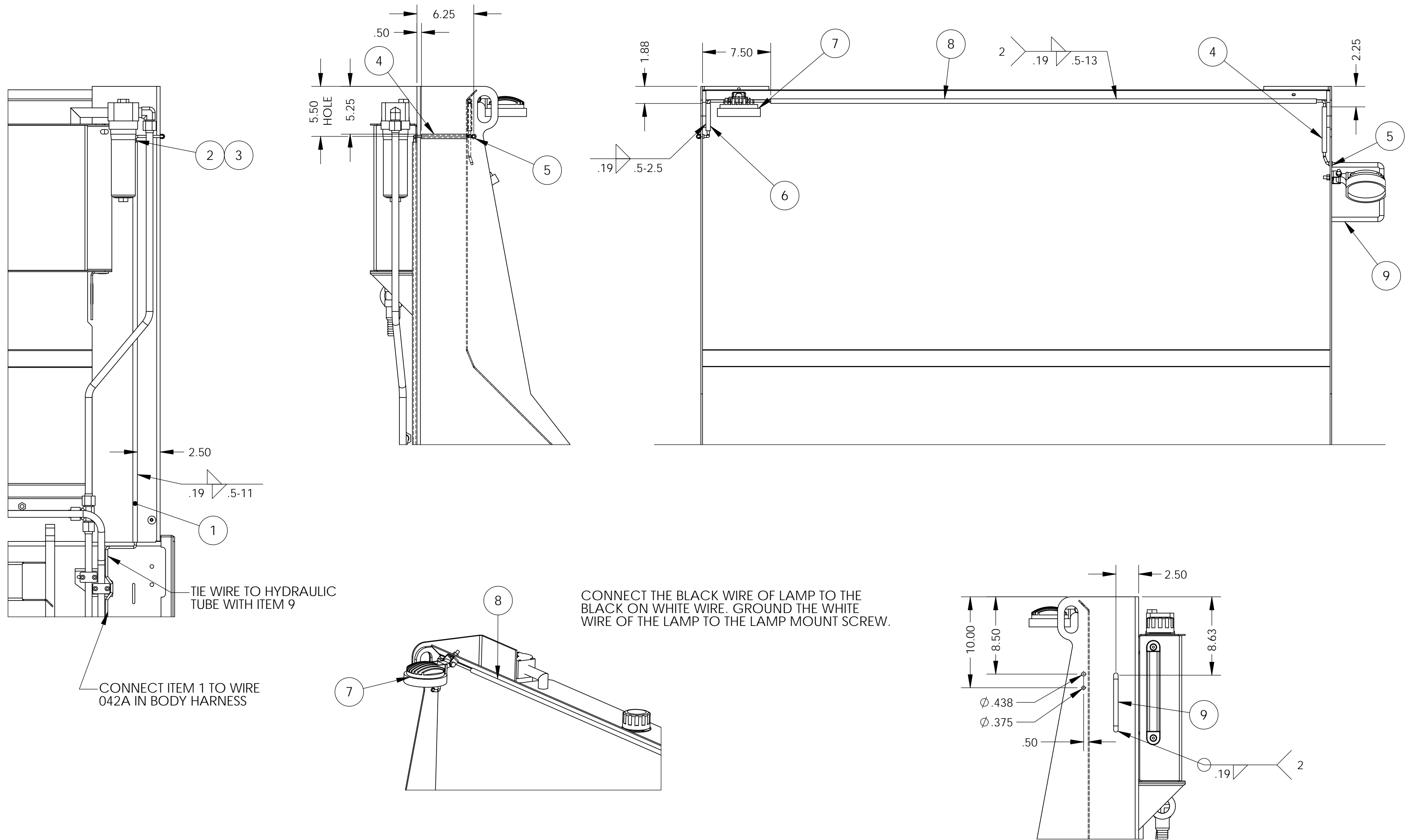
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 CEDAR FALLS, IOWA

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| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

DESCRIPTION
 LIGHT KIT, LED, TC

| | | |
|------------------------|-----------------|--------------------------------------|
| DRAWN BY DGI | SCALE 1:26 | DRAWING NO. 00-32166-06-AB |
| CHK'D | DATE 12/8/10 | |
| ECN RELEASE 04728 | | |



| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |
|----------|----------------|------|-----------------------------|
| 12 | 310-015-003 | 3 | CONNECTOR, BUTT, HEAT SEAL |
| 11 | 430-003-000 | 4 | STRAP, TIE |
| 10 | 310-011-002 | 2 | TERMINAL, RING |
| 9 | 00-31294-00-OA | 1 | GUARD, WORK LIGHT, |
| 8 | 00-25210-60-OA | 1 | TUBE |
| 7 | 332-038-005 | 2 | LIGHT, WORK LED TRUCK LITE, |
| 6 | 00-25210-03-OA | 1 | TUBE |
| 5 | 303-004-005 | 2 | BUSHING, SNAP, .44 |
| 4 | 00-25210-05-OA | 2 | TUBE |
| 3 | 07-52004-99-R | 13 | LOOM, EXPANDO, 1/4 |
| 2 | 03-45116-17-R | 13 | WIRE, BLACK ON WHITE |
| 1 | 00-34445-00-OA | 1 | CONDUIT,, |

CONNECT THE BLACK WIRE OF LAMP TO THE BLACK ON WHITE WIRE. GROUND THE WHITE WIRE OF THE LAMP TO THE LAMP MOUNT SCREW.

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

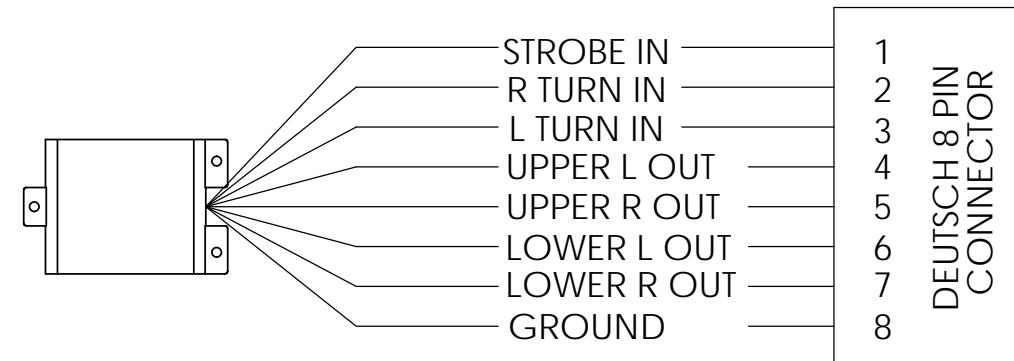
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DESCRIPTION
LIGHT KIT, LED WORK HOPPER & TIPPER, TC

| | | |
|------------------------|-----------------------------|--------------------------------------|
| DRAWN BY DAS | SCALE 1:8 | DRAWING NO. 00-34347-06-AC |
| CHK'D | ECN RELEASE 05114 | DATE 02/16/12 |

REMOVE HARNESS CONNECTORS FROM ITEM 1.
INSERT WIRES IN PINS INTO ITEM 5 AS SHOWN
BELOW. LOCK PINS WITH ITEM 7.



LOCATE THE 5 PIN CONNECTOR IN THE UPPER LIGHT HARNESS. CUT THE GREEN WIRES AND CONNECT THE GREEN WIRE OF ITEM 4 TO THE CONNECTOR END OF THE 5 PIN CONNECTOR.

CUT RED WIRE OF TURN SIGNAL PIGTAIL NEAR HARNESS BRAID. CONNECT WHITE ON GREEN WIRE OF ITEM 4 TO PLUG END OF TURN SIGNAL PIGTAIL.

CONNECT BLACK WIRE OF ITEM 4 TO BACK UP ALARM GROUND WIRE.

CUT RED WIRE OF LH TURN SIGNAL PIGTAIL NEAR HARNESS BRAID. CONNECT PINK WIRE OF ITEM 4 TO PLUG END OF RED PIGTAIL WIRE

LOCATE THE 7 PIN UPPER LIGHT HARNESS CONNECTOR AND CUT THE YELLOW AND GREEN WIRES. BUTT CONNECT THE YELLOW WIRE TO LIGHT BLUE WIRE OF ITEM 4 AND GREEN WIRE TO BLACK ON GREEN WIRE FROM ITEM 4 TO THE CONNECTOR END OF THE UPPER LIGHT HARNESS. CONNECT WHITE WIRE OF ITEM 4 TO 043C OF THE CONTROL HARNESS.

LOCATE THE 5 PIN CONNECTOR IN THE UPPER LIGHT HARNESS. CUT THE YELLOW WIRES AND CONNECT THE YELLOW WIRE OF ITEM 4 TO THE CONNECTOR END OF THE 5 PIN CONNECTOR.

REPLACE STD TURN SIGNAL LAMPS WITH AMBER LAMPS IN KIT

| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |
|----------|----------------|------|-----------------------------|
| 8 | 332-140-013 | 4 | LED LAMP, MID TURN, |
| 7 | 345-005-048 | 8 | CONTACT,PIN 16-18 GA |
| 6 | 345-031-008 | 1 | WEDGE, LOCKING 8 WAY |
| 5 | 345-030-008 | 1 | RECEPTACLE, 8 WAY, |
| 4 | 00-39024-01-AC | 1 | HARNESS, ALT FLASH TURN, TC |
| 3 | 445-003-001 | 3 | NUT,STD |
| 2 | 461-003-016 | 3 | SCREW,MACHINE |
| 1 | 332-003-007 | 1 | FLASHER,ALT FLASH |

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|-----|----------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN 04988 | DAS | 09/21/11 |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

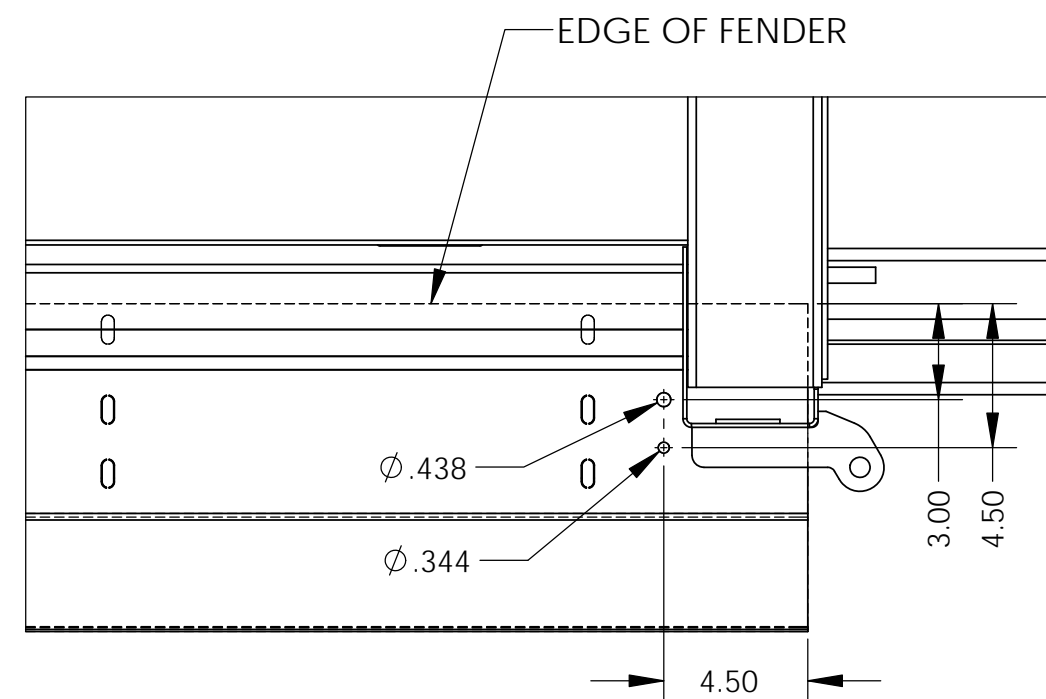
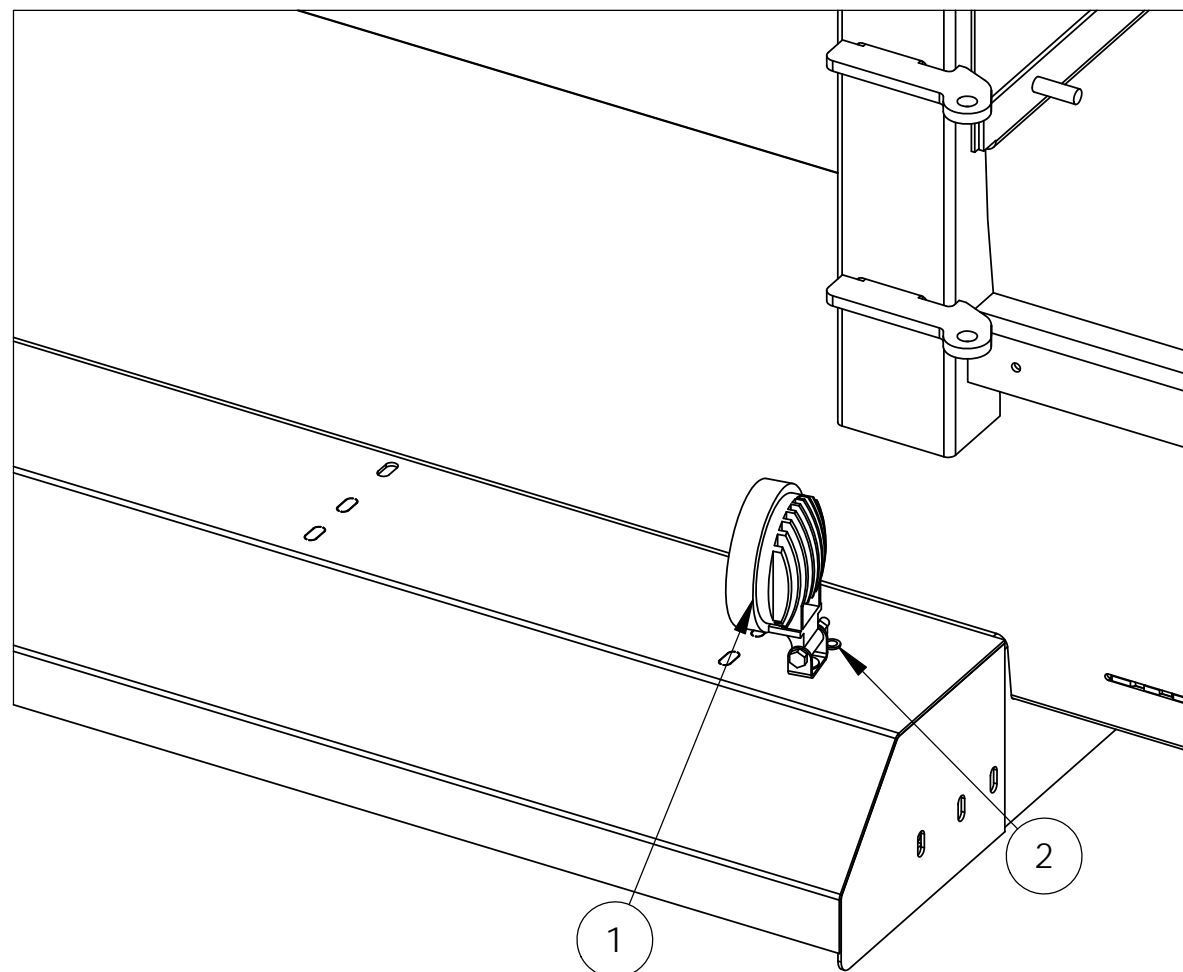
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DESCRIPTION: LIGHT KIT, ALT FLASH TURN, TC

DRAWN BY: DAS SCALE: 1:8 DRAWING NO.:

CHK'D: ECN RELEASE: 04645 DATE: 09/21/10 **00-34405-07-AB**



| | | | |
|----------|----------------|------|-----------------------------|
| 14 | 430-003-000 | 20 | STRAP, TIE |
| 13 | 07-52005-90-R | 35 | LOOM, CORRUGATED .35 ID |
| 12 | 03-45116-11-R | 10 | WIRE, RED 16 GA |
| 11 | 03-45116-00-R | 25 | WIRE, WHITE 16 GA |
| 10 | 330-006-021 | 1 | FUSE, SPADE, ATC-10 |
| 9 | 330-011-001 | 1 | FUSE HOLDER,ATC WATERPROOF |
| 8 | 00-32855-00-OB | 1 | HARNESS,RELAY |
| 7 | 310-011-002 | 3 | TERMINAL, RING |
| 6 | 310-015-003 | 3 | CONNECTOR, BUTT, HEAT SEAL |
| 5 | 00-61317-00-OA | 1 | CONDUIT, FENDER FLOOD, TC |
| 4 | 00-33577-00-OA | 1 | CONDUIT |
| 3 | | 1 | |
| 2 | 303-004-005 | 2 | BUSHING, SNAP, .44 |
| 1 | 332-038-005 | 2 | LIGHT, WORK LED TRUCK LITE, |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

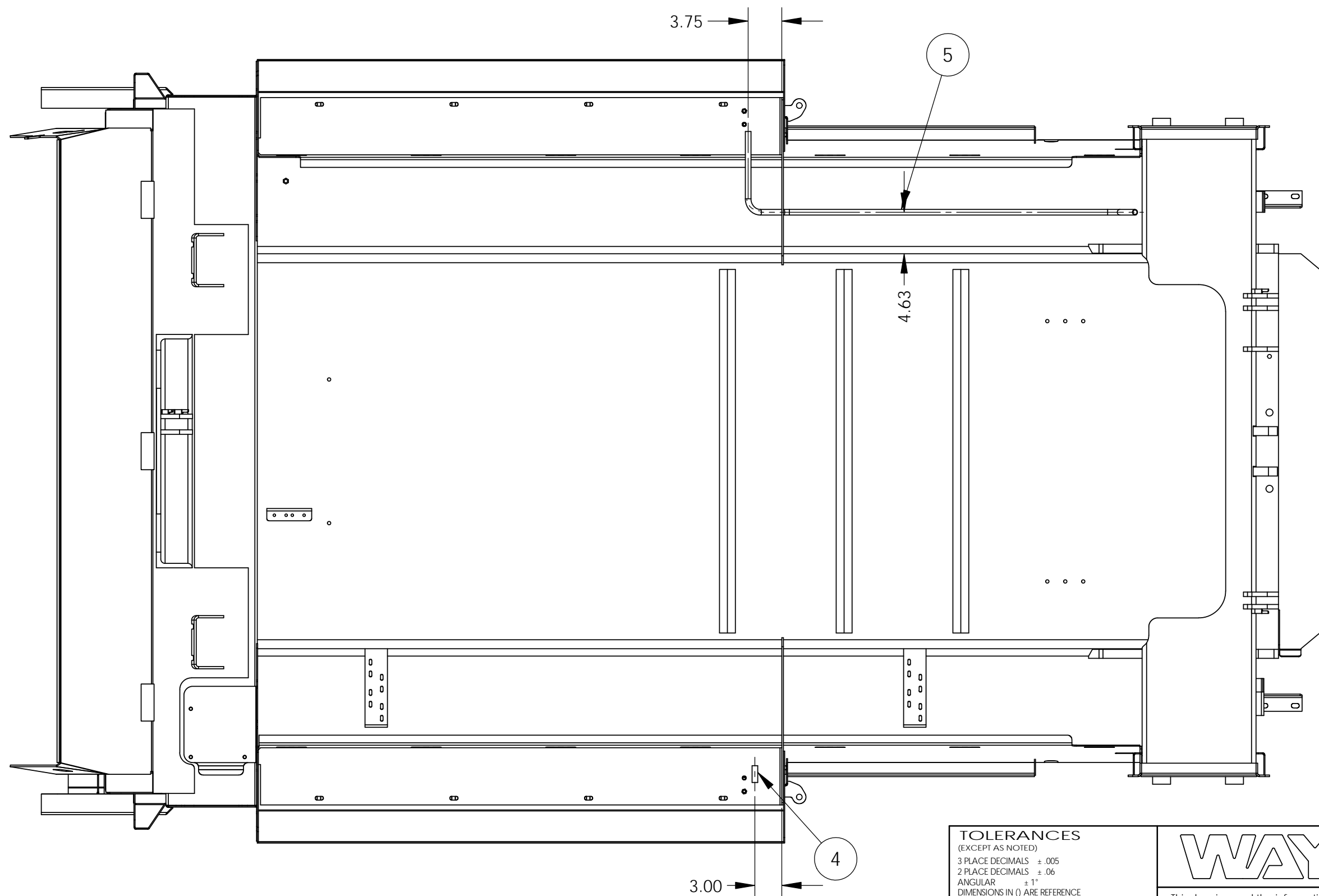
| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|-----|----------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN 05203 | DAS | 05/11/12 |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
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| 7 | ECN | | |
| 8 | ECN | | |

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CEDAR FALLS, IOWA

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DESCRIPTION
LIGHT KIT, LED REVERSE FLOOD, TC

| | | |
|------------------------|----------------------|--------------------------------------|
| DRAWN BY DAS | SCALE 1:6 | DRAWING NO. 00-34579-03-AB |
| CHK'D | ECN RELEASE 05114 | DATE 02/16/12 |



CONNECT WHITE WIRE ON THIS SIDE TO THE HYDRAULIC TUBES
TACK WELD CONDUIT TUBES TO BODY

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

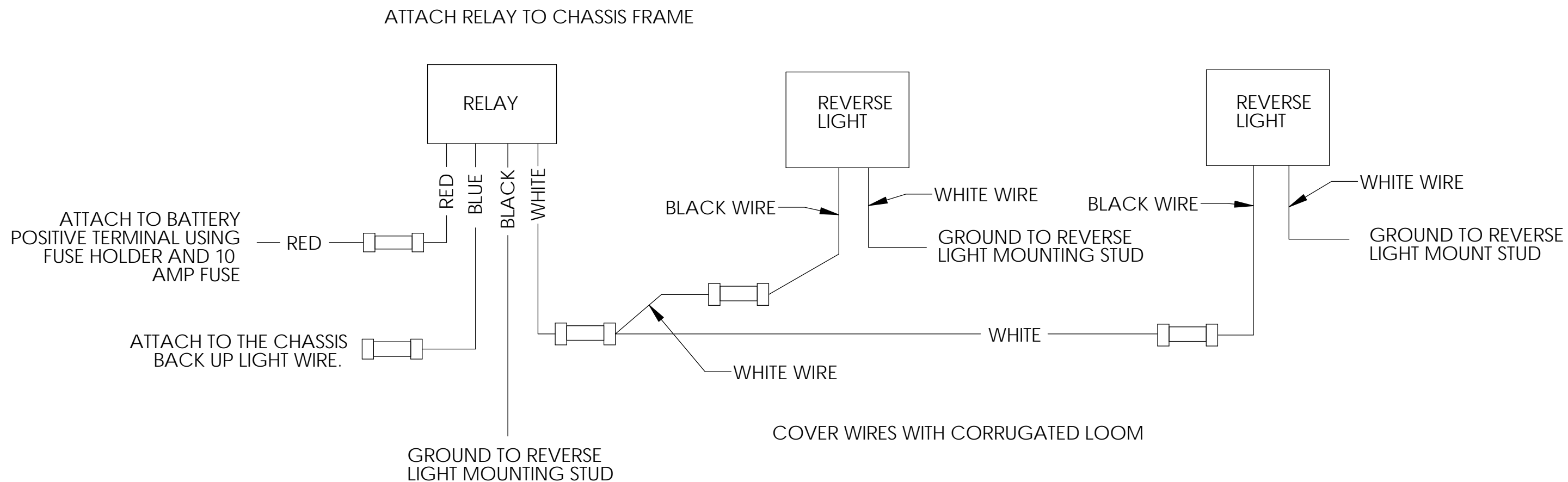
| SYM | ECN NUMBER | BY | DATE |
|-----|------------|-----|----------|
| 1 | ECN 05203 | DAS | 05/11/12 |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |


WAYNE

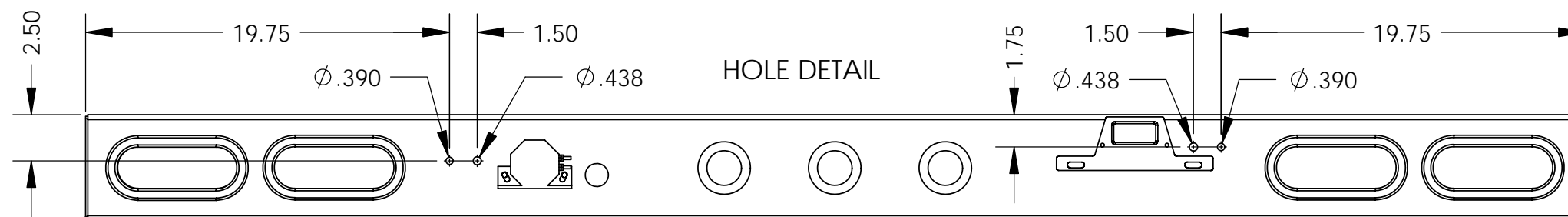
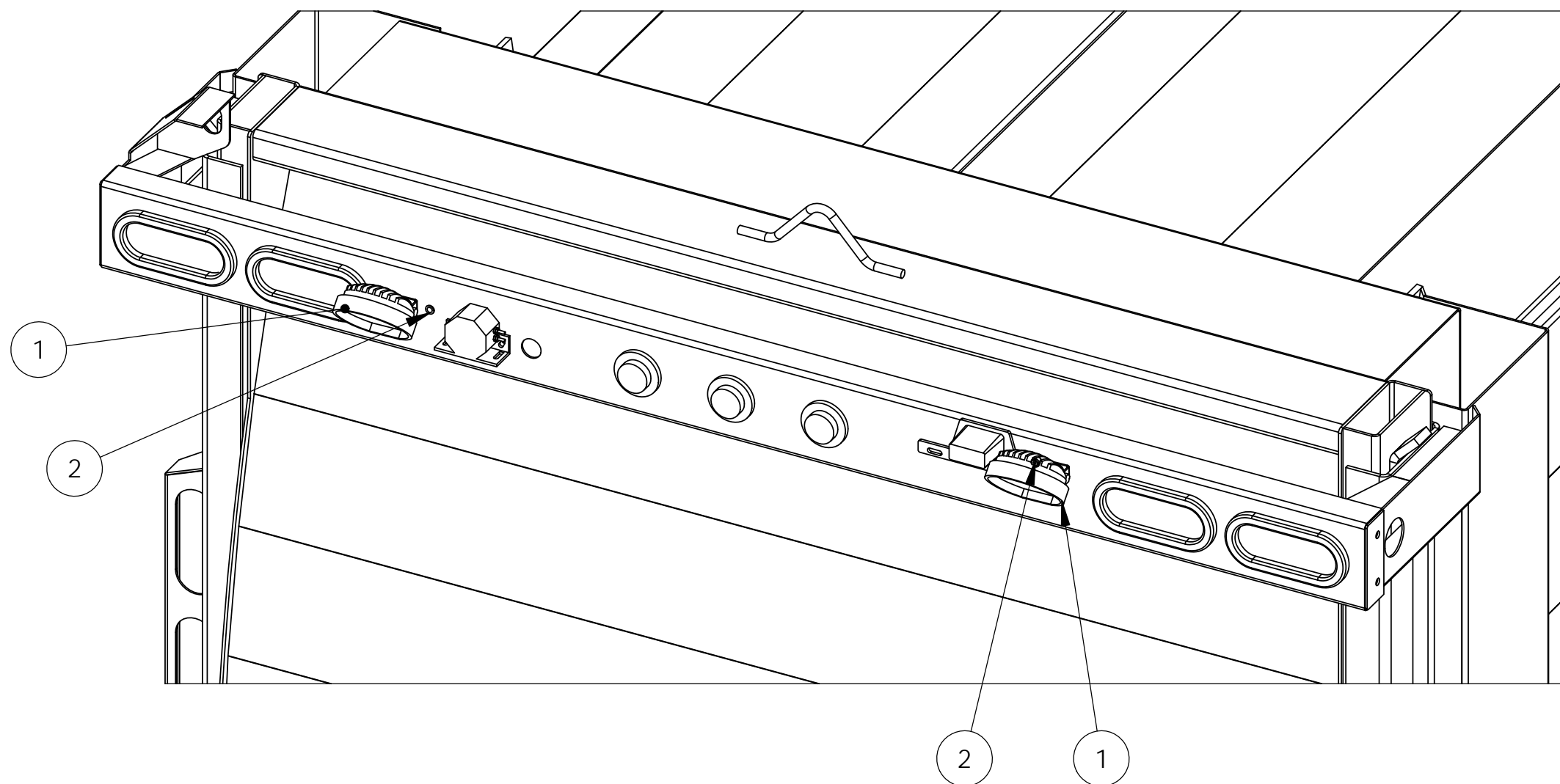
ENGINEERING CORPORATION
CEDAR FALLS, IOWA

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| | | | |
|----------------------------------|-------------|----------|----------------|
| DESCRIPTION | | | |
| LIGHT KIT, LED REVERSE FLOOD, TC | | | |
| DRAWN BY | | SCALE | DRAWING NO. |
| DAS | | 1:12 | 00-34579-03-AB |
| CHK'D | ECN RELEASE | DATE | |
| | 05114 | 02/16/12 | |



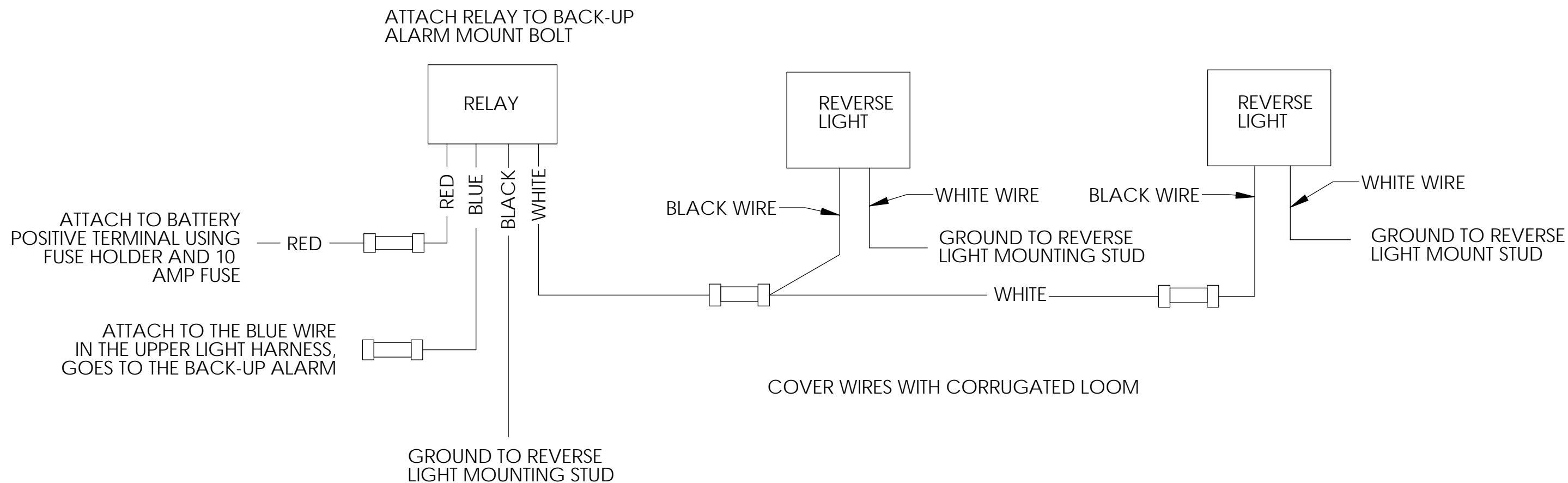
| | | | | | |
|---|--|---|--|--|--|
| TOLERANCES (EXCEPT AS NOTED) 3 PLACE DECIMALS ± .005 2 PLACE DECIMALS ± .06 ANGULAR ± 1° DIMENSIONS IN () ARE REFERENCE | | | |  WAYNE ENGINEERING CORPORATION CEDAR FALLS, IOWA | |
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| SYM 1 2 3 4 5 6 7 8 | | ECN NUMBER ECN 05203 ECN ECN ECN ECN ECN ECN | | BY DAS DATE 05/11/12 | |
| DRAWN BY DAS | | SCALE 1:8 | | DRAWING NO. 00-34579-03-AB | |
| CHK'D | | ECN RELEASE 05114 | | DATE 11/15/2012 | |



| | | | |
|----------|----------------|------|-----------------------------|
| 11 | 330-006-021 | 1 | FUSE, SPADE, ATC-10 |
| 10 | 330-011-001 | 1 | FUSE HOLDER,ATC WATERPROOF |
| 9 | 00-32855-00-OB | 1 | HARNESS,RELAY |
| 8 | 03-45116-11-R | 30 | WIRE, RED 16 GA |
| 7 | 430-003-000 | 20 | STRAP, TIE |
| 6 | 310-011-002 | 3 | TERMINAL, RING |
| 5 | 310-015-003 | 5 | CONNECTOR, BUTT, HEAT SEAL |
| 4 | 07-52005-90-R | 35 | LOOM, CORRUGATED .35 ID |
| 3 | 03-45116-00-R | 4 | WIRE, WHITE 16 GA |
| 2 | 303-004-005 | 2 | BUSHING, SNAP, .44 |
| 1 | 332-038-005 | 2 | LIGHT, WORK LED TRUCK LITE, |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

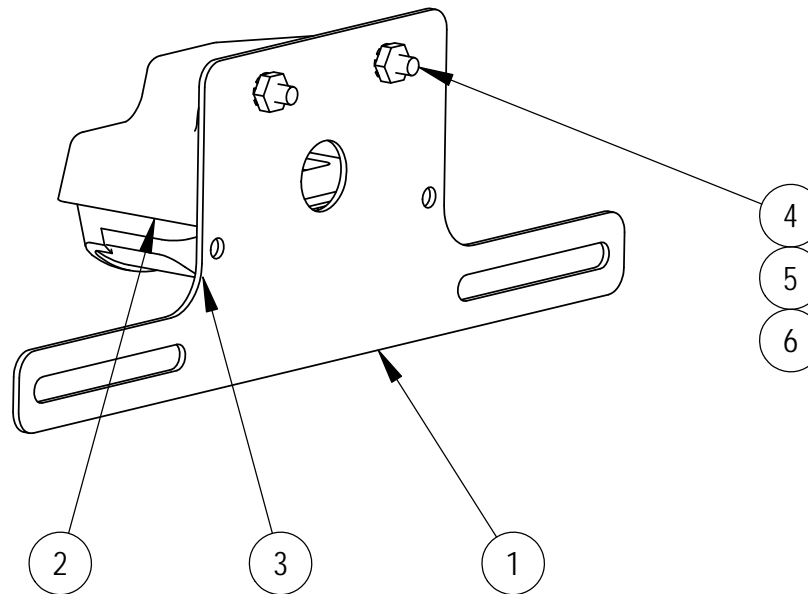
| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
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| 8 | ECN | | |

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| | | ENGINEERING CORPORATION CEDAR FALLS, IOWA | |
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| DESCRIPTION | | | |
| LIGHT KIT, LED REVERSE FLOOD, TC | | | |
| DRAWN BY | | SCALE | DRAWING NO. |
| DAS | | 1:8 | 00-34579-02-AB |
| CHK'D | ECN RELEASE | DATE | |
| | 05114 | 02/16/12 | |



| | | | | | |
|---|--|---|--|---|--|
| TOLERANCES (EXCEPT AS NOTED) 3 PLACE DECIMALS ± .005 2 PLACE DECIMALS ± .06 ANGULAR ± 1° DIMENSIONS IN () ARE REFERENCE | | | | WAYNE ENGINEERING CORPORATION CEDAR FALLS, IOWA | |
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| SYM 1 2 3 4 5 6 7 8 | | ECN NUMBER ECN ECN ECN ECN ECN ECN ECN | | BY DATE DRAWN BY DAS SCALE 1:8 DATE 11/15/2012 | |
| CHK'D ECN RELEASE 05114 | | | | DRAWING NO. 00-34579-02-AB | |

00-60347-00-AA



| | | | |
|----------|----------------|------|----------------------------|
| 6 | 445-003-002 | 2 | NUT,FINE THREAD |
| 5 | 461-003-014 | 2 | WASHER,LOCK,EXTERNAL TOOTH |
| 4 | 461-003-012 | 2 | SCREW, SELF TAPPING |
| 3 | 332-024-004 | 1 | LIGHT,LED LICENSE, |
| 2 | 332-024-003 | 1 | BRACKET,LICENSE LIGHT, |
| 1 | 00-60346-00-OA | 1 | BRACKET,LICENSE, |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

TOLERANCES
(EXCEPT AS NOTED)
2 PLACE DECIMALS ± .06
3 PLACE DECIMALS ± .005
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

WAYNE

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CEDAR FALLS, IOWA

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| NO. | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

| | | | |
|---|-----------------------------|--------------------------------------|--|
| DESCRIPTION LIGHT ASSY,LED LICENSE, | | | |
| DRAWN BY DSS | SCALE 1:2 | DRAWING NO. 00-60347-00-AA | |
| CHK'D | ECN RELEASE 04615 | DATE 08/27/10 | |

WEIGHT:1.66 LBS

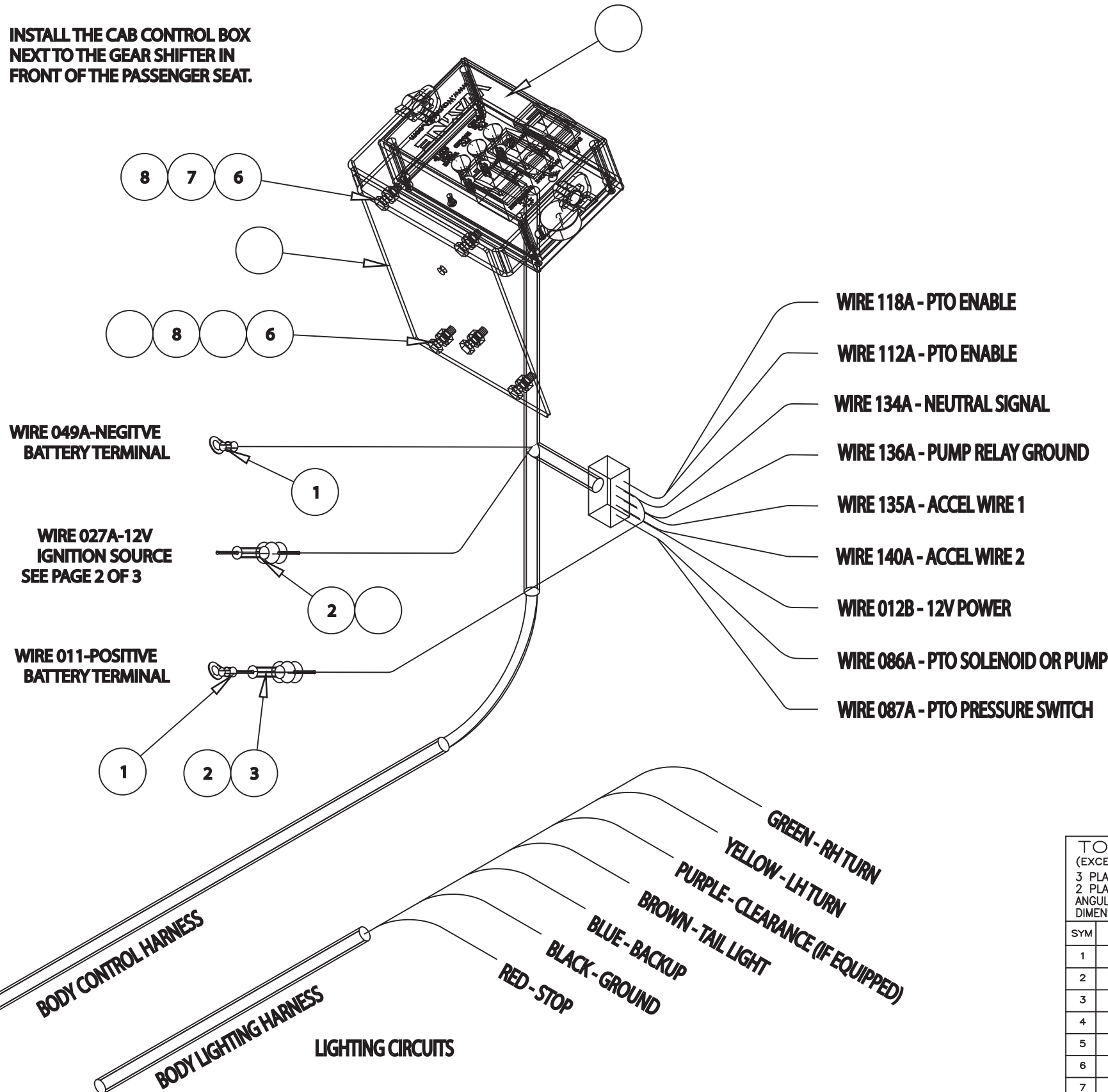
**CAB CONTROL BOX CONVERSION, CHECK THE SLIP-ON CONNECTOR:
SIDE LOADER - TPTO WIRE IS CONNECTED TO PTO1 WIRE
REAR LOADER - RPTO WIRE IS CONNECTED TO PTO1 WIRE**

**INSTALL THE CAB CONTROL BOX
NEXT TO THE GEAR SHIFTER IN
FRONT OF THE PASSENGER SEAT.**

THIS ASSY IS USED ON THE FOLLOWING

| MAKE | MODEL | ENGINE | TRANS |
|----------------------|---------|---------|-------|
| 2008 AND UP ISUZU | NPR-NRR | 4HE1-TC | ANY |

| VOLTAGE | ENGINE ACCELERATOR | OPERATING CONTROLS |
|---------|-----------------------|-----------------------|
| 12V | ELECTRONIC | MANUAL |



| 16 | 00-38548-01-DB | 1 | DRAWING 00-38548-01-AB |
|-----|----------------|-----|-----------------------------------|
| 15 | 345-005-029 | 1 | CONTACT, SOCKET |
| 14 | 310-015-000 | 2 | CONNECTOR, CLOSED END |
| 13 | 07-52002-80-R | .5F | TUBING, HEAT SHRINK 1/8 (6" LONG) |
| 12 | 300-017-000 | 2 | DIODE |
| 11 | 310-015-003 | 9 | CONNECTOR, BUTT 14-16GA |
| 10 | 00-33067-04-OA | 1 | BRKT, CAB BOX MOUNT |
| 9 | 485-008-004 | 5 | WASHER, LOCK 1/4 |
| 8 | 485-004-001 | 3 | WASHER, FLAT 1/4 |
| 7 | 445-004-001 | 5 | NUT, HEX 1/4-20 |
| 6 | 415-004-012 | 5 | CAPSCREW, 1/4-20 X 3/4 |
| 5 | 00-38307-00-AB | 1 | CAB CONTROL BOX ASSY |
| 4 | 330-009-000 | 1 | FUSE, IN-LINE, 5A |
| 3 | 330-006-000 | 1 | FUSE, IN LINE, 20A |
| 2 | 330-011-000 | 2 | HOLDER, FUSE |
| 1 | 310-011-002 | 2 | TERMINAL, RING |
| SYM | PART NUMBER | QTY | NAME |

TOLERANCES
(EXCEPT AS NOTED)

3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | | | |
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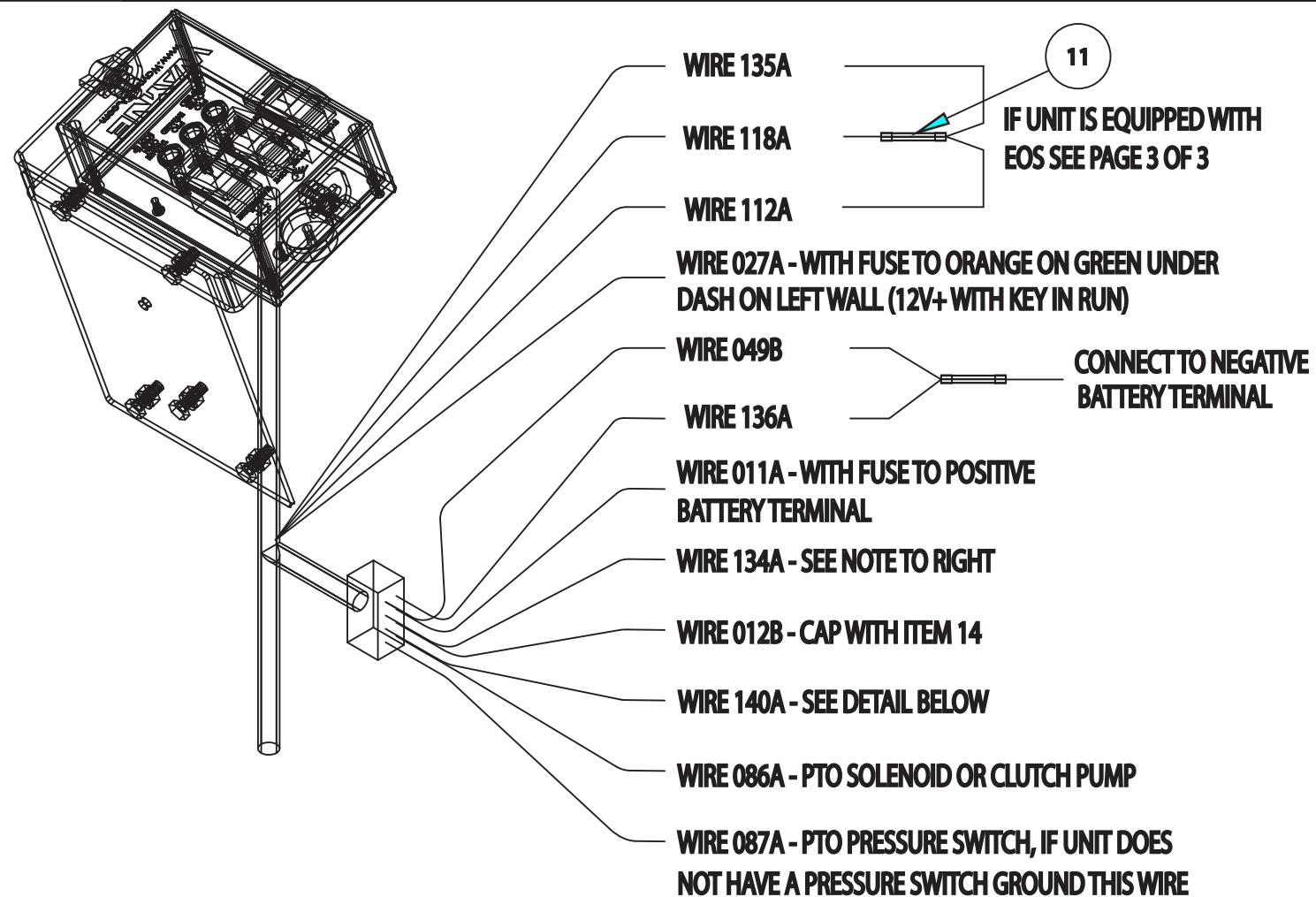
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CEDAR FALLS, IOWA

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DESCRIPTION: **ELEC ASSY, MTG,SS & TC**

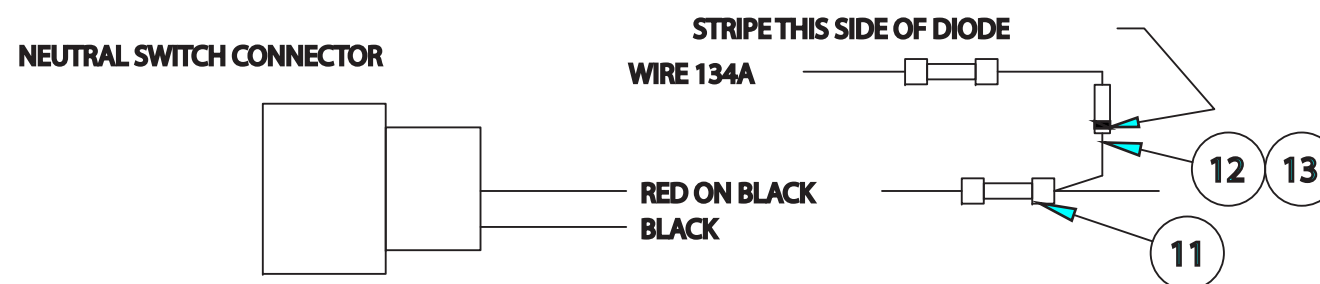
DRAWN BY: **DAS** SCALE: **1:4** DRAWING NO.: **00-38548-01-AB**

CHK'D: ECN RELEASE: **03948** DATE: **01/19/08**



INSTALLATION INSTRUCTIONS

LOCATE THE 10 PIN NEUTRAL SWITCH CONNECTOR, THE CONNECTOR IS ON THE LEFT SIDE OF THE TRANSMISSION. FIND THE RED ON BLACK WIRE AND THE BLACK WIRE. UNHOOK THE 10 PIN CONNECTOR. CHECK THAT THE CIRCUIT ON THE RED ON BLACK AND BLACK WIRES ON THE OTHER SIDE OF THE CONNECTOR LOSE CONTINUITY WHEN THE TRUCK IS IN DRIVE OR REVERSE, IF IT DOESN'T YOU DO NOT HAVE THE CORRECT WIRES, YOU WILL NEED TO FIND THE CORRECT WIRES BEFORE YOU CONTINUE. IF YOU HAVE THE CORRECT WIRES RECONNECT THE 10 PIN CONNECTOR. CUT THE RED ON BLACK WIRE ON THE HARNESS SIDE OF THE CONNECTOR AND TAP-IN WIRE 134A OF THE TOMCAT CHASSIS HARNESS AS SHOWN BELOW.



THE CHASSIS WILL HAVE TO BE REPROGRAMMED TO THE FOLLOWING PARAMETERS AT AN ISUZU DEALER. ADJUST PTO STANDBY SPEED TO GET CORRECT CYCLE TIME, DO NOT SET PTO STAND BY SPEED LOWER THEN 1200 RPM

- REMOTE PTO SELECTED
- PTO MAX ENGINE SPEED - 1400 RPM
- PTO STAND BY SPEED - 1200 RPM (THIS IS THE CIRCUIT PTO MODE USES)
- PTO SET SPEED - 1250 RPM
- PTO RESUME SPEED - 1250 PRM

CHECKING THE NEUTRAL SWITCH

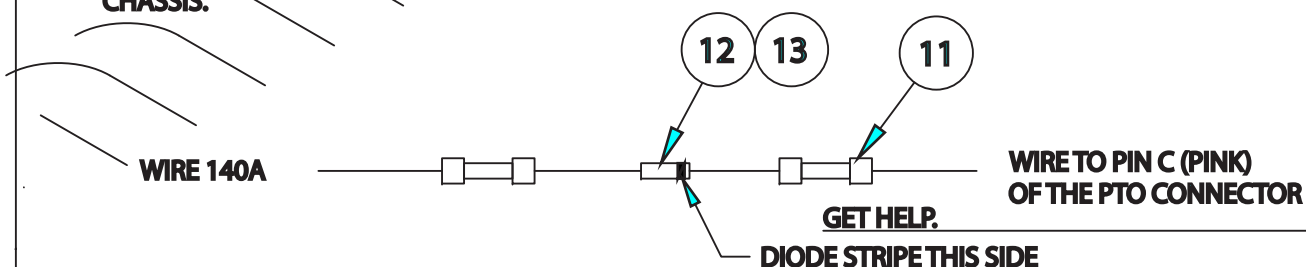
AFTER CONNECTING THE WIRES TO THE NEUTRAL SWITCH CIRCUIT YOU MUST TEST ITS OPERATION. RECONNECT THE BATTERY TERMINALS TO THE BATTERY. CHECK TO MAKE SURE THE CHASSIS WILL NOT START IN DRIVE AND REVERSE. TURN ON THE "SYSTEM ON" SWITCH ON THE CAB CONTROL BOX. HAVE SOMEONE PRESS THE ENGINE ACCEL SWITCH AT THE BACK OF THE REFUSE BODY.

WITH THIS NEXT STEP THE CHASSIS CAN MOVE IF NOT DONE CORRECTLY.

WITH YOUR FOOT PRESSING ON THE BRAKE, SHIFT THE CHASSIS TO DRIVE AND REVERSE TO SEE IF THE ENGINE ACCEL CUTS OUT. IF IT DOESN'T CHECK YOUR WIRE CONNECTIONS ARE CORRECT. THEN CALL WAYNE ENGINEERING SERVICE DEPARTMENT TO

ENGINE ACCEL WIRING

CONNECT WIRE 140A OF THE TOMCAT CHASSIS HARNESS WITH A DIODE AND HEAT SHRINK TUBING TO PIN C (PINK) OF THE 8 PIN PTO CONNECTOR USING ITEM 1 BY CUTTING WIRE FROM PIN C NEAR THE CONNECTOR. THE PTO CONNECTOR IS LOCATED NEAR THE CROSS MEMBER IN FRONT OF THE REAR AXLE ON THE LEFT HAND SIDE OF THE THE CHASSIS.



INSTALLATION INSTRUCTIONS FOR ENGINE ACCELERATOR NEUTRAL CUT-OFF FOR USE IN TRUCKS WITH AUTOMATIC TRANSMISSIONS:

This modification to the chassis wiring allows the use of the original equipment neutral cut-out switch in the truck to perform double duty. The switch is normally used to insure that the gear shift selector must be in neutral before starting the engine. This is a safety feature to prevent starting the engine with the selector in drive and causing the truck to move unexpectedly. For proper operation of the refuse packer, it is necessary to increase the truck engine RPM above idle. To accelerate the engine, an electric solenoid is linked to the engine throttle. If the engine was accelerated with the transmission selector in drive, it might also cause the truck to move; therefore, it is necessary to "cut-out" the electric accelerator solenoid unless the transmission selector is in neutral or park.

TOLERANCES (EXCEPT AS NOTED)

| | |
|---------------------------|--------|
| 3 PLACE DECIMALS | ± .005 |
| 2 PLACE DECIMALS | ± .06 |
| ANGULAR DIMENSIONS IN () | ± 1° |

ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | | | |
| 2 | | | |
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| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |

WAYNE ENGINEERING CORPORATION
CEDAR FALLS, IOWA

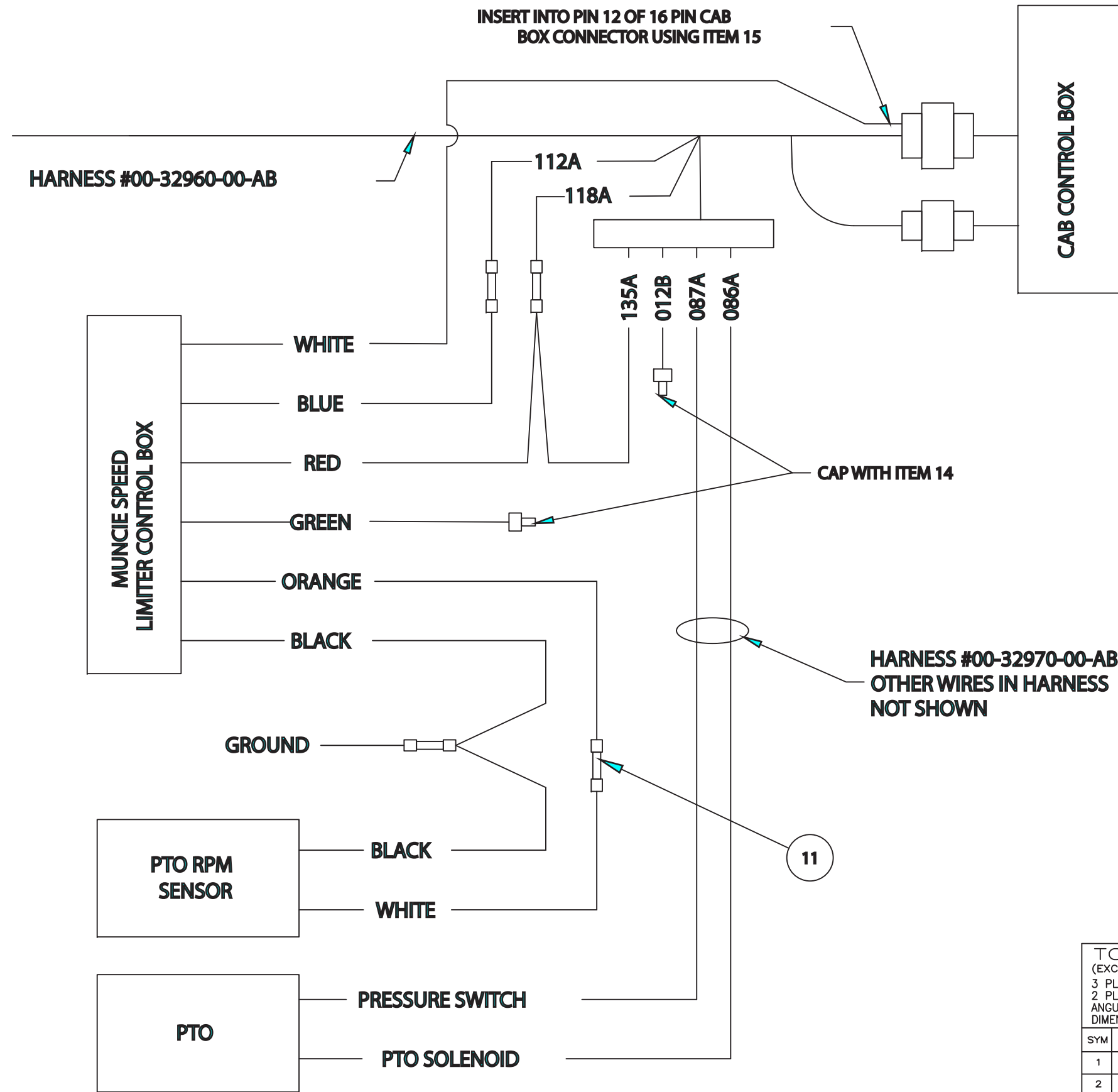
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DESCRIPTION **ELEC ASSY, MTG,SS & TC**

DRAWN BY **DAS** SCALE **1:4** DRAWING NO.

CHK'D ECN RELEASE DATE **01/19/08**

00-38548-01-AB



FOR UNIT WITH A MUNCIE SPD-1000 EOC

USE THE INSTRUCTIONS IN THE MUNCIE SPD-1000 TO SET THE EOS SPEED, 300 OVER PTO SET SPEED

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
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| 7 | | | |
| 8 | | | |

WAYNE ENGINEERING CORPORATION
CEDAR FALLS, IOWA

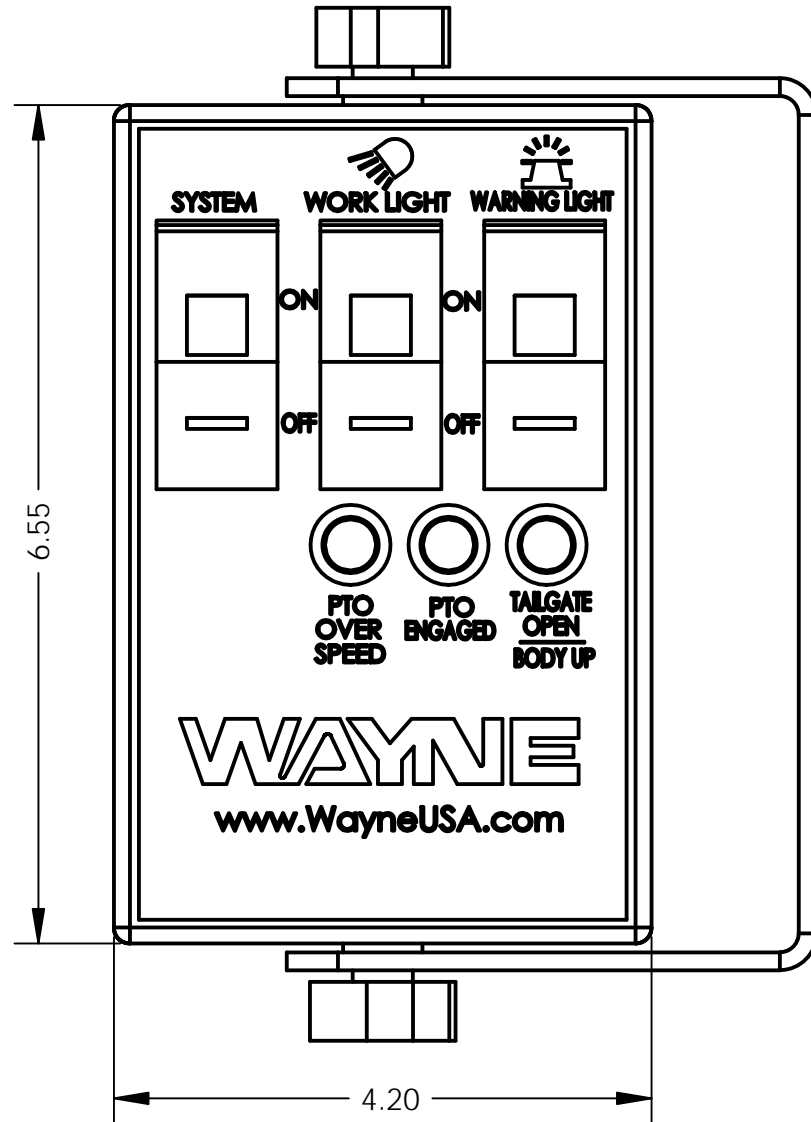
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DESCRIPTION
ELEC ASSY, MTG,SS & TC

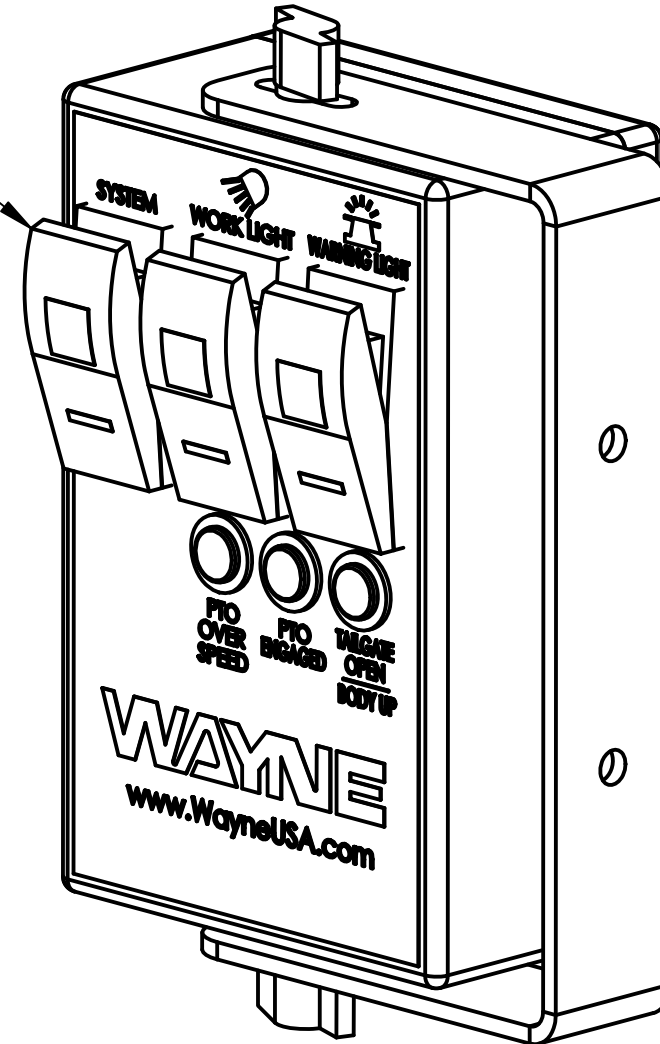
DRAWN BY **DAS** SCALE **1:4** DRAWING NO.

CHK'D DATE **01/19/08**

00-38548-01-AB



SWITCH PART # 345-011-010



PURCHASE FROM PACIFIC INSIGHT

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

WAYNE

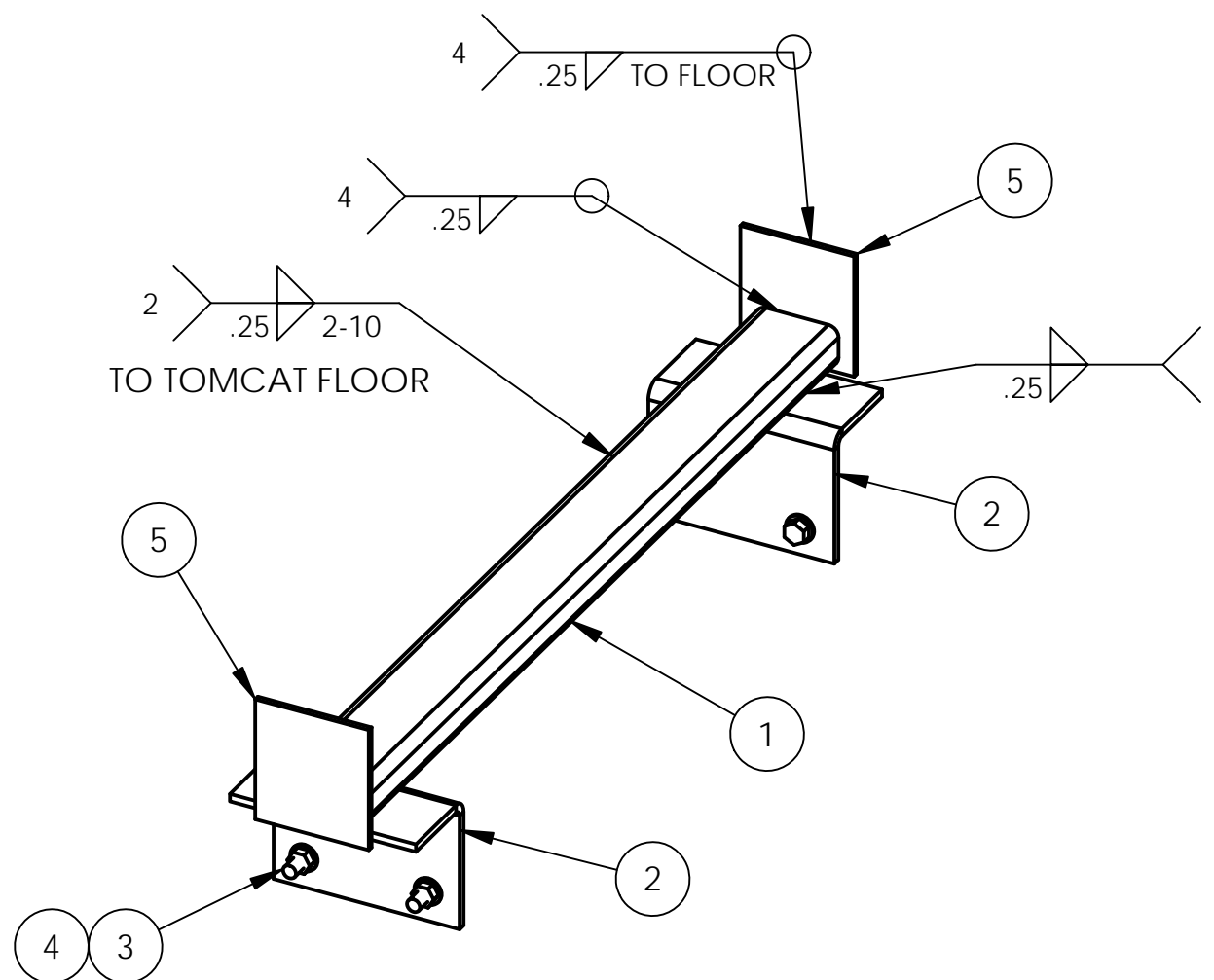
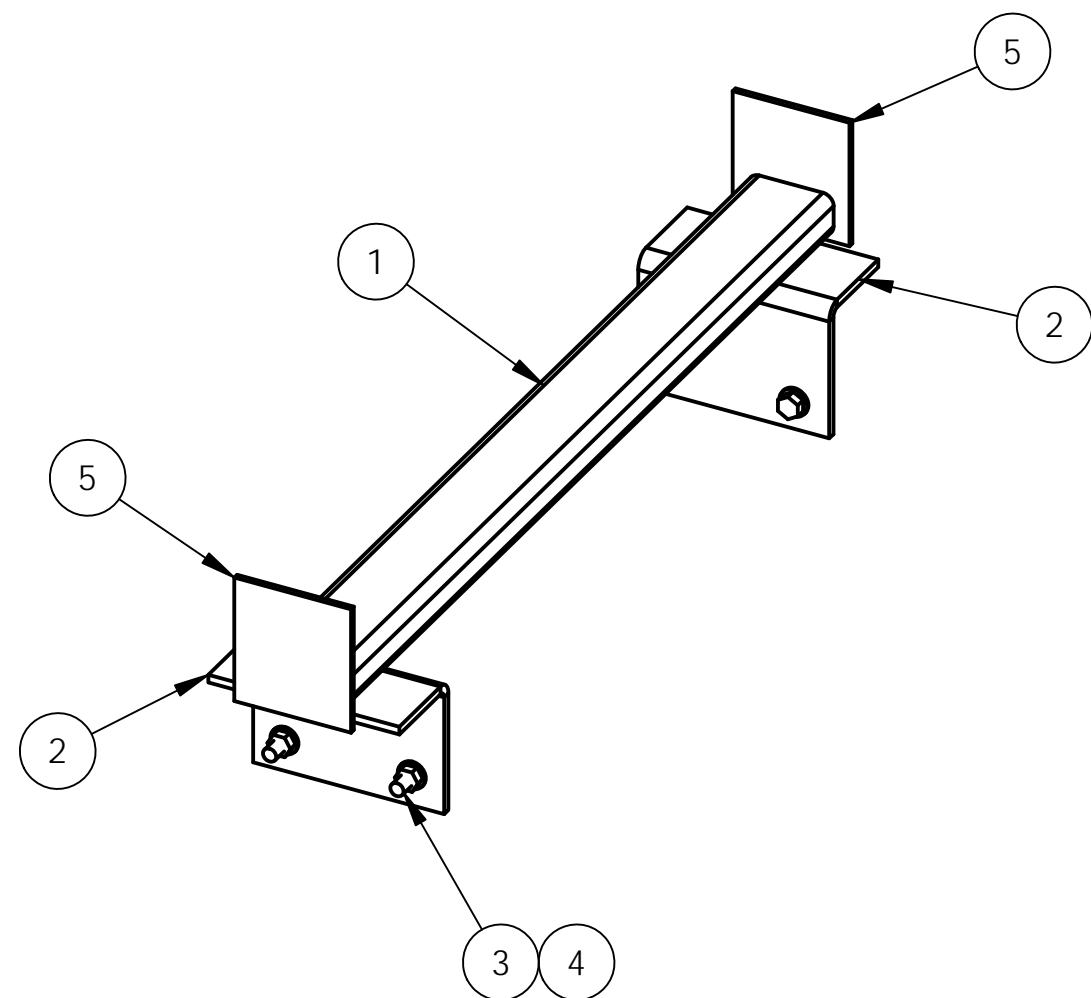
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CEDAR FALLS, IOWA

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DESCRIPTION CONTROL ASSY, CAB 12V, RL & TC

| | | | | |
|----------|----------------------|-------|----------|-------------|
| DRAWN BY | DAS | SCALE | 1:1.5 | DRAWING NO. |
| CHK'D | ECN RELEASE 03833 | DATE | 10/06/08 | |

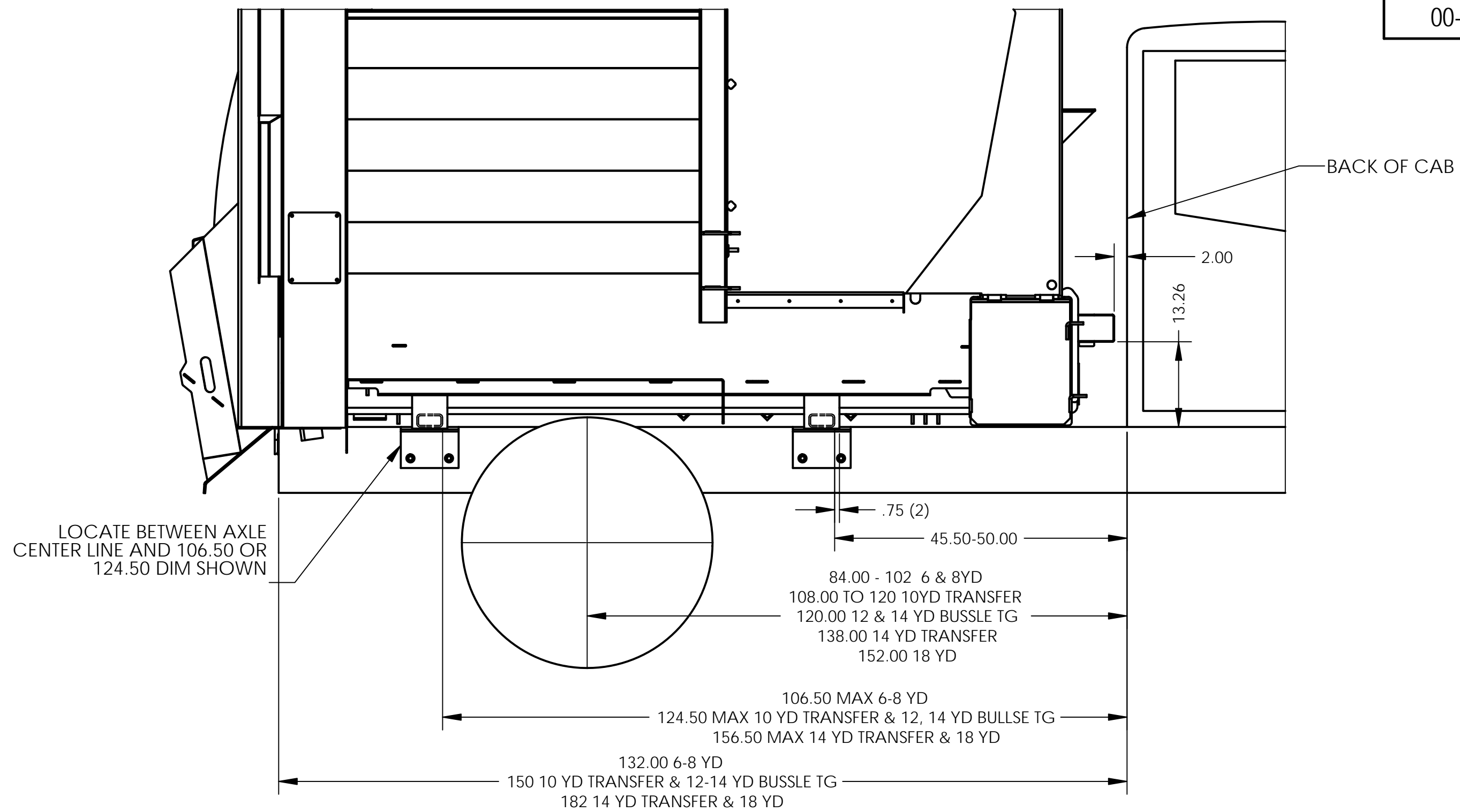
00-38307-00-AB



| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |
|----------|----------------|------|---------------------------|
| 7 | 00-30363-05-DB | 1 | DRAWING OF 00-30363-05-AB |
| 6 | | 1 | |
| 5 | 00-30003-00-OA | 4 | RECT, 5.50 x 6.00 x .25 |
| 4 | 445-710-001 | 8 | NUT, FRAME |
| 3 | 416-710-032 | 8 | BOLT, FRAME, HEX FLANGE |
| 2 | 00-30153-00-OA | 4 | BRACKET |
| 1 | 00-30157-00-OA | 2 | TUBE |

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|-----|----------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN 02804 | DAS | 02/09/05 |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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|---|----------------------|--|----------------|
| WAYNE | | ENGINEERING CORPORATION CEDAR FALLS, IOWA | |
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| DESCRIPTION MTG KIT, NO LIFT, TC | | | |
| DRAWN BY DAS | | SCALE 1:8 | DRAWING NO. |
| CHK'D | ECN RELEASE 02314 | DATE 02/06/04 | 00-30363-05-AB |



TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

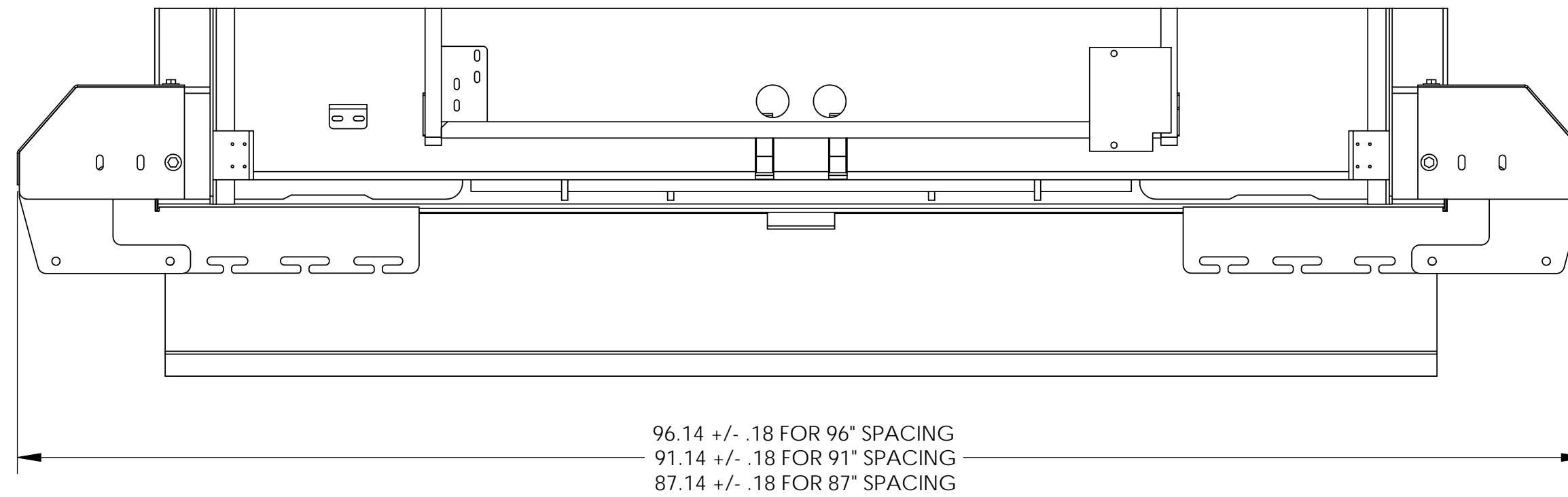
| SYM | ECN NUMBER | BY | DATE |
|-----|------------|-----|----------|
| 1 | ECN 02804 | DAS | 02/09/05 |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

WAYNE ENGINEERING CORPORATION
CEDAR FALLS, IOWA

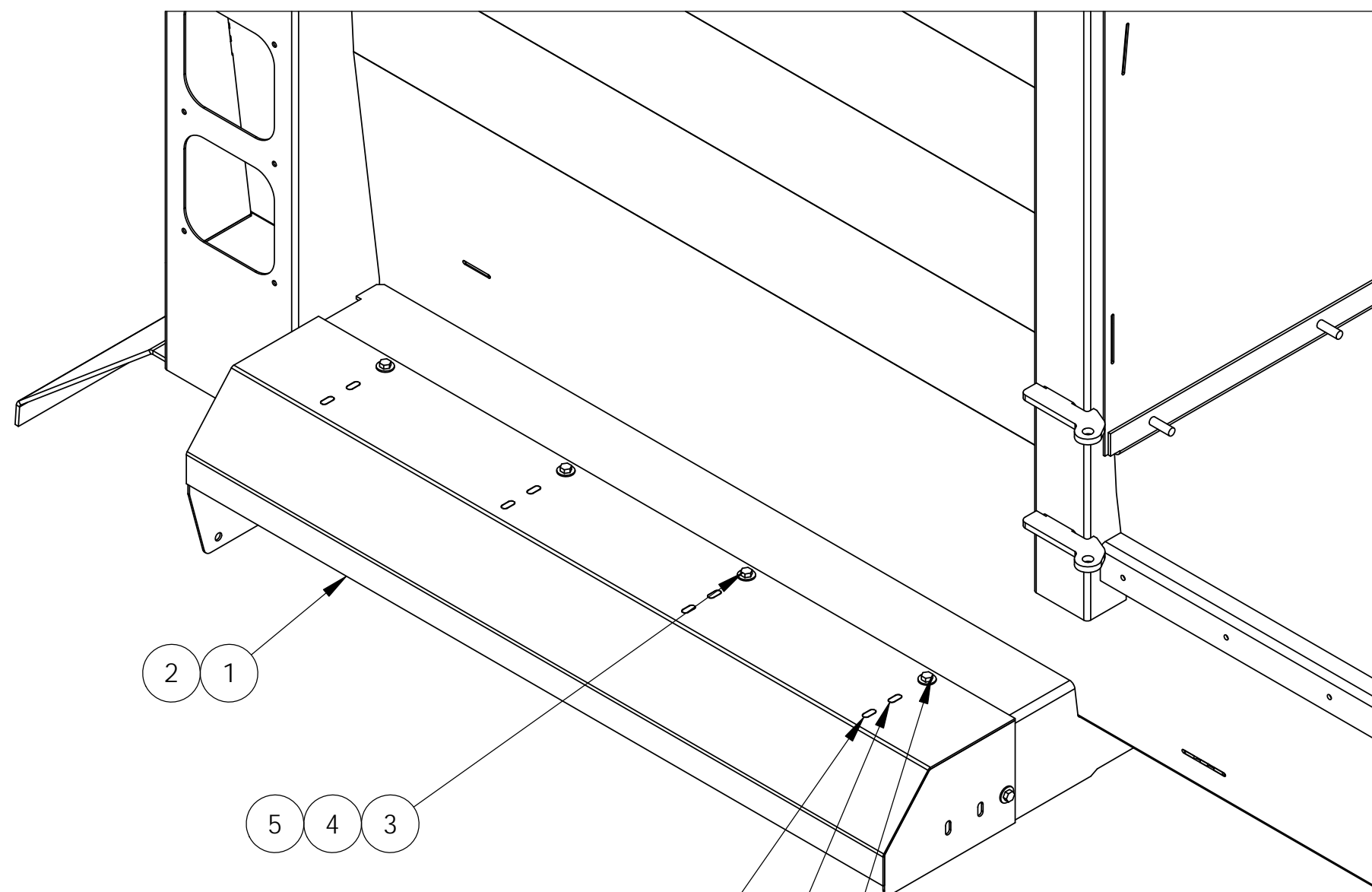
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DESCRIPTION
MTG KIT, NO LIFT, TC

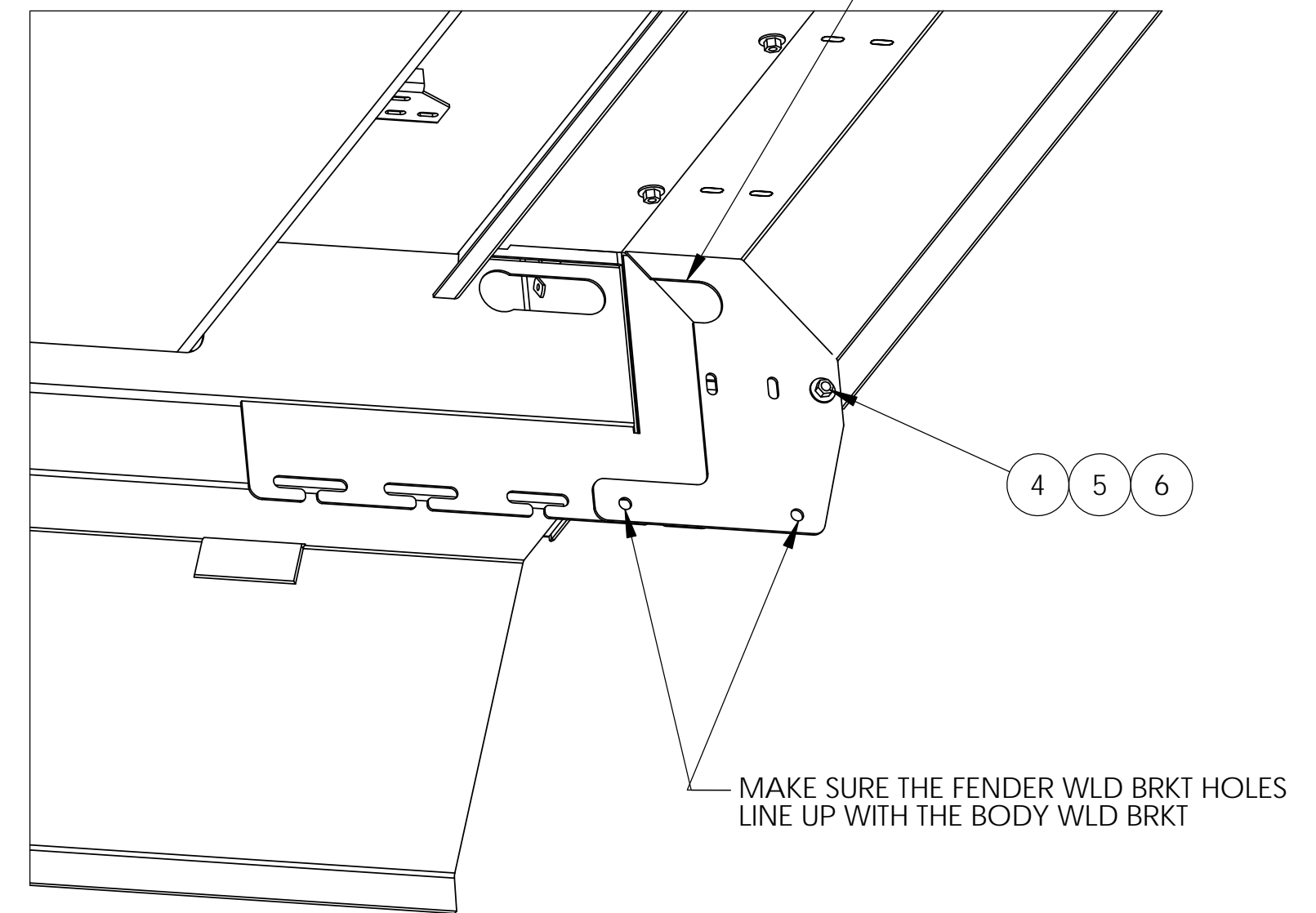
| | | |
|-----------------------------|-------------------------|--------------------------------------|
| DRAWN BY DAS | SCALE 1:16 | DRAWING NO. 00-30363-05-AB |
| CHK'D | DATE 02/06/04 | |
| ECN RELEASE 02314 | | |



ON 87" FENDER SPACING, REMOVE FENDER KNOCK OUT.
 WHEN FITTING THE 91" FENDER SPACING MAKE SURE THE FENDER
 KNOCK OUT DOES NOT TOUCH THE TAILGATE TUBES



USE THIS HOLE SPACING FOR 87" FENDERS
 USE THIS HOLE SPACING FOR 91" FENDERS
 USE THIS HOLE SPACING FOR 96" FENDERS



VIEW FROM UNDER FENDER AT 87" SPACING
 SCALE 1:6

| ITEM NO. | PART NUMBER | Default/QTY. | DESCRIPTION |
|----------|----------------|--------------|------------------------|
| 5 | 445-006-002 | 12 | NUT,LOCK |
| 4 | 485-006-003 | 24 | WASHER,STD FLAT |
| 3 | 415-006-012 | 12 | CAPSCREW |
| 2 | 00-34340-03-AB | 1 | FENDER WLD, 8YD LH, TC |
| 1 | 00-34340-04-AB | 1 | FENDER WLD, 8YD RH, TC |

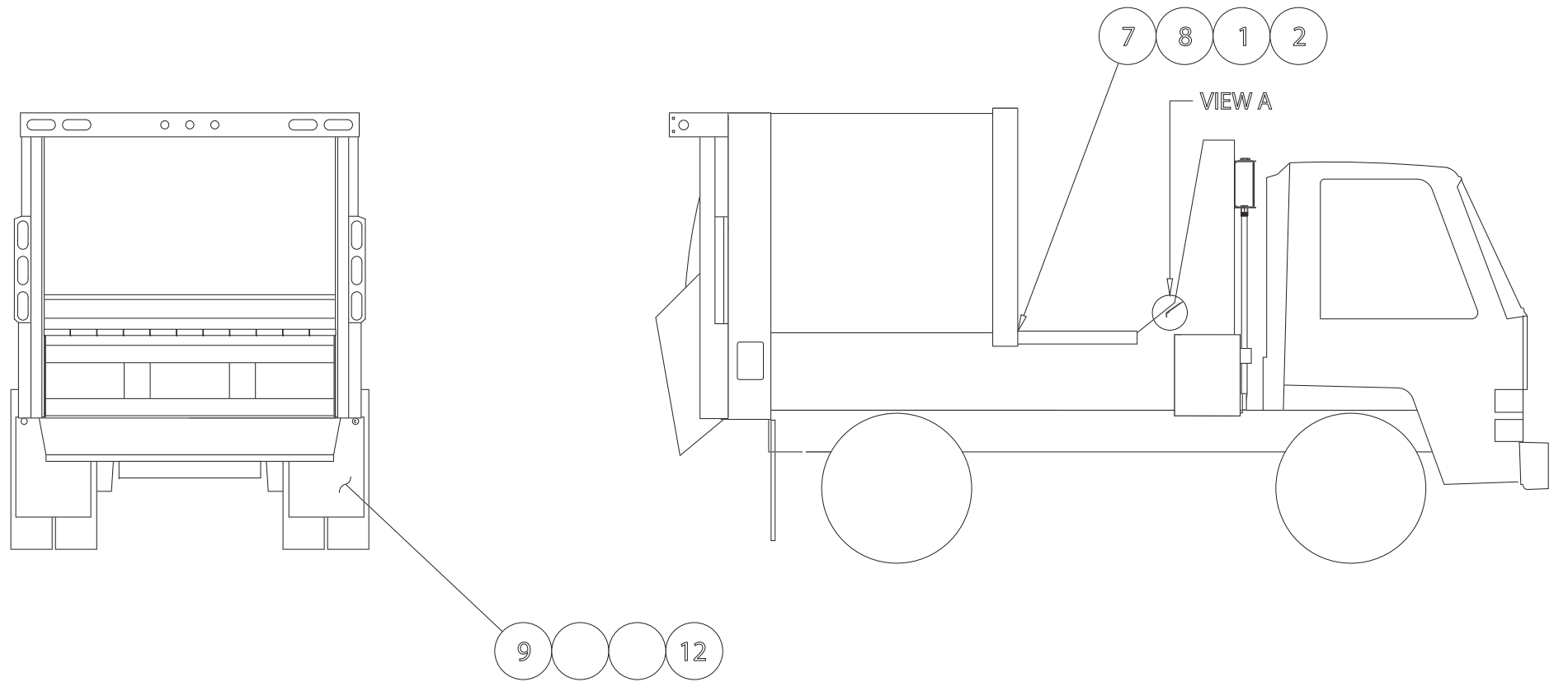
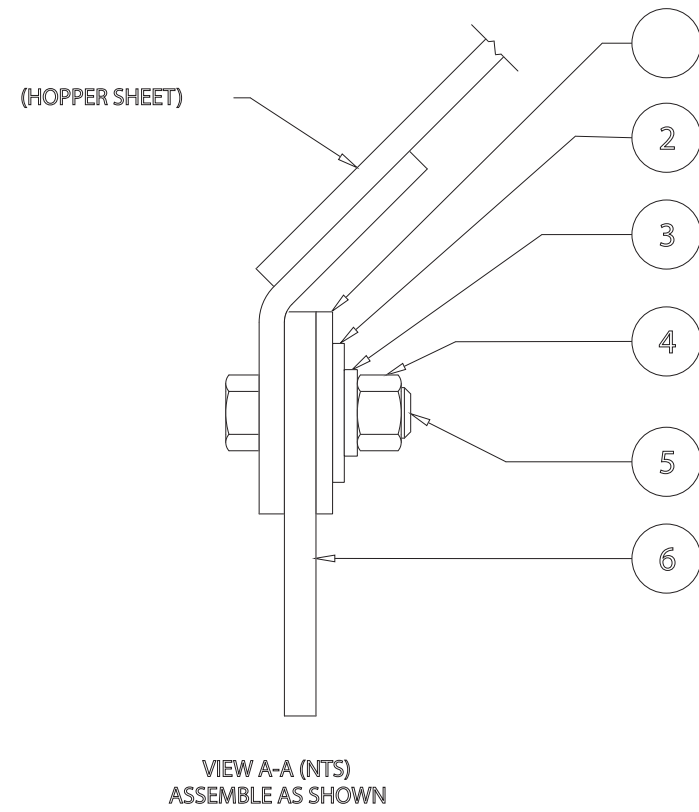
TOLERANCES
 (EXCEPT AS NOTED)
 3 PLACE DECIMALS ± .005
 2 PLACE DECIMALS ± .06
 ANGULAR ± 1°
 DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|-----|----------|
| 1 | ECN 02768 | DAS | 01/15/05 |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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 CEDAR FALLS, IOWA

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| | | | |
|-------------------------------------|-------------|----------|-----------------------|
| DESCRIPTION | | | |
| FENDER ASSY, 8YD BOLT ON, TC | | | |
| DRAWN BY | DAS | SCALE | 1:8 |
| CHK'D | ECN RELEASE | DATE | |
| | 02509 | 06/09/04 | |
| | | | DRAWING NO. |
| | | | 00-33634-02-AC |



| | | | |
|-----|----------------|-----|----------------|
| 12 | 445-006-002 | 6 | NUT, LOCK |
| 11 | 485-006-002 | 6 | WASHER, FLAT |
| 10 | 415-006-020 | 6 | CAPSCREW |
| 9 | 400-012-001 | 2 | MUDFLAP |
| 8 | 445-008-002 | 6 | NUT, LOCK |
| 7 | 00-24904-07-WA | 1 | FLAP, COVER |
| 6 | 00-24904-06-WA | 1 | FLAP, COVER |
| 5 | 415-008-024 | 6 | CAPSCREW |
| 4 | 445-008-003 | 6 | NUT |
| 3 | 485-008-002 | 6 | WASHER, LOCK |
| 2 | 485-008-000 | 12 | WASHER, FLAT |
| 1 | 00-24777-00-OA | 2 | RETAINER, FLAP |
| SYM | PART NUMBER | QTY | NAME |

TRIM KIT, NARROW MUD FLAPS

DAS

1:40

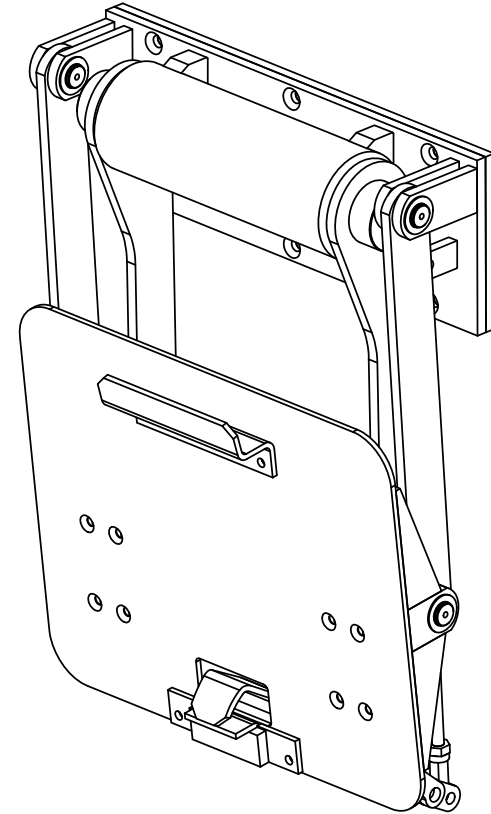
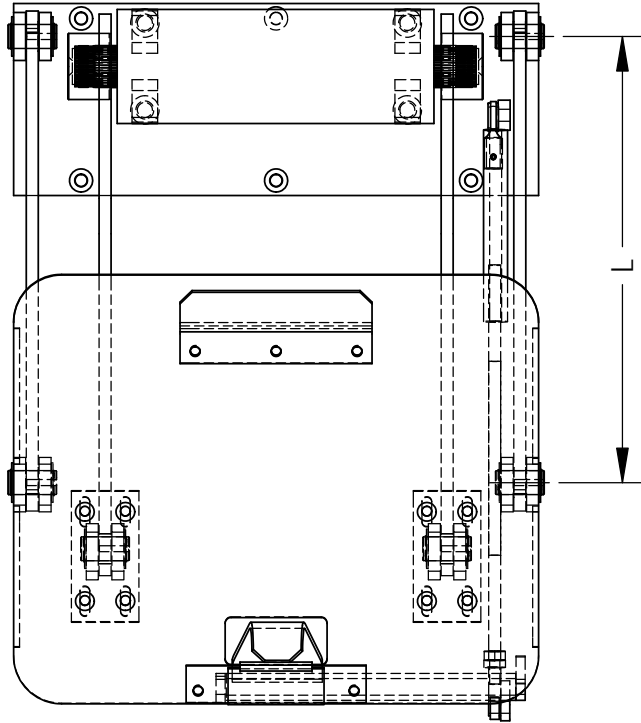
01895

04/11/03

00-33044-01-AB

| PART NO. | PERKINS NUMBER | "L" | MOUNTED FRAME HEIGHT |
|-----------------------|----------------|-------|----------------------|
| 00-33241-01-AA | D6071X | 18.63 | 27-34 |
| 00-33241-02-AA | D6071XX | 22.38 | 32-38 |
| Assem2^00-33241-01-AA | | | |

00-33241-XX-AA



TOLERANCES
(EXCEPT AS NOTED)
2 PLACE DECIMALS ± .06
3 PLACE DECIMALS ± .005
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

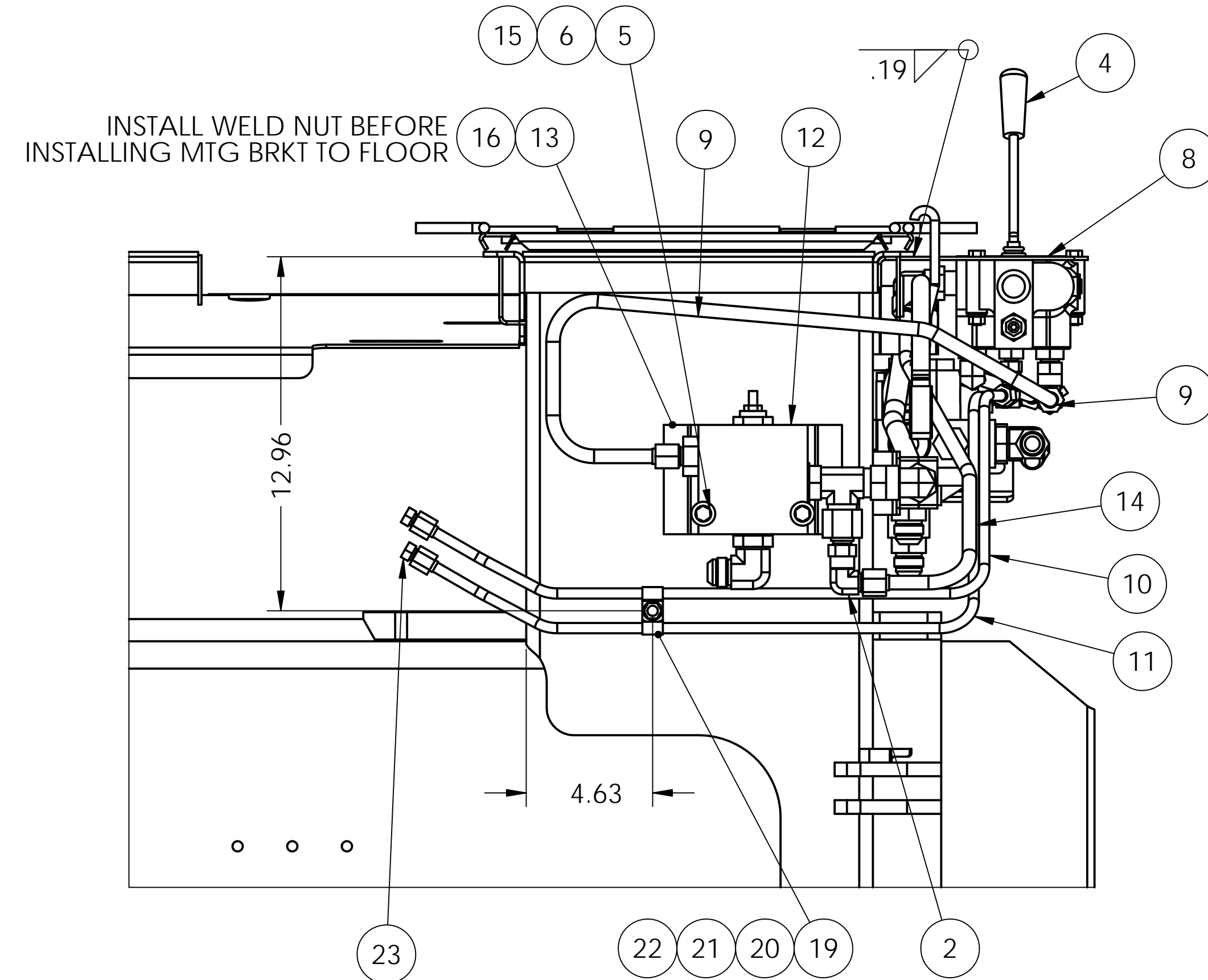
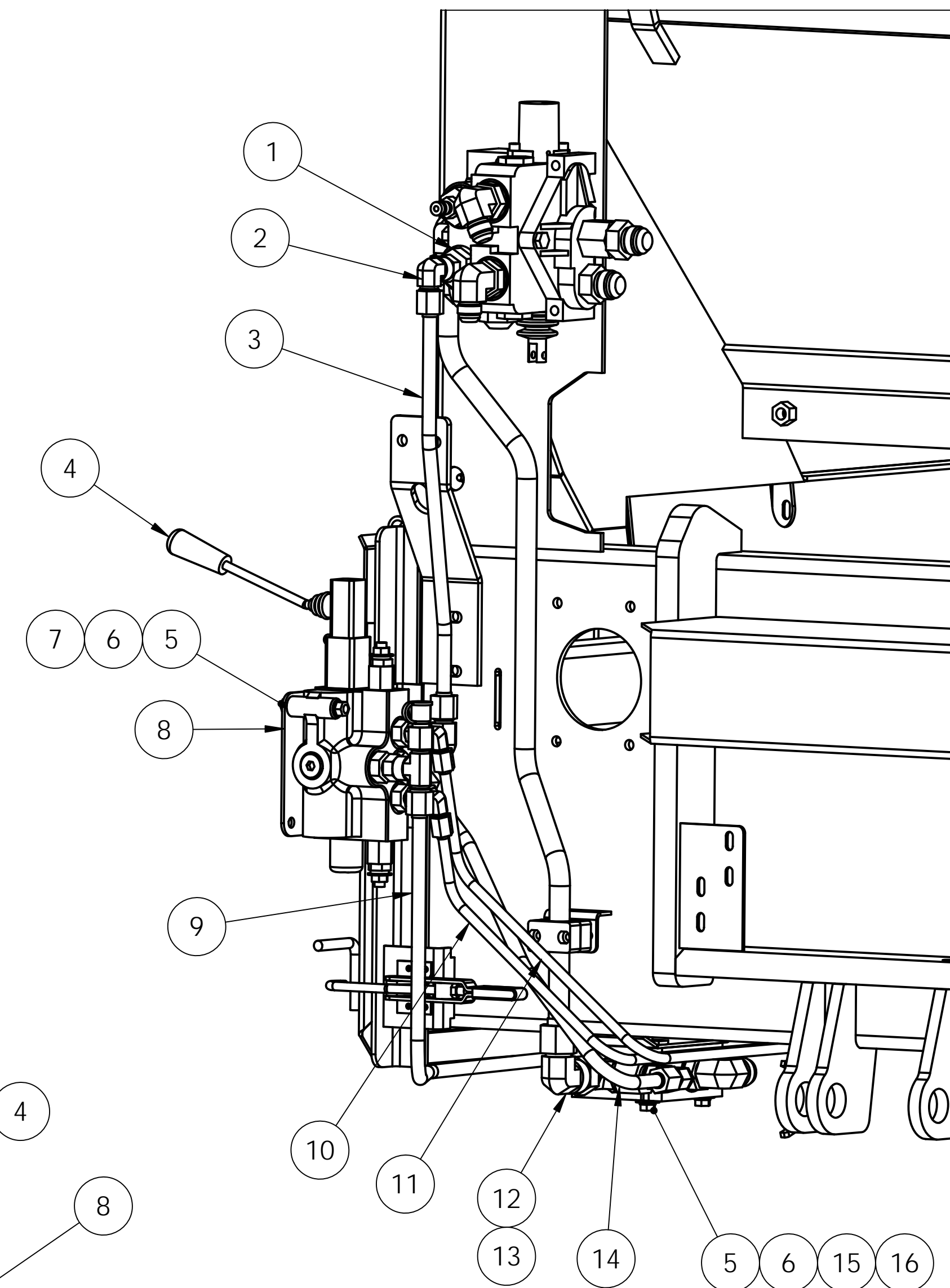
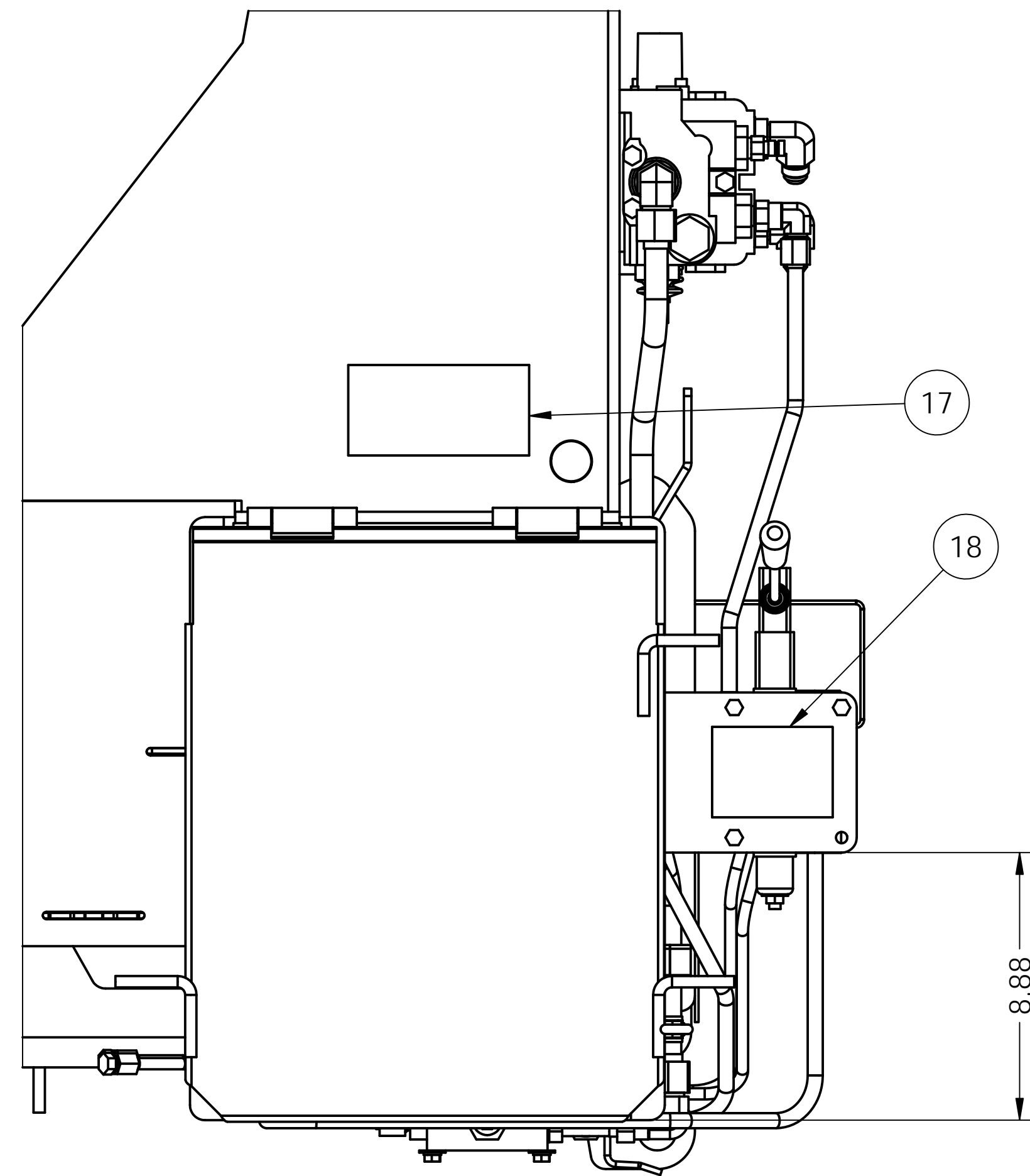
| NO. | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
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| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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CEDAR FALLS, IOWA

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| | | | | | |
|-------------|-------------|----------|----------------|--------------------------|-----|
| DESCRIPTION | | | | CART DUMPER, PERKINS, TC | |
| DRAWN BY | | DAS | SCALE | | 1:8 |
| CHK'D | ECN RELEASE | DATE | DRAWING NO. | | |
| | 02065 | 08/11/03 | 00-33241-XX-AA | | |



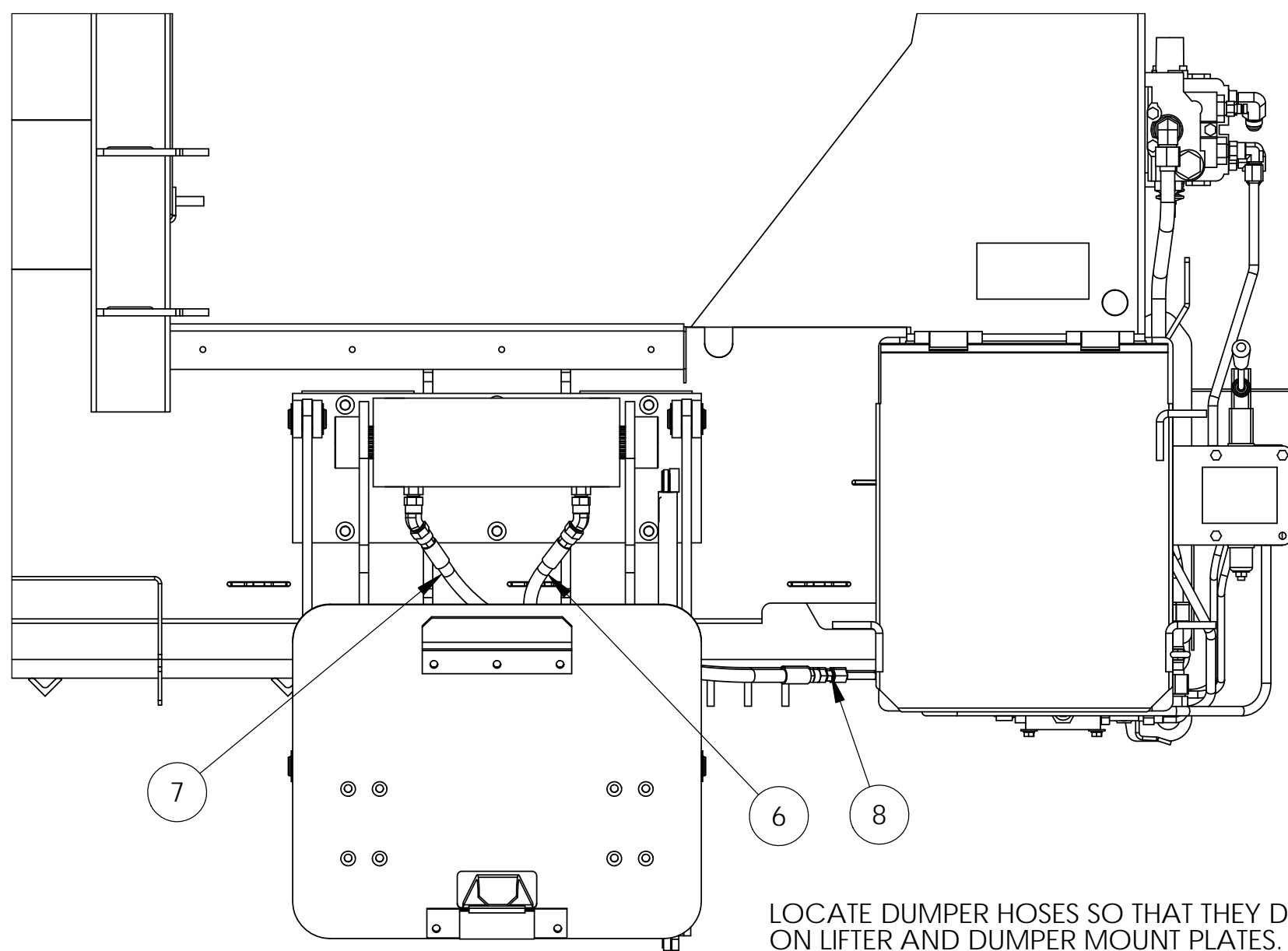
| | | | |
|----------|----------------|------|--------------------------------|
| 23 | 855-006-001 | 2 | PLUG, MALE JIC, |
| 22 | 445-006-001 | 1 | NUT, STD |
| 21 | 440-029-000 | 1 | WASHER, LOCK |
| 20 | 415-006-016 | 1 | CAPSCREW |
| 19 | 400-015-006 | 2 | CLAMP, HOSE SUPPORT |
| 18 | 00-26475-00-WA | 1 | DECAL, CONTAINER DUMP |
| 17 | 00-26479-00-WA | 1 | DECAL, DANGER, LIFT ARM RAISED |
| 16 | 445-005-004 | 2 | NUT, TAB WELD 5/16-18 |
| 15 | 485-005-002 | 2 | WASHER, STD FLAT |
| 14 | 00-38699-00-AA | 1 | TUBE ASSY, POWER BEYOND, TC |
| 13 | 00-32938-00-OA | 1 | BRKT, VALVE MOUNT, TC |
| 12 | 00-32907-00-AB | 1 | VALVE ASSY, FLOW REGULATOR, TC |
| 11 | 00-38706-02-AA | 1 | TUBE ASSY, DUMPER RAISE, TC |
| 10 | 00-38705-02-AA | 1 | TUBE ASSY, DUMPER LOWER, TC |
| 9 | 00-38698-00-AA | 1 | TUBE ASSY, PRESSURE, AC |
| 8 | 00-38687-00-OA | 1 | BRKT, VALVE MTG, TC |
| 7 | 445-005-001 | 3 | NUT, |
| 6 | 470-031-000 | 5 | WASHER, LOCK |
| 5 | 415-005-040 | 5 | CAPSCREW |
| 4 | 00-33246-01-AB | 1 | VALVE ASSY, TAP-IN-KIT, TC |
| 3 | 00-38697-00-AA | 1 | TUBE ASSY, RETURN, TC |
| 2 | 848-008-000 | 2 | ELBOW, SWIVEL NUT |
| 1 | 841-012-008 | 1 | ADAPTER, MALE O-RING |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ±.005 | | | |
| 2 PLACE DECIMALS ±.06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

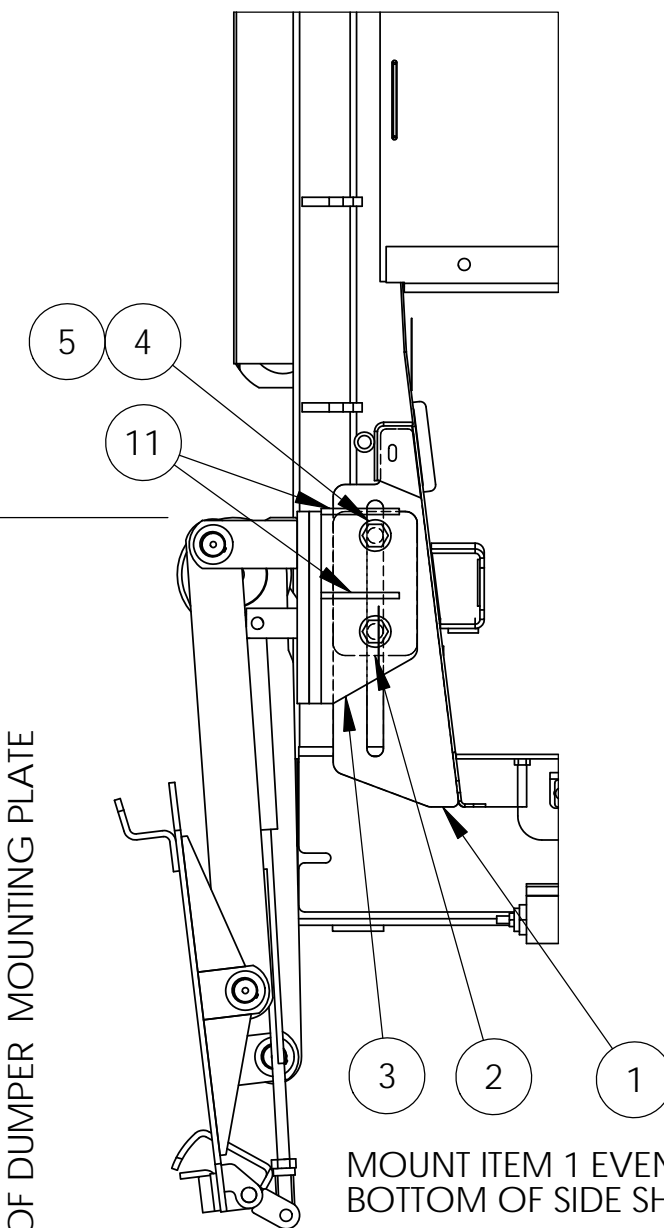
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| | | | |
|-------------|----------------------|--------------------|-------------------------------|
| DESCRIPTION | | TAP-IN KIT, RH, TC | |
| DRAWN BY | DAS | SCALE | 1:4 |
| CHK'D | ECN RELEASE 04023 | DATE | 03/13/09 |
| | | | DRAWING NO. 00-38682-02-AD |



LOCATE DUMPER HOSES SO THAT THEY DO NOT RUB ON LIFTER AND DUMPER MOUNT PLATES. USE HOSE COVER ON HOSES, RETAIN WITH TIE STRAPS



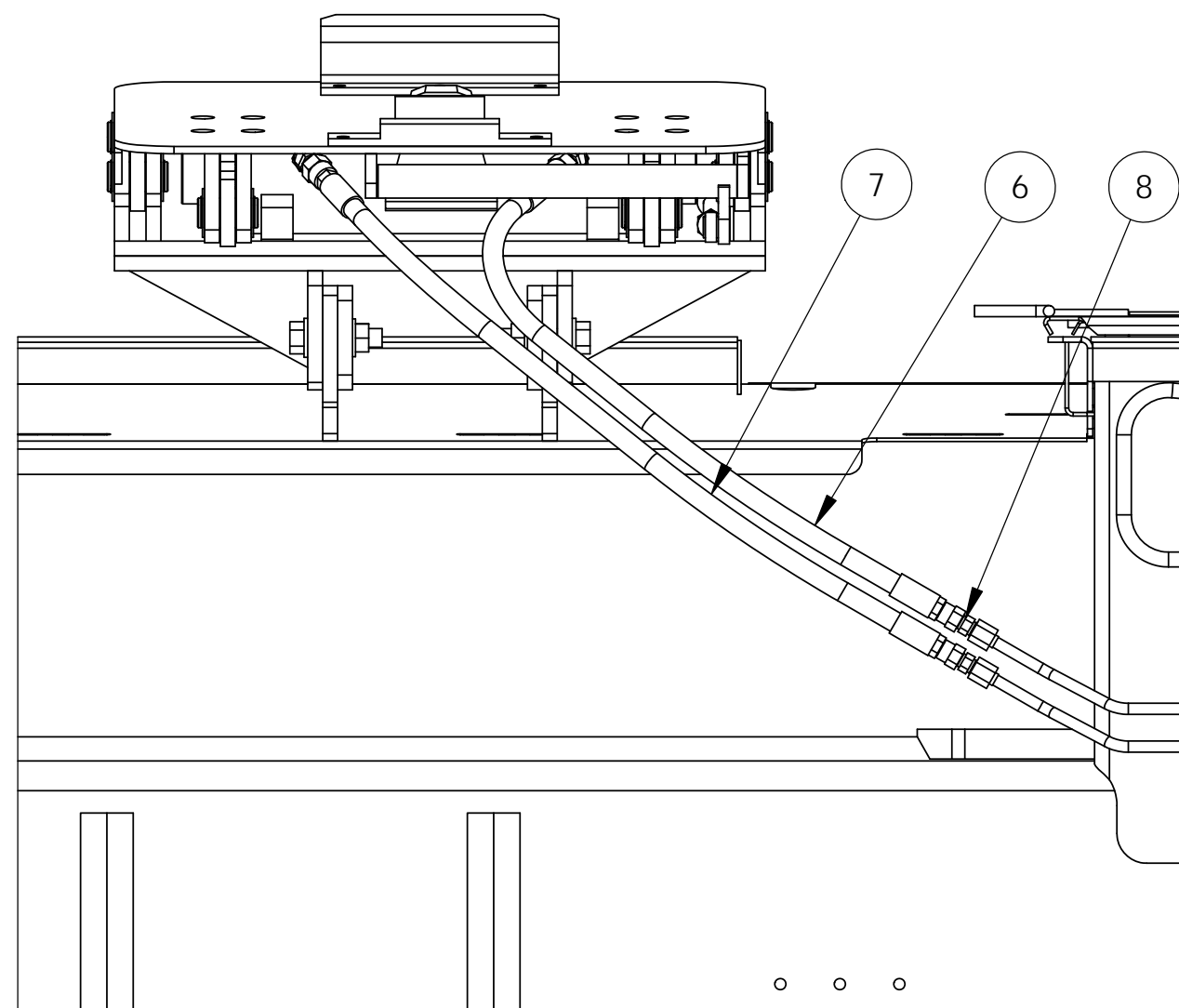
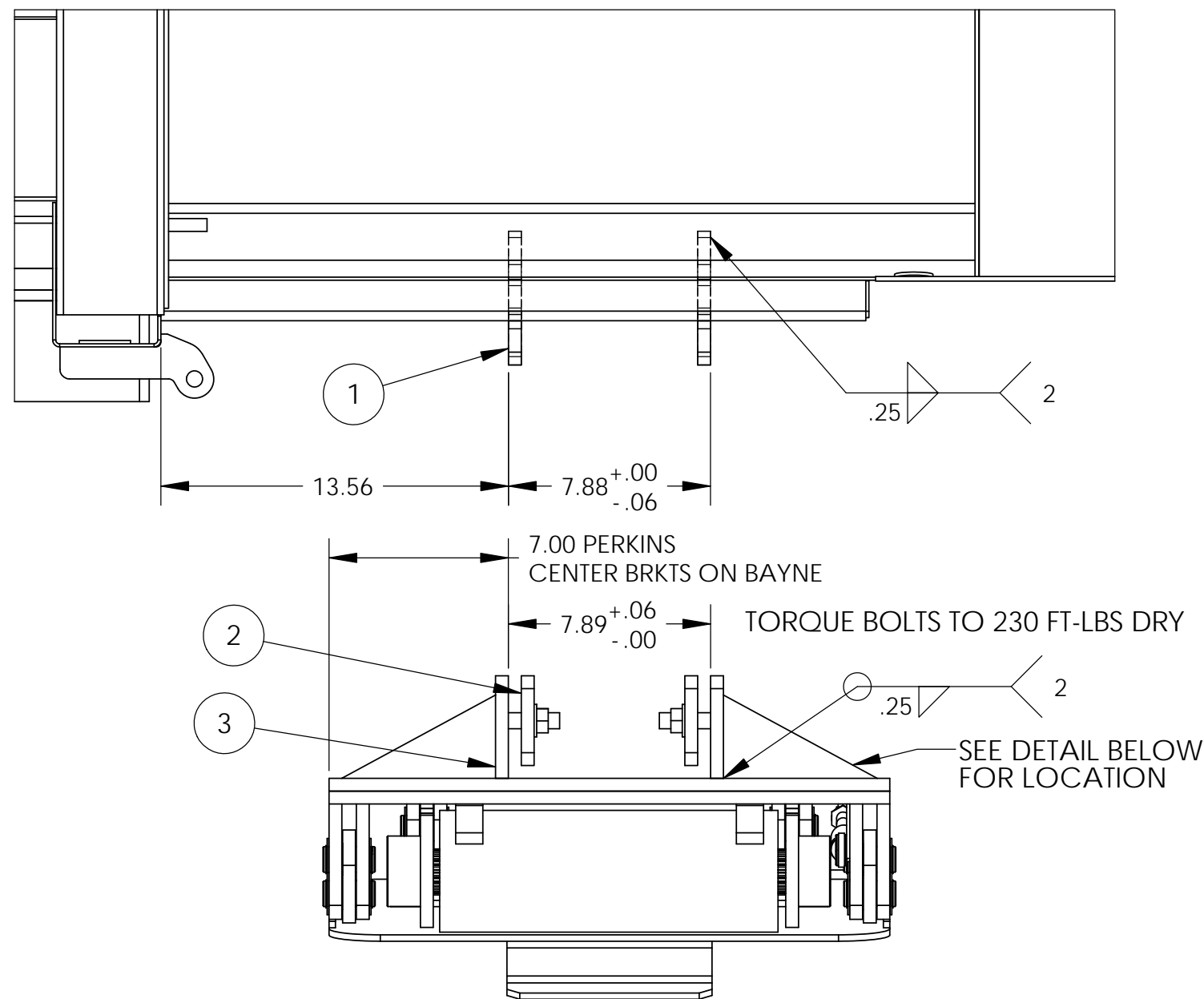
LOCATE CART DUMPER 46.00 TO 48.00 ON D6071X OR 50.00 TO 52.00 ON D6071XX FROM GROUND TO TOP OF DUMPER MOUNTING PLATE

MOUNT ITEM 1 EVEN WITH BOTTOM OF SIDE SHEET

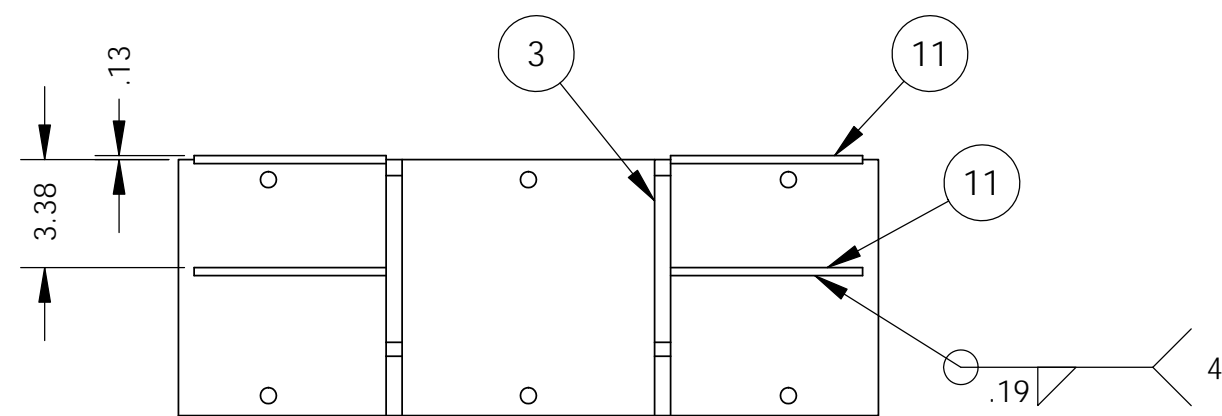
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |
|----------|----------------|------|------------------------------|
| 11 | 00-34415-00-OA | 4 | TRIANGLE, .25 X 3.25 X 6.00, |
| 10 | 430-003-000 | 4 | STRAP, TIE |
| 9 | 07-52015-00-R | 5F | HOSE COVERING |
| 8 | 843-006-000 | 2 | UNION, MALE JIC, SMALL HEX |
| 7 | G06E06E08-031 | 1 | HOSE ASSY,, |
| 6 | G06E06E08-028 | 1 | HOSE ASSY,, |
| 5 | 445-710-001 | 4 | NUT, FRAME |
| 4 | 416-710-040 | 4 | BOLT, FRAME, HEX FLANGE |
| 3 | 00-33243-00-OA | 2 | BRKT, DUMPER MOUNT, TC |
| 2 | 00-30471-00-OA | 2 | BRACKET, MOUNTING SUPPORT |
| 1 | 00-34401-00-OA | 2 | BRKT, CART DUMPER, TC |

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

| | | | |
|-----------------------------|-------------|---|----------------|
| | | ENGINEERING CORPORATION CEDAR FALLS, IOWA | |
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| DESCRIPTION | | | |
| MTG KIT, RH CART DUMPER, TC | | | |
| DRAWN BY | | SCALE | DRAWING NO. |
| DAS | | 1:8 | 00-39643-02-AB |
| CHK'D | ECN RELEASE | DATE | |
| | 04391 | 04/05/10 | |



HOSE ROUTING DETAIL



GUSSET LOCATAION DETAIL

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
| 4 | ECN | | |
| 5 | ECN | | |
| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

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| | | | |
|-------------|----------------------|-----------------------------|----------------|
| DESCRIPTION | | MTG KIT, RH CART DUMPER, TC | |
| DRAWN BY | DAS | SCALE | 1:6 |
| CHK'D | ECN RELEASE 04391 | DATE | 04/05/10 |
| DRAWING NO. | | | 00-39643-02-AB |

SAFETY VISION # SV-CLCD70RP
COLOR SAFETY VISION REAR VISION CAMERA SYSTEM WITH
AUDIO. INCLUDES MONITOR (SV-LCD70RP) ONE CAMERA (SV-620-KIT)
ONE 65' CABLE (SV-523), ALSO INCLUDES ALL HARDWARE AND
WIRING HARNESSSES FOR INSTALLATION.

CAMERA SYSTEM, COLOR SINGLE 7" ,

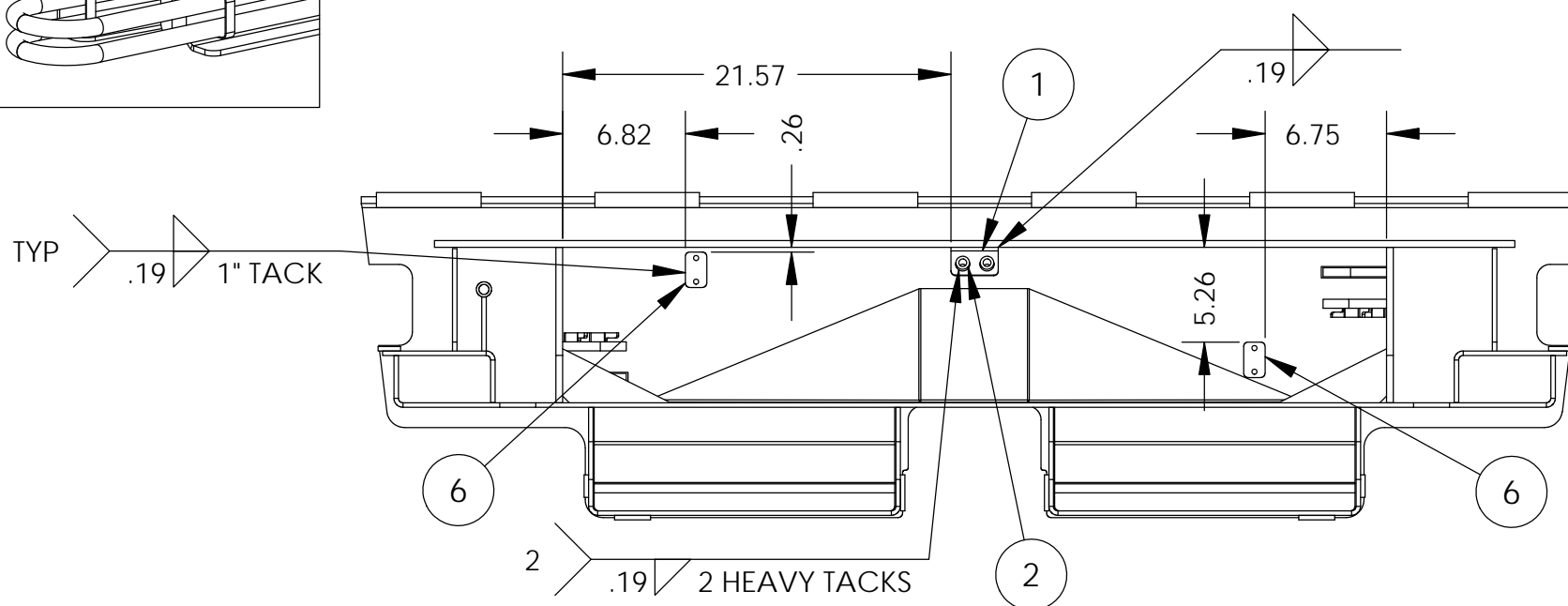
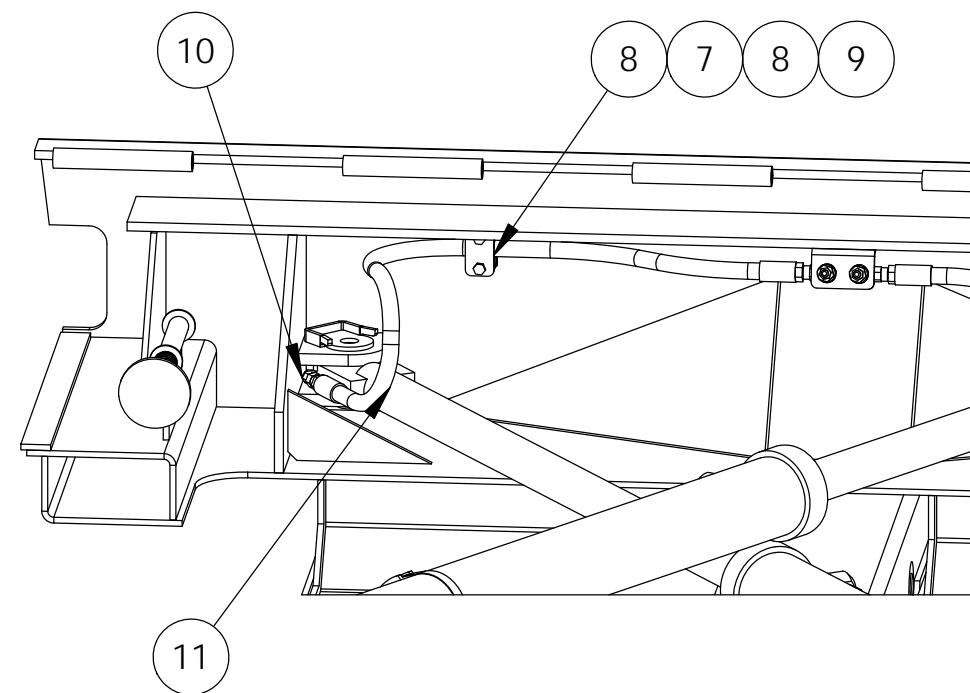
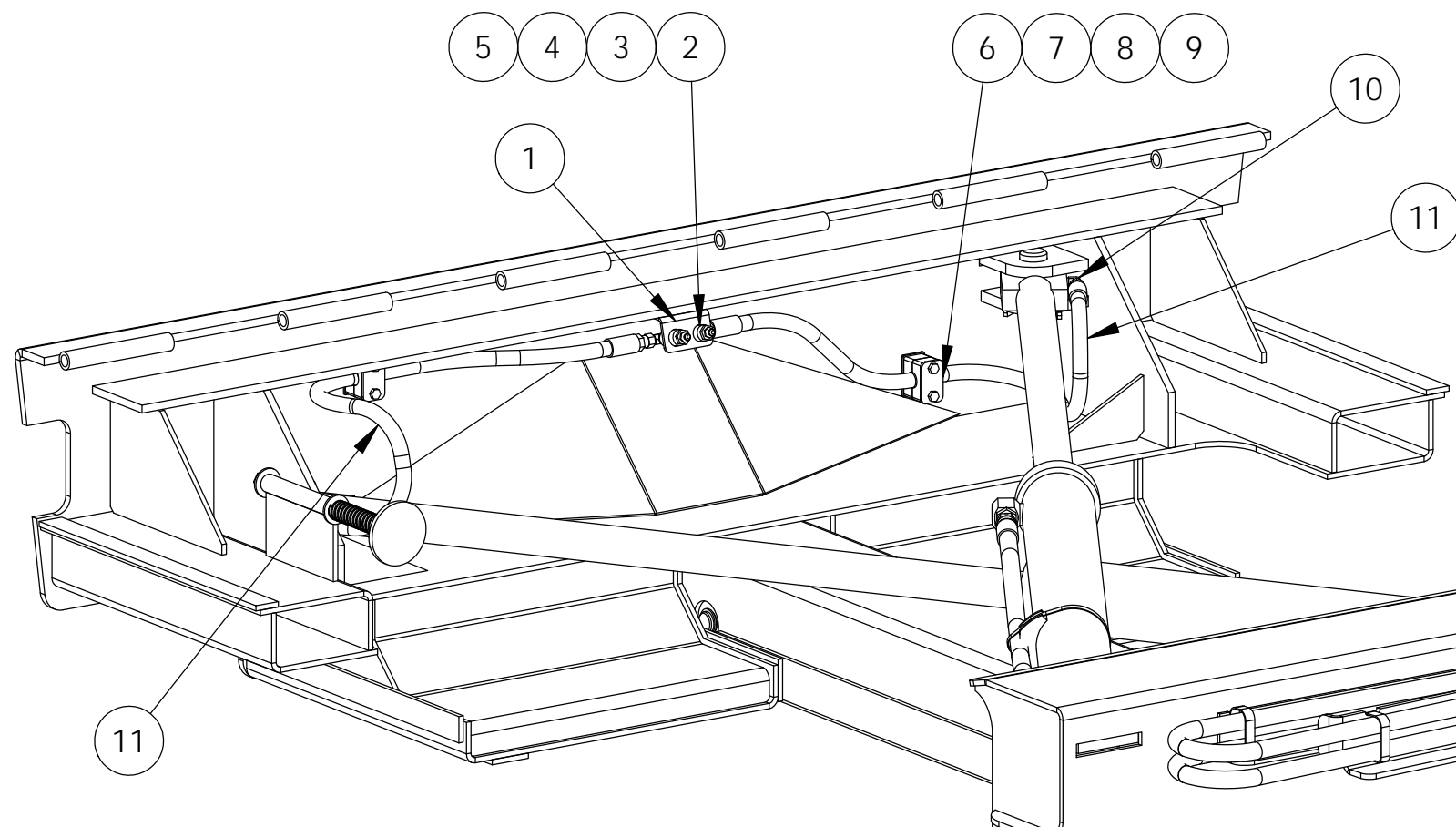
DAS

NTS

03231

08/18/06

00-32384-14-AA



| | | | |
|----------|----------------|------|----------------------------|
| 14 | G06E04E04-049 | 1 | HOSE ASSY, LUBE, TC |
| 13 | G06E04E04-030 | 1 | HOSE ASSY, LUBE, TC |
| 12 | 400-042-000 | 2 | FITTING, GREASE, 90 DEG |
| 11 | G06E04E04-037 | 2 | HOSE ASSY, LUBE, TC |
| 10 | 802-002-004 | 4 | ELBOW, MALE JIC, MALE PIPE |
| 9 | 415-004-024 | 8 | CAPSCREW |
| 8 | 432-003-016 | 4 | CLAMP SET, HOSE, 16MM |
| 7 | 432-003-001 | 4 | WELD BASE, CLAMP, 3 SIZE |
| 6 | 432-003-002 | 4 | COVER PLATE, CLAMP, 3 SIZE |
| 5 | 802-004-004 | 4 | ELBOW, MALE JIC, MALE PIPE |
| 4 | 400-041-000 | 2 | FITTING, GREASE, STRAIGHT |
| 3 | 715-004-002 | 4 | REDUCING BUSHING |
| 2 | 725-004-000 | 4 | COUPLING, FEMALE PIPE |
| 1 | 00-36842-00-OA | 2 | BRKT, GREASE BUSHING, TC |
| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |

| TOLERANCES (EXCEPT AS NOTED) | | | |
|---------------------------------|------------|----|------|
| 3 PLACE DECIMALS ± .005 | | | |
| 2 PLACE DECIMALS ± .06 | | | |
| ANGULAR ± 1° | | | |
| DIMENSIONS IN () ARE REFERENCE | | | |
| SYM | ECN NUMBER | BY | DATE |
| 1 | ECN | | |
| 2 | ECN | | |
| 3 | ECN | | |
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| 6 | ECN | | |
| 7 | ECN | | |
| 8 | ECN | | |

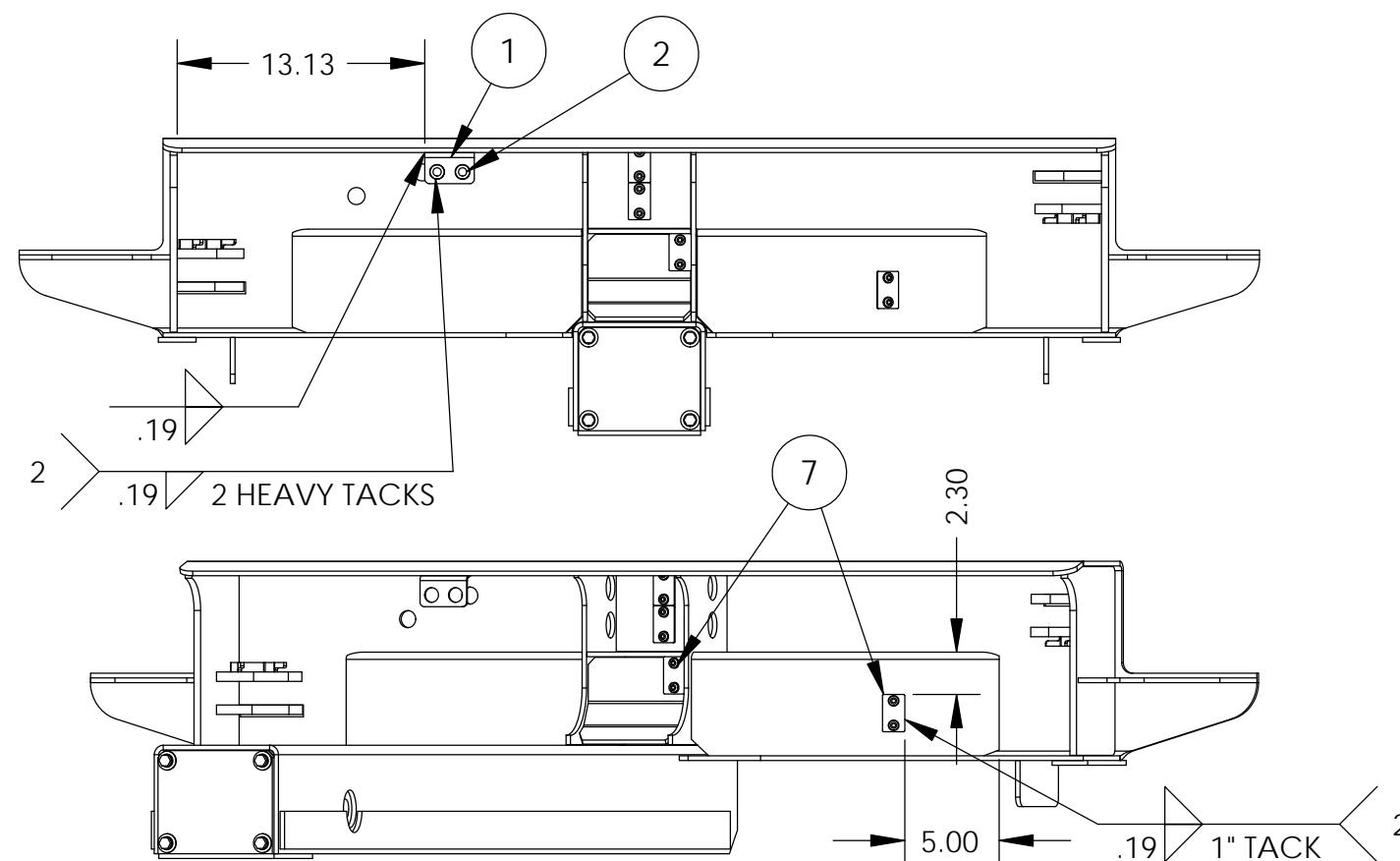
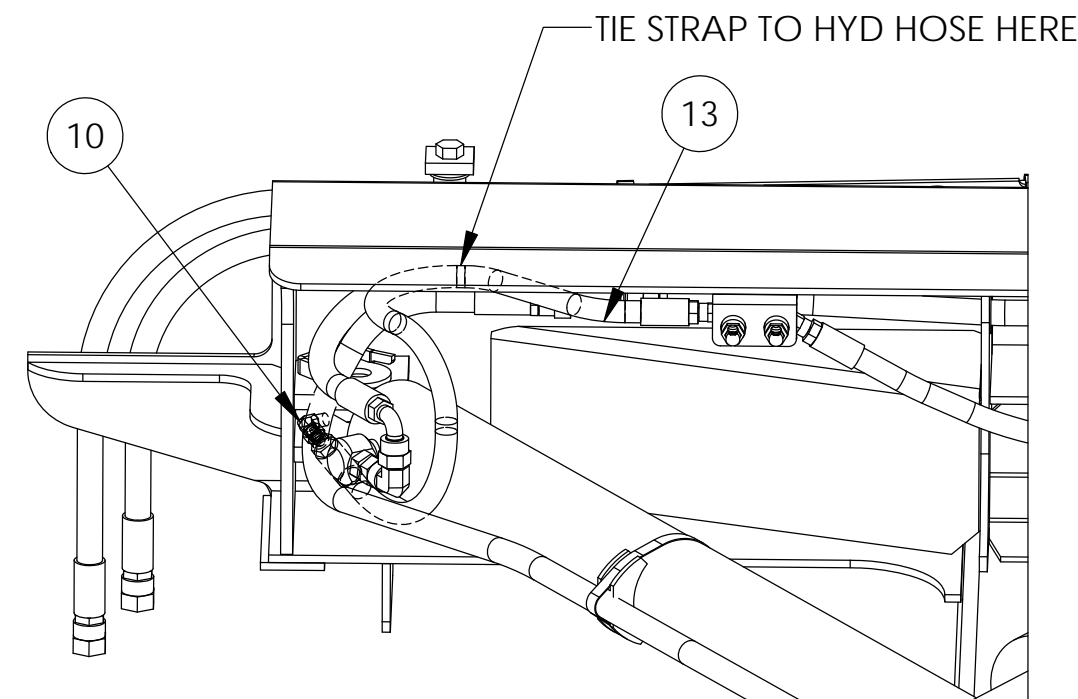
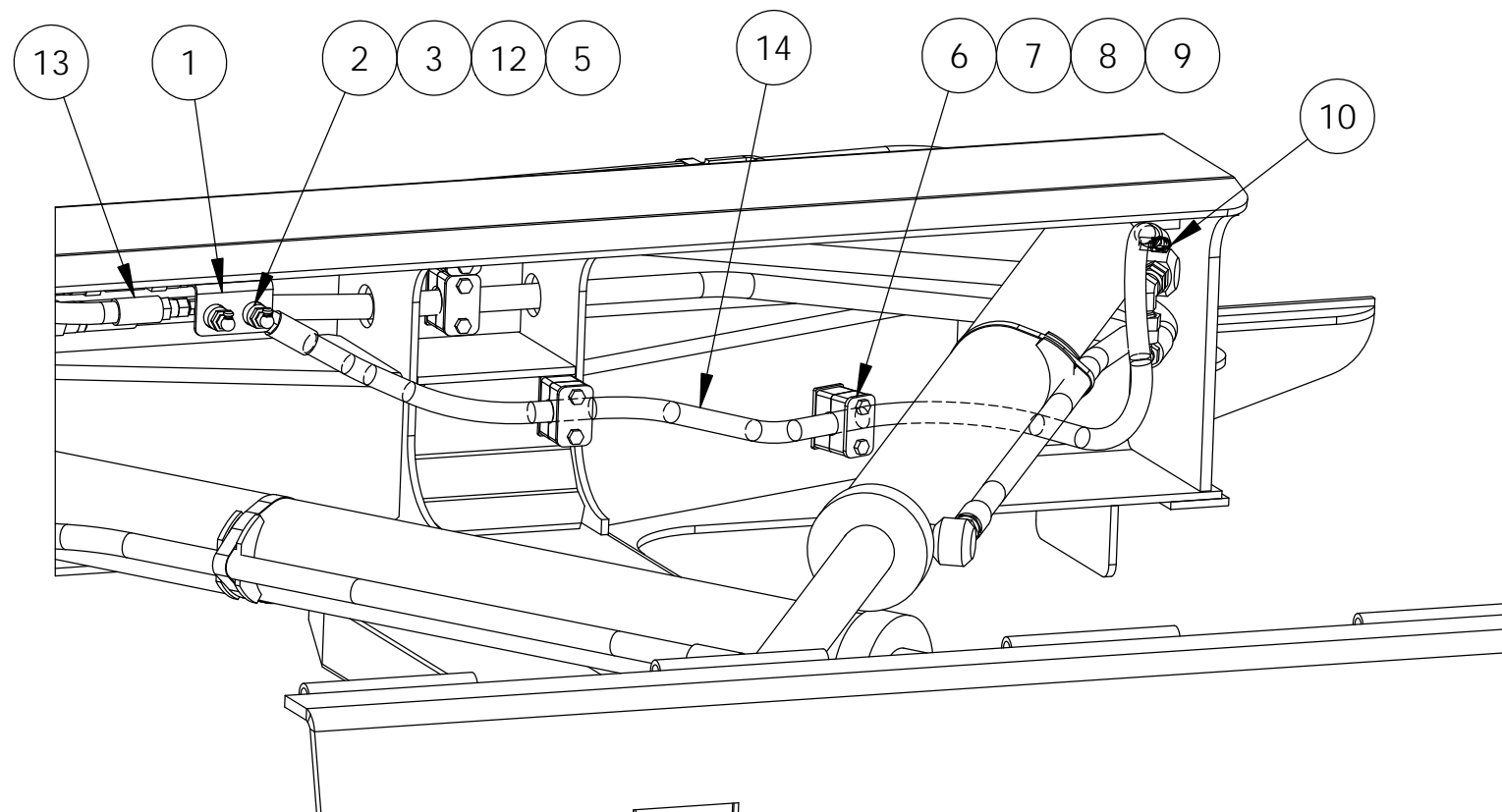
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CEDAR FALLS, IOWA

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DESCRIPTION: LUBE KIT, REMOTE PACK CYL, TC

DRAWN BY: DAS SCALE: 1:8 DRAWING NO.: 00-36841-00-AB

CHK'D: ECN RELEASE: 03345 DATE: 01/02/07



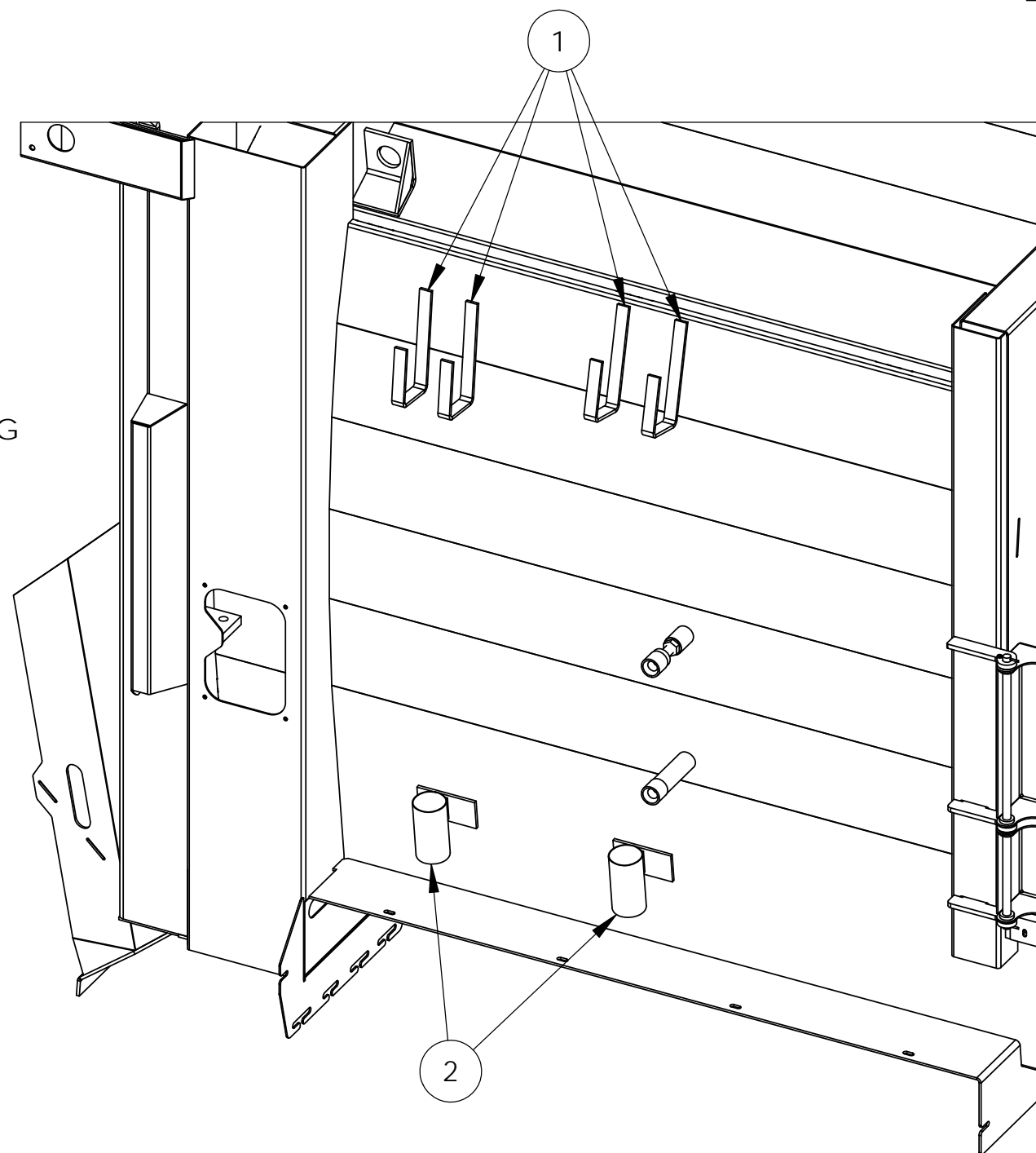
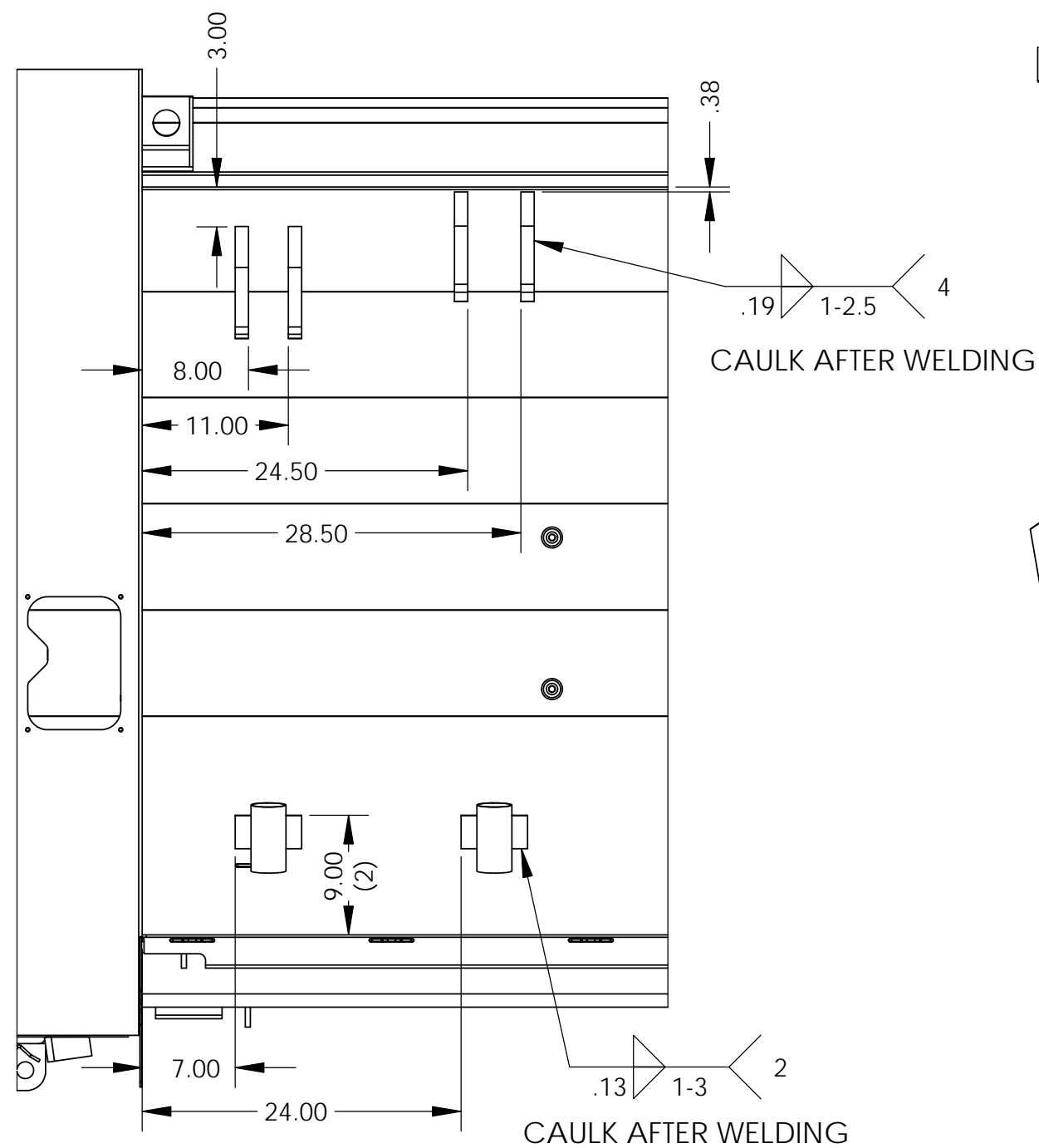
TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
| 2 | ECN | | |
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| 7 | ECN | | |
| 8 | ECN | | |

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| | | | |
|-------------------------------|-------------|----------|----------------|
| DESCRIPTION | | | |
| LUBE KIT, REMOTE PACK CYL, TC | | | |
| DRAWN BY | | SCALE | DRAWING NO. |
| DAS | | 1:6 | 00-36841-00-AB |
| CHK'D | ECN RELEASE | DATE | |
| | 03345 | 01/02/07 | |



TOLERANCES
 (EXCEPT AS NOTED)
 3 PLACE DECIMALS ± .005
 2 PLACE DECIMALS ± .06
 ANGULAR ± 1°
 DIMENSIONS IN () ARE REFERENCE

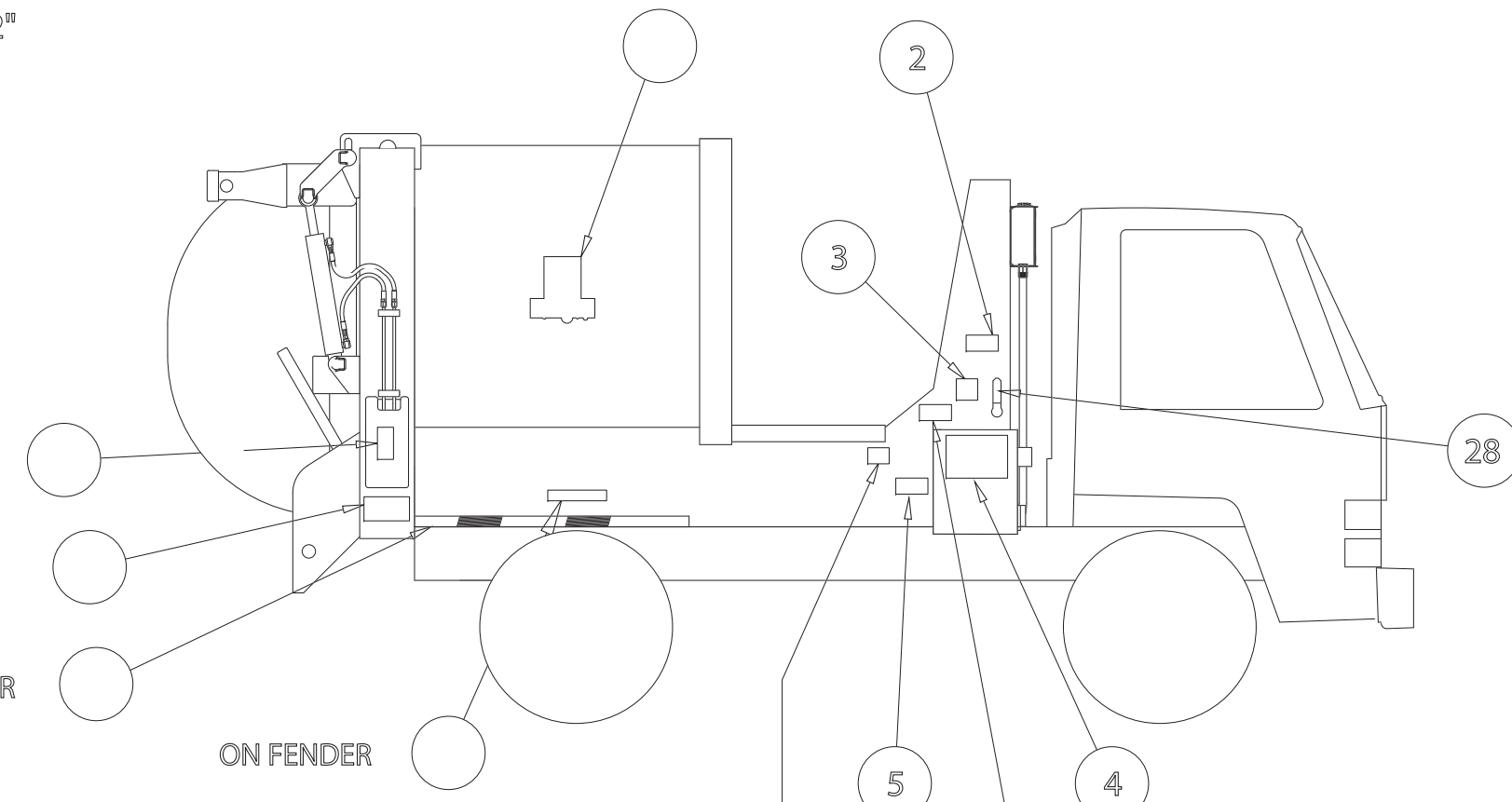
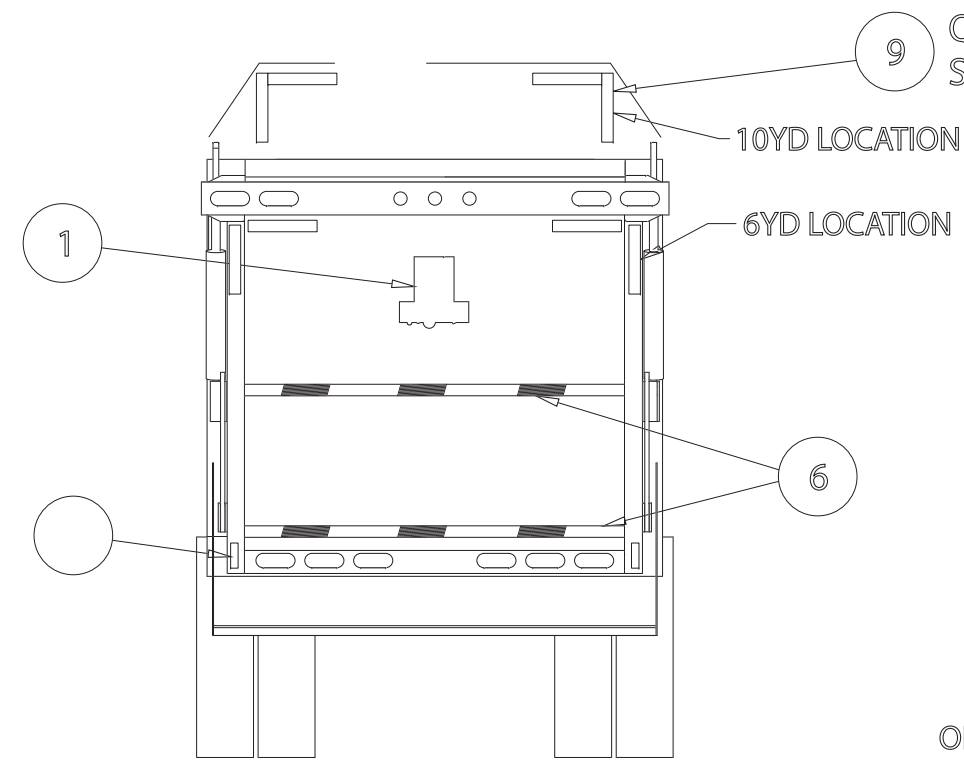
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| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|------|
| 1 | ECN | | |
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| 7 | ECN | | |
| 8 | ECN | | |

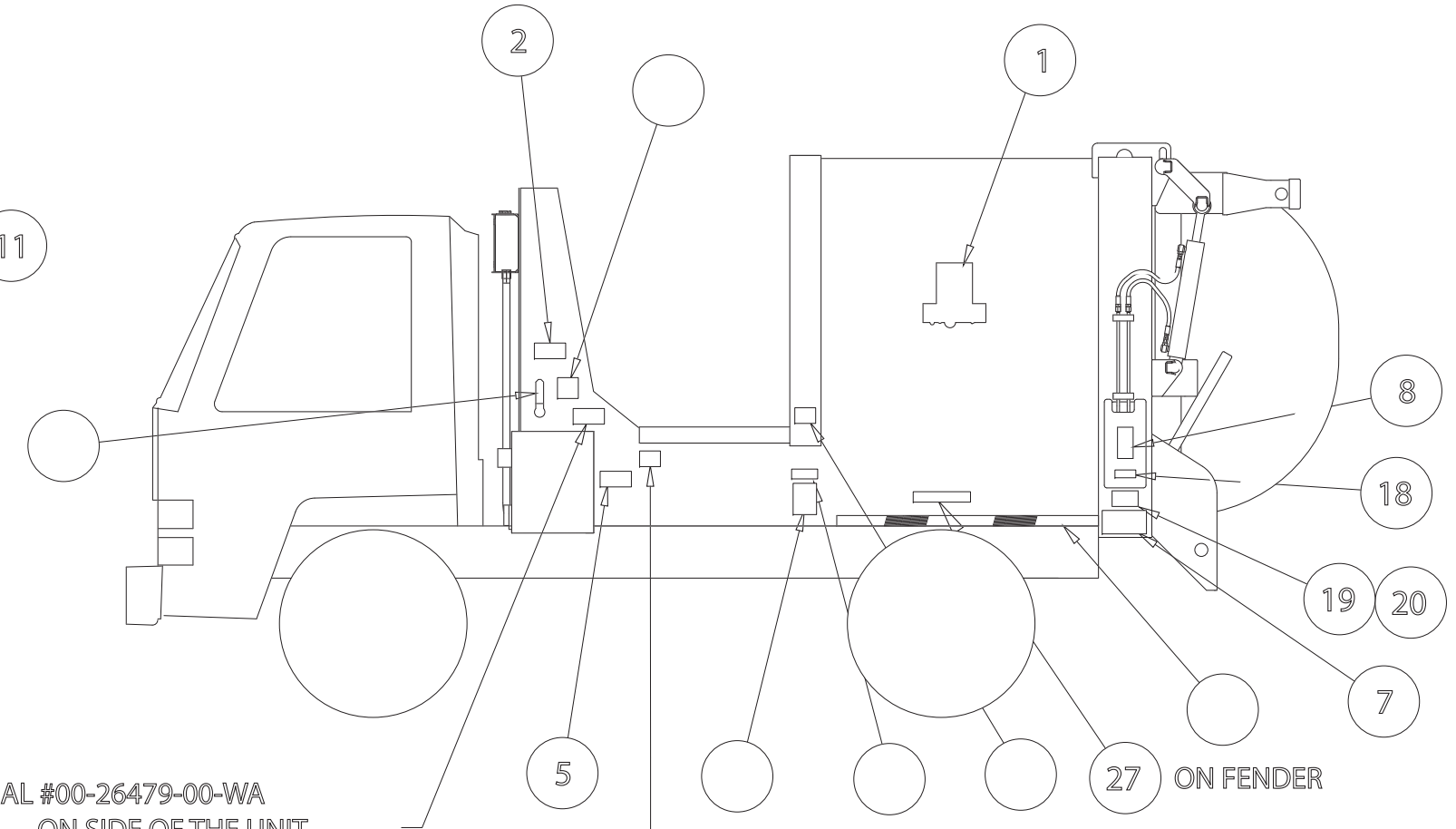
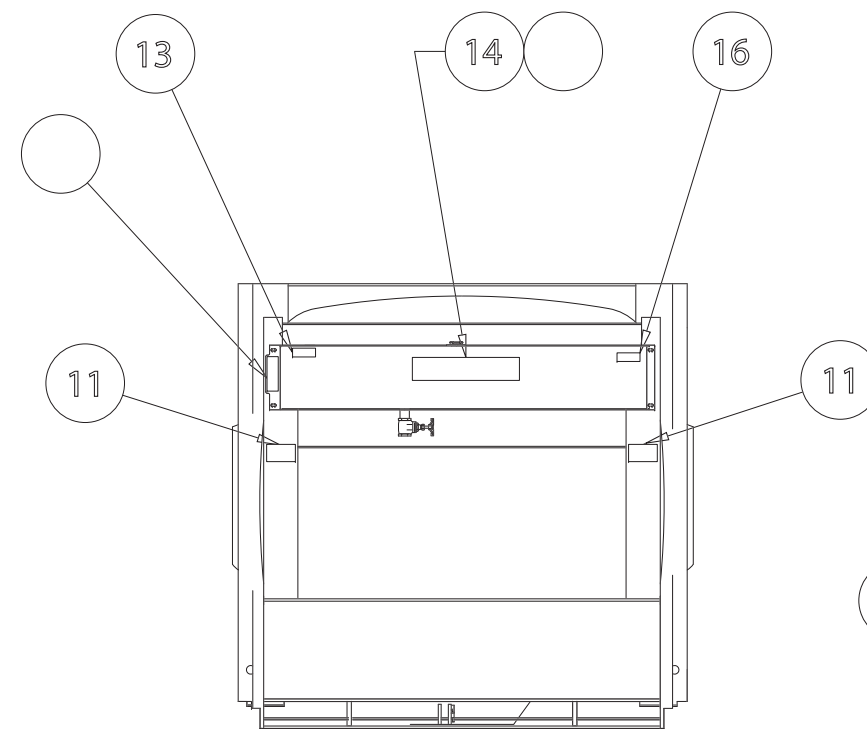
| | | | |
|-------------|----------------------|--------------------------------|----------------|
| DESCRIPTION | | HOLDER WLD, SHOVEL & BROOM, TC | |
| DRAWN BY | DAS | SCALE | 1:12 |
| CHK'D | ECN RELEASE 05114 | DATE | 02/16/12 |
| DRAWING NO. | | | 00-61318-00-AB |

| ITEM NO. | PART NUMBER | QTY. | DESCRIPTION |
|----------|----------------|------|--------------------------|
| 2 | 00-27199-01-AA | 2 | HOLDER WLD, BROOM |
| 1 | 00-29813-00-OA | 4 | BRKT, CLEAN OUT TOOL, CT |



ADD DECAL #00-26475-00-WA ON SIDES OF THE UNIT WITH A TAP-IN KIT

ADD DECAL #00-26479-00-WA ON SIDE OF THE UNIT WITH A TAP-IN KIT



ADD DECAL #00-26479-00-WA ON SIDE OF THE UNIT WITH A TAP-IN KIT

ADD DECAL #00-26475-00-WA ON SIDES OF THE UNIT WITH A TAP-IN KIT

CUT OFF THE BODY RAISE/LOWER SECTION OF THE REAR VALVE DECAL (ITEM 23).

| 28 | 400-013-000 | 2 | GRIP, HANDLE |
|-----|----------------|-----|------------------------------------|
| 27 | 00-26364-00-WA | 2 | DECAL, NO STEP |
| 26 | 00-26493-00-WA | 1 | DECAL, WARNING, VEHICLE HEIGHT |
| 25 | 00-26489-00-WA | 1 | DECAL, OVERHEAD CLEARANCE (CAB) |
| 24 | 00-26488-00-WA | 1 | DECAL, DO NOT OPERATE (CAB) |
| 23 | 00-33041-00-OB | 1 | DECAL, REAR VALVE |
| 22 | 00-33159-00-OA | 1 | DECAL, EJECT, TC |
| 21 | 00-09587-00-WA | 1 | DECAL, ENGINE ACCELERATOR |
| 20 | 00-26778-00-WA | 1 | SERIAL NUMBER PLATE |
| 19 | 450-003-005 | 4 | RIVET, POP |
| 18 | 00-26485-00-WA | 1 | DECAL, ANSI |
| 17 | 00-33042-01-OA | 1 | DECAL, PACK CONTROL, LH |
| 16 | 00-26484-00-WA | 1 | DECAL, FILTER CHANGE |
| 15 | 00-17895-02-WA | 1 | DECAL, WAYNE LOGO |
| 14 | 00-17895-01-WA | 1 | DECAL, WAYNE LOGO |
| 13 | 00-26492-00-WA | 1 | DECAL, OIL LEVEL |
| 12 | 00-26491-00-WA | 1 | DECAL, HYD. FLUID ONLY |
| 11 | 00-26482-00-WA | 2 | DECAL, DO NOT ENTER |
| 10 | 332-010-003 | 2 | REFLECTOR, RED |
| 9 | 07-11032-00-R | 4F | DECAL, CONSPICUITY TAPE, WHITE |
| 8 | 00-26490-00-OA | 2 | DECAL, DANGER, STAND CLEAR |
| 7 | 00-34410-00-OA | 2 | DECAL, TG PROP, TC |
| 6 | 07-11032-01-R | 24F | DECAL, REFLECTIVE CONSPICUITY TAPE |
| 5 | 00-26478-00-WA | 2 | DECAL, WARNING, CLEAN-OUT DOOR |
| 4 | 00-33039-00-OC | 1 | DECAL, LUBRICATION |
| 3 | 00-33042-02-OA | 1 | DECAL, PACK CONTROL, RH |
| 2 | 00-26849-00-OA | 2 | DECAL, DANGER, BODY ENTRY |
| 1 | 00-30619-00-WA | 3 | DECAL, TOMCAT |
| SYM | PART NUMBER | QTY | NAME |

26
25
24
IN-CAB

ECN 02968 DAS 07/27/05

DECAL KIT, BUSTLE, TC

DAS

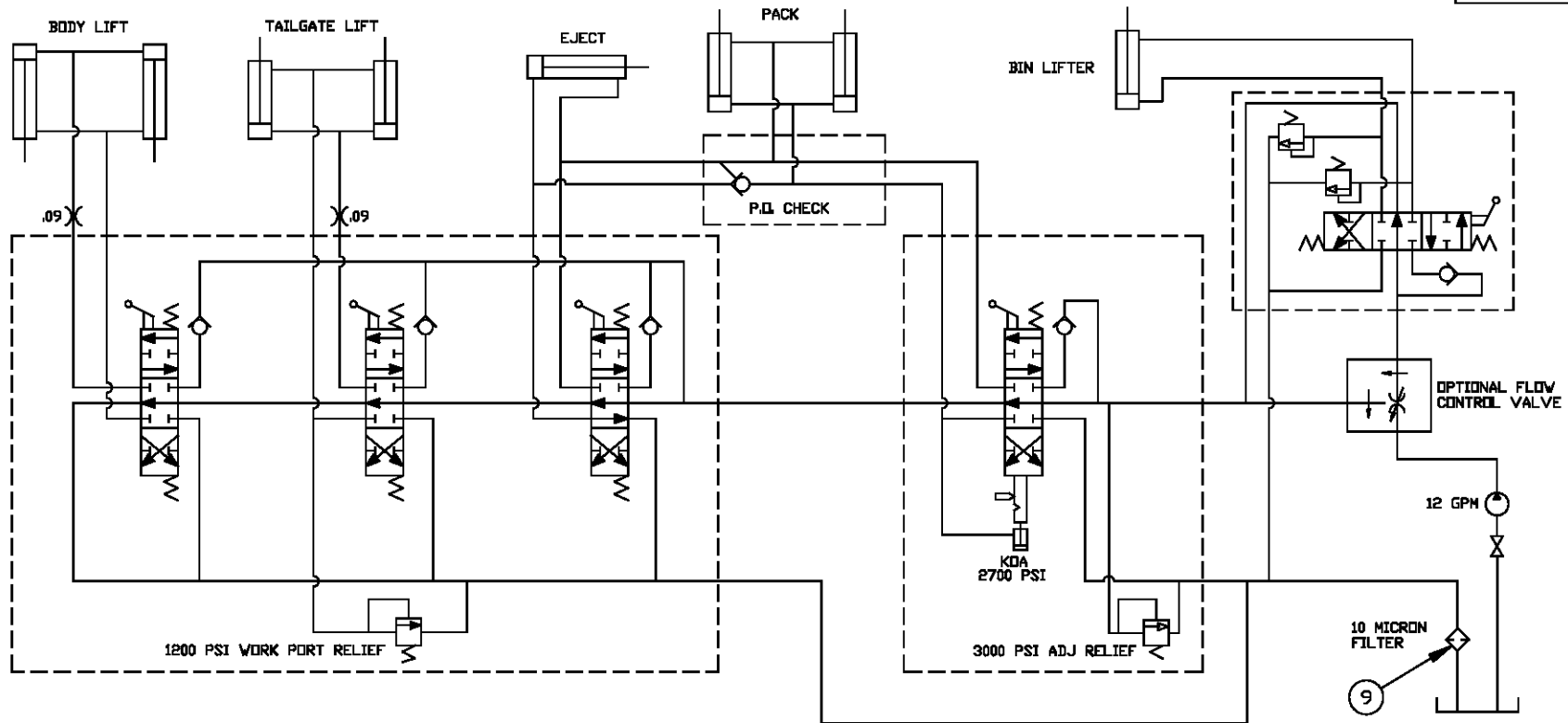
132

02804

02/09/05

00-33043-01-AC

00-33698-00-MB



TOLERANCES
 (EXCEPT AS NOTED)
 3 PLACE DECIMALS ± .005
 2 PLACE DECIMALS ± .06
 ANGLES ± 1°
 DIMENSIONS IN () ARE REFERENCE

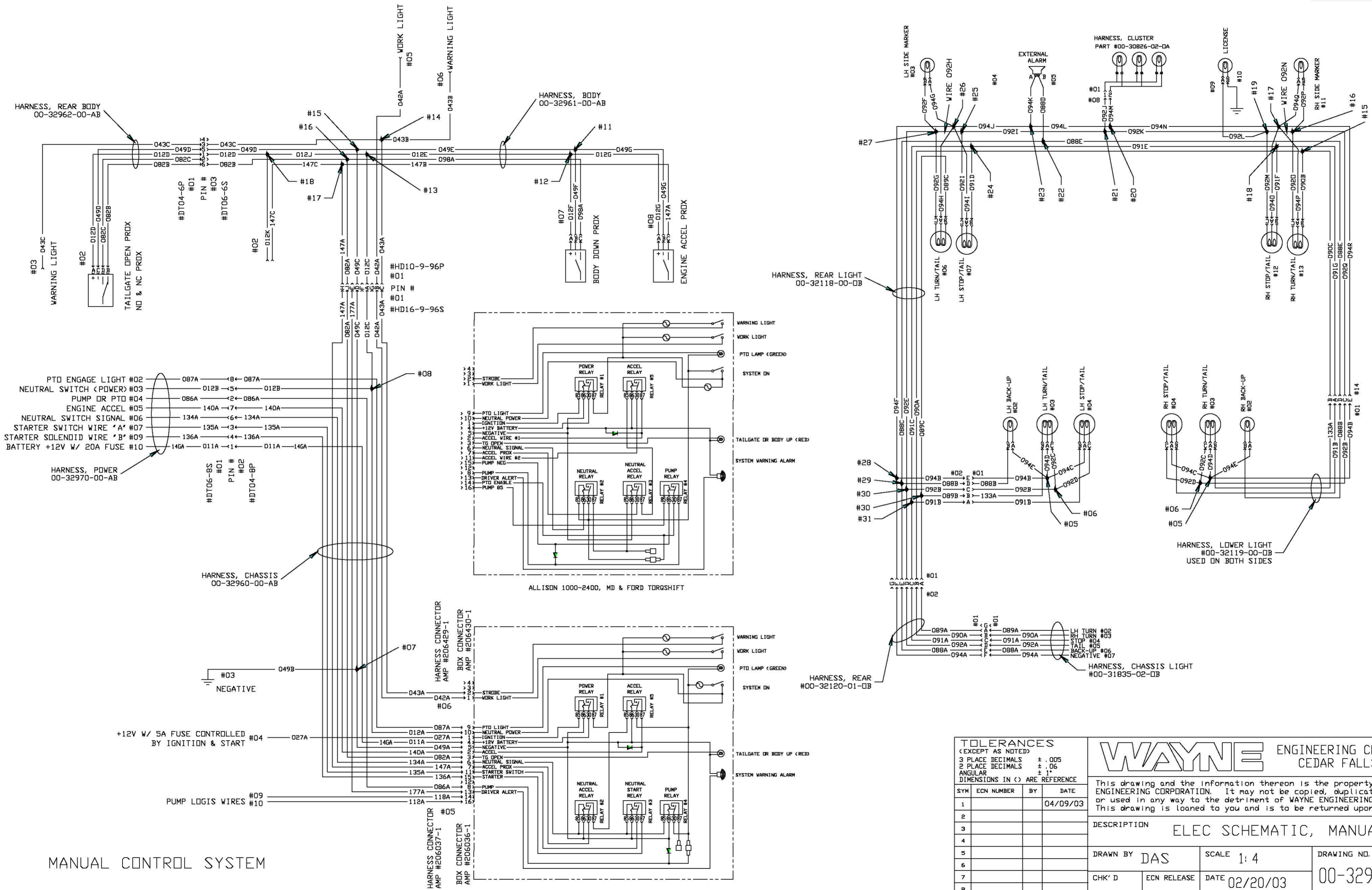
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 CEDAR FALLS, IOWA

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| SYN | EDN NUMBER | BY | DATE |
|-----|------------|----|----------|
| 1 | | | 2/19/03 |
| 2 | | | 11/02/06 |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |

DESCRIPTION **HYD SCHEMATIC, MANUAL TOMCAT**

| | | | | | |
|----------|-------------|-------|----------|-------------|----------------|
| DRAWN BY | DAS | SCALE | NONE | DRAWING NO. | 00-33698-00-MB |
| CHK'D | EDN RELEASE | DATE | 12/06/02 | | |



MANUAL CONTROL SYSTEM

TOLERANCES
(EXCEPT AS NOTED)
3 PLACE DECIMALS ± .005
2 PLACE DECIMALS ± .06
ANGULAR ± 1°
DIMENSIONS IN () ARE REFERENCE

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| SYM | ECN NUMBER | BY | DATE |
|-----|------------|----|----------|
| 1 | | | 04/09/03 |
| 2 | | | |
| 3 | | | |
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DESCRIPTION
ELEC SCHEMATIC, MANUAL TC

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|----------|-------------|-------|----------|-------------|----------------|
| DRAWN BY | DAS | SCALE | 1: 4 | DRAWING NO. | 00-32963-00-MD |
| CHK'D | ECN RELEASE | DATE | 02/20/03 | | |

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