

BID DOCUMENTS
FOR
HEAVY DUTY TWIN POST VEHICLE LIFT



CITY OF OWOSSO
301 W. MAIN STREET
OWOSSO, MICHIGAN 48867

June 6, 2023

NOTICE TO BIDDERS
HEAVY DUTY TWIN POST VEHICLE LIFT
FOR THE CITY OF OWOSSO, MICHIGAN

Sealed bid proposals will be received by the city of Owosso for **HEAVY DUTY TWIN POST VEHICLE LIFT** and should be addressed to:

Bid Coordinator
City of Owosso,
301 W. Main,
Owosso, Michigan 48867.

Sealed bids will be accepted until **3:00 p.m. Tuesday, June 13, 2023**, for the **HEAVY DUTY TWIN POST VEHICLE LIFT** at which time bids will be publicly opened and read aloud.

All bids must be in writing and must contain an original signature by an authorized officer of the firm. Electronic bids (i.e., telephonic, FAX, etc.) are **NOT** acceptable. All bids shall clearly contain on the outside of the **sealed** envelope in which they are submitted: **HEAVY DUTY TWIN POST VEHICLE LIFT**.

The proposal, contract forms and specifications are on file and may be obtained for a fee in accordance with the city's FOIA Policy at the office of the Bid Coordinator, at City Hall, 301 W. Main St. Owosso, Michigan, on our website at www.ci.owosso.mi.us or on the MITN website www.mitn.info

The city reserves the right to accept any proposal; or to reject any proposal; to waive irregularities in a proposal; or to negotiate if it appears to be in the best interest of the city of Owosso.

INQUIRIES/ADDENDUMS

Addendums will be available on the city's website at www.ci.owosso.mi.us and on the MITN website at www.mitn.info

All inquiries regarding this bid must be received at least 5 calendar days prior to the submission. Inquiries shall be received in, and responded to, in writing via FAX at 989-723-8854 or by email to: thomas.wheeler@ci.owosso.mi.us

INSTRUCTIONS TO BIDDERS

1. Each proposal must be signed by the bidder with his usual signature. Bids by partnerships should be signed with the partnership name by one of the members of the partnership or by an authorized representative, followed by the signature and title of the person signing. Proposals by corporations must be signed with the name of the corporation, followed by the signature and designation of the president, vice-president or person authorized to bind it in the matter. **Any paperwork not filled out properly or signed will cause the bid to be considered non-responsive and shall be rejected by the city.**
2. Proposals, to receive consideration, must be received prior to the specified time of opening and reading as designated in the invitation.
3. Bidders are requested to use the proposal form furnished by the city when submitting their proposals. Envelopes must be **sealed** when submitted and clearly marked on the outside indicating the name of the bid.
4. Proposals having erasures or corrections thereon may be rejected unless explained or noted over the signature of the bidder.
5. References in the specifications or description of materials, supplies, equipment, or services to a particular trade name, manufacturer's catalog, or model number are made for descriptive purposes to guide the bidder in interpreting the type of materials or supplies, equipment, or nature of the work desired. They should not be construed as excluding proposals on equivalent types of materials, supplies, and equipment or for performing the work in a manner other than specified. However, the bidders' attention is called to General Condition seven (7).
6. Proposals should be mailed or delivered to: Bid Coordinator's Office, City Hall, 301 W. Main Street, Owosso, MI 48867.
7. Special conditions included in this inquiry should take precedence over any conditions listed under General Conditions or Instructions to Bidders.
8. Insurance coverage – The winning bidder, prior to execution of the contract, shall file with the city copies of completed certificates of insurance naming the city of Owosso as an additional insured party, as evidence that the contractor carries adequate insurance satisfactory to the city.
9. The city of Owosso has a local preference policy for the purchase of goods and services. The policy in part states: *A business located within the city limits and paying real or personal property taxes to the city of Owosso will be granted a six percent (6%) bid advantage or \$2,500, whichever is less, over a business located outside Shiawassee County. A business located outside the city limits but within Shiawassee County and paying property taxes to the county will be granted a three percent (3%) bid advantage or \$2,500, whichever is less, over a business located outside Shiawassee County. The preference also applies to subcontractors performing twenty-five percent (25%) or more of the work of a general contract.*
10. **The following items must be included with the bid response:**
 - a. **Bid Proposal**
 - b. **Signature Page & Legal Status/Acknowledgement of Addendum(s)**
 - c. **Local Preference Affidavit**
 - d. **W-9 Request for Taxpayer ID No. and Certification**

BID Proposal

HEAVY DUTY TWIN POST VEHICLE LIFT

TO: THE CITY OF OWOSSO (HEREINAFTER CALLED THE "CITY")

Bidder must provide pricing for each item listed. If additional pricing elements are being offered by the bidder, they are to be listed under "other services/items offered."

The undersigned, having examined the bid proposal forms and specifications, does hereby offer NEW HEAVY DUTY TWIN POST VEHICLE LIFT, as listed below at the following prices to wit:

Item	Description	QTY	LUMP SUM TOTAL
1	HEAVY DUTY TWIN POST VEHICLE LIFT (Including Delivery)	1	
	LEAD TIME FOR DELIVERY		

VARIANCE FROM SPECIFICATIONS: If the bidder is unable to comply with the specifications as outlined, the bidder shall clearly note these variations from the specifications. The bidder may also propose additions to these specifications for the city to consider, but the costs associated with these additions shall be stated separately. The city may award this contract based on any combination of the total bid and/or alternatives.

OTHER SERVICES/ITEMS OFFERED:

SIGNATURE PAGE AND LEGAL STATUS

On behalf of _____, I hereby submit this proposal for **HEAVY DUTY TWIN POST VEHICLE LIFT** for your consideration. The undersigned acknowledges that this proposal is subject to the General Conditions and the General Specifications included in the contract documents. The undersigned certifies that he is an official legally authorized to bind his firm and to enter into a contract should the city accept this proposal.

Bid proposal by (Name of Firm): _____

Legal status of bidder.

Please check the appropriate box and USE CORRECT LEGAL NAME.

Corporation

State of Incorporation: _____

Partnership

List of names: _____

DBA

State full name: _____

Other

Explain: _____

Signature of Bidder: _____

Title: _____

Signature of Bidder: _____

Title: _____

Address: _____

City, Zip: _____

Telephone: _____

Email Address: _____

Signed this

Day of

2023

Bidder acknowledges receipt of the following Addenda:

ADDENDUM NO: _____

BIDDER'S INITIALS: _____

GENERAL CONDITIONS

1. LOCAL PREFERENCE POLICY

The city of Owosso has a local preference policy for the purchase of goods and services. The policy in part states: *A business located within the city limits and paying real or personal property taxes to the city of Owosso will be granted a 6% bid advantage or \$2,500, whichever is less, over a business located outside Shiawassee County. A business located outside the city limits but within Shiawassee County and paying property taxes to the county will be granted a 3% bid advantage or \$2,500, whichever is less, over a business located outside Shiawassee County. The preference also applies to subcontractors performing 25% or more of the work of a general contract.*

2. BID ACCEPTANCE

The city reserves the right to reject any or all proposals. Unless otherwise specified, the city reserves the right to accept any item in the proposal. In case of error in extending the total amount of the bid, the unit prices shall govern.

3. PAYMENT

Unless otherwise stated by the bidder, time, concerning discount offered, will be computed from date of delivery and acceptance at destination or from date correct bill or claim voucher properly certified by the contractor is received. When so stated herein, partial payments, based on a certified approved estimate by the city of materials, supplies or equipment delivered or work done, may be made upon presentation of a properly-executed claim voucher. The final payment will be made by the city when materials, supplies, equipment or the work done have been fully delivered or completed to the full satisfaction of the city.

4. BID DEFAULT

In case of default by the bidder or contractor, the city of Owosso may procure the articles or services from other sources and hold the bidder or contractor responsible for any excess cost occasioned thereby.

5. UNIT PRICES

Prices should be stated in units of quantity specified.

6. QUOTED PRICES

Unless otherwise stated by the bidder, prices quoted will be considered as being based on delivery to a designated destination and to include all charges for packing, crating, containers, shipping, etc., and being in strict accordance with specifications and standards as shown.

7. SUBSTITUTIONS

Wherever a reference is made in the specifications or description of the materials, supplies, equipment, or services required, to a particular trade name, manufacturer's catalog, or model number, the bidder, if awarded a contract or order, will be required to furnish the particular item referred to in strict accordance with the specifications or description unless a departure or substitution is clearly noted and described in the proposal.

8. HOLD CITY HARMLESS

The bidder, if awarded an order or contract, agrees to protect, defend, and save the city harmless against any demand for payment for the use of any patented material, process, article, or device that may enter into the manufacture, construction, or form a part of the work covered by either order or contract. Bidder further agrees to indemnify and save the city harmless from suits or action of every nature and description brought against it, for or on account of any injuries or damages received or sustained by any party or parties, by or from any of the acts of the contractor, his employees, subcontractors, or agents.

9. COMPETITIVE BIDDING STATUTES

The laws of the state of Michigan, the charter and ordinances of the city of Owosso, as far as they apply to the laws of competitive bidding, contracts and purchases, are made a part hereof.

10. SAMPLES

Samples, when requested, must be furnished free of expense to the city and, if not destroyed, will upon request be returned at the bidder's expense.

11. EQUAL EMPLOYMENT OPPORTUNITY AND OTHER CLAUSES

The contractor shall agree not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined by Michigan Compiled Statutes, or national origin. This provision shall include but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, and selection for training including apprenticeship. The contractor further agrees to take affirmative action to ensure equal employment opportunities for persons with disabilities. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provision of the non-discrimination clause.

LOCAL PREFERENCE POLICY

The following affidavit should be completed if a bidder is located within Shiawassee County or intends to sub-contract more than twenty-five percent (25%) to a Shiawassee County based business: The city of Owosso has a local preference policy for the purchase of goods and services as recorded in the city ordinance in section 2-348. "Lowest qualified bidder" defined.

1. The term "lowest qualified bidder," as used in this division, shall mean the lowest bidder having qualifications to perform the work which are satisfactory to the council. The lowest bidder shall be determined based on an adjusted bid tabulation which shall be prepared in the following manner: To the bid of any bidder which is neither a city-based business nor a county-based business shall be added an amount equal to six (6) percent of the bid or two thousand five hundred dollars (\$2,500.00), whichever is less.
2. To the bid of any bidder which is a county-based business shall be added an amount equal to three (3) percent of the bid or two thousand five hundred dollars (\$2,500.00), whichever is less; provided, however, that if no bid is received from a city-based business, no additional amount shall be added to the bid of a county-based business.
3. "Owosso-based business" shall be interpreted to mean a business registered with the county clerk or a corporation registered with the state having a business address within the city limits which pays real and/or personal property taxes levied by the city.
The term "county-based business" shall be interpreted to mean a business other than a city-based business registered with the county clerk or a corporation registered with the state having a business address within the county which pays real and/or personal property taxes levied by the county.
4. If twenty-five (25) percent or more of a contract for construction or other services is to be subcontracted by a city-based business bidder to a non-city-based business or businesses, or by a county-based business bidder to a non-county-based business or businesses, the adjusted bid shall be calculated by applying the provisions of this section separately to each portion of the contract based on the status of the contractor or subcontractor performing that portion of the contract as a city-based or county-based business.

AFFIDAVIT

In accordance with Section 2-348 of the Owosso city code, the bid from a business located in Shiawassee County shall be adjusted to reflect a preference. In order for the city to calculate the adjustment, the bidder hereby deposes and states that their business address is registered, and is currently paying real and/or personal property taxes in Shiawassee County at the following address:

Registered business address

The affiant further deposes and states that a sub-contract with a business registered, and paying real and/or personal property taxes in Shiawassee County will be executed for a percentage equal to or greater than twenty-five percent (25%) as stated below:

Business name and address of sub-contractor

Percentage of contract

..

Authorized signature

Title

Company name

GENERAL SPECIFICATIONS - NEW HEAVY DUTY TWIN POST VEHICLE LIFT

LIFT CONFIGURATION:	COMPLY	EXCEPTION
NEW CONDITION ONLY - 2 POST LIFT, CERTIFIED 16,000LB CAPACITY		
COMPLETE LIFT ASSEMBLY SHALL CONSIST OF AN ELECTRIC OVER HYDRAULIC LIFT UNIT, CONTROLS, AND ANY ACCESSORIES AS SPECIFIED HEREIN		
LIFTING HEIGHT WILL BE 72" MINIMUM MEASURED FROM THE FLOOR TO BOTTOM OF SWING ARM WHEN THE LIFT IS AT FULL HEIGHT.		
GRAVITY ACTIVATED LOCKS IN EACH COLUMN; WORKING INDEPENDENTLY OF EACH OTHER SHALL START LOCKING AT A MINIMUM OF FIVE (5) INCHES OFF THE FLOOR. THE MECHANICAL LOCKS IN EACH COLUMN WILL ENGAGE EVERY THREE (3) INCHES THEREAFTER TO FULL LIFTING HEIGHT. LOCKS THAT START AT MORE THAN 5" WILL NOT BE ACCEPTABLE		
THE LOCK BODY WILL BE MADE OF 1" THICK, A-36 GRADE STEEL MEASURING 4"X6".		
EACH INDIVIDUAL LOCKING DEVICE SHALL BE CAPABLE OF SUPPORTING THE ENTIRE RATED LOAD OF THE LIFTING LEG.		
THE LOCKING MECHANISM SHALL BE MECHANICALLY OPERATED AND SHALL NORMALLY BE ENGAGED IN A LOCKED POSITION		
THE MECHANICAL LOCKS ARE RELEASED MANUALLY. THE MECHANICAL LOCKS WILL RE-ENGAGE AUTOMATICALLY EVERY TIME THE LIFT IS RAISED. THE MECHANICAL LOCKS SHALL ALLOW THE OPERATOR TO RELEASE THE LOCKS AND LOWER THE LIFT WITHOUT CONTINUING TO HOLD A LOCK RELEASE. AIR OPERATED LOCK RELEASE IS NOT ACCEPTABLE DUE TO RELIANCE ON COMPRESSED AIR SUPPLY.		
LIFTING SPEED WILL BE 60 SECONDS MINIMUM FROM THE FLOOR TO FULL HEIGHT.		
LIFTING COLUMN:	COMPLY	EXCEPTION
EACH COLUMN WILL BE CONSTRUCTED OF 3/4-INCH THICK #2434 FORKLIFT CHANNEL AND BE RIGIDLY SUPPORTED AND JOINED TOGETHER WITH 3/4-INCH STEEL PLATE USING 3 POINT MULTIPASS FILLET WELDS. <i>FORMED, TUBULAR, OR BENT COLUMNS ARE NOT ACCEPTABLE.</i>		

LIFTING COLUMN (CONT):	COMPLY	EXCEPTION
EACH COLUMN WILL BE A MINIMUM OF 19" WIDE X 9" DEEP, AS LARGER HEAVY-DUTY COLUMNS GIVE BETTER, SAFER SUPPORT WHEN LIFTING HEAVIER, UNEVEN LOADS. SMALLER, LIGHTER DUTY COLUMNS WILL NOT BE ACCEPTED.		
2.5.3 EACH COLUMN WILL HAVE A BASE PLATE MADE FROM 3/4" THICK GRADE A-36 STEEL PLATES, MINIMUM. THE BASE PLATE WILL BE 29-1/2" X 23-3/4", MINIMUM. THIS BASE PLATE IS DESIGNED TO HAVE LESS THAN 50 PSI OF PRESSURE ON THE CONCRETE FLOOR WITH A FULL LOAD.		
CARRIAGE ASSEMBLY:	COMPLY	EXCEPTION
THE CARRIAGE ASSEMBLY WILL ROLL UP AND DOWN SMOOTHLY IN THE FORKLIFT MAST COLUMNS ON FOUR (4) 4 INCH DOUBLE SEALED SELF-LUBRICATING STEEL BALL BEARING ROLLERS. PLASTIC OR NYLON TYPE SLIDE BLOCKS OR BUSHING TYPE ROLLERS ARE NOT ACCEPTABLE.		
EACH COLUMN WILL HAVE A CARRIAGE CONSTRUCTED OF 3/4- INCH STEEL PLATE JOINED TO A 3/8-INCH BACKING PLATE BY 3 POINT MULTIPASS FILLET WELDS, MINIMUM.		
THE CARRIAGE ASSEMBLY SHALL NOT REQUIRE ANY MONTHLY CLEANING WITH SOLVENTS OR ANY LUBRICATION. ALL WEAR SURFACES SHALL BE COMPLETELY SEALED AND SELF LUBRICATING WITH NO GREASE REQUIREMENTS.		
THE CARRIAGE WILL ALSO INCLUDE FOUR (4) 4 INCH DOUBLE SEALED SELF-LUBRICATING STEEL BALL BEARING ROLLERS ACTING AS SIDE LOAD BEARINGS TO ELIMINATE THE STRESS OF UNEVENLY DISTRIBUTED LOADS. PLASTIC OR NYLON TYPE BEARINGS OR SLIDE BLOCKS ARE NOT ACCEPTABLE.		
THE CARRIAGE WILL BE LIFTED BY MEANS OF A DIRECT DRIVE LIFTING SYSTEM. THE CARRIAGE WILL BE CONNECTED DIRECTLY TO THE TOP OF THE CYLINDER BY (2) 1" DIAMETER ASTM A-311 CLASS B HARDENED STEEL RODS. CABLE, CHAIN, AND MECHANICAL SCREW TYPE DESIGNS ARE NOT ACCEPTABLE.		

CARRIAGE ASSEMBLY (CONT):	COMPLY	EXCEPTION
<p>CARRIAGES WILL SUPPORT THE SWING ARMS BY SANDWICHING THEM IN BETWEEN 2 PIECES OF 3/4-INCH STEEL PLATE THAT ARE JOINED TOGETHER BY 3 POINT MULTIPASS FILLET WELDS. THE SWING ARMS WILL BE HELD IN PLACE BY A 1-3/8 INCH DIAMETER STEEL PIN WITH NYLON LOCK NUTS ON EACH SIDE. SWING ARMS THAT ARE NOT SUPPORTED BY A “TOP PLATE AND BOTTOM PLATE” ON THE CARRIAGE ARE NOT ACCEPTABLE DUE TO UNACCEPTABLE FLEX, WHICH PROMOTE PREMATURE WEAR.</p>		
<p>OPTIONAL 3 STAGE ARMS ARE AVAILABLE. THREE STAGE SWING ARMS GIVE ADDITIONAL 10” OVERALL REACH (5” EACH ARM). THE 3 STAGE ARM MEASURES 4” FROM FLOOR TO TOP OF ARM WHEN LOWERED.</p>		
LIFTING ARMS:	COMPLY	EXCEPTION
<p>LIFTING ARMS WILL ACCOMMODATE THE SMALLEST OF COMPACT CARS THROUGH MEDIUM SIZED TRUCKS WEIGHING UP TO 16,000 LBS.</p>		
<p>IF 3 STAGE ARM, FINAL SECTION SHALL BE MADE OF 2” X 4” X 3/8.” SLIDER ENDS SHALL BE CAP WELDED CLOSED ON BOTH ENDS FOR ADDED STRENGTH.</p>		
<p>LIFTING ARMS WILL BE CONSTRUCTED OF TWO PIECES OF GRADE A-500-B STRUCTURAL TUBING (OR 3 PIECES FOR 3 STAGE ARM). THIS TUBING MUST HAVE A MINIMUM TENSILE STRENGTH OF 75,000 PSI AND MINIMUM YIELD STRENGTH OF 60,000 PSI.</p>		
<p>LIFTING ARMS WILL BE EQUIPPED WITH ARM RESTRAINTS THAT OPERATE AUTOMATICALLY. MANUALLY OPERATED ARM RESTRAINTS ARE NOT ACCEPTABLE</p>		
<p>TWO STAGE ARM CLOSED REACH OF 35-5/8” AND AN OPEN REACH OF 54”. OPEN REACH OF 3 STAGE ARM SHALL BE 59”. ALL FOUR LIFTING ARMS WILL BE EQUAL IN LENGTH TO SAFELY SUPPORT FRONT WHEEL DRIVE VEHICLES AS WELL AS HEAVY ENDED VEHICLES WITH DUAL REAR WHEELS, LIFT GATES, DUMP BODY AND UTILITY BODIES. ASYMMETRICAL ARMS OR ROTATED COLUMNS ARE NOT ACCEPTABLE</p>		

LIFTING ARMS (CONT):	COMPLY	EXCEPTION
<p>SWING ARM RESTRAINTS WILL BE MADE FROM 1" DIAMETER HEAT TREATED ROCKWELL HARDNESS 50/55 C STEEL PINS THAT DROP DOWN THROUGH THE CARRIAGE AND ARE FORCED DOWNWARD BY A COMPRESSION SPRING. THE SPRING FORCES THE PIN TO WEDGE AGAINST THE SWING ARM SECURING IT IN PLACE. THE SWING ARMS AUTOMATICALLY SECURE THEMSELVES WHEN THE LIFT IS RAISED AND RELEASE AUTOMATICALLY WHEN THE LIFT IS FULLY LOWERED.</p>		
<p>LIFTING PADS WILL BE MADE FROM 4 ½" X 6" DIAMETER STEEL PLATE WITH STEEL CORRUGATED SURFACE FOR POSITIVE GRIPPING ON FLAT SURFACES OR LIFTING BY UNIBODY PINCH WELDS. PLASTIC OR RUBBER TOPPED LIFTING PADS ARE NOT ACCEPTABLE</p>		
<p>LIFT PADS MUST HAVE A 4-1/2" X 6" STEEL PLATE LIFTING SURFACE AT ALL TIMES INCLUDING WHEN TRUCK ADAPTORS ARE IN USE. <i>SMALLER LIFTING SURFACES SUCH AS FLIP-UP PADS ARE NOT ACCEPTABLE</i></p>		
LIFT DIMENSIONS:	COMPLY	EXCEPTION
<p>COLUMN HEIGHT 8'7" MAXIMUM</p>		
<p>HYDRAULIC LINE HEIGHT SET AT FIFTEEN (15) FOOT STANDARD HEIGHT; ADJUSTABLE TO ACCOMMODATE ANY CEILING HEIGHT</p>		
<p>MAXIMUM STRUCTURAL PROTRUSION FROM THE LIFT COLUMN SHALL BE 13' 6". MEASURED FROM THE FLOOR TO THE TOP OF THE CYLINDER AT FULL LIFTING HEIGHT.</p>		
<p>WIDTH BETWEEN LIFTING ARMS 8' 10" MINIMUM; ADJUSTABLE TO ACCOMMODATE WIDER VEHICLES</p>		

HYDRAULICS:	COMPLY	EXCEPTION
<p>THE LIFT SHALL INCORPORATE A MASTER / SLAVE HYDRAULIC SYSTEM WHICH SYNCHRONIZES ELEVATIONS DURING BOTH RAISING AND LOWERING OPERATIONS WITH THE MOST ADVERSE RATED LOAD PLACED ON THE LIFT. THE LIFT SHALL COME EQUIPPED WITH A FULLY AUTOMATIC LEVELING CONTROL AND MANUAL OVER-RIDE AS A BACK UP</p>		
<p>INTERNAL HYDRAULIC SAFETIES ON BOTH CYLINDERS SHALL DETECT MAINSIDE OR OFFSIDE PRESSURE DIFFERENTIALS OF LESS THAN 200 LBS. SHOULD THE PRESSURE CHANGE OR AN IMBALANCE OCCUR FOR ANY REASON, THE LIFT WILL HYDRAULICALLY LOCK ON BOTH SIDES</p>		
<p>HYDRAULIC CYLINDERS WILL BE MADE OF 2-5/8" CHROME ROD. THE OVERSIZED CHROME ROD WILL BE PACKED IN A 4" OD X 6' LONG BARREL, MINIMUM.</p>		
<p>FULL LOAD WORKING PRESSURE WILL BE A MAXIMUM OF 1900 PSI. HIGHER PRESSURE SYSTEMS WILL NOT BE ACCEPTED DUE TO HIGHER PRESSURES CAUSING SEAL LEAKAGE, PREMATURE POWER UNIT FAILURE AND CYLINDER WEAR.</p>		
<p>CYLINDER PACKING CONSISTS OF THE FOLLOWING PARKER BRAND SEALS:</p> <ul style="list-style-type: none"> • DYNAMIC PISTON T - SEALS • 2 BACK-UP RINGS • 2 STATIC O-RINGS • ROD WIPER • ROD T - SEALS 		
<p>LIFT WILL BE EQUIPPED WITH EXTERNAL HYDRAULIC SAFETIES CONSISTING OF VELOCITY FUSES MOUNTED ON EACH CYLINDER WHICH HYDRAULICALLY LOCK IN THE EVENT OF A LEAK, PLUS A FACTORY SET PRESSURE COMPENSATED FLOW CONTROL VALVE TO LIMIT DESCENT SPEED.</p>		
<p>SEAMLESS HYDRAULIC STAINLESS STEEL TUBING WITH A BURST RATING OF 14,000 PSI, MINIMUM. RUBBER, STEEL BRAIDED, OR PLASTIC HYDRAULIC HOSES ARE NOT ACCEPTABLE</p>		

HYDRAULICS (CONT):	COMPLY	EXCEPTION
ALL HYDRAULIC FITTINGS WILL BE STANDARD JIC OR O-RING BOSS FITTINGS. SELF FLARING OR COMPRESSION FITTINGS ARE NOT ACCEPTABLE.		
HYDRAULIC FLUID WILL BE DEXRON III, ATF.		
POWER UNIT:		
<p>POWER UNIT CAN BE MOUNTED ON EITHER DRIVER SIDE OR PASSENGER SIDE COLUMN AND WILL CONSIST OF:</p> <ul style="list-style-type: none"> • ELECTRIC MOTOR • HYDRAULIC PUMP <ul style="list-style-type: none"> • STEEL OIL RESERVOIR (PLASTIC RESERVOIRS NOT ACCEPTABLE) • SUCTION STRAINER • HYDRAULIC GEAR PUMP • ALL HYDRAULIC VALVING MANIFOLD 		
ELECTRIC MOTOR IS U.S. MOTORS BRAND 4 H.P. 208V / 230V 1 PHASE 60 Hz MINIMUM. THE MOTOR WILL HAVE MAXIMUM FULL AMP LOADS OF 18.0 AMPS @ 208V AND 14.5 AMPS @ 230V.		
HYDRAULIC PUMP IS A PRESSURE BALANCED GEAR PUMP WITH FIXED DISPLACEMENT, EXTERNAL TOOTH, AND ALL STEEL GEARS. THE PUMP MUST BE EXTREMELY TOLERANT OF FLUID CONTAMINANTS AND RESISTANT TO GALLING CAUSED BY LOW VISCOSITY START-UP. HARDCOAT PROCESSED INTERNAL PUMP SURFACES FOR EXTENDED SERVICE LIFE		
THE CONTROLS SHALL BE COLUMN MOUNTED WITH THE UNIT OPERATED BY A PUSH BUTTON UP SWITCH AND MANUAL DOWN LEVER		
DRAIN PLUG: POWER UNIT WILL BE EQUIPPED WITH A DRAIN PLUG AT BOTTOM OF RESEVOIR FOR MAINTENANCE PURPOSES WHEN CHANGING HYDRAULIC FLUID.		

STANDARD EQUIPMENT:	COMPLY	EXCEPTION
STACKABLE TRUCK ADAPTORS (4 EACH) OF 5" AND 7-1/2", AND 10" SIZES INCLUDED.		
MALE AND FEMALE ELECTRICAL HUBBELL PLUGS, MALE PLUG PREWIRED ON LIFT WITH FEMALE PLUG IN PARTS BOX		
(16) 3/4" X 6" WEJ-IT BRAND ANCHOR BOLTS.		
DEXRON III ATF BRAND FOR HYDRAULIC PUMP AND RESERVOIR		
SHIMS TO LEVEL THE COLUMNS FOR PROPER INSTALLATION		
WEIGHT GAUGE:	COMPLY	EXCEPTION
THE WEIGHT GAUGE IS A HYDRAULIC "SCALE" ATTACHED TO THE LIFT WHICH SHOWS THE WEIGHT OF THE VEHICLE ON THE LIFT		
THE WEIGHT GAUGE ACCURACY SHALL BE +/- 3% OF FULL SCALE READING		
THE WEIGHT GAUGE SERVES AS A VISUAL CONFIRMATION, AS THE WEIGHT WILL SHOW 0 (ZERO) WHEN THE LIFT HAS BEEN LOWERED ONTO THE MECHANICAL LOCKS.		
WEIGHT GAUGE OPTION MUST BE ALI CERTIFIED TO MEET THE ANSI/ALI ALCTV 2011 AUTOMOTIVE LIFT STANDARD		
WEIGHT GAUGE WILL BE PLACED ON MAINSIDE LIFTING COLUMN AT AN EASY TO READ, EYE LEVEL POSITION.		
FOAM DOOR GUARD OPTION:	COMPLY	EXCEPTION
OPTIONAL FOAM DOOR GUARD OPTION PROTECTS VEHICLE DOORS FROM HITTING THE CARRIAGE AND POTENTIALLY SCRATCHING OR DENTING A VEHICLE DOOR. DOOR GUARDS ARE MADE OF 2" THICK COATED FOAM TO ABSORB THE IMPACT OF A VEHICLE DOOR.		
DOOR GUARDS OF HARD RUBBER OR PLASTIC ARE NOT ACCEPTABLE BECAUSE WHILE THESE HARDER SURFACES WILL PREVENT PAINT SCRATCHES, THEY WILL NOT PREVENT DOORS FROM DENTING IF SLAMMED INTO THE COLUMNS		

WARRANTY:	COMPLY	EXCEPTION
NEW CONDITION ONLY		
WARRANTY ON ALL MAJOR STRUCTURAL COMPONENTS (LEGS, CARRIAGES, SWING ARMS AND SLIDERS) IS A FULL 25 YEARS. MECHANICAL COMPONENTS COVERED FOR 10 YEARS		
WARRANTY ON ALL POWER UNIT COMPONENTS (MOTOR, PUMP AND RESERVOIR) IS A FULL 2 YEARS.		
HYDRAULIC CYLINDERS ARE COVERED BY AN EXTENDED CYLINDER SEAL WARRANTY AFTER THE INITIAL 5 YEAR WARRANTY HAS EXPIRED		
MANUALS:	COMPLY	EXCEPTION
One set of complete and comprehensive operators, maintenance, and parts manuals shall be furnished with each unit. The manuals must include operating instructions, maintenance schedules, instructions for completing maintenance items, and necessary illustrations, drawings, or photographs required for clarity. The parts manual must include parts lists and part numbers with illustrations in sufficient detail to allow easy ordering of replacement parts		
As built line sheet with part numbers for all components		

Explain Exceptions:

W-9 INFORMATION FOR LEGAL STATUS

Sole proprietor. Enter your individual name as shown on your income tax return on the “Name” line. You may enter your business, trade, or “doing business as (DBA)” name on the “Business name/disregarded entity name” line.

Partnership, C Corporation, or S Corporation. Enter the entity's name on the “Name” line and any business, trade, or “doing business as (DBA) name” on the “Business name/disregarded entity name” line.

Disregarded entity. Enter the owner's name on the “Name” line. The name of the entity entered on the “Name” line should never be a disregarded entity. The name on the “Name” line must be the name shown on the income tax return on which the income will be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a domestic owner, the domestic owner's name is required to be provided on the “Name” line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on the “Business name/disregarded entity name” line. If the owner of the disregarded entity is a foreign person, you must complete an appropriate Form W-8.

Note. Check the appropriate box for the federal tax classification of the person whose name is entered on the “Name” line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

Limited Liability Company (LLC). If the person identified on the “Name” line is an LLC, check the “Limited liability company” box only and enter the appropriate code for the tax classification in the space provided. If you are an LLC that is treated as a partnership for federal tax purposes, enter “P” for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter “C” for C corporation or “S” for S corporation. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the “Name” line) is another LLC that is not disregarded for federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the “Name” line.

Other entities. Enter your business name as shown on required federal tax documents on the “Name” line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the “Business name/disregarded entity name” line.

Please see attached W-9 Request for Taxpayer Identification Number and Certification form for a detailed explanation on filling out the W-9 form.

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶ _____	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number								

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number								

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.