MOHAWK

MADE IN THE USA

MODELS
TP-26A & TP-26-WB
TP-30A & TP-30-WB

TP-26A – 26,000 LB. CAPACITY 2-POST
TP-26-WB – 26,000 LB. CAPACITY 2-POST (WIDE BASE)
TP-30A - 30,000 LB. CAPACITY 2-POST
TP-30-WB - 30,000 LB. CAPACITY 2-POST (WIDE BASE)
VEHICLE LIFT MANUAL

- ☑ INSTALLATION
- ☑ OPERATION
- ☑ MAINTENANCE
- ☑ PARTS

THANK YOU
FOR SENDING IN YOUR
WARRANTY REGISTRATION
CARD

MOHAWK SERVICE
DEPARTMENT

MOHAWK LIFTS, LLC.
P.O. BOX 110
65 VROOMAN AVENUE
AMSTERDAM, NY 12010
TOLL FREE : 1-800-833-2006
LOCAL : 1-518-842-1431
FAX : 1-518-842-1289
INTERNET: WWW.MOHAWKLIFTS.COM
E-MAIL: TECHSUPPORT@MOHAWKLIFTS.COM

READ MANUAL THOROUGHLY BEFORE INSTALLING, OPERATING OR SERVICING THIS LIFT !!
Deliver these instructions to lift owner/user/employer along with other instructional materials furnished with this lift.

TP-26A-30A-26WB-30WB 12-1-2015.doc
REV DATE 12/1/2015
PART # 601-800-368

IMPORTANT SAFETY INSTRUCTIONS

When using your garage equipment, basic safety precautions should always be followed, including the following:

1. Read all instructions.

2. Care must be taken as burns can occur from touching hot parts.

3. Do not operate equipment with a damaged cord or if the equipment has been dropped or damaged - until it has been examined by a qualified serviceman.

3. Do not let cord or hoses come in contact with hot manifolds or moving fan blades.

4. If an extension cord is necessary, a cord with a current rating equal to or more than that of the equipment should be used. Cords rated for less current than the equipment may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

5. Always unplug equipment from electrical outlet when not in use. Never use the cord to pull the plug from the outlet. Grasp plug and pull to disconnect

6. To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids (gasoline). WARNING: Risk of Explosion: This equipment has internal arcing and sparking parts which should not be exposed to flammable vapors. This equipment is only suitable for installation in a garage having sufficient air circulation to be considered a non-hazardous location.

7. Adequate ventilation should be provided when working on operating internal combustion engines.

8. Keep hair, loose clothing, fingers, and all parts of body away from moving parts.

9. To reduce the risk of electric shock, do not use on wet surfaces or expose to rain.

10. Use only as described in this manual. Use only manufacturer’s recommended attachments.

11. ALWAYS WEAR SAFETY GLASSES. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.

SAVE THESE INSTRUCTIONS

Rev (8/3/98)

APPENDAGE:

LIFT ENVIRONMENT:
Mohawk prohibits the outdoor installation of this standard lift, which is APPROVED FOR INDOOR USAGE ONLY, in a normal garage type environment. Any concerns in applications that expose the lift to additional environmental effects, such as paint booths, wash bays, outdoors, high or low temperatures, etc. must be addressed to our engineering department, where provisions could/may be made to the lift to accommodate the area of use. Our engineering department must be made aware in advance of these conditions and any additional code requirements that must be met.

Also, the foundation for which this lift must be installed on must comply to the minimum specifications as set forth in this manual. Any drainage slopes in the bay where the lift is to be installed must be directed away from the posts to prevent water accumulation at the post bases.

Standard foundation flooring and anchorage specifications are contained within this manual. For installation within a seismic area, a qualified person must be consulted to address seismic loads and other local or state requirements.

ACCESSORIES:
All accessories (i.e. Lifting Pads, Height Adapters, Wheel Adapters, Turf Adapters) supplied with this lift are to be used on this lift only. Accessories from other lifts are not acceptable and could result in injury to the user.

If attachments, accessories or configuration modifying components are used on this lift and, if they are not certified for use on this lift, then the certification of this lift shall become null and void. Contact the participant (MOHAWK LIFTS, LLC.) for information pertaining to certified attachments, accessories or configuration modifying components.

LOCKOUT/TAGOUT REQUIREMENTS:
The start switch provided with this unit must not be used as a primary disconnecting means. A separate disconnecting means must be provided in accordance with all applicable codes. It is the responsibility of the owner/user of this unit to provide a proper lockout/tagout device for this unit before or during installation in conformance to ANSI Z244.1 and any local/state/national electrical codes and any OSHA regulations.

PROPER SELECTION OF POWER SUPPLY CORD:
Acceptable Cord Types: SO, SEO,STO, SOW, SEOO, SOW-A
Cord Size: 12/4
Cord Ampacity: 20 Amps
Cord Wiring: Green - Ground in Starter Box
Red - L1 on Starter
Black - L2 on Starter
White - L3 on Starter

Rev (6/19/2012)

HAVE A QUESTION?

Call your local
Mohawk distributor
For parts, service and technical support.

Distributor Place Card Here

Please have this unit's model and serial number when calling for service.

Model Number _____

Serial Number _____

OR CONTACT:

MOHAWK LIFTS, LLC.
65 Vrooman Ave.
P.O. Box 110
Amsterdam, NY 12010
Toll Free: 1-800-833-2006
Local: 1-518-842-1431
Fax: 1-518-842-1289
Internet: www.MOHAWKLIFTS.com
E-Mail: Service@MOHAWKLIFTS.com

The Automotive Lift Institute (ALI) is a trade association comprised of US and Canadian manufacturers and certain national distributors of automotive lifts. For almost 50 years, the ALI in cooperation with the American National Standards Institute (ANSI) has continued to sponsor the national standard ANSI/ALI ALCTV:2011 "Safety Requirements for Construction, Testing, and Validation for Automotive Lifts."

The new "ALI/ETL Automotive Lift Certification Program" is based on ALI developed methods and criteria for third party testing of automotive lifts to validate conformance with ANSI/ALI ALCTV:2011.

For automotive lifts to be certified, manufacturers must execute an agreement with the ALI and ETL / Intertek Testing Services and must meet certain requirements:

- Must be structurally tested in accordance with the test requirements as outlined in ANSI/ALI ALCTV:2011.
- All motor operated units must be listed by a nationally recognized testing laboratory (NRTL) in accordance with ANSI/UL-201.
- The manufacturer's production facility must meet quality control requirements as set forth in the ANSI Z34.1-1987 and the ALI/ETL Automotive Lift Certification Program Procedural Guide.
- All manufacturer-provided instructions, manuals, and operator safety documents, must meet the requirements of the ANSI/ALI ALCTV:2011 and ANSI/UL-201.

Lifts meeting these rigid requirements may be listed in the directory of certified lifts and be labeled with the "ALI/ETL certification mark" (Above on right), and, if applicable, the ETL listing mark to ANSI/UL-201.

Mohawk has been a long-standing member of ALI and most of Mohawk's popular models are currently listed and certified. Other Mohawk models are in various stages of testing. To obtain a complete and current certification listing, contact MOHAWK LIFTS, LLC. or visit www.mohawklifts.com or www.ali-directory.org To obtain a copy of the current automotive lift standard, contact ALI or ANSI or visit www.autolift.org

Some people purchase quality products and others do not. You are assured of quality when you purchase a Mohawk product in compliance with the certification program.

MOHAWK WARRANTIES

EFFECTIVE DATE: 12/1/2015*

READ THIS WARRANTY IN ITS ENTIRETY

GENERAL WARRANTY INFORMATION:

MOHAWK'S OBLIGATION UNDER THIS WARRANTY IS LIMITED TO REPAIRING OR REPLACING ANY PART OR PARTS RETURNED TO THIS FACTORY, TRANSPORTATION CHARGES PREPAID BY CUSTOMER WITH AUTHORIZED RETURN (RGA), WHICH PROVE UPON INSPECTION TO BE DEFECTIVE AND WHICH HAVE NOT BEEN MISUSED. DAMAGE OR FAILURE TO ANY PART DUE TO FREIGHT DAMAGE OR LACK OF REQUIRED REGULAR DOCUMENTED MAINTENANCE IS NOT COVERED UNDER THIS WARRANTY. ALL WARRANTY CLAIMS MUST BE PERFORMED IN ACCORDANCE TO MOHAWK'S WARRANTY PARTS RETURN POLICY (CONTACT MOHAWK'S SERVICE DEPARTMENT FOR MORE INFORMATION).

THIS WARRANTY DOES NOT COVER MIS-DIAGNOSING OF UNIT OR PARTS RETURNED THAT ARE NON-DEFECTIVE. THIS WARRANTY DOES NOT COVER ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOST REVENUES OR BUSINESS HARM. THIS EQUIPMENT HAS BEEN DESIGNED FOR USE IN NORMAL VEHICLE MAINTENANCE APPLICATIONS. A SPECIFIC INDIVIDUAL WARRANTY MUST BE ISSUED FOR UNITS THAT DEVIATE FROM INTENDED USAGE, SUCH AS HIGH CYCLE USAGE IN INDUSTRIAL APPLICATIONS, OR USAGE IN EXTREMELY ABUSIVE ENVIRONMENTS. MOHAWK RESERVES THE RIGHT TO DECLINE RESPONSIBILITY WHEN REPAIRS OR MODIFICATIONS HAVE BEEN MADE OR ATTEMPTED BY OTHERS WITHOUT WRITTEN AUTHORIZATION FROM MOHAWK LIFTS, LLC.. THIS WARRANTY DOES NOT COVER LABOR OR TRANSPORTATION. THIS WARRANTY DOES NOT COVER DOWNTIME EXPENSES INCURRED WHEN UNIT IS IN REPAIR. **THE LIFT MUST BE REGISTERED WITHIN 30 DAYS OF INSTALLATION BY MAILING SUPPLIED WARRANTY REGISTRATION CARD TO MOHAWK AND MUST BE SIGNED BY A LICENSED ELECTRICIAN**. THE MODEL NUMBER AND SERIAL NUMBER OF THE EQUIPMENT MUST BE FURNISHED WITH ALL WARRANTY CLAIMS. THIS WARRANTY STATEMENT CONTAINS THE ENTIRE AGREEMENT BETWEEN MOHAWK LIFTS, LLC. AND THE PURCHASER UNLESS OTHERWISE SPECIFICALLY EXPRESSED IN WRITING. THIS NON-TRANSFERABLE WARRANTY APPLIES TO THE ORIGINAL PURCHASER ONLY.

THIS WARRANTY DOES NOT COVER NORMAL SURFACE WEAR ITEMS, ITEMS SUBJECT TO ABRASION, OR ITEMS USED IN A CORROSIVE ENVIRONMENT. SOME ITEMS ON LIFT ARE SUBJECT TO NORMAL "WEAR AND TEAR" AND ARE NOT COVERED UNDER THIS WARRANTY.

STRUCTURAL AND MECHANICAL COMPONENTS (ALL LIFTS):

STRUCTURAL AND MECHANICAL COMPONENTS OF THIS UNIT ARE GUARANTEED FOR THE BELOW STATED TIME FRAME, SPECIFIC TO MODEL LISTED, FROM THE DATE OF SHIPMENT FROM FACTORY, AGAINST DEFECTS IN WORKMANSHIP AND/ OR MATERIALS WHEN LIFT IS INSTALLED AND USED ACCORDING TO SPECIFICATIONS.

25-YEARS STRUCTURAL / 10 YEARS MECHANICAL: TWO-POST MODELS A-7, SYSTEM IA-10, LC-12, LMF-12, TP-16, TP-18, TP-20, TP-26, TP-30. STRUCTURAL ITEMS COVERED INCLUDE LEG, CARRIAGE, SWING ARM AND SLIDER WELDMENTS (EXCLUDING NORMAL WEAR AREAS AS STATED ABOVE). MECHANICAL ITEMS COVERED INCLUDE ROLLER BEARINGS AND LIFTING CHAIN.

5-YEAR: MODELS TL-7.

3-YEAR: MODELS TR-19, TR-25, FL-25, TR-30, TR-33, TR-35, TR-50, TR-75, TR-110, TR-120, MP-SERIES LIFTS.

2-YEAR: MODELS PARALLELOGRAM SERIES LIFTS.

1-YEAR: MODELS TD-1000, TD-2000, CT-1000, USL-6000.

POWER UNIT (ALL LIFTS):

ALL POWER UNIT COMPONENTS (MOTOR, PUMP AND RESERVOIR) ARE GUARANTEED FOR TWO YEARS FOR PARTS, FROM THE DATE OF SHIPMENT FROM FACTORY, AGAINST DEFECTS IN WORKMANSHIP AND/OR MATERIALS WHEN THE LIFT IS INSTALLED, WIRED BY A LICENSED ELECTRICIAN AND USED ACCORDING TO SPECIFICATIONS.

ELECTRICAL COMPONENTS (ALL LIFTS):

ALL ELECTRICAL COMPONENTS (EXCLUDING MOTOR) ARE GUARANTEED FOR ONE YEAR FOR PARTS, FROM THE DATE OF SHIPMENT FROM FACTORY, AGAINST DEFECTS IN WORKMANSHIP AND/OR MATERIALS WHEN THE LIFT IS INSTALLED AND USED ACCORDING TO SPECIFICATIONS. SEE WARRANTY EXCEPTIONS SECTION FOR BATTERIES.

PNEUMATIC-AIR COMPONENTS (ALL LIFTS):

ALL PNEUMATIC (AIR) COMPONENTS (I.E. AIR CYLINDERS AND POPPET AIR VALVES) ARE GUARANTEED FOR ONE YEAR FOR PARTS, FROM THE DATE OF SHIPMENT FROM FACTORY, AGAINST DEFECTS IN WORKMANSHIP AND/OR MATERIALS WHEN THE LIFT IS INSTALLED AND USED ACCORDING TO SPECIFICATIONS. COMPONENTS IN A PNEUMATIC SYSTEM THAT ARE NOT PROPERLY REGULATED, LUBRICATED AND CONDITIONED WITH AN AIR DRYING SYSTEM ARE NOT COVERED UNDER WARRANTY.

HYDRAULIC COMPONENTS (ALL LIFTS):

EXCLUDING CYLINDERS AND PUMPS (COVERED IN OTHER SECTIONS), ALL HYDRAULIC COMPONENTS (I.E. VALVES AND FITTINGS) ARE GUARANTEED FOR ONE YEAR FOR PARTS, FROM THE DATE OF SHIPMENT FROM FACTORY, AGAINST

DEFECTS IN WORKMANSHIP AND/OR MATERIALS WHEN THE LIFT IS INSTALLED AND USED ACCORDING TO SPECIFICATIONS.

HYDRAULIC CYLINDERS (MODEL SPECIFIC LIFTS):
THE FOLLOWING MODELS ARE GUARANTEED FOR 5 YEARS (PARTS ONLY), FROM DATE OF SHIPMENT FROM FACTORY, FOR HYDRAULIC CYLINDERS, AGAINST DEFECTS IN WORKMANSHIP AND/OR MATERIALS WHEN THE LIFT IS INSTALLED AND USED ACCORDING TO SPECIFICATIONS: TWO-POST MODELS A-7, SYSTEM IA-10, LC-12, LMF-12, TP-16, TP-18, TP-20, TP-26, TP-30.

ALL OTHER MODELS ARE GUARANTEED FOR TWO YEARS (PARTS ONLY), FROM THE DATE OF SHIPMENT FROM FACTORY, FOR HYDRAULIC CYLINDERS, AGAINST DEFECTS IN WORKMANSHIP AND/OR MATERIALS WHEN THE LIFT IS INSTALLED AND USED ACCORDING TO SPECIFICATIONS (EXCLUDING USL-6000, WHICH IS ONE YEAR).

THE "*EXTENDED LIFETIME CYLINDER SEAL WARRANTY*" (BELOW) IS APPLICABLE TO THE FOLLOWING MOHAWK LIFTS ONLY: TWO-POST MODELS A-7, SYSTEM IA-10, LC-12, LMF-12, TP-16, TP-18, TP-20, TP-26, TP-30. SEE MOHAWK'S "*EXTENDED LIFETIME CYLINDER SEAL WARRANTY*" FOR SPECIFIC WARRANTY PROVISIONS FOR HYDRAULIC CYLINDERS.

THE "***EXTENDED LIFETIME CYLINDER SEAL WARRANTY***" IS AS FOLLOWS:

AS THE ORIGINAL PURCHASER OF A MOHAWK LIFT MANUFACTURED BY MOHAWK LIFTS, LLC. YOU ARE ENTITLED TO AN EXTENDED CYLINDER SEAL WARRANTY.

MOHAWK'S OBLIGATION UNDER THIS WARRANTY IS LIMITED TO SUPPLYING MODEL SPECIFIC CYLINDER SEALS. THE CUSTOMER IS RESPONSIBLE FOR SHIPPING AND HANDLING OF THE SEALS. MOHAWK IS NOT RESPONSIBLE/LIABLE FOR THE REBUILD OF CYLINDERS BY OTHERS. THIS WARRANTY IS NON-TRANSFERABLE AND RUNS TO THE ORIGINAL PURCHASER ONLY.

STANDARD OPTIONS (ALL LIFTS):
ALL STANDARD OPTIONS OF THIS UNIT ARE GUARANTEED FOR ONE YEAR FOR PARTS, FROM THE DATE OF SHIPMENT FROM FACTORY, AGAINST DEFECTS IN WORKMANSHIP AND/OR MATERIALS WHEN LIFT IS INSTALLED AND USED ACCORDING TO SPECIFICATIONS.

CUSTOM LIFTS AND CUSTOM OPTIONS:
ALL "CUSTOM" LIFTS AND/OR "CUSTOM" OPTIONS ARE GUARANTEED FOR ONE YEAR FOR PARTS, FROM THE DATE OF SHIPMENT FROM FACTORY, AGAINST DEFECTS IN WORKMANSHIP AND/OR MATERIALS WHEN LIFT IS INSTALLED AND USED ACCORDING TO SPECIFICATIONS.

WARRANTY EXCEPTIONS (ALL LIFTS):
ADJUSTMENTS: THIS WARRANTY DOES NOT COVER CASUAL AND ROUTINE ADJUSTMENTS SUCH AS, BUT NOT LIMITED TO: FITTINGS, SENSORS AND SWITCHES, ANCHOR BOLT RE-TIGHTENING, OR ANY SHIMMING OR ADJUSTMENTS REQUIRED DURING A PROPER AND PROFESSIONAL INSTALLATION BY A QUALIFIED INSTALLER.
MAINTENANCE AND INSPECTIONS: IF THIS UNIT IS NOT MAINTAINED AND INSPECTED IN ACCORDANCE TO THE RELEVANT SECTIONS IN THE USERS MANUAL FOR THIS SPECIFIC MODEL, WARRANTY IS VOID. OSHA, ANSI AND MOHAWK REQUIRE THAT RECORDS MUST BE MAINTAINED TO PROVE THAT INSPECTIONS AND MAINTENANCE OF THIS UNIT HAVE BEEN ROUTINELY PERFORMED BY QUALIFIED INDIVIDUALS.
ABUSE: IF THIS UNIT IS FOUND TO BE OVERLOADED (PURPOSELY OR UNKNOWINGLY), USED IN A SITUATION BEYOND ITS INTENDED FUNCTION, NOT MAINTAINED & INSPECTED REGULARLY, USED IN AN ABUSIVE ENVIRONMENT OR BEYOND NORMAL SHOP USAGE, THIS WARRANTY IS VOID IN ITS ENTIRETY.
NON-EXISTENT PROBLEMS: FOR SERVICE VISITS, PART REPLACEMENTS, LABOR, ETC. FOR PARTS FOUND TO BE NON-DEFECTIVE, OR FOR A UNIT DIS-FUNCTION THAT DOES NOT EXIST, IT IS THE LIFT OWNER THAT REQUESTED THE SERVICE VISIT WHO BEARS THE RESPONSIBILITY OF ALL RELATED EXPENSES.
BATTERIES: ALL BATTERIES CARRY THE BATTERY MANUFACTURER'S WARRANTY. MAINTENANCE REQUIREMENTS AND ABUSE PROVISIONS ARE AS STATED BY THE BATTERY MANUFACTURER. REFER TO BATTERY MANUFACTURER'S WARRANTY.
SPECIAL/MODIFIED INSTALLATIONS: THIS WARRANTY DOES NOT COVER "NON-TRADITIONAL" INSTALLATIONS. INSTALLATIONS ARE TO BE DONE ACCORDING TO SPECIFICATIONS, OR THE WARRANTY IS VOID.
WEARABLE COMPONENTS: SOME ITEMS ON LIFTS ARE SUBJECT TO NORMAL "WEAR AND TEAR" AND ARE NOT COVERED UNDER THIS WARRANTY.
NON-VEHICLE / RE-PURPOSED LIFTS: THIS WARRANTY DOES NOT COVER LIFTS THAT ARE "RE-PURPOSED" TO RAISE AND LOWER EQUIPMENT THAT ARE NOT CONSIDERED VEHICLES.

*** THIS WARRANTY SUPERSEDES ALL OTHER WARRANTY POLICIES PREVIOUSLY STATED AND IN ALL OTHER MOHAWK PRODUCT SPECIFIC LITERATURE (MANUALS, BROCHURES, ETC.).**

NOTICE:

MODELS TP-26A & TP-30A
VS.
MODELS TP-26-WB & TP-30-WB

THE TP-26-WB AND TP-30-WB MODELS ARE EQUIVALENT TO THE STANDARD MODELS EXCEPT THEY HAVE A WIDER BASES TO ACCOMMODATE ANCHORAGE TO THINNER FLOORS. FROM A COMPONENT, ELECTRICAL AND HYDRAULIC STANDPOINT, THESE MODELS ARE EQUIVALENT, AND PARTS DRAWINGS REPRESENTED IN THIS MANUAL MAY BE USED INTERCHANGABLY (ANCHORS ARE THE ONLY DIFFERENCE). ALSO NOTE THAT THE SET-UP OF THE WIDER BASE MODELS WILL TAKE UP MORE BAY WIDTH (REFER TO APPROPRIATE BAY LAYOUT AND SPEC DRAWINGS FOR THE APPLICABLE LIFT MODEL).

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RECOMMENDATIONS BY THE INDIVIDUAL USER OR USING ORGANIZATION FOR IMPROVING THIS PUBLICATION OR ANY ASPECT OF THE PRODUCT ARE ENCOURAGED AND SHOULD BE FORWARDED IN WRITING TO:

MOHAWK LIFTS, LLC.
PRODUCT IMPROVEMENTS
P.O. BOX 110 AMSTERDAM,
NY, 12010

THIS IS NOT A VEHICLE LIFTING PROCEDURE MANUAL AND NO ATTEMPT IS MADE OR IMPLIED HEREIN TO INSTRUCT THE USER IN LIFTING METHODS PARTICULARLY TO THE INDIVIDUAL APPLICATION OF THE EQUIPMENT DESCRIBED IN THIS MANUAL. RATHER, THE CONTENTS OF THIS MANUAL ARE INTENDED AS A BASE LINE FOR OPERATION, MAINTENANCE, TROUBLE SHOOTING, AND PARTS LISTING OF THE UNIT AS IT STANDS ALONE AND AS IT IS INTENDED AND ANTICIPATED TO BE USED IN CONJUNCTION WITH OTHER EQUIPMENT.

PROPER APPLICATION OF THE EQUIPMENT DESCRIBED HEREIN IS LIMITED TO THE PARAMETERS DETAILED IN THE SPECIFICATIONS AND THE USES SET FORTH IN THE DESCRIPTIVE PASSAGES. ANY OTHER PROPOSED APPLICATION OF THIS EQUIPMENT SHOULD BE DOCUMENTED AND SUBMITTED IN WRITING TO MOHAWK LIFTS, LLC. FOR EXAMINATION. THE USER ASSUMES FULL RESPONSIBILITY FOR ANY EQUIPMENT DAMAGE, PERSONAL INJURY, OR ALTERATION OF THE EQUIPMENT DESCRIBED IN THIS MANUAL OR ANY SUBSEQUENT DAMAGES.

DO NOT WELD, APPLY HEAT, OR MODIFY THIS EQUIPMENT IN ANY MANNER WITHOUT WRITTEN AUTHORIZATION FROM MOHAWK LIFTS, LLC. CERTAIN ALLOY OR HEAT-TREATED COMPONENTS MAY BE DISTORTED OR WEAKENED, RESULTING IN AN UNSAFE CONDITION.

MOHAWK LIFTS, LLC. IS NOT RESPONSIBLE FOR DISTORTIONS WHICH RESULT FROM WELDING ON THIS EQUIPMENT AFTER MANUFACTURING IS COMPLETED. UNAUTHORIZED WELDING, APPLICATION OF HEAT, OR MODIFICATION OF THIS EQUIPMENT VOIDS ANY AND / OR ALL APPLICABLE WARRANTIES COVERING THIS EQUIPMENT.
ALL WARRANTIES APPLICABLE TO THIS EQUIPMENT ARE CONTINGENT ON STRICT ADHERENCE TO THE MAINTENANCE SCHEDULES AND PROCEDURES IN THIS MANUAL.

KEEP ALL SHIELDS AND GUARDS IN PLACE. INSURE ALL SAFETY MECHANISMS ARE OPERABLE. KEEP HANDS, FEET, AND CLOTHING AWAY FROM POWER-DRIVEN AND MOVING PARTS.

WARNING

- DO NOT INSTALL THIS UNIT IN A PIT OR DEPRESSION DUE TO FIRE OR EXPLOSION RISK

IMPORTANT NOTE

A LEVEL FLOOR IS SUGGESTED FOR A PROPER INSTALLATION SITE AND WILL ENSURE LEVEL LIFTING. SMALL DIFFERENCES IN FLOOR SLOPES MAY BE COMPENSATED FOR WITH SPECIAL LIFTING PADS. ANY MAJOR SLOPE CHANGES WILL AFFECT THE LOW PROFILE HEIGHT OF THE LIFTING PADS AND / OR THE UNITS LEVEL LIFTING PERFORMANCE. IF A FLOOR IS OF QUESTIONABLE SLOPE, CONSIDER A SURVEY OF THE SIGHT AND / OR THE POSSIBILITY OF POURING A NEW LEVEL CONCRETE SLAB SECTION. SEE FIGURE 1. SIMPLY STATED, FOR OPTIMUM LEVEL LIFTING, THE EQUIPMENT, AT BEST, CAN LIFT ONLY AS LEVEL AS THE FLOOR ON WHICH IT IS LOCATED... AND SHOULD NOT BE EXPECTED TO COMPENSATE FOR DRASTIC FLOOR SLOPE DIFFERENCES.

THIS EQUIPMENT MUST BE INSTALLED ON A LEVEL CONCRETE FLOOR WITH A MINIMUM THICKNESS OF 12 IN THE CONCRETE MUST BE AGED AT LEAST (28) TWENTY EIGHT DAYS PRIOR TO INSTALLATION AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 P.S.I..

DO NOT INSTALL THIS UNIT ON ANY ASPHALT SURFACE.
DO NOT INSTALL THIS UNIT ON ANY SURFACE OTHER THAN CONCRETE CONFORMING TO THE MINIMUM SPECIFICATIONS STATED IN THE **PRE-EXISTING FLOOR REQUIREMENTS SECTION.**

DO NOT INSTALL THIS UNIT ON EXPANSION SEAMS OR ON CRACKED, DEFECTIVE CONCRETE. CHECK WITH BUILDING ARCHITECT.

DO NOT INSTALL THIS UNIT ON A SECOND FLOOR OR ANY GROUND FLOOR WITH A BASEMENT BENEATH WITHOUT WRITTEN AUTHORIZATION FROM THE BUILDING ARCHITECT.

INSTALL THIS EQUIPMENT ON CONCRETE ONLY

IF, FOR ANY REASON, A NEW CONCRETE SLAB SECTION IS REQUIRED, THE MINIMUM THICKNESS, COMPRESSIVE STRENGTH, AND AGING ARE MANDATORY. FOR YOUR PROTECTION, CERTIFIED STRENGTH DOCUMENTATION SHOULD BE OBTAINED FROM THE FIRM WHO SUPPLIES THE CONCRETE MIXTURE AT THE TIME OF THE POUR. SPECIAL CONSIDERATION SHOULD BE MADE TO THE JOINING OF THE EXISTING FLOOR AND THE NEW SECTION BEING ADDED. CHECK WITH BUILDING ARCHITECT. THE SUGGESTED SIZE OF THE NEW CONCRETE SLAB SECTION IS LISTED IN THE, **NEW SLAB RECOMMENDATIONS SECTION.**

CAUTION

THE EQUIPMENT DESCRIBED IN THIS MANUAL COULD BE POTENTIALLY DANGEROUS IF IMPROPERLY OR CARELESSLY OPERATED. FOR THE PROTECTION OF ALL PERSONS AND EQUIPMENT, ONLY COMPETENTLY TRAINED OPERATORS WHO ARE CRITICALLY AWARE OF THE PROPER OPERATING PROCEDURES, POTENTIAL DANGERS, AND SPECIFIC APPLICATION OF THIS EQUIPMENT SHOULD BE ALLOWED TO TOUCH THE CONTROLS AT ANY TIME.

SAFE OPERATION OF THIS EQUIPMENT IS DEPENDENT ON USE, IN COMPLIANCE WITH THE OPERATION PROCEDURES OUTLINED IN THIS MANUAL ALONG WITH THE MAINTENANCE AND INSPECTION PROCEDURES WITH CONSIDERATION OF PREVAILING CONDITIONS.

THE EQUIPMENT DESCRIBED IN THIS MANUAL IS NEITHER DESIGNED NOR INTENDED FOR ANY APPLICATION ALONE OR IN CONJUNCTION WITH ANY OTHER EQUIPMENT THAT INVOLVES THE LIFTING OR MOVING OF **PERSONS.**

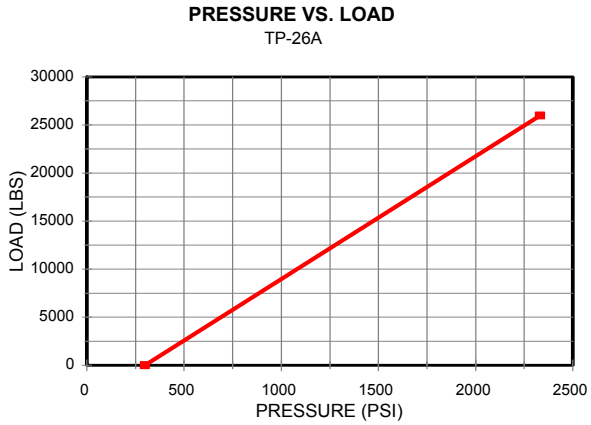
ALWAYS CONSULT THE VEHICLE LIFTING GUIDE FOR THE PROPER LIFTING POINTS ON ANY VEHICLE. THESE GUIDES ARE AVAILABLE FROM THE VEHICLE MANUFACTURERS.
AFTER LIFTING THE VEHICLE TO THE DESIRED HEIGHT, ALWAYS LOWER THE UNIT ONTO THE MECHANICAL SAFETIES. THE FORMING OF GOOD OPERATIONAL WORK HABITS WILL ELIMINATE OVERSIGHTS IN THE USE OF PROVIDED SAFETY DEVICES.

TP-30A SPECIFICATIONS

TP-26A & TP-30A SPECIFICATIONS

LIFT TYPE / TWO POST	ELECTRIC / HYDRAULIC
TP-26 LIFTING CAPACITY	26,000 LBS.
TP-30 LIFTING CAPACITY	30,000 LBS.
TP-26 PER ARM CAPACITY	6,500 LBS.
TP-30 PER ARM CAPACITY	7,500 LBS.
LIFTING SPEED APPROX.	130 SECONDS
LIFTING HEIGHT	72 INCHES
OVERALL WIDTH	180 INCHES
WIDTH BETWEEN POST	144 INCHES
WIDTH BETWEEN CARRIAGES	122 INCHES
CYLINDER EXTENSION	162-5/8 INCHES
POST HEIGHT	121-1/2 INCHES
OVERHEAD HYDRAULIC LINES	192 INCHES
LIFTING PAD HEIGHT (MIN)	7-1/8 INCHES
LIFTING PAD HEIGHT (MAX)	79-1/8 INCHES

PERFORMANCE TABLE



PRE-EXISTING FLOOR REQUIREMENTS

MINIMUM THICKNESS	MINIMUM COMPRESSIVE STRENGTH	MINIMUM AGING
12 IN *	4000 P.S.I.	28 DAYS

* - 8 INCH FOR WIDER BASE MODELS

DO NOT INSTALL ANY MOHAWK LIFT ON ANY SURFACE OTHER THAN CONCRETE CONFORMING TO THE MINIMUM COMPRESSIVE STRENGTH, MINIMUM AGING, AND THE MINIMUM THICKNESS STATED ABOVE.

DO NOT INSTALL ANY MOHAWK LIFT ON EXPANSION SEAMS OR ON CRACKED, OR DEFECTIVE CONCRETE.

DO NOT INSTALL ANY MOHAWK LIFT ON SECONDARY FLOOR LEVELS OR ANY SURFACE WITH A BASEMENT BENEATH WITHOUT WRITTEN AUTHORIZATION FROM THE BUILDING ARCHITECT. NEVER HAND MIX YOUR OWN CONCRETE.

IF FOR ANY REASON A NEW CONCRETE SLAB SECTION IS REQUIRED, FOLLOW THE INSTRUCTIONS FOR THE FLOOR MODIFICATION DATA.

SHIPPING WEIGHT	8,170 LBS.

POWER UNIT SPECIFICATIONS

BRAND NAME	MONARCH
MODEL	T-09-08-0-18-02-1-05-07-0-1
POWER UNIT TYPE	VERTICAL
MOTOR VOLTAGE	208 / 230
F.L.A. AT RATED CAPACITY	15.0 / 13.2
MOTOR HORSEPOWER	FIVE
MOTOR PHASE	3
MOTOR CYCLE / HERTZ	60
MOTOR SPEED (R.P.M.)	1,800
PUMP FLOW (G.P.M.)	3.3 @ 1,800 R.P.M.
RELIEF VALVE SETTING	2,900 P.S.I.
WORKING PRESSURE	2,700 P.S.I.
RESERVOIR CAPACITY	8 GALLONS
HYDRAULIC FLUID MEDIUM	DEXRON III

SUGGESTED SITE SELECTION / BAY SIZE

WIDTH	DEPTH	HEIGHT
* 20 FEET	25 FEET	20 FEET

* - 22 FEET FOR WIDER BASE MODELS

NOTE

THE PLACEMENT OF THE UNIT IS DETERMINED BY THE TYPE (LENGTH, WIDTH, HEIGHT) OF VEHICLE BEING SERVICED.

AIR VALVE TRIO

FILTER / REGULATOR	LUBRICATOR / OIL TYPE
65 PSIG	SAE NO. 10

IT IS NOT RECOMMENDED TO OPERATE THE LIFT UNDER 33 deg. F. DUE TO AIR LINE FREEZING.

FLOOR MODIFICATION DATA
NEW FLOOR SECTION

THICKNESS	SLAB SIZE WIDTH X LENGTH	CUBIC YARDS
12 INCHES	72 INCHES X 198 INCHES	3.6

IF, FOR ANY REASON, A NEW CONCRETE SLAB SECTION IS REQUIRED, MINIMUM THICKNESS, COMPRESSIVE STRENGTH, AND PROPER AGING IS MANDATORY.

THE NEW SLAB SECTION MUST BE TOTALLY SURROUNDED BY AN EXISTING CONCRETE FLOOR WHICH IS STRUCTURALLY SOUND. CERTIFIED STRENGTH DOCUMENTATION SHOULD BE OBTAINED FROM THE FIRM WHO SUPPLIES THE CONCRETE MIXTURE AT THE TIME OF THE POUR. SEE THE TP-26A FLOOR MODIFICATION DRAWING.

NEVER HAND MIX THE CONCRETE.

TP-26A & TP-30A PACKING LIST

*** ALSO SEE DRAWINGS MAN 862 / MAN 761 IN PARTS MANUAL ***

ORDER NUMBER	PART NUMBER	PART DESCRIPTION	QTY.
		MAN 862 - PARTS BOX CONTENTS	
040	012-012-047	LIFTING PAD	4
891	601-800-092	MANUAL (ALI / LP-GUIDE)	1
612	601-800-003	MANUAL (LIFTING IT RIGHT)	1
649	601-800-007	MANUAL (ALI SAFETY REQUIREMENTS)	1
	601-800-014	MANUAL (INSTALLATION)	1
613	601-800-006	SAFETY TIPS CARD	1
	MAN 761	SMALL PARTS BAG	1
	601-420-084	FITTING (STRAIGHT, INT PIPE, 1/4 NPT TO # 6 JIC MALE)	2
	020-000-408	AIR HOSE, 1/4 ID X 302 INCH	1
	600-670-006	WEJ-IT, 1” X 10” LG (FOR TP-26A & TP-30A ONLY)	14
	600-670-012	WEJ-IT, 1” X 8” LG (FOR TP-26-WB & TP-30-WB ONLY)	28
	007-007-033	LINE SUPPORT WELDMENT	2
046	018-000-106	HEIGHT ADAPTER 5 INCH	4
057	012-012-151	HEIGHT ADAPTER 7-1/2 INCH	4
047	018-000-105	HEIGHT ADAPTER 10 INCH	4
		MAN 761 - SMALL PARTS BAG CONTENTS	
021	601-310-005	BREATHER CAP	1
	601-410-042	VALVE, (PULL TYPE, DIVERTER VALVE)	1
	600-710-010	WASHER, 1 INCH SAE FLAT	14
	601-460-011	SWING ARM BOLT CAPS	4

RECOMMENDED TOOL LIST

SIZE / QTY	DESCRIPTION	USED IN
2 - 1/4 IN	WRENCH & SOCKET	SWING ARM PINS
1 - 1/2 IN	SOCKET	POST MOUNTING BOLTS
1 - 1/8 IN	SOCKET	POWER UNIT MOUNTING BRACKET
1 - 1/6 IN	WRENCH	POWER UNIT MOUNTING BRACKET
11/16 IN	WRENCH	HYDRAULIC LINES
5/8 IN	WRENCH	HYDRAULIC LINES
1/2 IN	WRENCH & SOCKET	ACCESS PLATES
7/16 IN	WRENCH & SOCKET	STARTER BOX
1 8 FT. MIN.	CHAIN / NYLON STRAP	ERECTING POST / POWER UNIT
1	FLAT HEAD SCREW DRIVER	AIR REGULATOR
1	RATCHET WRENCH	AS NEEDED
1	VICE GRIPS	AS NEEDED
1	CRESCENT WRENCH	AS NEEDED
1	4 FT BUBBLE LEVEL	VERIFY LEVEL ASSEMBLY
1	PRY BAR	ADJUSTING / MOVING HEAVY ITEMS
1	TIN SNIPS	PACKAGING BANDING
1	CHALK LINE	FLOOR LAYOUT
1	SOAP STONE	FLOOR LAYOUT
1	25 FT TAPE MEASURE	FLOOR LAYOUT / SQUARING POST
1 2 TON MIN.	FORK TRUCK OVERHEAD CRANE	LIFTING / ERECTING / MOVING HEAVY ITEMS
8 FT	STEP LADDER	ASSEMBLE ELEVATED ITEMS

BEFORE INSTALLING A LIFT

IMPORTANT

BEFORE INSTALLING A MOHAWK LIFT THERE ARE A FEW ITEMS THAT MUST BE INSPECTED. EACH REPAIR SHOP BAY IS DIFFERENT. IN AN ATTEMPT TO PREVENT OVERSIGHTS, ALL OF THE FOLLOWING INFORMATION IS TO BE VERIFIED.

OVERHEAD OBSTRUCTIONS

THE AREA IN WHICH THE LIFT WILL BE LOCATED SHALL BE FREE OF OBSTRUCTIONS. HEATERS, BUILDING SUPPORTS, ELECTRICAL CONDUIT, ETC.

DEFECTIVE CONCRETE

VISUALLY INSPECT THE BAY FLOOR AREA. THE UNIT CAN NOT BE INSTALLED ON EXPANSION SEAMS, OR CONCRETE WHICH IS CRACKED. THE UNIT IS ONLY AS STRONG AS THE FLOOR IT IS INSTALLED ON.

FLOOR REQUIREMENTS

THIS INFORMATION IS IN THE GENERAL FLOOR REQUIREMENTS. IF THE BAY FLOOR DOES NOT CONFORM TO THESE SPECIFICATIONS, REFER TO THE "NEW SLAB RECOMMENDATIONS" SECTION IN THIS MANUAL.

LOCATE THE MAIN SIDE POST ON THE HIGH SIDE OF THE FLOOR IF A SLOPE IS NOTED.

POWER SUPPLY

THE STANDARD POWER UNIT IS 220 VOLT THREE PHASE. REFER TO THE POWER SUPPLY SPECIFICATIONS. REQUIREMENTS MAY VARY ON SPECIAL ORDERS.

THE MAIN SIDE POST WILL REQUIRE THE POWER SUPPLY FOR THE UNIT. NOTE THE LOCATION OF THE POWER SUPPLY.

AIR SUPPLY

THE MAIN SIDE POST WILL REQUIRE THE AIR SUPPLY FOR THE UNIT.

BAY SIZE

TO OPTIMIZE SHOP SPACE, IT IS ADVISED TO LOCATE A VEHICLE IN THE BAY PRIOR TO LAYOUT. NOTE WALKWAY'S OVERHEAD OBSTRUCTIONS, AND ABILITY TO MOVE EQUIPMENT IN THE BAY AREA. REQUIREMENTS MAY VARY ON SPECIAL ORDERS.

SPECIFICATIONS

REFERENCE ALL SPECIFICATIONS PRIOR TO INSTALLING A LIFT.

IMPORTANT:

- ALL INFORMATION, ILLUSTRATIONS, AND SPECIFICATIONS IN THIS MANUAL ARE BASED ON THE LATEST PRODUCT IMFORMATION AVAILABLE AT THE TIME OF PRINTING. WE RESERVE THE RIGHT TO MAKE CHANGES AT ANY TIME WITHOUT NOTICE.
- ON SPECIAL UNIT ORDERS, ALWAYS REFER TO THE LAYOUT DIAGRAMS IN THE FIGURE/DIAGRAM SECTION OF THE MANUAL. SPECIFIC INFORMATION PERTAINING TO THIS LIFT (LENGTH, WIDTH, ETC.) ARE FOUND IN THIS SECTION.

WARNING

BEFORE DRILLING THE MOUNTING HOLES

- ALL ANCHORS MUST BE A MINIMUM OF 6 INCHES AWAY FROM ANY EXPANSION SEAMS, CONTROL JOINTS, OR OTHER INCONSISTENCIES IN THE CONCRETE. REFER TO ANCHOR MANUFACTURER SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING EDGE DISTANCES AND BOLT TO BOLT DISTANCE REQUIREMENTS.
- REFERENCE ALL FIGURES PERTAINING TO DRILLING, WEJ-IT WARNINGS, AND INSTALLATION INSTRUCTIONS.
- CHECK THE INSIDE DIMENSIONS OF THE POST AT THE BOTTOM FROM THE FACE OF THE MAIN SIDE POST TO THE FACE OF THE OFF SIDE POST. THE INSIDE DIMENSION IS 132 INCHES.
- USE A SHARP DRILL BIT TO PREVENT DRILLING AN UNDERSIZED HOLE. DRILL THE HOLE EQUAL TO THE LENGTH OF THE WEJ-IT ANCHOR. BLOW OUT THE HOLE WITH SHOP AIR, OR VACUUM. INSERT THE WEJ-IT ANCHOR SO THAT THE WASHER RESTS AGAINST THE POST FOOTING.
- NEVER USE AN IMPACT TOOL TO TIGHTEN THE WEJ-IT ANCHORS. USE A TORQUE WRENCH ONLY.
- MAKE SURE THE CONCRETE IS SOLID WHEN DRILLING. CRACKS AND EXPANSION SEAMS REDUCE THE EFFECTIVENESS OF THE WEJ-IT ANCHOR. NEVER INSTALL THE ANCHOR UNDER THESE CONDITIONS.

INSTALLATION INSTRUCTIONS

IMPORTANT

READ THIS MANUAL IN ITS ENTIRETY. BE FAMILIAR WITH PART NAMES AND HAVE A GOOD UNDERSTANDING OF HOW THIS UNIT IS TO BE ASSEMBLED AND OF HOW INDIVIDUAL PARTS OPERATE, BEFORE ASSEMBLING THE UNIT.
REFER TO ANSI/ALI ALIS, SAFETY REQUIREMENTS FOR INSTALLATION AND SERVICE OF AUTOMOTIVE LIFTS.

INSTALLING THE LIFT

USE THE PACKING LIST IN THIS MANUAL TO VERIFY ALL SUPPLIED PARTS.

WARNING

- EACH POST WEIGHS OVER 4,000 LBS. ERECT THE POSTS WITH CHAINS AND STRAPS ATTACHED TO THE TOP OF THE POST. DO NOT REMOVE THE CHAINS AND STRAPS UNTIL THE POST HAS BEEN SECURED.

ERECT THE MAIN AND OFF SIDE POSTS TO THE UP-RIGHT POSITION. ALIGN TO DIMENSIONS SHOWN IN SPECIFICATION DRAWING. OBSERVE ANCHOR BOLT INSTALLATION INSTRUCTIONS AS SHOWN IN BACK OF MANUAL.

SHIMMING THE POST

LEVEL THE POST BY INSERTING THE SUPPLIED SHIMS UNDER THE POST FOOTING AROUND THE WEJ-IT ANCHOR. THE LIFT MUST BE LEVEL BOTH FRONT TO REAR AND SIDE TO SIDE. A LEVELING DEVICE AND A MEASURING TAPE MUST BE USED.

- LEVEL THE MAIN SIDE POST FRONT TO REAR AND SIDE TO SIDE USING A BUBBLE LEVEL.
- LEVEL THE OFF SIDE POST FRONT TO REAR USING A BUBBLE LEVEL. SET THE POST PARALLEL TO THE MAIN SIDE POST USING A MEASURING TAPE, MEASURING FROM THE EDGE OF THE MAIN SIDE CHANNEL TO THE EDGE OF THE OFF SIDE CHANNEL AT THE BASE AND AT THE TOP OF THE POST.
- THE MEASUREMENT AT THE TOP OF THE POST MUST BE THE SAME AS THE MEASUREMENT AT THE BASE OF THE POST

SECURE THE MAIN AND OFF SIDE POSTS TO THE BAY FLOOR USING THE (14) 1" DIA X 10" LG ANCHOR BOLTS. USE (28) 1" DIA X 8" LG ANCHORS FOR WIDER BASE MODELS. POSITION THE POWER UNIT MOUNTING BRACKET TO THE TOP SIDE OF THE POST. SECURE THE POWER UNIT TO THE MAIN SIDE POST.

REMOVE THE STARTER BOX COVER. USING THE THREE 1/4 X 1 INCH BOLTS, WASHERS & NYLON LOCK NUTS, SECURE THE STARTER BOX WITH AIR LINE TRIO TO THE MAIN SIDE POST. REPLACE STARTER BOX COVER.

REMOVE THE BREATHER PORT PLUG ON THE POWER UNITS RESERVOIR AND DISCARD. VERIFY FLUID LEVEL. (1/2 IN. BELOW BREATHER PORT WHEN BOTH CYLINDERS ARE FULLY RETRACTED) ADD DEXRON III AS NEEDED TO FILL. ALWAYS USE A CLEAN FUNNEL AND FILTER. INSTALL THE BREATHER CAP.

REMOVE THE PULL VALVE PORT PLUG ON THE DIVERTER VALVE. INSERT AND TIGHTEN THE PULL VALVE. TIGHTEN TO 10 FOOT POUNDS. REFER TO DIVERTER VALVE ASSEMBLY

REMOVE THE MAIN AND OFF SIDE ACCESS PANELS AT THE BASE OF THE POSTS. ROUTE THE THREE 14 FT 6 IN HYDRAULIC / AIR HOSES THROUGH THE SUB-FRAME. ROUTE THE 90 deg. END OF THE 3/8 IN HYDRAULIC HOSE TO THE OFF SIDE.

CONNECT / SECURE THE TWO HYDRAULIC HOSES (ONE 3/8 IN HOSE & ONE 1/4 IN HOSE) TO THE HYDRAULIC SYSTEM. REFER TO THE TP-26A HYDRAULIC SYSTEM. USING THE STRAIGHT 1/4 NPT FEMALE TO # 6 JIC MALE FITTING, CONNECT / SECURE THE 1/4 IN AIR HOSE. REFER TO THE PNEUMATIC SYSTEM DRAWING.

USING THE 1/4 INCH AIR TUBING INSERT ONE END TO THE AIR LINE TRIO. ROUTE THE OPPOSITE END OVER AND THROUGH THE TOP OF THE MAIN SIDE POST. CONNECT THE AIR HOSE TO THE 1/4 INCH UNION TEE FITTING.

AIR LINE HOOKUP

REGULATOR: BEFORE TURNING ON AIR SUPPLY, DISENGAGE THE ADJUSTING KNOB ON THE REGULATOR BY PULLING UPWARD. TURN ADJUSTING KNOB COUNTERCLOCKWISE UNTIL COMPRESSION IS RELEASED FROM PRESSURE CONTROL SPRING. CONNECT SHOP AIR TO THE AIR LINE QUICK COUPLER PLUG. PROCEED TO ADJUST THE DOWNSTREAM PRESSURE BY TURNING ADJUSTING KNOB CLOCKWISE. ADJUST THE PRESSURE TO 65 PSIG.

TO DECREASE REGULATED PRESSURE SETTINGS, ALWAYS RESET FROM A PRESSURE LOWER THAN FINAL SETTING REQUIRED. WHEN DESIRED SECONDARY PRESSURE SETTINGS HAVE BEEN REACHED, PUSH THE ADJUSTING KNOB DOWN TO LOCK.

LUBRICATOR: INLET PRESSURE MUST BE ELIMINATED BEFORE FILL PLUG OR BOWL IS REMOVED. FILL TO FILL LINE ON THE BOWL. USE SAE NO. 10 PETROLEUM BASE HYDRAULIC OIL. REPLACE THE FILL PLUG AND/OR BOWL ASSEMBLY FIRMLY - EXCESSIVE TORQUE IS NOT NECESSARY.

DO NOT USE OILS WITH ADHESIVES OR TACKY ADDITIVES. COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, SOAPS OR DETERGENTS ARE NOT RECOMMENDED. (AUTOMOTIVE OILS GENERALLY CONTAIN DETERGENT)

INSTALLATION INSTRUCTIONS CONTINUED

AT THIS TIME HAVE A QUALIFIED ELECTRICIAN CONNECT THE POWER SUPPLY TO THE UNIT

REMOVE THE PACKING BRACKETS FROM THE MAIN AND OFF SIDE CARRIAGE.

ENGAGE THE UP BUTTON AND RAISE THE CARRIAGES APPROX. 3 FEET, OR TO A SUITABLE HEIGHT FOR INSTALLING THE SWING ARMS.

LIFTING UP ON THE SWING ARM RESTRAINT. INSERT THE FOUR SWING ARMS INTO THE CARRIAGES. ALIGN THE THROUGH HOLES IN THE CARRIAGES WITH THE THROUGH HOLES IN THE SWING ARMS. SECURE THE SWING ARMS TO THE CARRIAGES USING THE FOUR SWING ARM PINS AND EIGHT NYLON LOCK NUTS.

PLACE THE FOUR LIFTING PADS INTO PLACE AT THE END OF EACH SLIDER.

PLACE THE 12 HEIGHT ADAPTERS INTO PLACE ON THE SIDE OF THE MAIN AND OFF SIDE POST.

BLEEDING PROCEDURE

ENGAGE THE UP BUTTON ON THE POWER UNIT. OBSERVE THE CARRIAGE. WHEN THE MAIN AND OFF SIDE CARRIAGES HAVE REACHED FULL HEIGHT CONTINUE TO RUN THE UNIT FOR TWO MINUTES. (THIS WILL PURGE THE AIR FROM THE HYDRAULIC SYSTEM)

NOTE

- LISTEN FOR THE PRESSURE RELIEF VALVE.. A NOTICEABLE INCREASE IN POWER UNIT VOLUME THIS WILL INDICATE AN EXCESS OF SHIMS BENEATH THE YOKE ASSEMBLIES RESTRICTING THE MAIN OR OFF SIDE CYLINDERS FROM REACHING FULL STROKE. IF THIS OCCURS, REMOVE ONE SHIM FROM BENEATH THE YOKE.

AT THIS TIME PERFORM THE PRE-OPERATION CHECK LIST AND MAINTENANCE PROCEDURES (DAILY - WEEKLY - MONTHLY) MAKE ALL ADJUSTMENTS PERTAINING TO THESE PROCEDURES.

DIVERTER VALVE OPERATION

WARNING

AS WITH ALL FUNCTIONS OF THE LIFT UNIT , NEVER OPERATE THE DIVERTER VALVE UNLESS YOU HAVE FIRST PERFORMED THIS OPERATION WITH NO VEHICLE, AND FULLY UNDERSTAND ITS FUNCTIONS.

BOTH MECHANICAL SAFETIES MUST BE ENGAGED BEFORE OPERATING THE DIVERTER VALVE.

PURPOSE

- THE PURPOSE OF THE DIVERTER VALVE IS TO ENABLE THE OPERATOR TO RAISE OR LOWER THE OFF SIDE CARRIAGE INDEPENDENTLY OF THE MAIN SIDE CARRIAGE.

TO OPERATE THE DIVERTER VALVE

ENGAGE THE DIVERTER VALVE BY PULLING THE DIVERTER VALVE PULL KNOB.

- THIS WILL DIVERT ALL FUNCTIONS OF THE POWER UNIT TO THE OFF SIDE CYLINDER .

WITH THE VALVE ENGAGED, ENERGIZE THE POWER UNIT BY PUSHING THE UP BUTTON.

WHEN THE DESIRED HEIGHT HAS BEEN ACHIEVED, RELEASE THE DIVERTER VALVE PULL KNOB AND THE UP BUTTON.

ENGAGE THE DOWN BUTTON, LOWER THE UNIT ONTO BOTH MECHANICAL SAFETIES ENDING THIS PROCEDURE.

SAFETY TIPS

PLEASE POST THE **AUTOMOTIVE LIFT SAFETY TIPS CARD, (A COPY IS INCLUDED IN THE PARTS BOX)** WHERE THEY WILL BE CONSTANTLY REMINDED TO YOUR LIFT OPERATOR. FOR INFORMATION SPECIFIC TO THE LIFT, ALWAYS REFER TO THE MOHAWK MANUAL.

- INSPECT YOUR LIFT DAILY. NEVER OPERATE IT IF IT MALFUNCTIONS OR IF IT HAS BROKEN OR DAMAGED PARTS. REPAIRS SHOULD BE MADE WITH ORIGINAL MOHAWK PARTS.
- OPERATING CONTROLS ARE DESIGNED TO CLOSE WHEN RELEASED. DO NOT BLOCK OPEN OR OVERRIDE THEM.
- NEVER OVERLOAD YOUR LIFT BEYOND STATED LIFTING CAPACITY. RATED CAPACITY IS SHOWN ON NAMEPLATE AFFIXED TO THE LIFT.
- POSITIONING OF VEHICLE AND OPERATION OF THE LIFT SHOULD BE DONE ONLY BY TRAINED AND AUTHORIZED PERSONNEL.
- DO NOT ALLOW CUSTOMERS OR BY-STANDERS TO OPERATE THE LIFT OR TO BE IN A LIFTING AREA DURING ITS OPERATION. ONLY PROPERLY TRAINED PERSONNEL SHOULD BE ALLOWED TO OPERATE LIFT.
- NEVER RAISE A VEHICLE WITH PERSONS INSIDE.
- ALWAYS KEEP LIFT AREA FREE OF OBSTRUCTIONS, DEBRIS, GREASE, OIL.
- PERFORM THE PRE-OPERATION CHECK LIST, PER INSTRUCTIONS, BEFORE RAISING VEHICLE TO DESIRED HEIGHT.
- BEFORE DRIVING VEHICLE INTO THE BAY, POSITION ARMS AND SUPPORTS TO PROVIDE UNOBSTRUCTED CLEARANCE. DO NOT HIT OR RUN OVER LIFT ARMS, ADAPTERS, OR AXLE SUPPORTS. THIS COULD DAMAGE LIFT OR VEHICLE.
- LOAD VEHICLE ON LIFT CAREFULLY. POSITION LIFT SUPPORTS TO CONTACT AT THE VEHICLE MANUFACTURER'S RECOMMENDED LIFTING POINTS. RAISE LIFT UNTIL SUPPORTS CONTACT VEHICLE. CHECK SUPPORTS FOR SECURE CONTACT WITH VEHICLE. RAISE LIFT TO DESIRED WORKING HEIGHT. CAUTION: IF YOU ARE WORKING UNDER VEHICLE, LIFT SHOULD BE RAISED HIGH ENOUGH FOR LOCKING DEVICE TO BE ENGAGED.
- NOTE THAT WITH SOME VEHICLES, THE REMOVAL OR INSTALLATION OF COMPONENTS MAY CAUSE A CRITICAL SHIFT IN THE CENTER OF GRAVITY, AND RESULT IN RAISED VEHICLE INSTABILITY. REFER TO THE VEHICLE MANUFACTURER'S SERVICE MANUAL FOR RECOMMENDED PROCEDURES WHEN VEHICLE COMPONENTS ARE REMOVED.
- BEFORE LOWERING LIFT, BE SURE TOOL TRAY'S, STANDS, ETC. ARE REMOVED FROM UNDER VEHICLE. RELEASE LOCKING DEVICES BEFORE ATTEMPTING TO LOWER LIFT.
- BEFORE REMOVING VEHICLE FROM THE LIFT AREA, POSITION LIFT ARMS AND SUPPORTS TO PROVIDE AN UNOBSTRUCTED EXIT.

LIFT FINAL CHECKOUT (AFTER INSTALLATION):

REV (6/28/2012)

THIS PROCEDURE OUTLINES THE FINAL CHECKS TO MAKE AFTER INITIAL INSTALLATION OF THE LIFT UNIT. REPEAT THIS PROCEDURE IF THE LIFT IS RELOCATED.

AFTER THE LIFT IS FULLY ASSEMBLED, RAISE THE LIFT EMPTY A FEW TIMES TO VERIFY:

- PROPER SYNCHRONIZATION OF LIFT ARMS
- UNIT IS RAISING SMOOTHLY (AIR IS BLEED FROM HYDRAULIC SYSTEM - SEE BLEEDING PROCEDURE FOR MORE DETAILS)
- NO LEAKS PRESENT AT ANY FITTING JUNCTIONS
- LOCKS ARE ENGAGING ON BOTH POSTS AS LIFT IS RAISING
- LOCKS ARE DIS-ENGAGING ON BOTH POSTS WHEN RELEASE CABLE PULLED (SEE J-BAR ADJUSTMENT PROCEDURE)
- LOCKS ARE RE-ENGAGING AFTER DIS-ENGAGED WHEN LIFT IS RAISED
- LIFT IS NOT DRIFTING DOWN WHEN RAISED (RAISE LIFT, THEN STOP, AND VERIFY DRIFT DOWN OF CYLINDERS)
- NO VIBRATIONS FROM LOOSE CLAMPING, ETC.
- SWING ARMS ROTATE SMOOTHLY WHEN LIFT FULLY LOWERED AND LOCK IN PLACE WHEN LIFT RAISED

ONCE THIS IS COMPLETE, LOCATE A REPRESENTATIVE VEHICLE INTO THE LIFTING AREA. USE A VEHICLE THAT WEIGHS AT LEAST 75 PERCENT OF THE CAPACITY OF THE LIFT.
OBSERVING LIFTING PROCEDURES CONTAINED IN THIS MANUAL TO LOCATE VEHICLE IN LIFTING AREA, AND TO LOCATE LIFTING PADS AT LIFTING POINTS FOR VEHICLE, AND WHILE RAISING AND LOWERING.

RAISE LIFT APPROXIMATELY 1 FOOT. VERIFTY THE FOLLOWING:

- PROPER SYNCHRONIZATION OF LIFT ARMS
- NO LOOSENING OF REAR ANCHOR BOLTS IN BASE PLATES AT FLOOR (LOOK FOR GAP BETWEEN FLOOR AND BASES)
- UNIT IS RAISING SMOOTHLY (AIR IS BLEED FROM HYDRAULIC SYSTEM - SEE BLEEDING PROCEDURE FOR MORE DETAILS)
- NO LEAKS PRESENT AT ANY FITTING JUNCTIONS
- LOCKS ARE ENGAGING ON BOTH POSTS AS LIFT IS RAISING
- LIFT IS NOT DRIFTING DOWN WHEN RAISED (RAISE LIFT, THEN STOP, AND VERIFY DRIFT DOWN OF CYLINDERS)
- NO VIBRATIONS FROM LOOSE CLAMPING, ETC.

RELEASE LOCKS AND LOWER UNIT. VERIFY THE FOLLOWING:

- PROPER SYNCHRONIZATION OF LIFT ARMS
- UNIT IS LOWERING SMOOTHLY (AIR IS BLEED FROM HYDRAULIC SYSTEM - SEE BLEEDING PROCEDURE FOR MORE DETAILS)
- NO LEAKS PRESENT AT ANY FITTING JUNCTIONS
- NO VIBRATIONS FROM LOOSE CLAMPING, ETC.
- LOCKS ARE NOT RE-ENGAGING WHILE LOWERING

RAISE LIFT TO FULL STROKE. VERIFY THE FOLLOWING:

- PROPER SYNCHRONIZATION OF LIFT ARMS
- NO EXCESSIVE DEFLECTION OF POSTS OR ARMS
- NO LOOSENING OF REAR ANCHOR BOLTS IN BASE PLATES AT FLOOR (LOOK FOR GAP BETWEEN FLOOR AND BASES)
- UNIT IS RAISING SMOOTHLY (AIR IS BLEED FROM HYDRAULIC SYSTEM - SEE BLEEDING PROCEDURE FOR MORE DETAILS)
- NO LEAKS PRESENT AT ANY FITTING JUNCTIONS
- LOCKS ARE ENGAGING ON BOTH POSTS AS LIFT IS RAISING
- LIFT IS NOT DRIFTING DOWN WHEN RAISED (RAISE LIFT, THEN STOP, AND VERIFY DRIFT DOWN OF CYLINDERS)
- NO VIBRATIONS FROM LOOSE CLAMPING, ETC.

LOWER LIFT ONTO LOCKS. VERIFY THE FOLLOWING:

- LOCK IS ENGAGING UPON DESCENT
- PROPER SYNCHRONIZATION OF LIFT ARMS

RAISE, THEN RELEASE LOCKS, THEN LOWER VEHICLE TO FLOOR. VERIFY THE FOLLOWING:

- PROPER SYNCHRONIZATION OF LIFT ARMS
- UNIT IS RAISING & LOWERING SMOOTHLY (AIR IS BLEED FROM HYDRAULIC SYSTEM - SEE BLEEDING PROCEDURE FOR MORE DETAILS)
- NO LEAKS PRESENT AT ANY FITTING JUNCTIONS
- NO VIBRATIONS FROM LOOSE CLAMPING, ETC.
- LOCKS ARE NOT RE-ENGAGING WHILE LOWERING
- NO LOOSENING OF REAR ANCHOR BOLTS IN BASE PLATES AT FLOOR (LOOK FOR GAP BETWEEN FLOOR AND BASES)

ENSURE THAT ALL MANUALS AND OTHER INSTRUCTIONAL MATERIALS ARE DELIVERED TO OWNER/USER/EMPLOYER.
ENSURE THAT USERS ARE INSTRUCTED IN THE SAFE AND PROPER USER OF THE LIFT.
FINAL CHECKOUT OF LIFT IS COMPLETE.

2-POST LIMITATIONS AND ADAPTER USAGE:

REV (2/9/2006)

2-POST LIMITATIONS:

ALL MOHAWK 2-POST LIFTS ARE FOR INDOOR USE UNLESS SPECIFICALLY QUALIFIED AND MODIFIED FOR A CUSTOM ENVIRONMENT.

ALL MOHAWK 2-POST LIFTS MUST ACCOMPLISH THREE MAIN CRITERIA IN ORDER TO LIFT A VEHICLE SAFELY:

1. **PROPER FRAME ENGAGEMENT WITH PADS.** ALL 2-POST FRAME ENGAGING LIFTS ARE DESIGNED TO LIFT STANDARD VEHICLES WITHIN THEIR RATED CAPACITY BY THE VEHICLE FRAME. IF SUITABLE FRAME CONTACT LIFT POINTS CAN NOT BE REACHED OR ACCOMMODATED BY THE LIFTING PADS, THE VEHICLE MUST NOT BE RAISED WITH THE LIFT. REFER TO VEHICLE MANUFACTURER LIFTING POINT SPECIFICATIONS (AND VEHICLE LIFT POINT LABEL PER SAE J2184, VEHICLE LIFT POINTS FOR SERVICE GARAGE LIFTING).
2. **PROPER CENTER OF GRAVITY PLACEMENT OF VEHICLE ON LIFT** ENSURE THAT THE CENTER OF GRAVITY OF THE VEHICLE LIES CENTERED BETWEEN THE LIFTING ARMS. THIS SHOULD PLACE THE CENTER OF GRAVITY OF THE VEHICLE IN LINE WITH THE CENTER OF THE POSTS AS WELL.
3. **PROPER LOADING OF ARMS.** INDIVIDUAL ARM CAPACITIES ARE ¼ OF THE RATED LIFT CAPACITY, AND MUST NOT BE EXCEEDED. FOR INSTANCE, A 10,000 LB RATED 2-POST LIFT HAS ARMS THAT ARE RATED FOR 2,500 LBS EACH. IT IS POSSIBLE THAT A 10,000 LB VEHICLE CAN OVERLOAD THE ARMS ON A 10,000 LB LIFT IF THE FRONT AND REAR LOADING ARE NOT EQUAL.

WITH RESPECT TO HEAVY ENDED VEHICLES SUCH AS FORK TRUCKS, DELIVERY VANS, PICKUP TRUCKS, ETC, ATTENTION MUST BE MADE TO ENSURE THAT THE PER ARM CAPACITY OF THE LIFTING ARMS IS NOT EXCEEDED AND THAT THE CENTER OF GRAVITY OF THE VEHICLE LIES CENTERED BETWEEN THE LIFTING ARMS.

SPECIAL SAFETY PRECAUTIONS MUST BE OBSERVED IN APPLICATIONS INVOLVING VERY LONG AND VERY SHORT WHEELBASE VEHICLES. 2-POST LIFTS ARE NOT DESIGNED TO RAISE STRETCHED LIMOS AND OTHER TYPES OF LONG WHEEL BASE VEHICLES. AS A RULE OF THUMB, THE VEHICLE LENGTH ON A 2-POST MUST BE LIMITED TO 4 TIMES THE LENGTH OF THE ARM SPREAD TO RAISE IT. THE CENTER OF GRAVITY ON THIS VEHICLE MUST LIE BETWEEN THE LIFTING PADS TO ACCOMPLISH THIS. NOTE THAT SOME VEHICLES, PER VEHICLE MANUFACTURER GUIDELINES, ARE NOT TO BE RAISED BY THE FRAME. REFER TO VEHICLE MANUFACTURER GUIDELINES FOR PROPER LIFTING TECHNIQUES.

THIS LIFT IS NOT INTENDED, NOR DESIGNED, TO LIFT VEHICLE FRONT OR BACK ENDS USING ONLY TWO ARMS.

CARE MUST BE OBSERVED WHEN REMOVING ANY HEAVY COMPONENTS FROM A VEHICLE AND THEREBY DRASTICALLY SHIFTING THE VEHICLE CENTER OF GRAVITY (I.E. ENGINE REMOVAL, TRANSMISSION REMOVAL, ETC.). THE USE OF JACK STANDS AT THE FRONT AND REAR ENDS OF THE VEHICLE IS HIGHLY RECOMMENDED WHEN PERFORMING THIS TYPE OF WORK.

ADAPTER USAGE AND LIMITATIONS:

THE USE OF HEIGHT ADAPTERS IS COMMON FOR MOST LIFTING SITUATIONS TO ACCOMMODATE HIGH FRAMES AND LOW OVERHANGING BODIES OF VEHICLES.

FOR A-7, A-7A, SYSTEM IA, SYSTEM IA-10, TOMAHAWK-9000:
THESE LIFTS COME STANDARD WITH (4) 3” AND (4) 6” HEIGHT ADAPTERS.
THESE LIFTS ARE ONLY ALLOWED TO USE 2 ADAPTERS WHEN STACKED: ONE (1) 6” AND ONE (1) 3” ADAPTER, RESULTING IN 9” MAXIMUM STACKING HEIGHT. LONGER CUSTOM SINGLE PIECE ADAPTERS ARE AVAILABLE UPON REQUEST.

FOR LMF-12, TP-15, TP-16, TP-18, TP-20, TP-26, TP-30:
THESE LIFTS COME STANDARD WITH (4) 5”, (4) 7 ½”, AND (4) 10” HEIGHT ADAPTERS.
THESE LIFTS ARE ONLY ALLOWED TO USE 2 ADAPTERS WHEN STACKED: ONE (1) 10” AND ONE (1) 7½” ADAPTER, RESULTING IN 17 1/2” MAXIMUM STACKING HEIGHT. LONGER CUSTOM SINGLE PIECE ADAPTERS ARE AVAILABLE UPON REQUEST.

THE USER SHOULD BE WARNED THAT ANY SITUATION PRODUCING AN OFF-VERTICAL SLANTING OF THE HEIGHT ADAPTERS, SUCH AS DEFLECTION OF THE ARM DUE TO HEAVY LOAD, DEFLECTION OF THE ARM DUE TO SLOP, ECCENTRIC CORNER LOADING OF THE LIFT PAD, ETC. MUST BE AVOIDED. CUPPED OR YOKE STYLE LIFTING PADS (WHICH DO NOT RELY ON FRICTION) ARE ALSO AVAILABLE FOR SITUATIONS INVOLVING LIFTING NON-FLAT SURFACES. CONSULT MOHAWK SERVICE DEPARTMENT FOR CUSTOM PAD REQUESTS FOR YOU APPLICATION.

PRE - OPERATION CHECK LIST

TRAINED OPERATOR

- THE OPERATOR MUST BE FULLY TRAINED AND QUALIFIED TO SAFELY AND EFFECTIVELY OPERATE THIS EQUIPMENT OF THIS SPECIFIC MAKE AND MODEL.

ABSENCE OF OBSTRUCTIONS

- THE TOTAL WORK AREA MUST BE FREE OF ANY AND ALL OBSTRUCTIONS AND BE GENERALLY CLEAN. (FREE OF OIL AND DEBRIS)

VISUAL INSPECTION

- THOROUGHLY INSPECT THE UNIT WITH A TRAINED EYE, NOTING ANY PROBLEM AREAS. INSPECT THE FLOOR AND THE ANCHORING FASTENERS AS WELL. REPORT ANY QUESTIONABLE ITEMS

.

- THOROUGHLY INSPECT ALL LIFTING PADS AND HEIGHT ADAPTERS FOR ANY WEAR, RUST, DEBRIS, OR DEFORMITIES. IF NEEDED THROUGHLY CLEAN AND OIL WITH LIGHT OIL OR LUBRICANT, SUCH AS WD-40. ENSURE NO OIL OR GREASE IS PRESENT ON TOP SURFACES OF PADS, WHERE PADS CONTACT VEHICLE PICK POINTS.

AIR PRESSURE TO LIFT

- INSURE SUFFICIENT AIR IS AVAILABLE TO THE LIFT TO OPERATE THE PNEUMATIC LOCK SYSTEM.

NO LOAD PERFORMANCE CHECK

- ALL MECHANICAL SAFETIES OPERATE PROPERLY AND CONSISTENTLY.
- NO EXTERNAL FLUID LEAKS.
- NO BLEED DOWN.
- EFFORTLESS AND SIMULTANEOUS MOVEMENT.
- LEVEL LIFTING.
- CONTROLS FUNCTION PROPERLY.
- ALL SAFETY MECHANISMS FULLY FUNCTIONAL.

PREVIOUS DAY' S OPERATION REPORT

- VERIFY WITH SUPERVISOR THAT THERE WERE NO PROBLEMS EXPERIENCED THE PREVIOUS DAY. IF THERE WERE ANY PROBLEMS, VERIFY THAT ALL NECESSARY REPAIRS HAVE BEEN COMPLETED.

LIFTING PROCEDURES

LIFT PREPARATION AND VEHICLE POSITIONING

- PERFORM PRE-OPERATION CHECK LIST ITEM BY ITEM.
- POSITION THE SWING ARMS TO THE OUTSIDE OF THE UNIT.
- POSITION THE VEHICLE CENTERED BETWEEN THE POSTS.

NOTE:

ALIGN THE VEHICLE'S CENTER OF GRAVITY WITH THE CENTERLINE OF THE POSTS. THIS CAN BE VERIFIED BY VIEWING THE CAM FOLLOWER BEARINGS ON THE CARRIAGE. THESE BEARINGS ARE LOCATED AT EACH CORNER OF THE CARRIAGE. CENTERING OF VEHICLE IS ACHIEVED WHEN ALL 4 CAM FOLLOWER BEARINGS ARE FREE TO SPIN.

- PLACE THE LIFTING PADS PER MFG'S RECOMMENDED LIFT POINTS FOR THE VEHICLE. REFER TO ALI/LP-GUIDE, ALI/SMO1-2 "LIFTING IT RIGHT" GUIDE, AND REFER TO THE RECOMMENDED LOCATION AND FORMAT OF THE VEHICLE LIFT POINT LABEL PER ANSI/SAE J2184-OCT92.
- FRAME RAILS/PICK POINTS ARE TO BE CENTERED ON LIFTING PADS AND REST FLAT ON LIFTING PAD SURFACES (SEE FIGURE 16)
- LIFT PAD IS TO BE FULLY INSERTED INTO SLIDER HOLE OR HEIGHT ADAPTER.
- NO MORE THAN (2) YWO HEIGHT ADAPTERS ARE TO BE USED AT ANY TIME FOR ANY SINGLE LIFTING PAD.

CAUTION:

IF PROPER AND SAFE LIFTING POINTS ON THE FRAME OF THE VEHICLE CAN NOT BE REACHED BY THE LIFTING PADS, DO NOT RAISE THE VEHICLE!

TO RAISE

- ENGAGE THE UP-BUTTON ON THE POWER UNIT. STOP AND VERIFY LIFTING PAD POSITION WHEN THE LIFTING PADS HAVE MADE CONTACT WITH THE VEHICLE.
- RAISE VEHICLE TO THE DESIRED WORKING HEIGHT.
- DEPRESS THE DOWN BUTTON AND LOWER THE UNIT ONTO THE MECHANICAL SAFETIES.

TO LOWER

- INSPECT THE LIFTING AREA TO INSURE THAT ALL PERSONNEL AND DEBRIS HAVE BEEN CLEARED FROM THE LIFTING AREA.
- DEPRESS THE UP-BUTTON ON THE POWER UNIT. RAISE UNIT APPROXIMATELY TWO INCHES.
- DEPRESS THE LOCK RELEASE AND DOWN BUTTON. LOWER UNIT TO THE DESIRED WORKING HEIGHT.
- ALWAYS RAISE UNIT UNTIL BOTH MECHANICAL SAFETIES RE-ENGAGE. DEPRESS THE DOWN-BUTTON LOWERING THE UNIT ONTO THE MECHANICAL SAFETIES
- IF WORK IS COMPLETE, CONTINUE LOWERING THE UNIT UNTIL BOTH CARRIAGES ARE FULLY LOWERED.

NOTE: IF FOR ANY REASON, THE LIFT BECOMES INOPERATIVE IN THE RAISED POSITION WITH A VEHICLE ON IT, CONTACT YOUR LOCAL MOHAWK REPRESENTATIVE OR THE MOHAWK FACTORY.

MAINTENANCE PROCEDURES

QUALIFIED MAINTENANCE PERSONNEL ONLY

DAILY

- PERFORM THE PRE-OPERATION CHECK LIST.
- REPORT ANY AND ALL EQUIPMENT MALFUNCTIONS IMMEDIATELY.
- CLEAN ALL MOVING PARTS. (IT IS NOT RECOMMENDED TO GREASE THE INSIDE OF THE CHANNEL ON THE POST, SWING ARMS OR SWING ARM RESTRAINTS.) IF OXIDIZATION IS OCCURRING USE A LIGHT LUBRICANT. (WD-40 OR EQUIVALENT)
- KEEP AREA AROUND THIS EQUIPMENT FREE OF DIRT, SAND, WATER, ETC.

WEEKLY

- PERFORM THE DAILY OPERATION CHECK LIST.
- PERFORM THE HYDRAULIC SAFETY CHECKS. (SEE TROUBLE SHOOTING)
- WIPE CLEAN, THE CYLINDERS' WIPER SEALS AND THE BASE OF EACH POST TO REMOVE ANY WEEPING OIL AND DUST.
- VERIFY FLUID LEVEL. WITH THE UNIT FULLY LOWERED, THE FLUID LEVEL WILL BE 1/2 INCH BELOW THE BREATHER CAP PORT. USE DEXRON III AS REPLACEMENT FLUID.
- LUBRICATE THE ARM RESTRAINT ASSEMBLIES AS NEEDED TO INSURE FREE, AND SMOOTH OPERATION.
  (**DO NOT USE GREASE**)
- CYCLE UNIT TO FULL HEIGHT, AND BLEED APPROXIMATELY 30 SECONDS.
- CHECK LUBRICATOR FLUID LEVEL. FILL IF NEEDED.
- DRAIN FILTER REGULATOR OF EXCESSIVE MOISTURE.

MONTHLY

- INSPECT ALL HYDRAULIC COMPONENTS FOR LEAKS, DEFORMATION, WEAR OR CORROSION.
- TIGHTEN ALL FASTENERS, HYDRAULIC / PNEUMATIC FITTINGS AS REQUIRED.
  1. ALL O - RING BOSS FITTINGS JAM NUTS ARE TO BE TIGHTENED TO 15 FOOT POUNDS TORQUE.
  2. ALL PIPE FITTINGS, IF LEAKING ARE TO BE REMOVED, RE-SEALED, AND RE - INSTALLED. (SELECT - UNITE THREAD SEALANT OR EQUIVALENT ON FITTING THREADS)
- INSPECT MOUNTING BOLT CONDITIONS FOR ANY POSSIBLE CORROSION AND INSPECT THE FLOOR FOR ANY SIGNS OF FATIGUE OR FRACTURES.

SEMI- ANNUAL

- QUALIFY / RE-QUALIFY ALL PERSONNEL IN THE SAFE OPERATION OF THIS UNIT.
- VERIFY ALL FASTENERS TO PROPER TORQUE:
  SWING ARM NUTS TIGHTEN TO 1200 FT-LB,
  THEN BACK OFF UNTIL ARMS MOVE FREELY.
  CARRIAGE STOP FASTENERS TO 250 FT-LB
  LIFTING ROD NUTS TO 1200 FT-LB
  CYLINDER TOP BOLT TO 650 FT-LB
  ANCHORS (SEE ANCHOR SPECIFICATION SECTION)
- LUBRICATE LOCK BODY MAIN PIVOT PINS. REMOVE WITH SNAP RING PLIERS WHEN FULLY LOWERED AND CLEAN LOCK PIVOT PIN AND LOCK BODY HOLE. SPRAY PIN WITH A LIGHT LUBRICANT (WD-40 OR EQUIVALENT), THEN RE-ASSEMBLE, ENSURING SMOOTH MOTION.
- THE CHANNEL SECTIONS WHERE THE CARRIAGE BEARINGS RIDE AGAINST SHOULD BE CLEANED AND LUBRICATED USING SLIP PLATE OR A LIGHT LUBRICANT (WD-40).
- THE MAIN CARRIAGE BEARINGS ARE FACTORY LUBRICATED AND SEALED. THEY DO NOT REQUIRE ANY ADDITIONAL PERIODIC LUBRICATION. HOWEVER, IF ADDITIONAL LUBRICATION IS DESIRED ON THESE UNDER THE CUSTOMER'S OWN INSPECTION AND MAINTENANCE PROGRAM, IT IS RECOMMENDED TO USE CAM2 – MULTIPURPOSE #2 GREASE (PART NO. 86035) OR EQUIVALENT. USE APPROXIMATELY 2 OZ. PER BEARING.

ANNUALLY

- CHECK YOUR HYDRAULIC FLUID ANNUALLY.
  EVERY FIVE YEARS REPLACE AND RE-BLEED THE HYDRAULIC FLUID. ALWAYS USE A CLEAN FUNNEL AND FILTER. USE DEXRON III HYDRAULIC FLUID.
- INSPECT ALL BEARINGS FOR UNUSUAL OR EXCESSIVE WEAR. (REPLACE IF NEEDED)
- REMOVE THE SWING ARM RESTRAINTS. THOROUGHLY CLEAN. USE A LIGHT LUBRICANT (WD-40 OR EQUIVALENT) REINSTALL. **DO NOT USE GREASE.**
- REMOVE THE SWING ARMS. THOROUGHLY CLEAN. USE A LIGHT LUBRICANT (WD-40 OR EQUIVALENT) REINSTALL. **DO NOT USE GREASE.**
- PERFORM THE DAILY, WEEKLY, AND MONTHLY MAINTENANCE PROCEDURES.

PART REPLACEMENT NOTES

- REPLACE ALL WORN OR BROKEN PARTS WITH GENUINE LIFT MANUFACTURER SUPPLIED PARTS (FROM MOHAWK RESOURCES LTD. ONLY)
- ALL REPLACEMENTS OF PARTS ARE TO BE PERFORMED BY TRAINED LIFT SERVICE PERSONNEL ONLY.

UPON PART REPLACEMENT, LIFT MUST PASS A FULL LIFT INSPECTION AS DEEMED SUITABLE BY TRAINED LIFT SERVICE PERSONNEL.

TROUBLE SHOOTING

WARNING : NEVER ATTEMPT TO LOOSEN HYDRAULIC FITTINGS, OR OVERRIDE SAFETY DEVICES IN AN ATTEMPT TO CORRECT A PROBLEM. ALL TEST ARE TO BE PERFORMED WITH **NO** VEHICLE.

NOTE:

- **THE HYDRAULIC SAFETY CHECK IS TO BE PERFORMED WITH NO VEHICLE ON THE UNIT.**
- **CONTACT YOUR LOCAL MOHAWK DISTRIBUTOR OR THE MOHAWK FACTORY IF EITHER TEST FAIL.**

HYDRAULIC SAFETY CHECK

MAIN SIDE SAFETY CHECK:

1. RAISE THE UNIT APPROXIMATELY 3 FEET
2. DISENGAGE THE OFF SIDE MECHANICAL SAFETY
3. LOWER THE UNIT ONTO THE MAIN SIDE MECHANICAL SAFETY
4. WHILE CONTINUING TO HOLD DOWN THE POWER UNIT LOWERING HANDLE, OBSERVE THE OFF SIDE CARRIAGE FOR MOVEMENT. THE UNIT HAS CHECKED OUT OK IF THEIR IS NO MOVEMENT (OFF SIDE CARRIAGE DOES NOT CONTINUE TO LOWER)

OFF SIDE SAFETY CHECK:

1. RAISE THE UNIT APPROXIMATELY 3 FEET
2. DISENGAGE THE MAIN SIDE MECHANICAL SAFETY
3. LOWER THE UNIT ONTO THE OFF SIDE MECHANICAL SAFETY
4. WHILE CONTINUING TO HOLD DOWN THE POWER UNIT LOWERING HANDLE, OBSERVE THE MAIN SIDE CARRIAGE FOR MOVEMENT. THE UNIT HAS CHECKED OUT OK IF THEIR IS NO MOVEMENT (MAIN SIDE CARRIAGE DOES NOT CONTINUE TO LOWER)

NOT RAISING LOAD	
POSSIBLE CAUSE	**SOLUTION**
LOW HYDRAULIC FLUID LEVEL	LOWER UNIT. REMOVE RESERVOIR BREATHER CAP. FILL UNIT TO WITHIN 1/2 INCH BELOW PORT. USE DEXRON III TRANSMISSION / HYDRAULIC FLUID.
PRESSURE RELIEF ADJUSTMENT	CONSULT MOHAWK SERVICE DEPARTMENT
PRESSURE RELIEF CONTAMINATION	REFER TO POWER UNIT SPECIFICATIONS. REMOVE AND CLEAN DEBRIS FROM VALVE ASSEMBLY.
VOLTAGE TO POWER UNIT	REFER TO POWER UNIT SPECIFICATIONS. CONSULT AN ELECTRICIAN
UNIT OVERLOADED	VEHICLE TO HEAVY TO BE RAISED
NOT LOWERING	
FLOW CONTROL VALVE	CLOSE FLOW CONTROL VALVE. OPEN TWO TURNS. RAISE UNIT THEN LOWER.
MECHANICAL LOCKS ENGAGED	RAISE UNIT. DISENGAGE MECHANICAL LOCKS.
UNIT UNEVEN (SIDE TO SIDE)	RAISE UNIT TO FULL HEIGHT TO EQUALIZE. THEN LOWER
	- OR -
	USE DIVERTER VALVE TO EQUALIZE
POSTS OUT OF SQUARE	VERIFY LEVEL ASSEMBLY. MAKE ANY AND ALL NECESSARY ADJUSTMENTS.
DEBRIS IN POSTS (TOOLS ETC.)	CLEAN UNIT
OBSTRUCTION UNDER VEHICLE OR LIFT	REMOVE OBSTRUCTION.
RAISING UNEVEN **RULE OF THUMB : IF THE MAIN SIDE IS HIGH, RUN UNIT TO FULL HEIGHT. IF THE MAIN SIDE IS LOW, LOWER UNIT TO FLOOR. ALLOW TIME FOR THE OFF SIDE TO EQUALIZE.**	
AIR IN SYSTEM	BLEED UNIT. REFER TO BLEEDING PROCEDURES.
	THE CARRIAGE BEARINGS ON THE MAIN AND OFF SIDE MUST NOT CONTACT THE CARRIAGE STOPS. (RESULT OF INCORRECT ROD ADJUSTMENT.)

TROUBLE SHOOTING CONTINUED

RAISING UNEVEN CONTINUED	
POSSIBLE CAUSE	**SOLUTION**
POSTS OUT OF SQUARE	VERIFY LEVEL ASSEMBLY. MAKE ANY AND ALL NECESSARY ADJUSTMENTS.
SHOP FLOOR UNEVEN	VERIFY PROPER INSTALLATION OF MAIN SIDE POST. MAIN SIDE TO BE ON HIGH SIDE.
	ALSO SEE SPECIAL LIFTING PADS.
MAIN SIDE CYLINDER	PERFORM HYDRAULIC SAFETY CHECKS. CHECK FOR INTERNAL HYDRAULIC LEAKS
SLOW DRIFT DOWN	
SAFETIES NOT ENGAGED	RAISE UNIT TO RE-ENGAGE SAFETIES. THEN LOWER UNIT ONTO SAFETIES.
POWER UNIT LOWERING VALVE CONTAMINATION	BACK FLUSH POWER UNIT : PULL DOWN ON THE LOWERING HANDLE, THEN ENGAGE THE UP BUTTON AT THE SAME TIME. RUN UNIT APPROX. 10 SEC.
EMERGENCY LOWERING VALVE OPEN	FULLY CLOSE THE VALVE. TIGHTEN SET SCREW.
POPPING NOISE WHEN RAISING	
LOAD NOT CENTERED	VEHICLE IS TO FAR FORWARD OR TOO FAR BACK. POSITION THE VEHICLE SO THAT THE TWO TOP CAM BEARINGS (BEARINGS ON THE CARRIAGE WHICH RIDE ON THE EDGE OF THE POST CHANNEL) ARE FREE TO SPIN WHEN ALL FOUR TIRES ARE OFF THE FLOOR.
EXTERNAL HYDRAULIC LEAKS NOTE: TIGHTEN ALL FITTINGS PER SPECIFICATIONS.	
MAIN SIDE CYLINDER	THOROUGHLY CLEAN THE CYLINDER. VERIFY LEAK ORIGIN. FITTINGS ARE TO BE TIGHTENED PER SPECIFICATIONS
OFF SIDE CYLINDER	THOROUGHLY CLEAN THE CYLINDER. VERIFY LEAK ORIGIN. FITTINGS ARE TO BE TIGHTENED PER SPECIFICATIONS.
BAD FLAIR OR FITTING	REMOVE THE HYDRAULIC LINE AND INSPECT FLAIR AND FITTING FOR DEFORMATION. REPLACE IF NEEDED.
BAD O-RING (O-RING TYPE FITTINGS)	CHANGE O-RING
LOOSE PIPE FITTING	REMOVE, RESEAL, AND RE-INSTALL FITTING. SEAL ALL PIPE FITTING CONNECTIONS WITH THREAD SEALANT MOHAWK PART # 601-610-002 **NOTE: DO NOT USE TEFLON TAPE.**

MODEL:
SERIAL NUMBER:
DATE OF INSTALLATION:

SERVICE CHART

DATE	PART REPLACED / SERVICED	SERVICE COMPANY	SERVICED BY

MAINTENANCE CHART

DATE	MAINTENANCE PERFORMED	SERVICE COMPANY	SERVICED BY

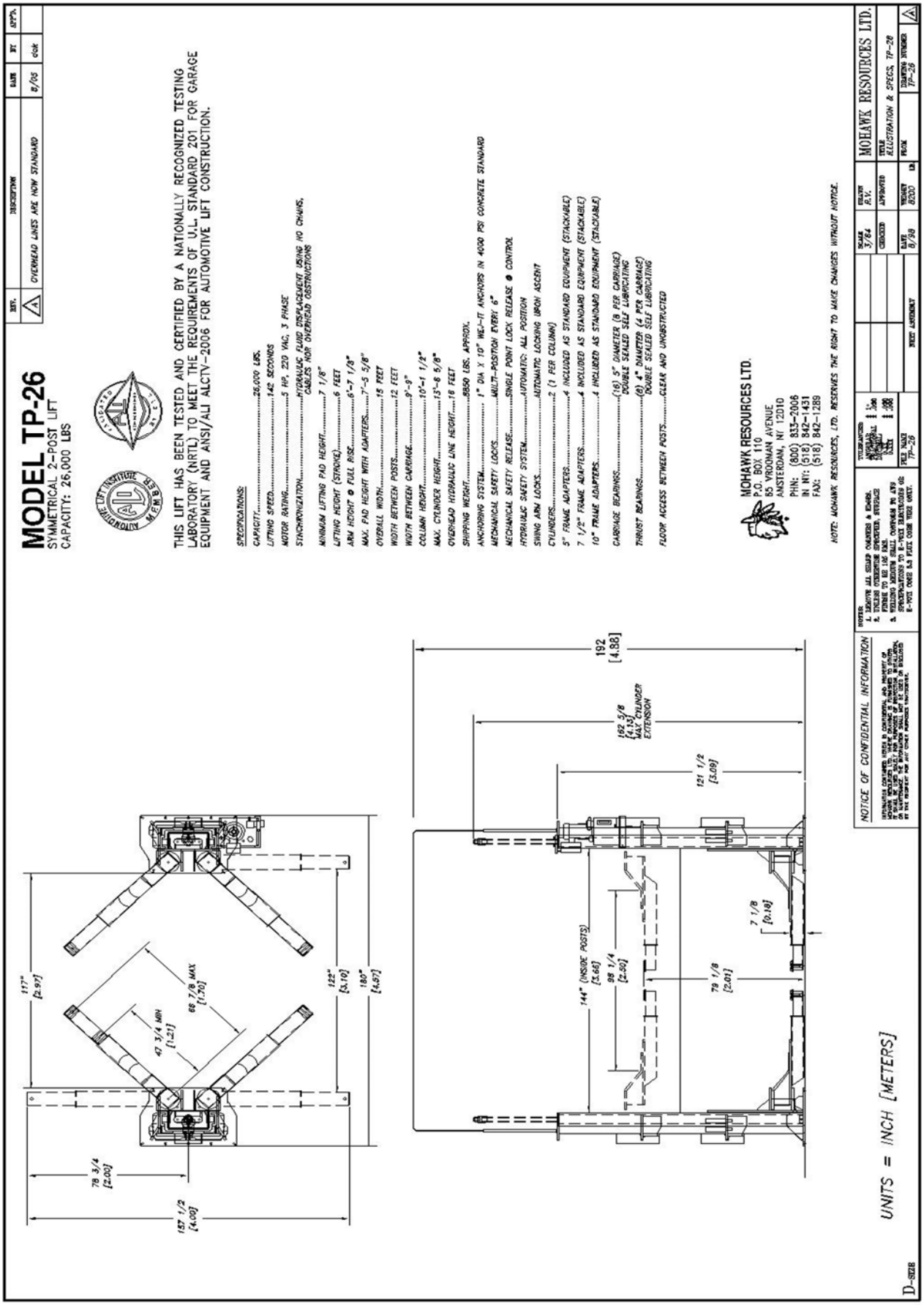
MOHAWK

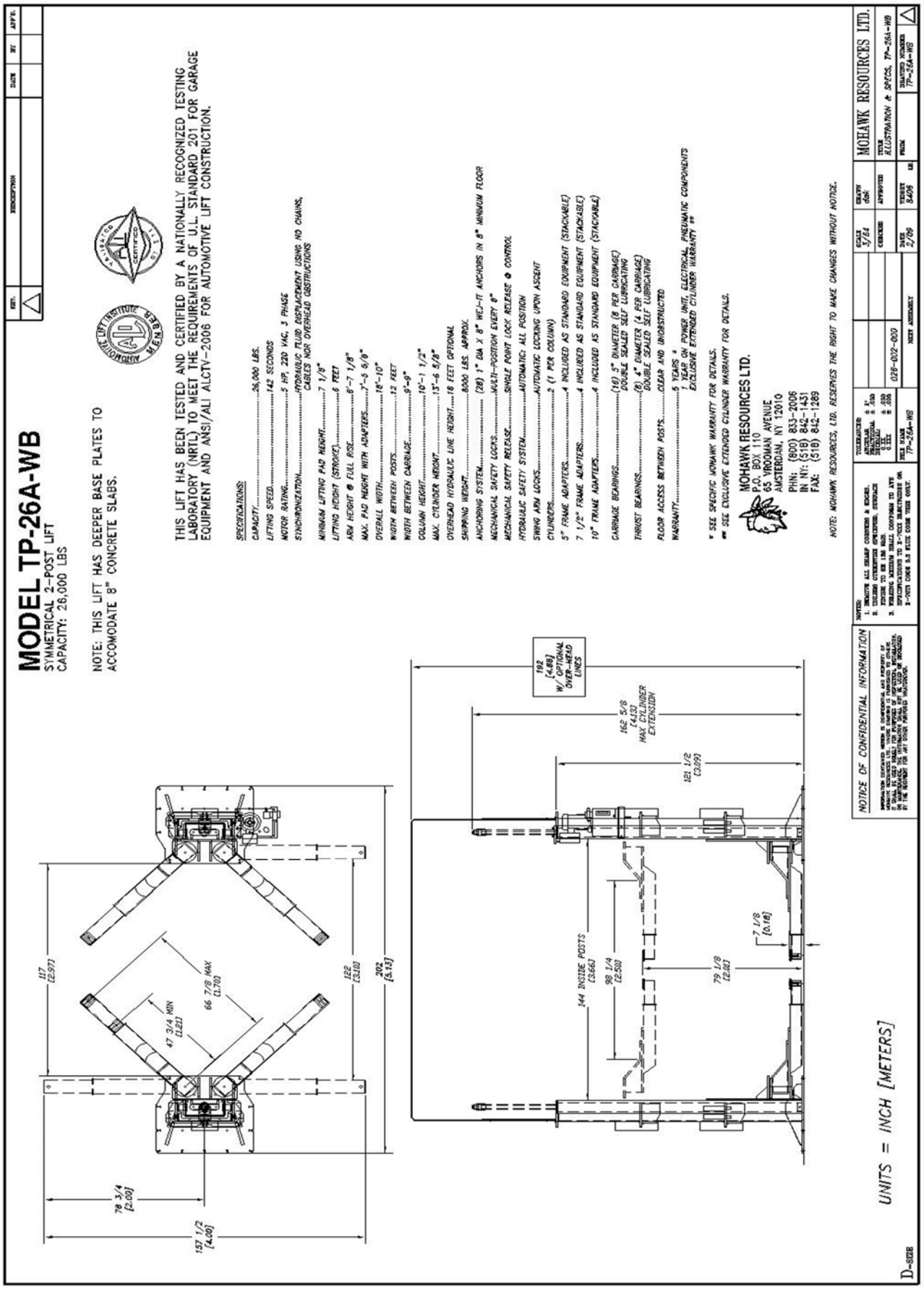
MADE IN THE U.S.A.

MODELS
TP-26A & TP-30A
TP-26-WB & TP-30-WB

FIGURES & DIAGRAMS

MOHAWK LIFTS, LLC.
P.O. BOX 110
65 VROOMAN AVENUE
AMSTERDAM, NY 12010
TOLL FREE : 1-800-833-2006
LOCAL : 1-518-842-1431
FAX : 1-518-842-1289
INTERNET: WWW.MOHAWKLIFTS.COM
E-MAIL: SERVICE@MOHAWKLIFTS. COM


MODEL TP-26
SYMMETRICAL 2-POST LIFT
CAPACITY: 26,000 LBS
THIS LIFT HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF U.L. STANDARD 201 FOR GARAGE EQUIPMENT AND ANSI/ALI ALCTV-2006 FOR AUTOMOTIVE LIFT CONSTRUCTION.
SPECIFICATIONS:
CAPACITY.....26,000 LBS.
LIFTING SPEED.....142 SECONDS
MOTOR RATING.....5 HP, 220 VAC, 3 PHASE
SYNCHRONIZATION.....HYDRAULIC FLUID DISPLACEMENT USING NO CHAINS, CABLES NOR OVERHEAD OBSTRUCTIONS
MINIMUM LIFTING PAD HEIGHT.....7 1/8"
LIFTING HEIGHT (STROKE).....6 FEET
ARM HEIGHT @ FULL RISE.....6'-7 1/8"
MAX. PAD HEIGHT WITH ADAPTERS.....7'-5 5/8"
OVERALL WIDTH.....15 FEET
WIDTH BETWEEN POSTS.....12 FEET
WIDTH BETWEEN CARRIAGE.....9'-9"
COLUMN HEIGHT.....10'-1 1/4"
MAX. CYLINDER HEIGHT.....13'-8 5/8"
OVERHEAD HYDRAULIC LINE HEIGHT.....16 FEET
SHIPPING WEIGHT.....5850 LBS. APPROX.
ANCHORING SYSTEM.....1" DIA X 10" WEJ-IT ANCHORS IN 4000 PSI CONCRETE STANDARD
MECHANICAL SAFETY LOCKS.....MULTI-POSITION EVERY 6"
MECHANICAL SAFETY RELEASE.....SINGLE POINT LOCK RELEASE @ CONTROL
HYDRAULIC SAFETY SYSTEM.....AUTOMATIC: ALL POSITION
SWING ARM LOCKS.....AUTOMATIC LOCKING UPON ASCENT
CYLINDERS.....2 (1 PER COLUMN)
5" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
7 1/2" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
10" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
CARRIAGE BEARINGS.....(16) 5" DIAMETER (8 PER CARRIAGE) DOUBLE SEALED SELF LUBRICATING
THRUST BEARINGS.....(8) 4" DIAMETER (4 PER CARRIAGE) DOUBLE SEALED SELF LUBRICATING
FLOOR ACCESS BETWEEN POSTS.....CLEAR AND UNOBSTRUCTED
MOHAWK RESOURCES LTD.
P.O. BOX 110
85 VROOMAN AVENUE
AMSTERDAM, NY 12010
PHN: (800) 833-2006
IN NY: (518) 842-1431
FAX: (518) 842-1289
NOTE: MOHAWK RESOURCES, LTD. RESERVES THE RIGHT TO MAKE CHANGES WITHOUT NOTICE.
REV. DESCRIPTION DATE BY APP'D
OVERHEAD LINES ARE NOW STANDARD 8/05 dak
SCALE 3/64 DRAWN B.V.
CHECKED APPROVED
DATE 8/98 WEIGHT 8200 LBS
FILE NAME TP-26
NEXT ASSEMBLY
FINISH
MOHAWK RESOURCES LTD.
TITLE ILLUSTRATION & SPECS, TP-26
DRAWING NUMBER TP-26
NOTICE OF CONFIDENTIAL INFORMATION
UNITS = INCH [METERS]
D-SIZE
117" [2.97]
47 3/4 MIN [1.21]
68 7/8 MAX [1.36]
122" [3.10]
180" [4.57]
78 3/4 [2.00]
157 1/2 [4.00]
192 [4.88]
182 5/8 [4.63] MAX CYLINDER EXTENSION
121 1/2 [3.09]
144" [INSIDE POSTS] [3.66]
86 1/4 [2.50]
79 1/8 [2.01]
7 1/8 [0.18]


MODEL TP-26A-WB
SYMMETRICAL 2-POST LIFT
CAPACITY: 26,000 LBS
NOTE: THIS LIFT HAS DEEPER BASE PLATES TO ACCOMODATE 8" CONCRETE SLABS.
THIS LIFT HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF U.L. STANDARD 201 FOR GARAGE EQUIPMENT AND ANSI/ALI ALCTV-2006 FOR AUTOMOTIVE LIFT CONSTRUCTION.
SPECIFICATIONS:
CAPACITY.....26,000 LBS.
LIFTING SPEED.....142 SECONDS
MOTOR RATING.....5 HP, 220 VAC, 3 PHASE
SYNCHRONIZATION.....HYDRAULIC FLUID DISPLACEMENT USING NO CHAINS, CABLES NOR OVERHEAD OBSTRUCTIONS
MINIMUM LIFTING PAD HEIGHT.....7 1/8"
LIFTING HEIGHT (STROKE).....6 FEET
ARM HEIGHT @ FULL RISE.....6'-7 1/8"
MAX. PAD HEIGHT WITH ADAPTERS.....7'-5 5/8"
OVERALL WIDTH.....18'-10"
WIDTH BETWEEN POSTS.....12 FEET
WIDTH BETWEEN CARRIAGE.....9'-9"
COLUMN HEIGHT.....10'-1 1/2"
MAX. CYLINDER HEIGHT.....13'-6 5/8"
OVERHEAD HYDRAULIC LINE HEIGHT.....16 FEET OPTIONAL
SHIPPING WEIGHT.....8000 LBS. APPROX.
ANCHORING SYSTEM.....(20) 1" DIA X 8" WEJ-IT ANCHORS IN 8" MINIMUM FLOOR
MECHANICAL SAFETY LOCKS.....MULTI-POSITION EVERY 8"
MECHANICAL SAFETY RELEASE.....SINGLE POINT LOCK RELEASE @ CONTROL
HYDRAULIC SAFETY SYSTEM.....AUTOMATIC ALL POSITION
SWING ARM LOCKS.....AUTOMATIC LOCKING UPON ASCENT
CYLINDERS.....2 (1 PER COLUMN)
5" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
7 1/2" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
10" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
CARRIAGE BEARINGS.....(16) 3" DIAMETER (8 PER CARRIAGE) DOUBLE SEALED SELF LUBRICATING
THRUST BEARINGS.....(8) 4" DIAMETER (4 PER CARRIAGE) DOUBLE SEALED SELF LUBRICATING
FLOOR ACCESS BETWEEN POSTS.....CLEAR AND UNOBSTRUCTED
WARRANTY.....5 YEARS *
1 YEAR ON POWER UNIT, ELECTRICAL, PNEUMATIC COMPONENTS
EXCLUSIVE EXTENDED CYLINDER WARRANTY **
* SEE SPECIFIC MOHAWK WARRANTY FOR DETAILS.
** SEE EXCLUSIVE EXTENDED CYLINDER WARRANTY FOR DETAILS.
MOHAWK RESOURCES LTD.
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65 VROOMAN AVENUE
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PHN: (800) 833-2006
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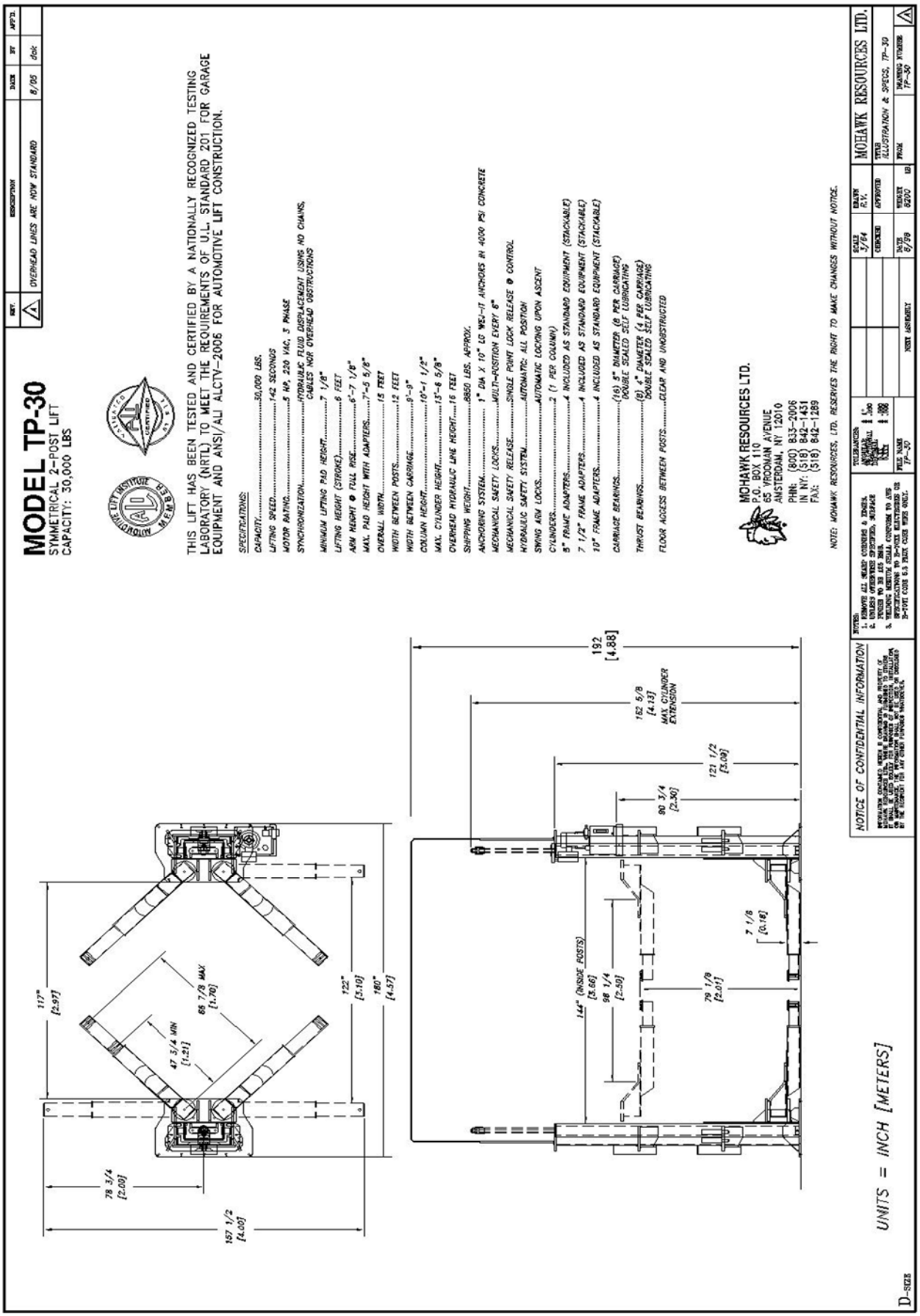
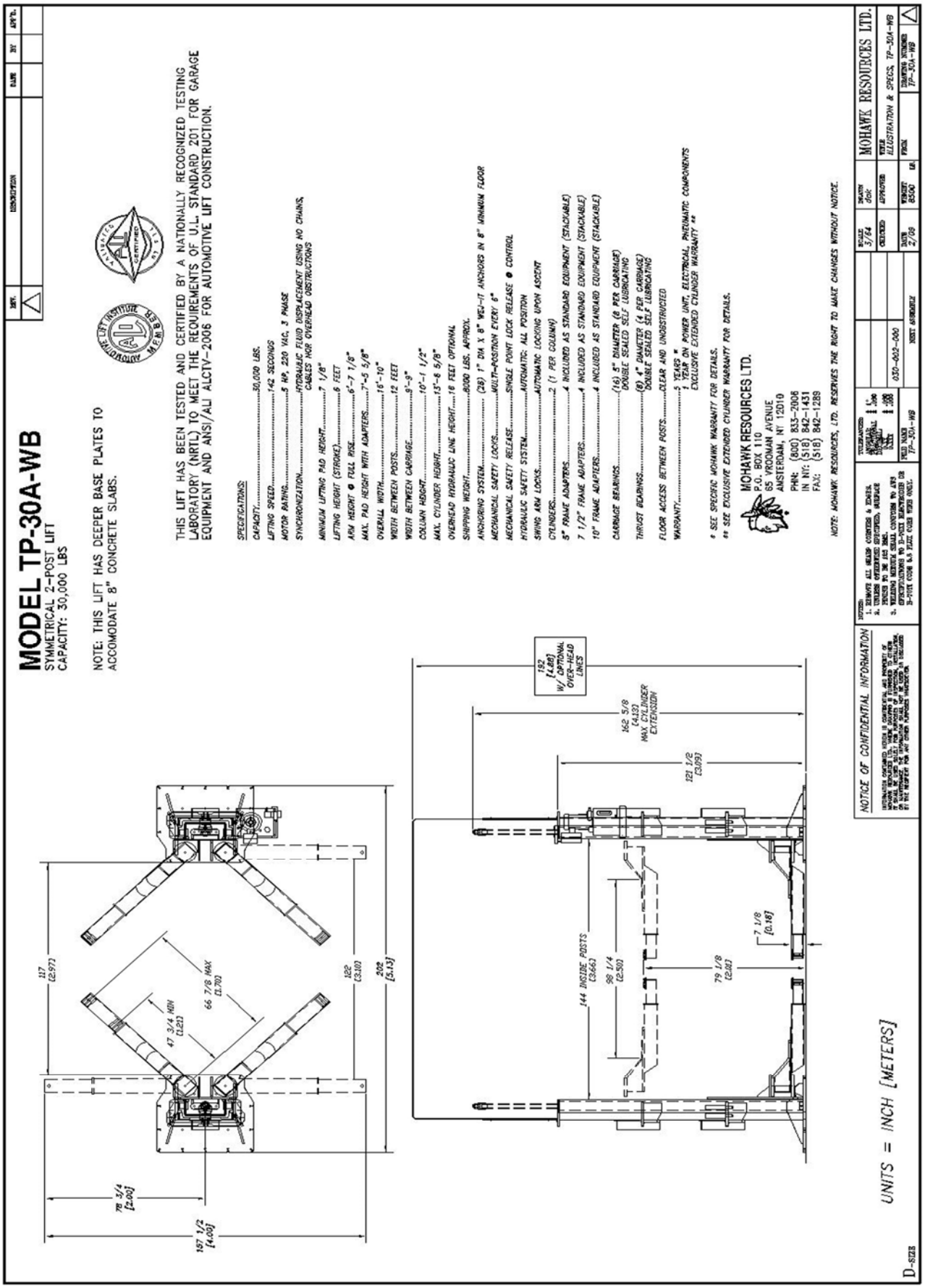
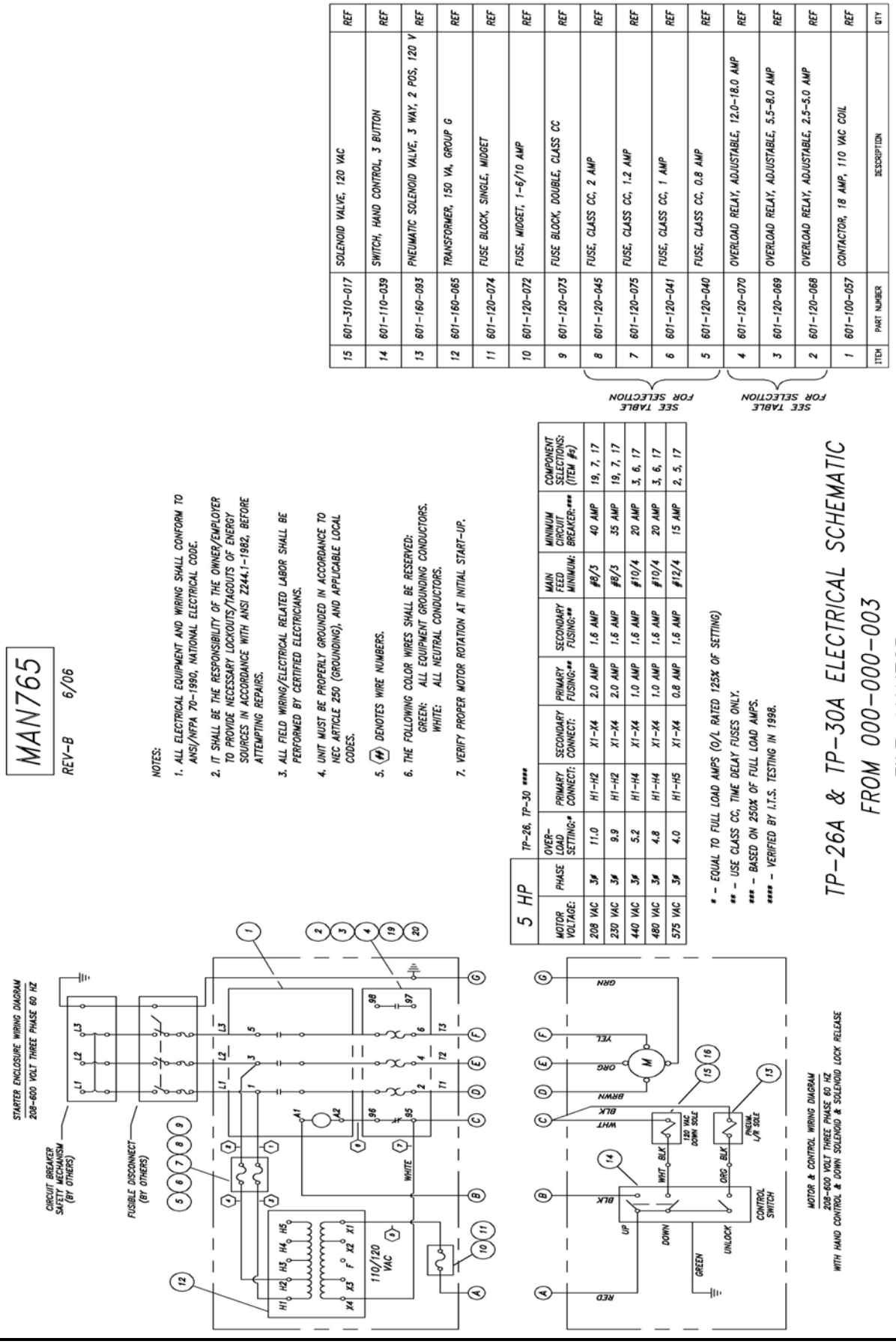
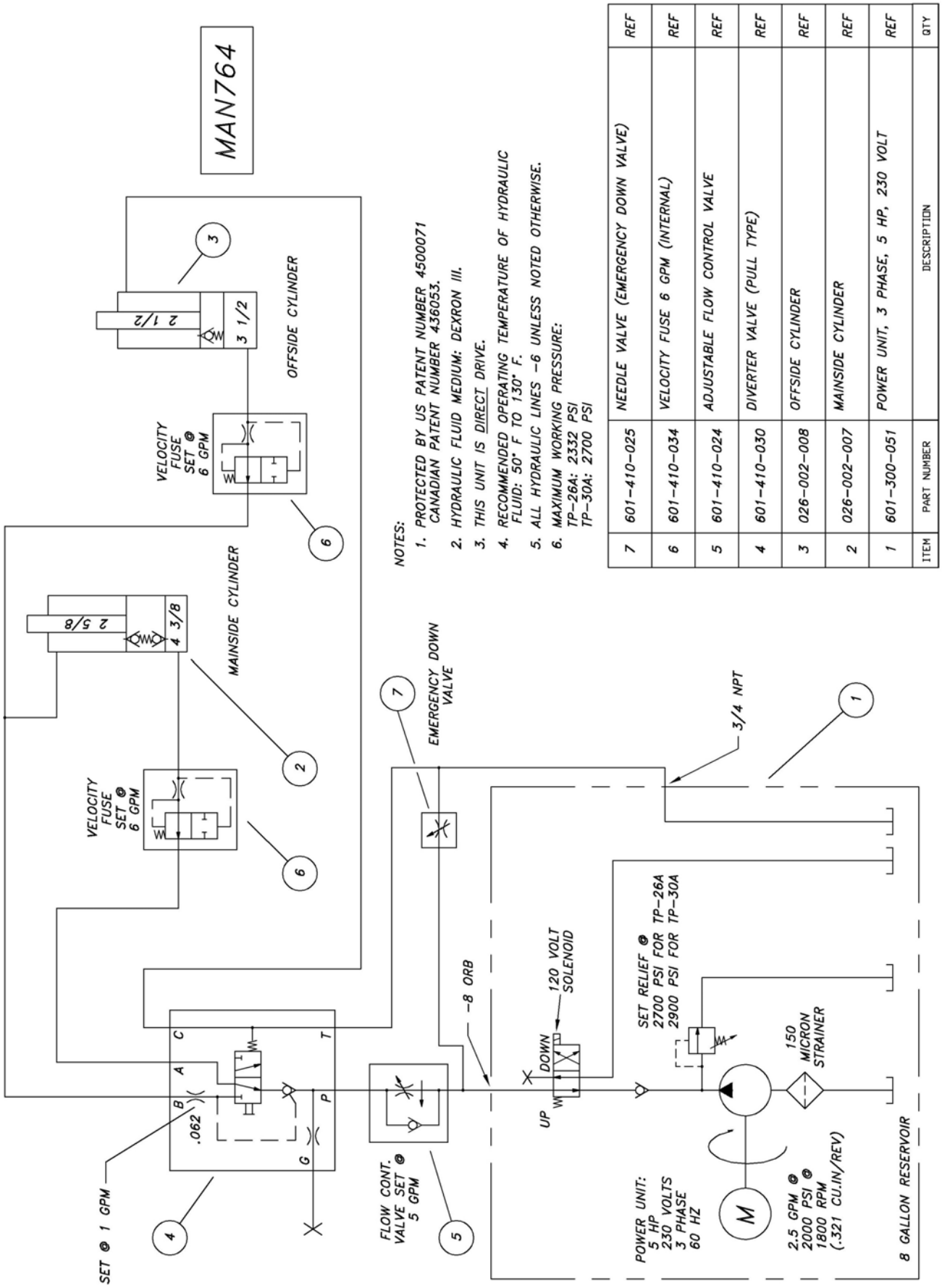
FAX: (518) 842-1289
NOTE: MOHAWK RESOURCES, LTD. RESERVES THE RIGHT TO MAKE CHANGES WITHOUT NOTICE.
NOTICE OF CONFIDENTIAL INFORMATION
MOHAWK RESOURCES LTD.
ILLUSTRATION & SPECS, TP-26A-WB
TP-26A-WB
UNITS = INCH [METERS]
D-SIZE
117 [2.971]
78 3/4 [2.00]
157 1/2 [4.00]
66 7/8 MAX [1.701]
47 3/4 MIN [1.213]
122 [3.10]
202 [5.13]
192 [4.88] W/ OPTIONAL OVER-HEAD LINES
162 5/8 [4.133] MAX CYLINDER EXTENSION
121 1/2 [3.093]
144 INSIDE POSTS [3.663]
98 1/4 [2.500]
79 1/8 [2.007]
7 1/8 [0.18]


MODEL TP-30
SYMMETRICAL 2-POST LIFT
CAPACITY: 30,000 LBS
THIS LIFT HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF U.L. STANDARD 201 FOR GARAGE EQUIPMENT AND ANSI/ALI ALCTV-2006 FOR AUTOMOTIVE LIFT CONSTRUCTION.
SPECIFICATIONS
CAPACITY.....30,000 LBS.
LIFTING SPEED.....42 SECONDS
MOTOR RATING.....5 HP, 220 VAC, 3 PHASE
SYNCHRONIZATION.....HYDRAULIC FLUID DISPLACEMENT USING NO CHAINS, CABLES NOR OVERHEAD OBSTRUCTIONS
MINIMUM LIFTING PAD HEIGHT.....7 1/8"
LIFTING HEIGHT (STROKE).....6 FEET
ARM HEIGHT @ FULL RISE.....6'-7 1/8"
MAX. PAD HEIGHT WITH ADAPTERS.....7'-5 5/8"
OVERALL WIDTH.....15 FEET
WIDTH BETWEEN POSTS.....12 FEET
WIDTH BETWEEN CARRIAGE.....9'-9"
COLUMN HEIGHT.....10'-1 1/2"
MAX. CYLINDER HEIGHT.....13'-6 5/8"
OVERHEAD HYDRAULIC LINE HEIGHT....16 FEET
SHIPPING WEIGHT.....8850 LBS. APPROX.
ANCHORING SYSTEM.....1" DIA X 10" LG WEJ-IT ANCHORS IN 4000 PSI CONCRETE
MECHANICAL SAFETY LOCKS.....MULTI-POSITION EVERY 6"
MECHANICAL SAFETY RELEASE.....SINGLE POINT LOCK RELEASE @ CONTROL
HYDRAULIC SAFETY SYSTEM.....AUTOMATIC: ALL POSITION
SWING ARM LOCKS.....AUTOMATIC LOCKING UPON ASCENT
CYLINDERS.....2 (1 PER COLUMN)
9" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
7 1/2" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
10" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
CARRIAGE BEARINGS.....(16) 5" DIAMETER (8 PER CARRIAGE) DOUBLE SEALED SELF LUBRICATING
THRUST BEARINGS.....(8) 4" DIAMETER (4 PER CARRIAGE) DOUBLE SEALED SELF LUBRICATING
FLOOR ACCESS BETWEEN POSTS.....CLEAR AND UNOBSTRUCTED
MOHAWK RESOURCES LTD.
P.O. BOX 110
65 VROOMAN AVENUE
AMSTERDAM, NY 12010
PHN: (800) 833-2006
IN NY: (518) 842-1451
FAX: (518) 842-1289
NOTE: MOHAWK RESOURCES, LTD. RESERVES THE RIGHT TO MAKE CHANGES WITHOUT NOTICE.
REV. DESCRIPTION DATE BY APP'D.
A OVERHEAD LINES ARE NOW STANDARD 8/05 dak
NOTICE OF CONFIDENTIAL INFORMATION
NOTES:
1. REMOVE ALL HEAVY CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING SYMBOLS SHALL CONFORM TO AWS A2.4-79 AND WELDING SHALL CONFORM TO AWS D1.1-79.
3-TYPE CODE 5.3 STOCK CODE TYPE ONLY.
TOLERANCES:
ANGULAR ± 1°
DECIMAL ± .030
FRACTIONAL ± 1/32
SCALE 3/64
DRAWN R.V.
CHECKED
APPROVED
DATE 6/99
WEIGHT 0000 LB
FINISH
MOHAWK RESOURCES LTD.
TITLE ILLUSTRATION & SPECS, TP-30
PART NO. TP-30
UNITS = INCH [METERS]
D-SIZE
117" [2.97]
78 3/4 [2.00]
157 1/2 [4.00]
68 7/8 MAX [1.70]
47 3/4 MIN [1.21]
122" [3.10]
180" [4.57]
192 [4.88]
162 5/8 [4.13] MAX CYLINDER EXTENSION
121 1/2 [3.08]
90 3/4 [2.30]
144" (INSIDE POSTS) [3.66]
98 1/4 [2.50]
79 1/8 [2.01]
7 1/8 [0.18]


MODEL TP-30A-WB
SYMMETRICAL 2-POST LIFT
CAPACITY: 30,000 LBS
NOTE: THIS LIFT HAS DEEPER BASE PLATES TO ACCOMODATE 8" CONCRETE SLABS.
THIS LIFT HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF U.L. STANDARD 201 FOR GARAGE EQUIPMENT AND ANSI/ALI ALCTV-2006 FOR AUTOMOTIVE LIFT CONSTRUCTION.
SPECIFICATIONS
CAPACITY.....30,000 LBS.
LIFTING SPEED.....1-42 SECONDS
MOTOR RATING.....5 HP, 220 VAC, 3 PHASE
SYNCHRONIZATION.....HYDRAULIC FLUID DISPLACEMENT USING NO CHAINS, CABLES NOR OVERHEAD OBSTRUCTIONS
MINIMUM LIFTING PAD HEIGHT.....7 1/8"
LIFTING HEIGHT (STROKE).....6 FEET
ARM HEIGHT @ FULL RISE.....6'-7 1/8"
MAX. PAD HEIGHT WITH ADAPTERS.....7'-5 5/8"
OVERALL WIDTH.....16'-10"
WIDTH BETWEEN POSTS.....12 FEET
WIDTH BETWEEN CARRIAGE.....9'-9"
COLUMN HEIGHT.....10'-1 1/4"
MAX. CYLINDER HEIGHT.....13'-6 5/8"
OVERHEAD HYDRAULIC LINE HEIGHT.....16 FEET OPTIONAL
SHIPPING WEIGHT.....8000 LBS. APPROX.
ANCHORING SYSTEM.....(28) 1" DIA X 8" WEJ-IT ANCHORS IN 8" MINIMUM FLOOR
MECHANICAL SAFETY LOCKS.....MULTI-POSITION EVERY 6"
MECHANICAL SAFETY RELEASE.....SINGLE POINT LOCK RELEASE @ CONTROL
HYDRAULIC SAFETY SYSTEM.....AUTOMATIC: ALL POSITION
SWING ARM LOCKS.....AUTOMATIC LOCKING UPON ASCENT
CYLINDERS.....2 (1 PER COLUMN)
5" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
7 1/2" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
10" FRAME ADAPTERS.....4 INCLUDED AS STANDARD EQUIPMENT (STACKABLE)
CARRIAGE BEARINGS.....(16) 5" DIAMETER (8 PER CARRIAGE) DOUBLE SEALED SELF LUBRICATING
THRUST BEARINGS.....(8) 4" DIAMETER (4 PER CARRIAGE) DOUBLE SEALED SELF LUBRICATING
FLOOR ACCESS BETWEEN POSTS.....CLEAR AND UNOBSTRUCTED
WARRANTY.....5 YEARS *
1 YEAR ON POWER UNIT, ELECTRICAL, PNEUMATIC COMPONENTS
EXCLUSIVE EXTENDED CYLINDER WARRANTY **
* SEE SPECIFIC MOHAWK WARRANTY FOR DETAILS.
** SEE EXCLUSIVE EXTENDED CYLINDER WARRANTY FOR DETAILS.
MOHAWK RESOURCES LTD.
P.O. BOX 110
65 YROOMAN AVENUE
AMSTERDAM, NY 12010
PHN: (800) 833-2006
IN NY: (518) 842-1431
FAX: (518) 842-1289
NOTE: MOHAWK RESOURCES, LTD. RESERVES THE RIGHT TO MAKE CHANGES WITHOUT NOTICE.
NOTICE OF CONFIDENTIAL INFORMATION
MOHAWK RESOURCES LTD.
TP-30A-WB
030-052-000
MOHAWK RESOURCES LTD.
ILLUSTRATION & SPECS, TP-30A-WB
TP-30A-WB
UNITS = INCH [METERS]
D-SIZE



ITEM	PART NUMBER	DESCRIPTION	QTY
15	601-310-017	SOLENOID VALVE, 120 VAC	REF
14	601-110-039	SWITCH, HAND CONTROL, 3 BUTTON	REF
13	601-160-093	PNEUMATIC SOLENOID VALVE, 3 WAY, 2 POS, 120 V	REF
12	601-160-065	TRANSFORMER, 150 VA, GROUP G	REF
11	601-120-074	FUSE BLOCK, SINGLE, MIDGET	REF
10	601-120-072	FUSE, MIDGET, 1-6/10 AMP	REF
9	601-120-073	FUSE BLOCK, DOUBLE, CLASS CC	REF
8	601-120-045	FUSE, CLASS CC, 2 AMP	REF
7	601-120-075	FUSE, CLASS CC, 1.2 AMP	REF
6	601-120-041	FUSE, CLASS CC, 1 AMP	REF
5	601-120-040	FUSE, CLASS CC, 0.8 AMP	REF
4	601-120-070	OVERLOAD RELAY, ADJUSTABLE, 12.0-18.0 AMP	REF
3	601-120-069	OVERLOAD RELAY, ADJUSTABLE, 5.5-8.0 AMP	REF
2	601-120-068	OVERLOAD RELAY, ADJUSTABLE, 2.5-5.0 AMP	REF
1	601-100-057	CONTACTOR, 18 AMP, 110 VAC COIL	REF

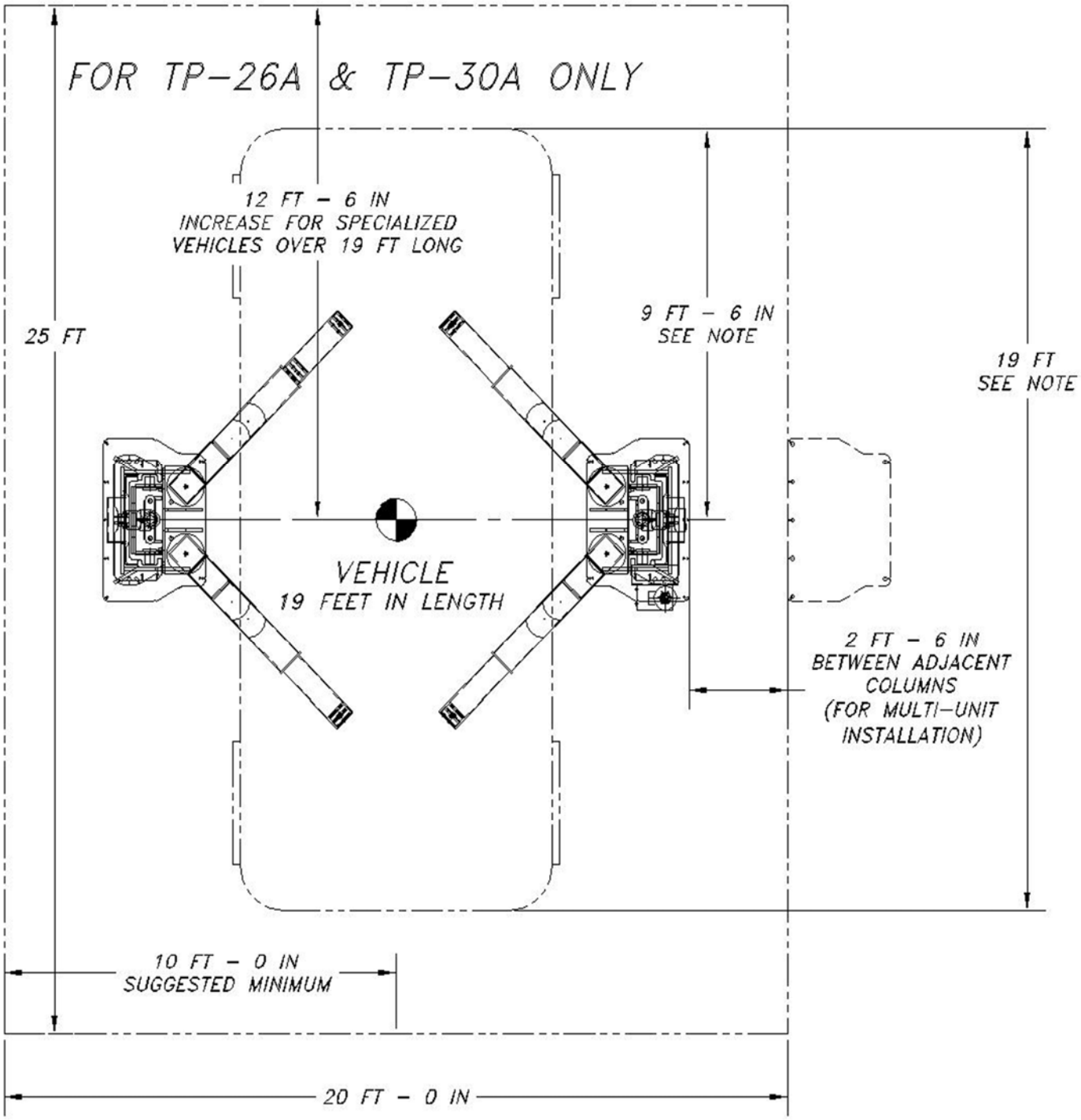


NOTES:
1. PROTECTED BY US PATENT NUMBER 4500071 CANADIAN PATENT NUMBER 436053.
2. HYDRAULIC FLUID MEDIUM: DEXRON III.
3. THIS UNIT IS DIRECT DRIVE.
4. RECOMMENDED OPERATING TEMPERATURE OF HYDRAULIC FLUID: 50° F TO 130° F.
5. ALL HYDRAULIC LINES -6 UNLESS NOTED OTHERWISE.
6. MAXIMUM WORKING PRESSURE:
   TP-26A: 2332 PSI
   TP-30A: 2700 PSI

ITEM	PART NUMBER	DESCRIPTION	QTY
7	601-410-025	NEEDLE VALVE (EMERGENCY DOWN VALVE)	REF
6	601-410-034	VELOCITY FUSE 6 GPM (INTERNAL)	REF
5	601-410-024	ADJUSTABLE FLOW CONTROL VALVE	REF
4	601-410-030	DIVERTER VALVE (PULL TYPE)	REF
3	026-002-008	OFFSIDE CYLINDER	REF
2	026-002-007	MAINSIDE CYLINDER	REF
1	601-300-051	POWER UNIT, 3 PHASE, 5 HP, 230 VOLT	REF

TP-26A & TP-30A HYDRAULIC SCHEMATIC
FILE: MAN764

BAY SIGHT LAYOUT

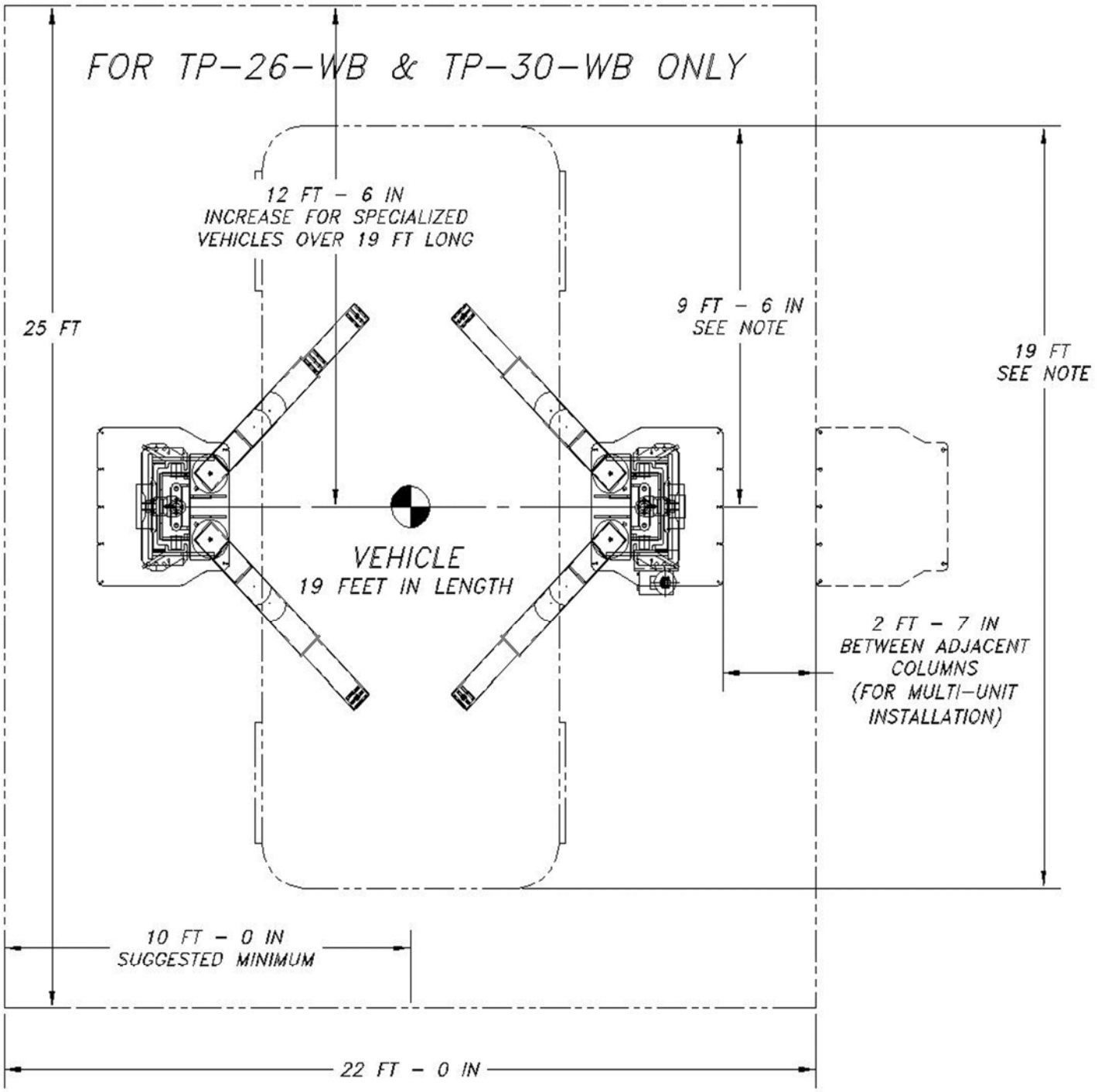


IMPORTANT NOTE

MOST VEHICLES' CENTER OF GRAVITY (C.O.G.) LIE BETWEEN WHEEL BASE CENTERS, HOWEVER, SOME VEHICLES C.O.G. MAY BE OFFSET. VERIFY THE CENTER OF GRAVITY ON THE VEHICLE FLEET TO INSURE REAR AND FRONT ACCESS OF THE VEHICLE.

FILE: MAN065

BAY SIGHT LAYOUT



IMPORTANT NOTE

MOST VEHICLES' CENTER OF GRAVITY (C.O.G.) LIE BETWEEN WHEEL BASE CENTERS, HOWEVER, SOME VEHICLES C.O.G. MAY BE OFFSET. VERIFY THE CENTER OF GRAVITY ON THE VEHICLE FLEET TO INSURE REAR AND FRONT ACCESS OF THE VEHICLE.

FILE: MAN065A

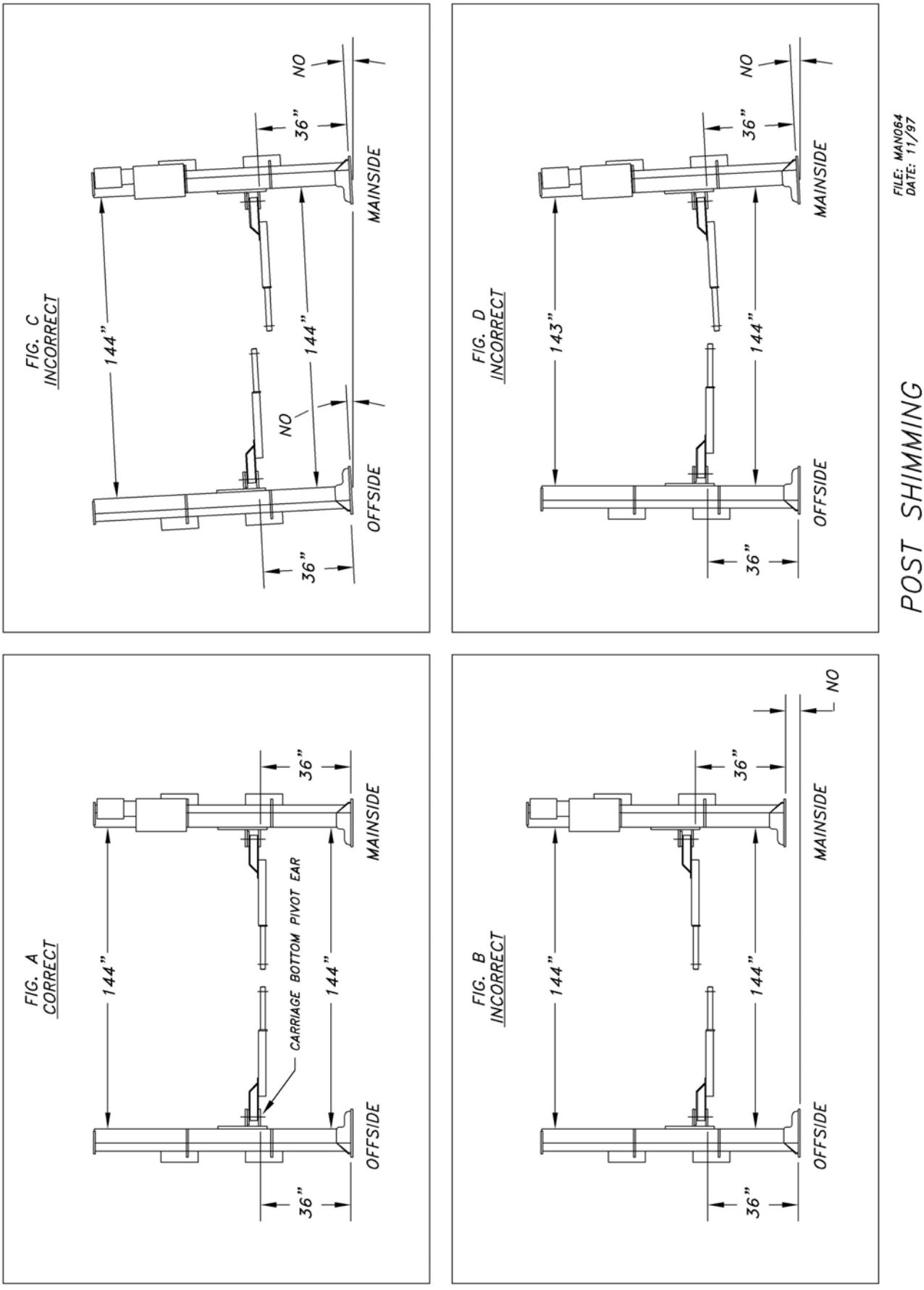
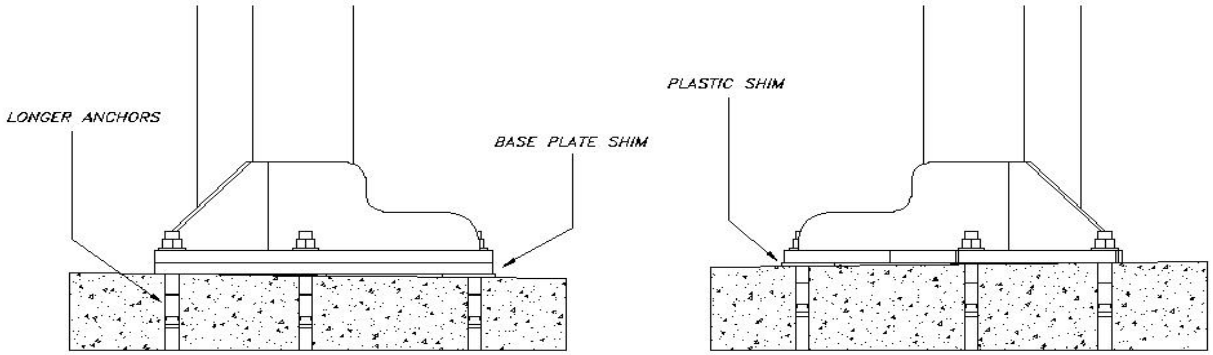


FIG. C
INCORRECT
144"
NO
36"
MAINSIDE
144"
NO
OFFSIDE
36"
FIG. D
INCORRECT
143"
NO
36"
MAINSIDE
144"
OFFSIDE
36"
FIG. A
CORRECT
144"
36"
MAINSIDE
CARRIAGE BOTTOM PIVOT EAR
144"
OFFSIDE
36"
FIG. B
INCORRECT
144"
NO
36"
MAINSIDE
144"
OFFSIDE
36"
POST SHIMMING
FILE: MAN064
DATE: 11/97



GENERAL POST SHIMMING GUIDELINES:

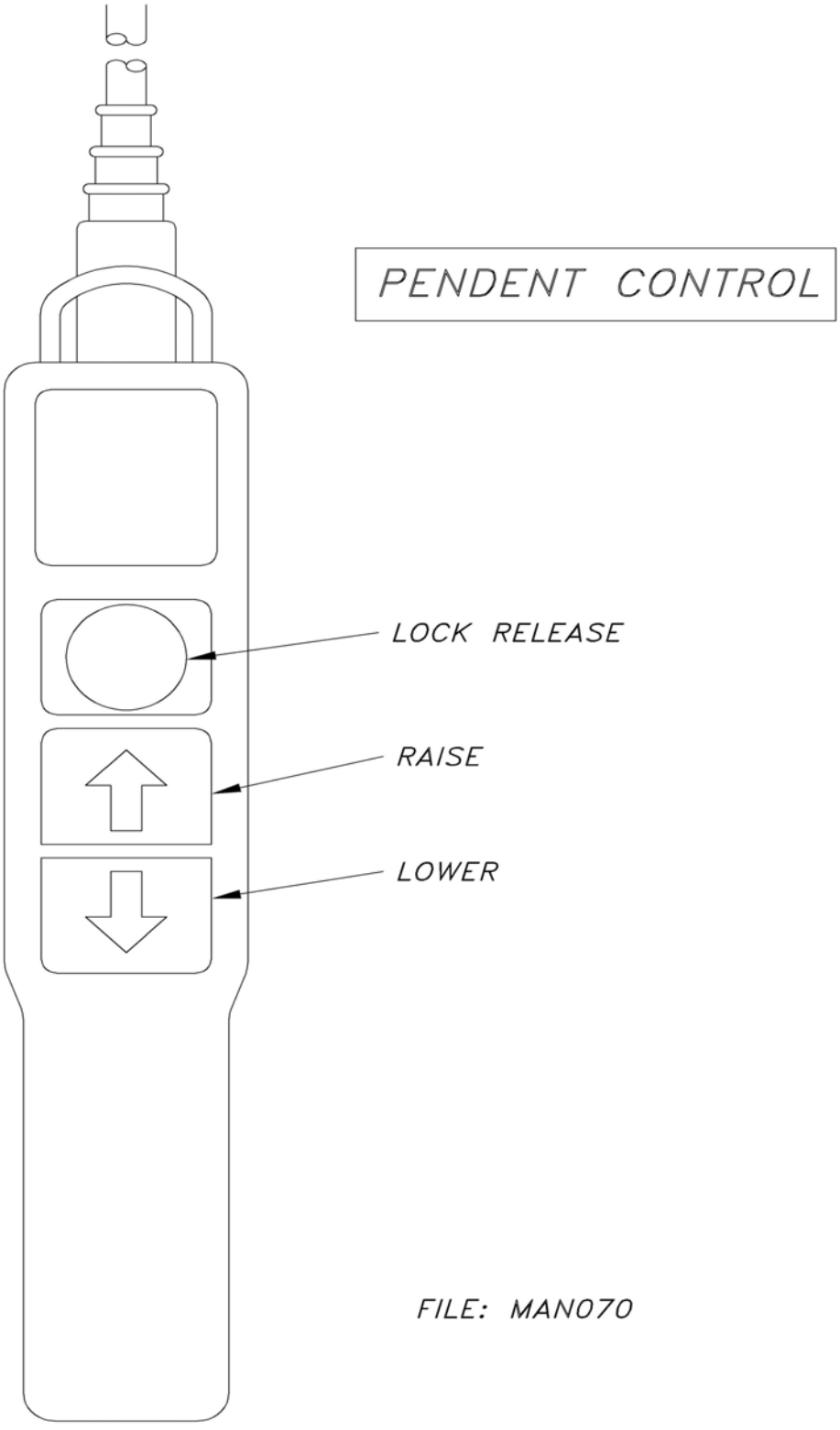
1. High strength plastic shims are supplied with all lifts to accommodate slight slopes in floors for proper leveling of posts. These are not intended to compensate for larger slopes.

2. Post shimming should not exceed base plate thickness. If it does, it is recommended to use an additional base(s) as shims (ordered separately).

3. Any shimming, be it plastic shims or base plates, over 1/2 inch in total thickness, will require longer anchor bolts (ordered separately) to maintain proper anchor embedment depth in concrete.

4. For any gap filling in up to 1/2 inch, it is recommended to use high compression 2-part epoxy grouting under the base plate to spread the compressive load of the base plate onto the flooring. For filling gaps in excess of 1/2 inch, it is recommended to use high compression concrete grouting. Refer to Mohawk's recommendations on preferred grout types and methods.

FILE: MAN093.DWG


PENDENT CONTROL
LOCK RELEASE
RAISE
LOWER
FILE: MAN070

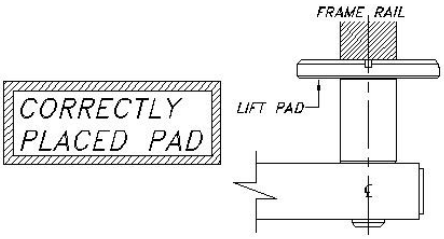
LIFTING PAD PROCEDURES:

NOTICE:
IF ANY OF THESE REQUIREMENTS CANNOT BE MET, **DO NOT RAISE ANY EQUIPMENT WITH LIFT**.

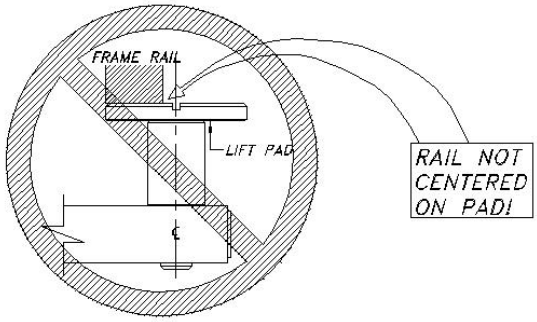
PRE-OPERATION CHECK:
VISUALLY INSPECT ALL LIFTING PADS AND HEIGHT ADAPTERS FOR ANY WEAR, RUST, DEBRIS, OR DEFORMITIES. IF NEEDED, THOROUGHLY CLEAN AND OIL WITH LIGHT OIL OR LUBRICANT, SUCH AS WD-40. ENSURE NO OIL OR GREASE IS PRESENT ON TOP SURFACES OF PADS, WHERE PADS CONTACT VEHICLE PICK POINTS.

PLACEMENT:
- LIFTING PADS ARE TO BE POSITIONED TO CONTACT THE FRAME RAILS OR PICK POINTS OF VEHICLES ACCORDING TO THE LOCATIONS SPECIFIED IN ALI/LP-GUIDE VEHICLE LIFTING POINT GUIDE.
- FRAME RAILS/PICK POINTS ARE TO BE CENTERED ON LIFTING PADS AND REST FLAT ON LIFTING PAD SURFACES (SEE DIAGRAMS BELOW).
- LIFT PAD IS TO BE FULLY INSERTED INTO SLIDER HOLE OR HEIGHT ADAPTER.
- NO MORE THAN (2) TWO HEIGHT ADAPTERS ARE TO BE USED AT ANY TIME FOR ANY SINGLE LIFTING PAD.

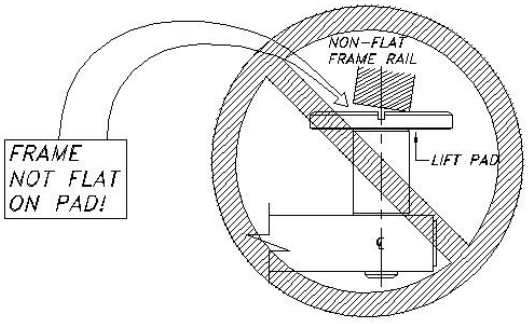
CORRECT LIFT PAD PLACEMENT:
FLAT PORTION OF FRAME RAIL RESTING FLAT AND CENTERED ON LIFT PAD



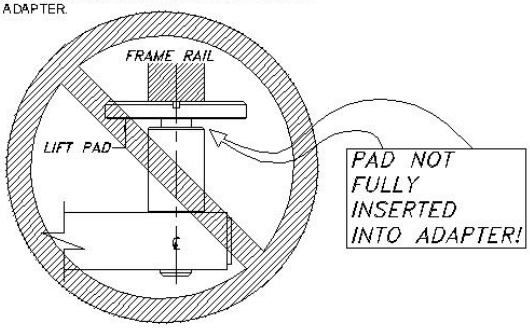
INCORRECT LIFT PAD PLACEMENT:
FRAME RAIL NOT CENTERED ON LIFT PAD



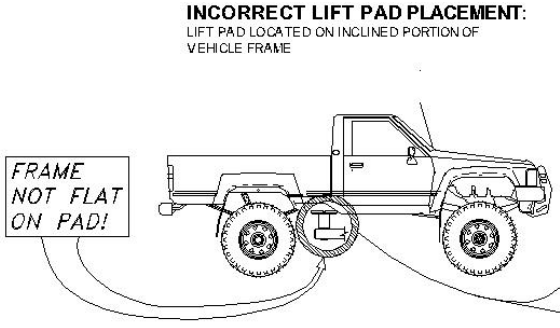
INCORRECT LIFT PAD PLACEMENT:
FRAME RAIL NOT RESTING FLAT ON LIFT PAD



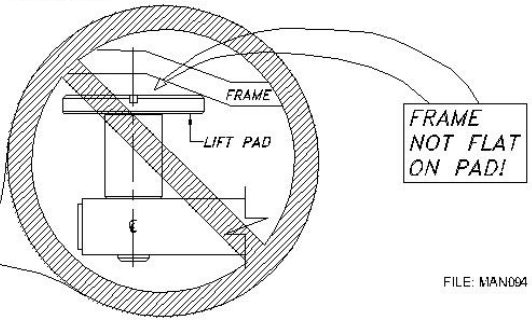
INCORRECT LIFT PAD PLACEMENT:
LIFTING PAD NOT FULLY INSERTING INTO HEIGHT ADAPTER.



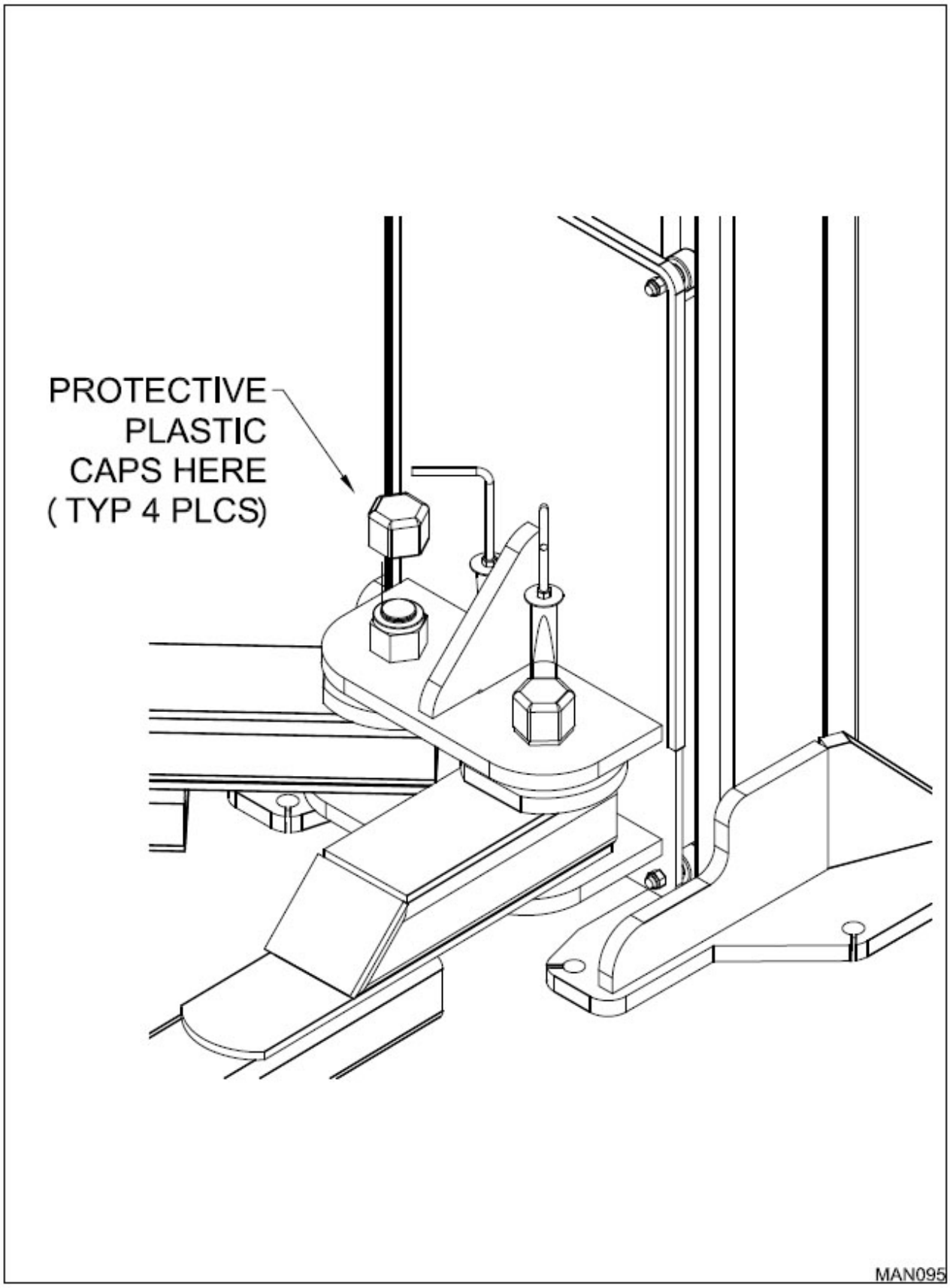
INCORRECT LIFT PAD PLACEMENT:
LIFT PAD LOCATED ON INCLINED PORTION OF VEHICLE FRAME



INCORRECT LIFT PAD PLACEMENT:
LIFT PAD LOCATED ON INCLINED PORTION OF VEHICLE FRAME



FILE: MAN094


PROTECTIVE
PLASTIC
CAPS HERE
(TYP 4 PLCS)
MAN095

MOHAWK

MADE IN THE U.S.A.

MODELS
TP-26A & TP-30A
TP-26-WB & TP-30-WB

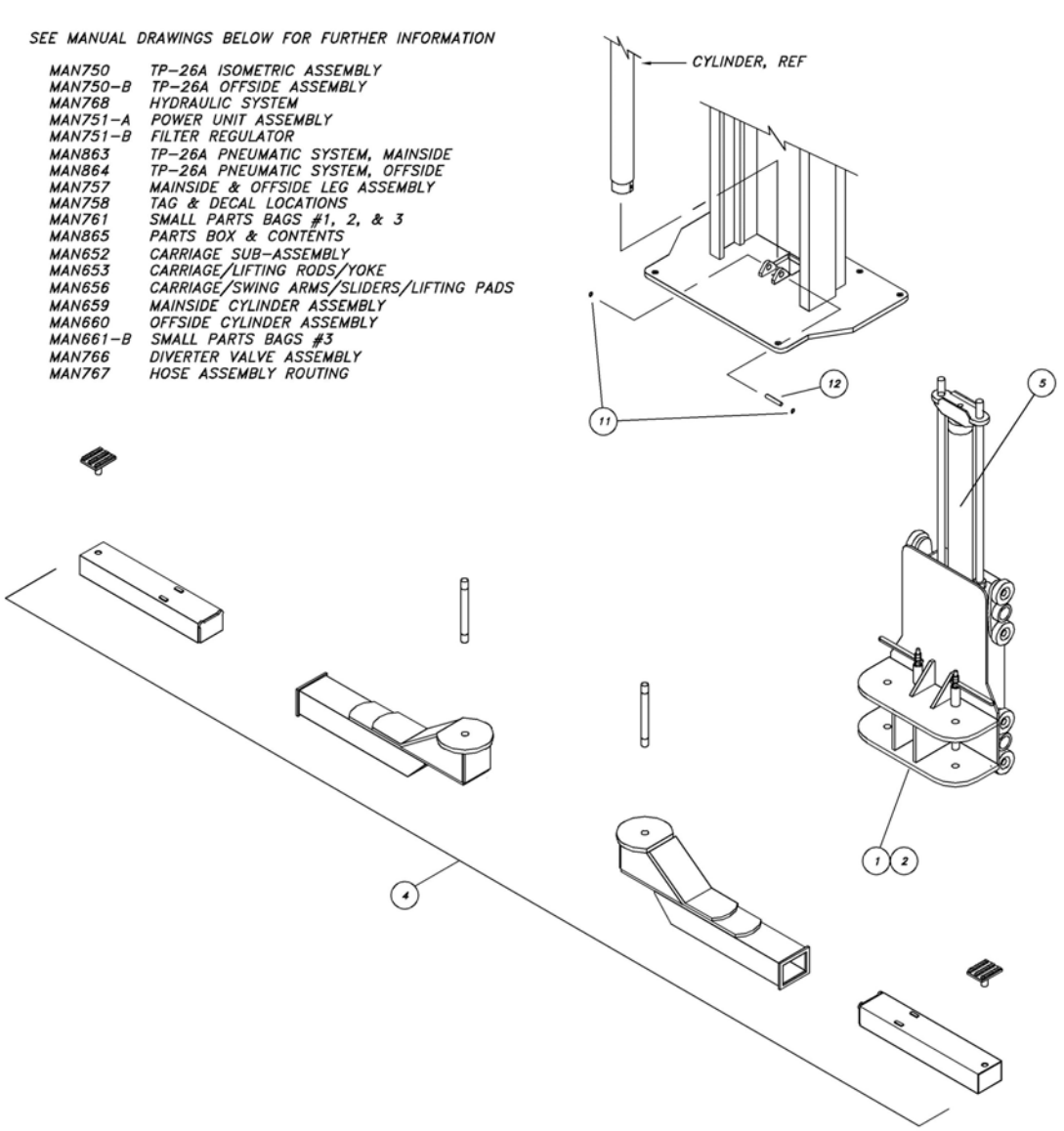
PARTS

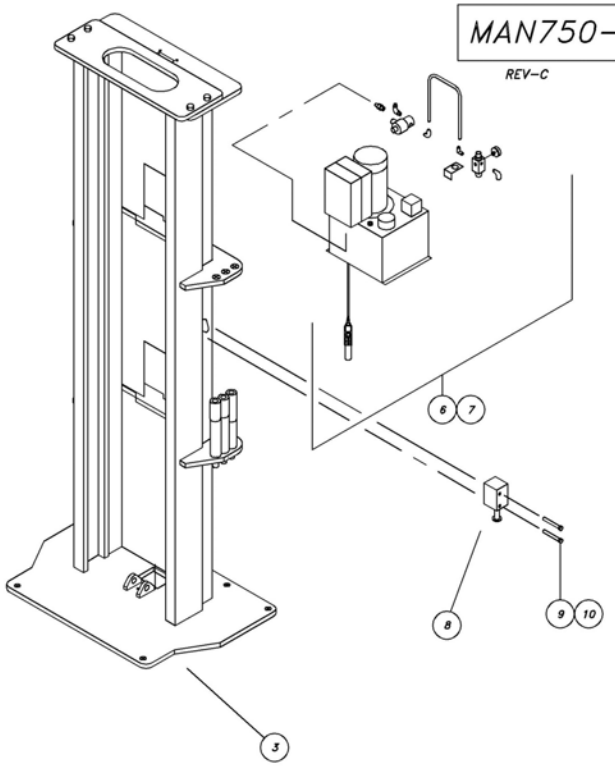
MOHAWK LIFTS, LLC.
P.O. BOX 110
65 VROOMAN AVENUE
AMSTERDAM, NY 12010
TOLL FREE : 1-800-833-2006
LOCAL : 1-518-842-1431
FAX : 1-518-842-1289
INTERNET: WWW.MOHAWKLIFTS.COM
E-MAIL: SERVICE@MOHAWKLIFTS. COM

MAN750
REV-D 6/06
TP-26A ISOMETRIC FINAL ASSEMBLY
FILE: MAN750
DATE: 8/98
SEE MANUAL DRAWINGS BELOW FOR FURTHER INFORMATION
MAN750-A TP-26A MAINSIDE ASSEMBLY
MAN750-B TP-26A OFFSIDE ASSEMBLY
MAN768 HYDRAULIC SYSTEM
MAN751-A POWER UNIT ASSEMBLY
MAN751-B FILTER REGULATOR
MAN863 TP-26A PNEUMATIC SYSTEM, MAINSIDE
MAN864 TP-26A PNEUMATIC SYSTEM, OFFSIDE
MAN757 MAINSIDE & OFFSIDE LEG ASSEMBLY
MAN758 TAG & DECAL LOCATIONS
MAN761 SMALL PARTS BAGS #1, 2, & 3
MAN865 PARTS BOX & CONTENTS
MAN652 CARRIAGE SUB-ASSEMBLY
MAN653 CARRIAGE/LIFTING RODS/YOKE
MAN656 CARRIAGE/SWING ARMS/SLIDERS/LIFTING PADS
MAN659 MAINSIDE CYLINDER ASSEMBLY
MAN660 OFFSIDE CYLINDER ASSEMBLY
MAN661-B SMALL PARTS BAGS #3
MAN766 DIVERTER VALVE ASSEMBLY
MAN767 HOSE ASSEMBLY ROUTING

SEE MANUAL DRAWINGS BELOW FOR FURTHER INFORMATION

MAN750	TP-26A ISOMETRIC ASSEMBLY
MAN750-B	TP-26A OFFSIDE ASSEMBLY
MAN768	HYDRAULIC SYSTEM
MAN751-A	POWER UNIT ASSEMBLY
MAN751-B	FILTER REGULATOR
MAN863	TP-26A PNEUMATIC SYSTEM, MAINSIDE
MAN864	TP-26A PNEUMATIC SYSTEM, OFFSIDE
MAN757	MAINSIDE & OFFSIDE LEG ASSEMBLY
MAN758	TAG & DECAL LOCATIONS
MAN761	SMALL PARTS BAGS #1, 2, & 3
MAN865	PARTS BOX & CONTENTS
MAN652	CARRIAGE SUB-ASSEMBLY
MAN653	CARRIAGE/LIFTING RODS/YOKE
MAN656	CARRIAGE/SWING ARMS/SLIDERS/LIFTING PADS
MAN659	MAINSIDE CYLINDER ASSEMBLY
MAN660	OFFSIDE CYLINDER ASSEMBLY
MAN661-B	SMALL PARTS BAGS #3
MAN766	DIVERTER VALVE ASSEMBLY
MAN767	HOSE ASSEMBLY ROUTING





MAN750-A

REV-C 6/06

ITEM	PART NUMBER	DESCRIPTION	QTY
12	026-002-128	MAIN CYLINDER RETAINING RING	1
11	600-870-002	SNAP RING, 1"	2
10	600-690-001	NUT, LOCK, 5/16-18 NC	2
9	600-640-020	BOLT, 5/16-18 NC x 3 1/2 LG, HEX HEAD CAP	2
8	MAN766	DIVERTER VALVE, 3000 PSI MAX, 6 GPM	1
7	MAN751	HYDRAULIC SYSTEM	1
6	MAN751-A	POWER UNIT ASSEMBLY	1
5	MAN659	MAINSIDE CYLINDER ASSEMBLY	1
4	MAN656	CARRIAGE/SWING ARMS/SLIDERS/LITING PADS	1
3	MAN757	LEG ASSEMBLY	1
2	MAN653	CARRIAGE/LIFTING RODS/YOKE	1
1	MAN652	CARRIAGE SUB-ASSEMBLY	1

TP-26A MAINSIDE ASSEMBLY

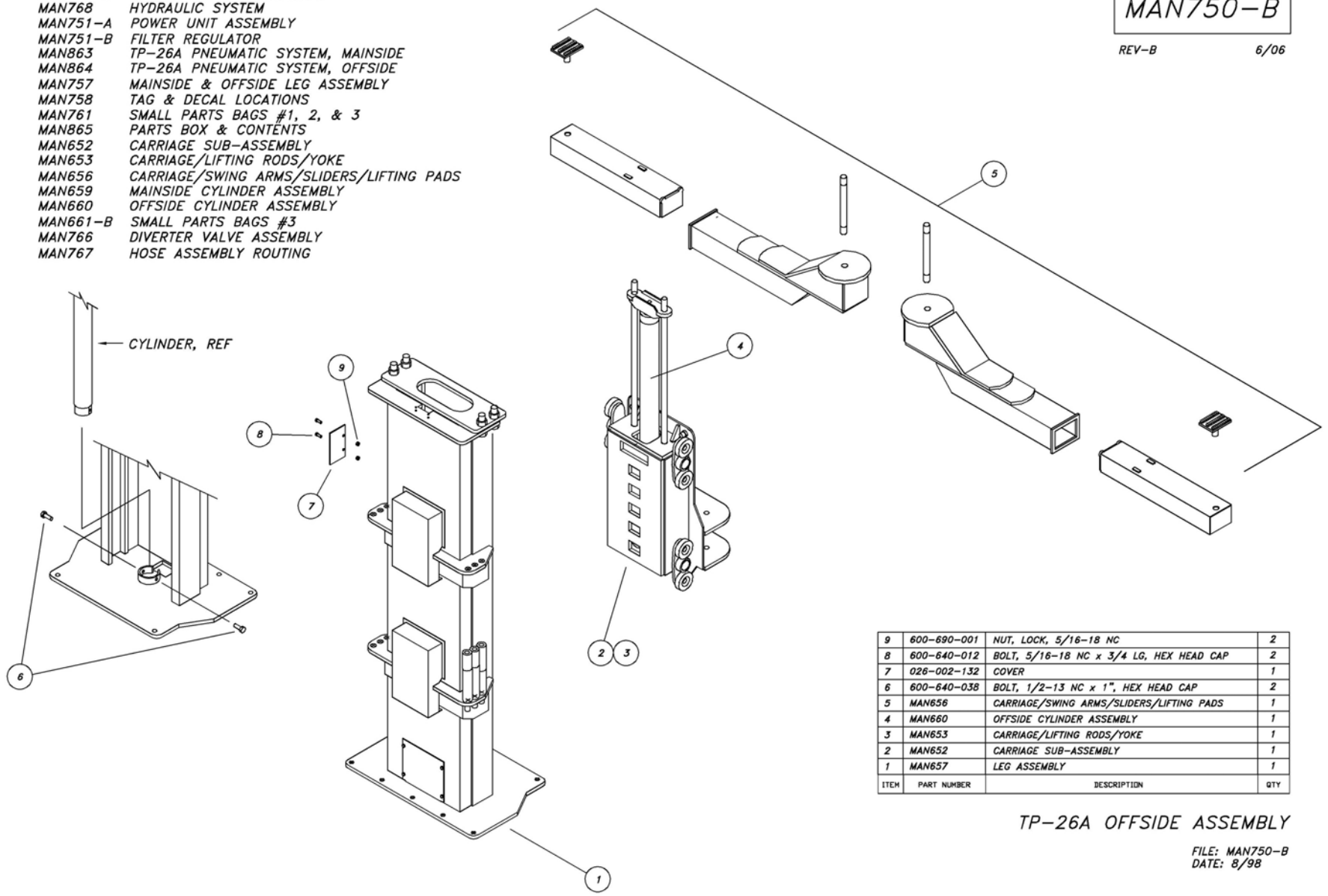
FILE: MAN750-A
DATE: 8/98

SEE MANUAL DRAWINGS BELOW FOR FURTHER INFORMATION

MAN750	TP-26A ISOMETRIC ASSEMBLY
MAN750-B	TP-26A OFFSIDE ASSEMBLY
MAN768	HYDRAULIC SYSTEM
MAN751-A	POWER UNIT ASSEMBLY
MAN751-B	FILTER REGULATOR
MAN863	TP-26A PNEUMATIC SYSTEM, MAINSIDE
MAN864	TP-26A PNEUMATIC SYSTEM, OFFSIDE
MAN757	MAINSIDE & OFFSIDE LEG ASSEMBLY
MAN758	TAG & DECAL LOCATIONS
MAN761	SMALL PARTS BAGS #1, 2, & 3
MAN865	PARTS BOX & CONTENTS
MAN652	CARRIAGE SUB-ASSEMBLY
MAN653	CARRIAGE/LIFTING RODS/YOKE
MAN656	CARRIAGE/SWING ARMS/SLIDERS/LIFTING PADS
MAN659	MAINSIDE CYLINDER ASSEMBLY
MAN660	OFFSIDE CYLINDER ASSEMBLY
MAN661-B	SMALL PARTS BAGS #3
MAN766	DIVERTER VALVE ASSEMBLY
MAN767	HOSE ASSEMBLY ROUTING

MAN750-B

REV-B 6/06

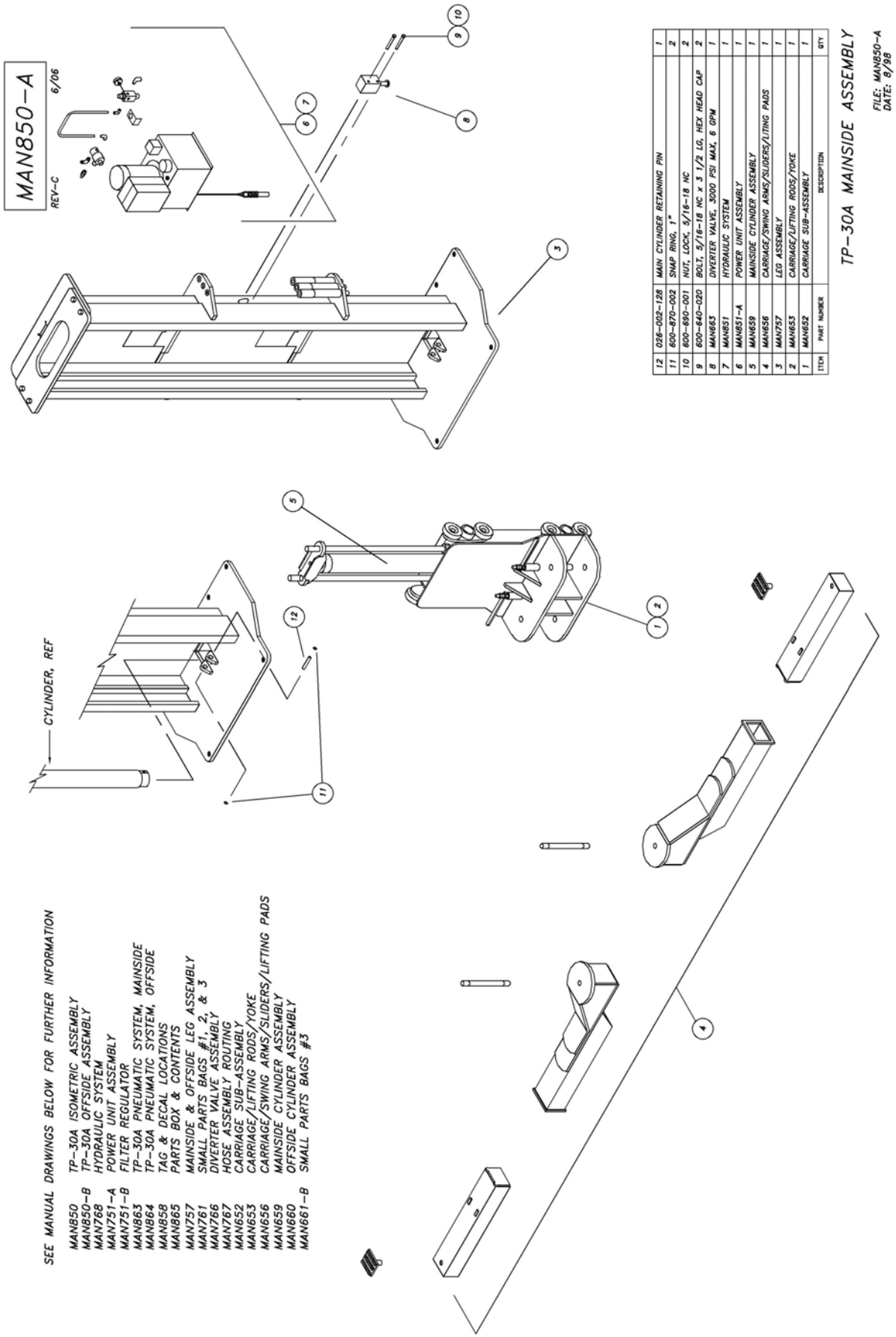


ITEM	PART NUMBER	DESCRIPTION	QTY
9	600-690-001	NUT, LOCK, 5/16-18 NC	2
8	600-640-012	BOLT, 5/16-18 NC x 3/4 LG, HEX HEAD CAP	2
7	026-002-132	COVER	1
6	600-640-038	BOLT, 1/2-13 NC x 1", HEX HEAD CAP	2
5	MAN656	CARRIAGE/SWING ARMS/SLIDERS/LIFTING PADS	1
4	MAN660	OFFSIDE CYLINDER ASSEMBLY	1
3	MAN653	CARRIAGE/LIFTING RODS/YOKE	1
2	MAN652	CARRIAGE SUB-ASSEMBLY	1
1	MAN657	LEG ASSEMBLY	1

TP-26A OFFSIDE ASSEMBLY

FILE: MAN750-B
DATE: 8/98

TP-30A ISOMETRIC FINAL ASSEMBLY
FILE: MAN850
DATE: 8/98
MAN850
REV-C
6/06
SEE MANUAL DRAWINGS BELOW FOR FURTHER INFORMATION
MAN850-A TP-30A MAINSIDE ASSEMBLY
MAN850-B TP-30A OFFSIDE ASSEMBLY
MAN768 HYDRAULIC SYSTEM
MAN751-A POWER UNIT ASSEMBLY
MAN751-B FILTER REGULATOR
MAN863 TP-30A PNEUMATIC SYSTEM, MAINSIDE
MAN864 TP-30A PNEUMATIC SYSTEM, OFFSIDE
MAN858 TAG & DECAL LOCATIONS
MAN865 PARTS BOX & CONTENTS
MAN757 MAINSIDE & OFFSIDE LEG ASSEMBLY
MAN761 SMALL PARTS BAGS #1, 2, & 3
MAN766 DIVERTER VALVE ASSEMBLY
MAN767 HOSE ASSEMBLY ROUTING
MAN652 CARRIAGE SUB-ASSEMBLY
MAN653 CARRIAGE/LIFTING RODS/YOKE
MAN656 CARRIAGE/SWING ARMS/SLIDERS/LIFTING PADS
MAN659 MAINSIDE CYLINDER ASSEMBLY
MAN660 OFFSIDE CYLINDER ASSEMBLY
MAN661-B SMALL PARTS BAGS #3



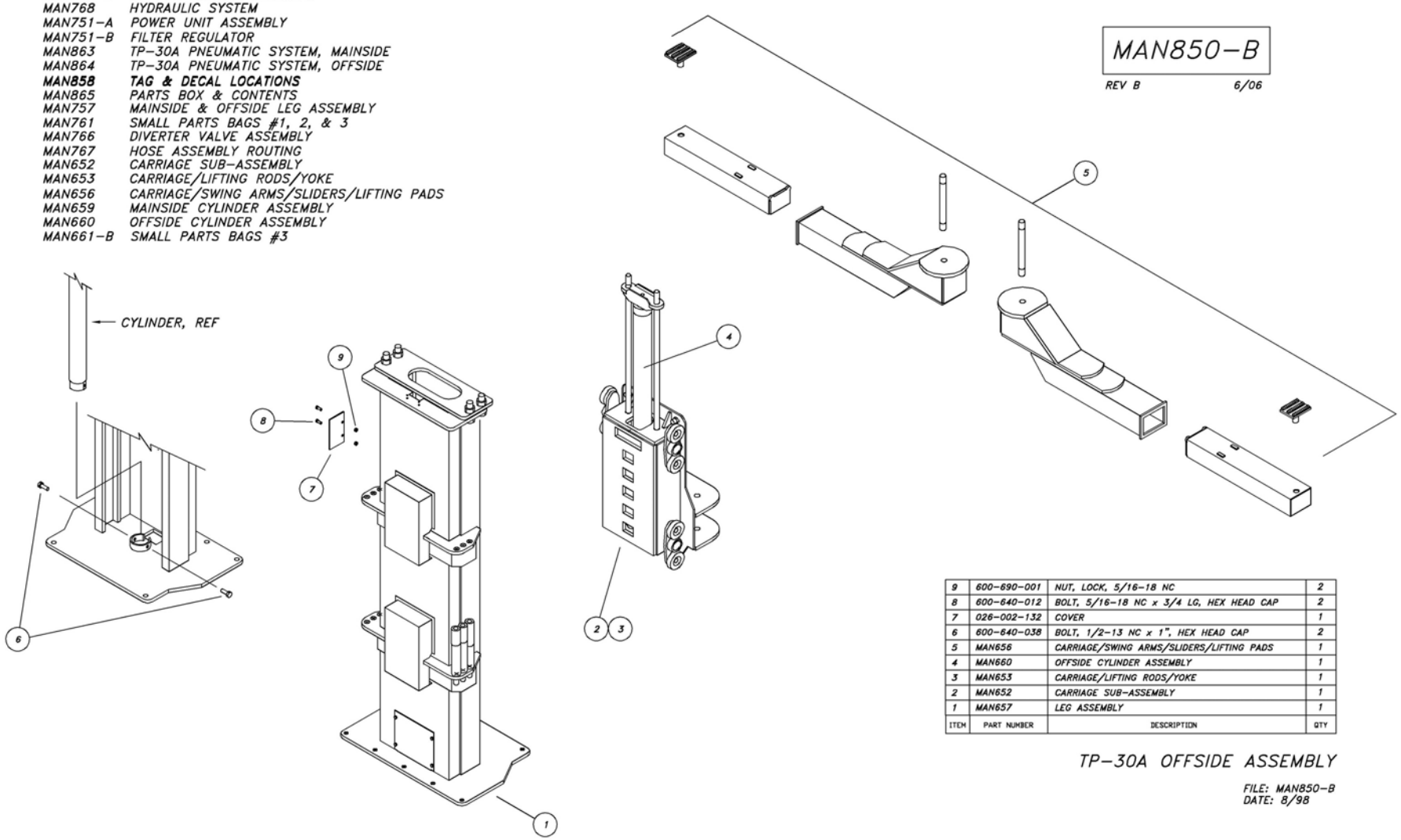
ITEM	PART NUMBER	DESCRIPTION	QTY
12	026-002-128	MAIN CYLINDER RETAINING PIN	1
11	600-870-002	SNAP RING, 1"	2
10	600-690-001	NUT, LOCK, 5/16-18 NC	2
9	600-640-020	BOLT, 5/16-18 NC x 3 1/2 LG, HEX HEAD CAP	2
8	MAN663	DIVERTER VALVE, 3000 PSI MAX, 6 GPM	1
7	MAN851	HYDRAULIC SYSTEM	1
6	MAN851-A	POWER UNIT ASSEMBLY	1
5	MAN659	MAINSIDE CYLINDER ASSEMBLY	1
4	MAN656	CARRIAGE/SWING ARMS/SLIDERS/LITING PADS	1
3	MAN757	LEG ASSEMBLY	1
2	MAN653	CARRIAGE/LIFTING RODS/YOKE	1
1	MAN652	CARRIAGE SUB-ASSEMBLY	1

TP-30A MAINSIDE ASSEMBLY

FILE: MAN850-A
DATE: 8/98

SEE MANUAL DRAWINGS BELOW FOR FURTHER INFORMATION

MAN850	TP-30A ISOMETRIC ASSEMBLY
MAN850-B	TP-30A OFFSIDE ASSEMBLY
MAN768	HYDRAULIC SYSTEM
MAN751-A	POWER UNIT ASSEMBLY
MAN751-B	FILTER REGULATOR
MAN863	TP-30A PNEUMATIC SYSTEM, MAINSIDE
MAN864	TP-30A PNEUMATIC SYSTEM, OFFSIDE
MAN858	**TAG & DECAL LOCATIONS**
MAN865	PARTS BOX & CONTENTS
MAN757	MAINSIDE & OFFSIDE LEG ASSEMBLY
MAN761	SMALL PARTS BAGS #1, 2, & 3
MAN766	DIVERTER VALVE ASSEMBLY
MAN767	HOSE ASSEMBLY ROUTING
MAN652	CARRIAGE SUB-ASSEMBLY
MAN653	CARRIAGE/LIFTING RODS/YOKE
MAN656	CARRIAGE/SWING ARMS/SLIDERS/LIFTING PADS
MAN659	MAINSIDE CYLINDER ASSEMBLY
MAN660	OFFSIDE CYLINDER ASSEMBLY
MAN661-B	SMALL PARTS BAGS #3



ITEM	PART NUMBER	DESCRIPTION	QTY
9	600-690-001	NUT, LOCK, 5/16-18 NC	2
8	600-640-012	BOLT, 5/16-18 NC x 3/4 LG, HEX HEAD CAP	2
7	026-002-132	COVER	1
6	600-640-038	BOLT, 1/2-13 NC x 1", HEX HEAD CAP	2
5	MAN656	CARRIAGE/SWING ARMS/SLIDERS/LIFTING PADS	1
4	MAN660	OFFSIDE CYLINDER ASSEMBLY	1
3	MAN653	CARRIAGE/LIFTING RODS/YOKE	1
2	MAN652	CARRIAGE SUB-ASSEMBLY	1
1	MAN657	LEG ASSEMBLY	1

TP-30A OFFSIDE ASSEMBLY

FILE: MAN850-B
DATE: 8/98

MAN768

REV-A 5/06

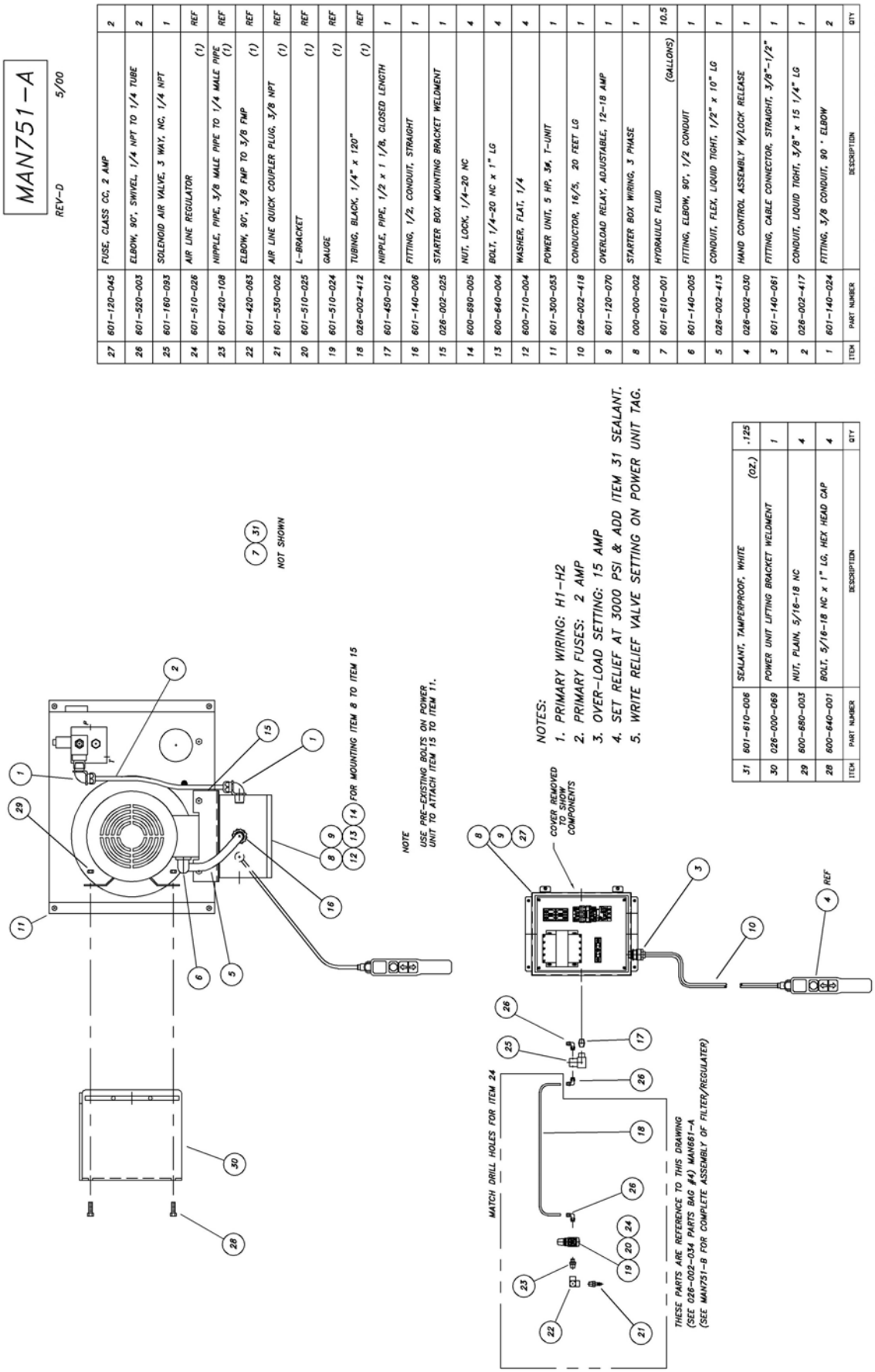
ITEM	PART NUMBER	DESCRIPTION	QTY
21	601-420-017	ELBOW, 90°, #6 ORB TO #6 JIC AEROQUIP #2062-6-6S	(8) REF
20	601-410-030	DIVERTER VALVE, 3000 PSI MAX, 6 GPM FLUID POWER #242239AA	(1) REF
19	026-002-013	TUBING ASSEMBLY, 70 3/4"	(1) REF
18	026-002-014	TUBING ASSEMBLY, 68 1/2"	(1) REF
17	000-001-035	TUBING ASSEMBLY, 76"	(2) REF
16	026-002-059	HOSE ASSEMBLY, 75"	(1) REF
15	026-002-058	HOSE ASSEMBLY, 70"	(1) REF
14	601-420-052	ELBOW, 90°, #6 JIC MALE TO #6 JIC MALE AEROQUIP #2039-6-6S	(2) REF
13	601-410-025	NEEDLE VALVE, 8 GPM PARKER #N-600-S	(1) REF
12	601-420-057	TEE, 3/8 FEMALE PIPE TO 3/8 MALE PIPE AEROQUIP #2093-6-6S	(1) REF
11	601-410-024	FLOW CONTROL VALVE, 8 GPM PARKER #F-600-S	(1) REF
10	601-420-012	TEE, 3/8 MALE PIPE TO #6 JIC AEROQUIP #2030-6-6S	(1) REF
9	601-420-007	ELBOW, 90°, 3/8 MALE PIPE TO #6 JIC MALE AEROQUIP #2024-6-6S	(1) REF
8	601-420-010	ELBOW, 90°, 3/8 FEMALE PIPE TO 3/8 MALE PIPE AEROQUIP #2089-6-6S	(1) REF
7	601-420-022	UNION, 3/8 MALE PIPE TO 3/8 MALE PIPE AEROQUIP #2083-6-6S	(1) REF
6	601-420-056	STRAIGHT, 3/8 FEMALE PIPE TO #8 ORB AEROQUIP #2216-6-8S	(1) REF
5	018-012-019	TUBING ASSEMBLY, 93 3/4"	(4) REF
4	026-002-048	TUBING ASSEMBLY, 20"	(1) REF
3	601-420-058	REDUCER, 3/4 MALE PIPE TO 1/4 FEMALE PIPE AEROQUIP #2081-12-4S	(1) REF
2	601-420-014	ELBOW, 90°, 1/4 MALE PIPE TO #6 JIC AEROQUIP #2024-4-6S	(1) REF
1	026-002-044	POWER UNIT SUB-ASSEMBLY	(1) REF

TP-26A & TP-30A HYDRAULIC SYSTEM

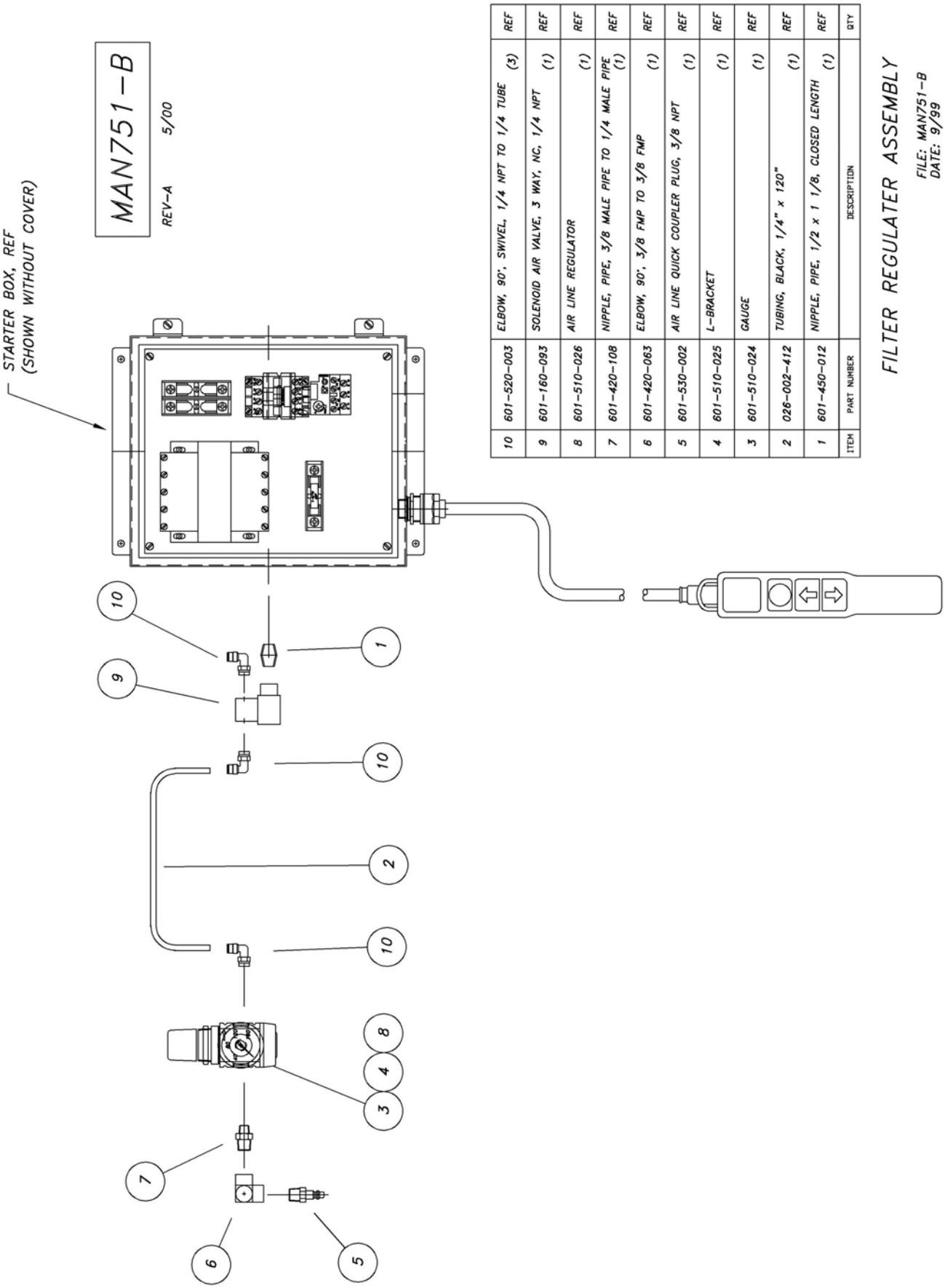
FILE: MAN768
DATE: 8/05

ITEM	PART NUMBER	DESCRIPTION	QTY
31	601-420-046	TEE (BRANCH), #6 ORB TO #6 JIC AEROQUIP #203003-6-6S	(1) REF
30	020-000-026	TUBING ASSEMBLY, 136 1/2"	(1) REF
29	000-001-079	TUBING ASSEMBLY, 120"	(2) REF
28	026-002-008	OFFSIDE CYLINDER ASSEMBLY	(1) REF
27	018-012-016	TUBING ASSEMBLY, 66 1/4"	(1) REF
26	026-002-007	MAINSIDE CYLINDER ASSEMBLY	(1) REF
25	601-420-011	UNION, #6 JIC TO #6 JIC AEROQUIP #2027-6-6S	(1) REF
24	601-410-034	VELOCITY FUSE, 6 GPM VONBERG #28135-6	(2) REF
23	018-012-015	TUBING ASSEMBLY, 63 1/4"	(8) REF
22	018-012-018	TUBING ASSEMBLY, 136 1/2"	(1) REF

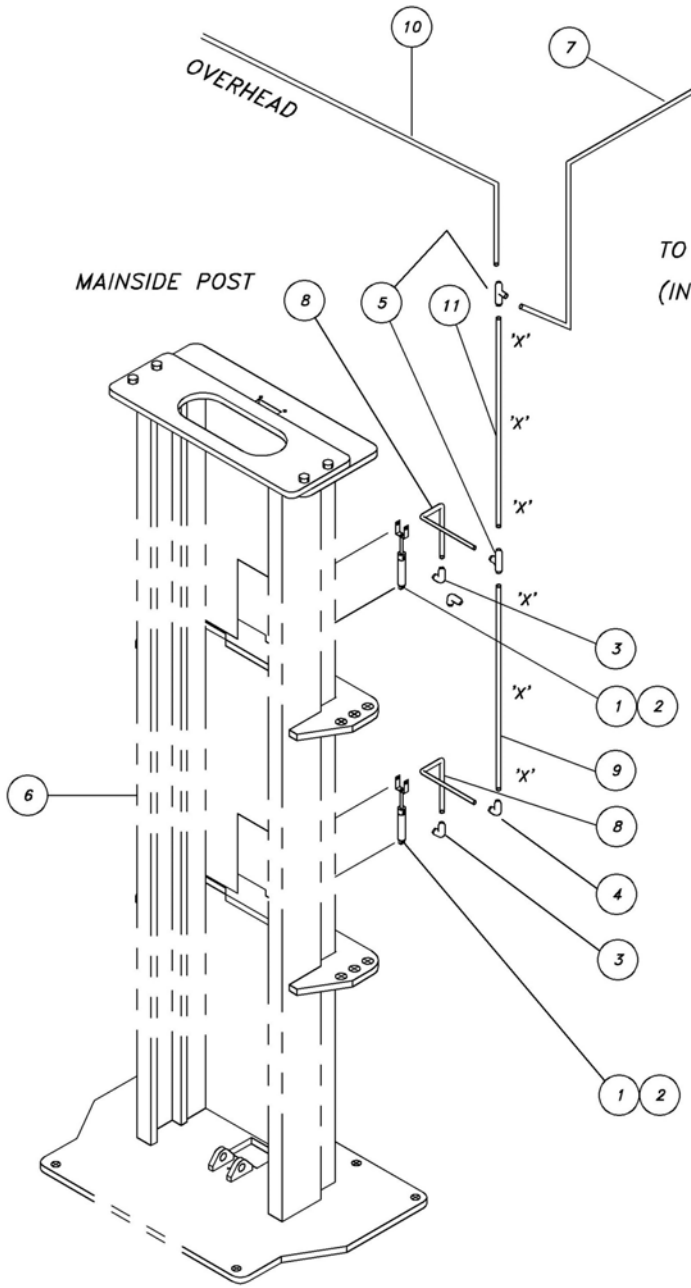
SEE DRAWING MAN767
FOR HOSE ROUTING AND ASSEMBLY



ITEM	PART NUMBER	DESCRIPTION	QTY
27	601-120-045	FUSE, CLASS CC, 2 AMP	2
26	601-520-003	ELBOW, 90°, SWIVEL, 1/4 NPT TO 1/4 TUBE	2
25	601-180-093	SOLENOID AIR VALVE, 3 WAY, NC, 1/4 NPT	1
24	601-510-026	AIR LINE REGULATOR (1)	REF
23	601-420-108	NIPPLE, PIPE, 3/8 MALE PIPE TO 1/4 MALE PIPE (1)	REF
22	601-420-063	ELBOW, 90°, 3/8 FNP TO 3/8 FNP (1)	REF
21	601-530-002	AIR LINE QUICK COUPLER PLUG, 3/8 NPT (1)	REF
20	601-510-025	L-BRACKET (1)	REF
19	601-510-024	GAUGE (1)	REF
18	026-002-412	TUBING, BLACK, 1/4" x 120" (1)	REF
17	601-450-012	NIPPLE, PIPE, 1/2 x 1 1/8, CLOSED LENGTH	1
16	601-140-006	FITTING, 1/2, CONDUIT, STRAIGHT	1
15	026-002-025	STARTER BOX MOUNTING BRACKET WELDMENT	1
14	600-680-005	NUT, LOCK, 1/4-20 NC	4
13	600-640-004	BOLT, 1/4-20 NC x 1" LG	4
12	600-710-004	WASHER, FLAT, 1/4	4
11	601-300-053	POWER UNIT, 5 HP, 3Ø, T-UNIT	1
10	026-002-418	CONDUCTOR, 16/3, 20 FEET LG	1
9	601-120-070	OVERLOAD RELAY, ADJUSTABLE, 12-18 AMP	1
8	000-000-002	STARTER BOX WIRING, 3 PHASE	1
7	601-610-001	HYDRAULIC FLUID (GALLONS)	10.5
6	601-140-005	FITTING, ELBOW, 90°, 1/2 CONDUIT	1
5	026-002-413	CONDUIT, FLEX, LIQUID TIGHT, 1/2" x 10" LG	1
4	026-002-030	HAND CONTROL ASSEMBLY W/LOCK RELEASE	1
3	601-140-061	FITTING, CABLE CONNECTOR, STRAIGHT, 3/8"-1/2"	1
2	026-002-417	CONDUIT, LIQUID TIGHT, 3/8" x 15 1/4" LG	1
1	601-140-024	FITTING, 3/8 CONDUIT, 90 ° ELBOW	2
ITEM	PART NUMBER	DESCRIPTION	QTY
31	601-610-006	SEALANT, TAMPERPROOF, WHITE (oz.) .125	
30	026-000-069	POWER UNIT LIFTING BRACKET WELDMENT	1
29	600-680-003	NUT, PLAIN, 5/16-18 NC	4
28	600-640-001	BOLT, 5/16-18 NC x 1" LG, HEX HEAD CAP	4



ITEM	PART NUMBER	DESCRIPTION	QTY
10	601-520-003	ELBOW, 90°, SWIVEL, 1/4 NPT TO 1/4 TUBE	(3) REF
9	601-160-093	SOLENOID AIR VALVE, 3 WAY, NC, 1/4 NPT	(1) REF
8	601-510-026	AIR LINE REGULATOR	(1) REF
7	601-420-108	NIPPLE, PIPE, 3/8 MALE PIPE TO 1/4 MALE PIPE	(1) REF
6	601-420-063	ELBOW, 90°, 3/8 FMP TO 3/8 FMP	(1) REF
5	601-530-002	AIR LINE QUICK COUPLER PLUG, 3/8 NPT	(1) REF
4	601-510-025	L-BRACKET	(1) REF
3	601-510-024	GAUGE	(1) REF
2	026-002-412	TUBING, BLACK, 1/4" x 120"	(1) REF
1	601-450-012	NIPPLE, PIPE, 1/2 x 1 1/8, CLOSED LENGTH	(1) REF



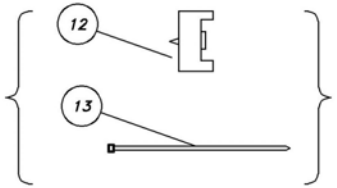
TO FILTER/REGULATER ASSEMBLY
(IN PARTS BOX FOR SHIPPMENT)

NOTE:
ALL PNEUMATIC LINES TO BE ROUTED ON INSIDE OF LEGS.

MAINSIDE

MAN863

REV-A 6/06

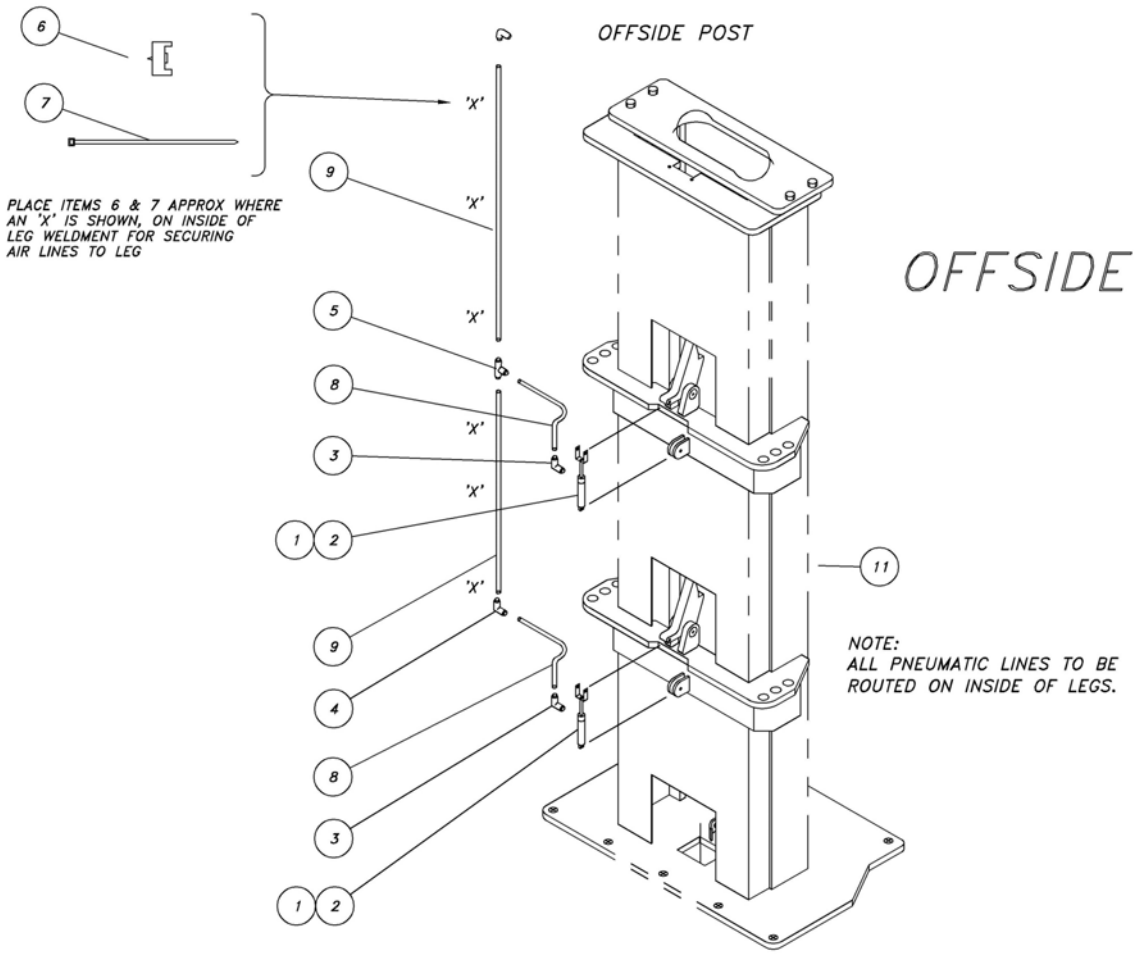


PLACE ITEMS 12 & 13 APPROX WHERE AN 'X' IS SHOWN, ON INSIDE OF LEG WELDMENT FOR SECURING AIR LINES TO LEG

ITEM	PART NUMBER	DESCRIPTION	QTY
13	601-600-021	PULL TIE, 15"	6
12	601-600-059	CABLE TIE HOLDER	6
11	601-520-001	TUBING, 1/4" x FEET (41")	3.4'
10	601-520-001	TUBING, 1/4" x FEET (314")	26.2
9	601-520-001	TUBING, 1/4" xFEET (42")	3.5'
8	601-520-001	TUBING, 1/4" x FEET (11")	1.8'
7	601-520-001	TUBING, BLACK, 1/4 x FEET (36")	REF
6	026-002-055	MAINSIDE SECONDARY LEG ASSEMBLY (1)	REF
5	601-520-004	UNION TEE, 1/4" TUBE	2
4	601-520-003	90° ELBOW SWIVEL, 1/4 NPT TO 1/4 TUBE	1
3	601-520-002	90° ELBOW SWIVEL, 1/8 NPT TO 1/4 TUBE	2
2	026-002-106	LOCK CYLINDER CLEVIS, 1/4 x 3/4(FLAT) x 5 5/8 (2)	REF
1	601-510-006	AIR CYLINDER (2)	REF

TP-26A & TP-30A PNEUMATIC SYSTEM

FILE: MAN863
DATE: 8/05



OFFSIDE

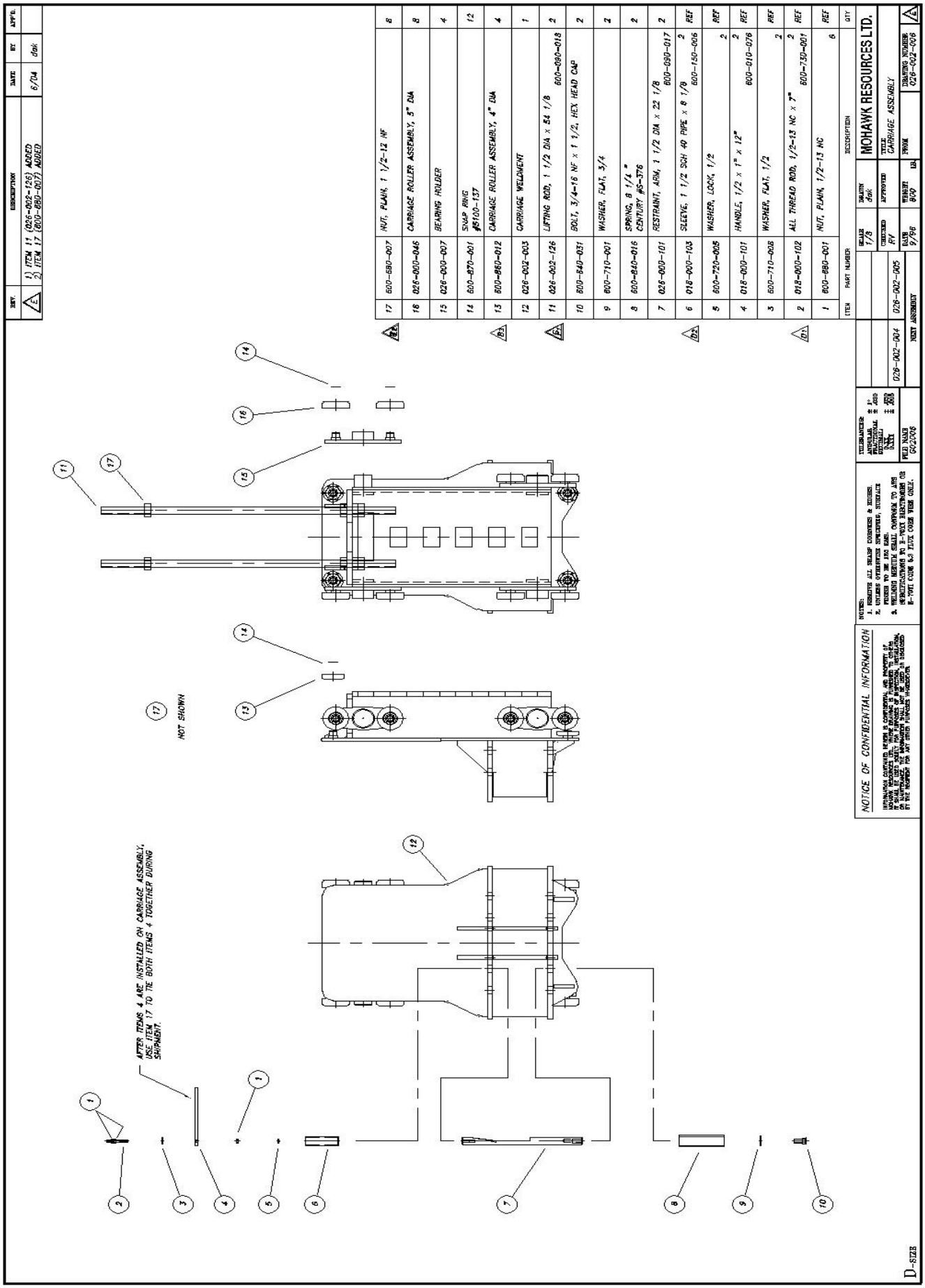
MAN864

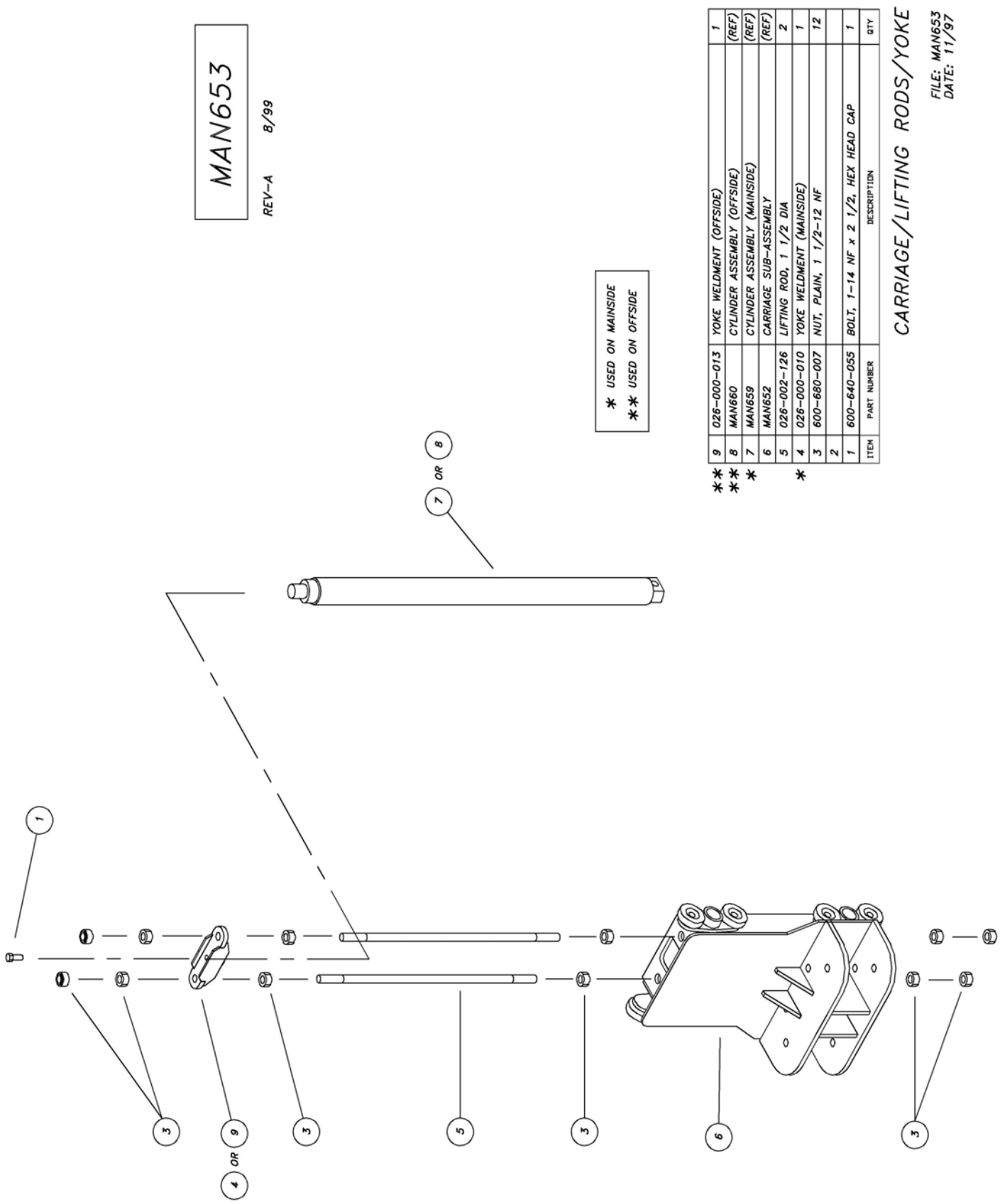
REV-A 6/06

ITEM	PART NUMBER	DESCRIPTION	QTY
11	026-002-027	OFFSIDE SECONDARY LEG ASSEMBLY (OFF) (1)	REF
10			
9	026-002-407	TUBING, 1/4" x 42" LG	1
8	026-002-406	TUBING, 1/4" x 11" LG	2
7	601-600-059	CABLE TIE HOLDER	6
6	601-600-021	PULL TIE, 15"	6
5	601-520-004	UNION TEE, 1/4" TUBE	1
4	601-520-003	90° ELBOW SWIVEL, 1/4 NPT TO 1/4 TUBE	2
3	601-520-002	90° ELBOW SWIVEL, 1/8 NPT TO 1/4 TUBE	2
2	026-002-024	CLEVIS WELDMENT (2)	REF
1	601-510-006	AIR CYLINDER (2)	REF

TP-26A & TP-30A PNEUMATIC SYSTEM

FILE: MAN864
DATE: 8/05


REV.
DESCRIPTION
DATE
BY
APP'D
1) ITEM 11 (026-002-126) ADDED
2) ITEM 17 (800-880-007) ADDED
6/04
dak
ITEM
PART NUMBER
DESCRIPTION
QTY
17 600-580-007 NUT, PLAIN, 1 1/2-12 NF 8
16 026-000-046 CARRIAGE ROLLER ASSEMBLY, 3" DIA 8
15 026-000-007 BEARING HOLDER 4
14 600-870-001 SNAP RING #5100-137 12
13 800-860-012 CARRIAGE ROLLER ASSEMBLY, 4" DIA 4
12 026-002-003 CARRIAGE WELDMENT 1
11 026-002-126 LIFTING ROD, 1 1/2 DIA x 54 1/8 600-090-018 2
10 800-840-031 BOLT, 3/4-16 NF x 1 1/2, HEX HEAD CAP 2
9 800-710-001 WASHER, FLAT, 3/4 2
8 600-840-016 SPRING, 8 1/4" CENTURY #S-376 2
7 026-000-101 RESTRAINT, ARM, 1 1/2 DIA x 22 1/8 600-090-017 2
6 018-000-103 SLEEVE, 1 1/2 SCH 40 PIPE x 8 1/8 2 600-150-006 REF
5 800-720-005 WASHER, LOCK, 1/2 2 REF
4 018-000-101 HANDLE, 1/2 x 1" x 12" 2 600-010-076 REF
3 600-710-008 WASHER, FLAT, 1/2 2 REF
2 018-000-102 ALL THREAD ROD, 1/2-13 NC x 7" 2 800-730-001 REF
1 800-880-001 NUT, PLAIN, 1/2-13 NC 6 REF
NOTICE OF CONFIDENTIAL INFORMATION
MOHAWK RESOURCES LTD.
TITLE CARRIAGE ASSEMBLY
DRAWING NUMBER 026-002-006
NEXT ASSEMBLY 026-002-004
026-002-005
AFTER ITEMS 4 ARE INSTALLED ON CARRIAGE ASSEMBLY, USE ITEM 17 TO TIE BOTH ITEMS 4 TOGETHER DURING SHIPMENT.
NOT SHOWN
D-SIZE

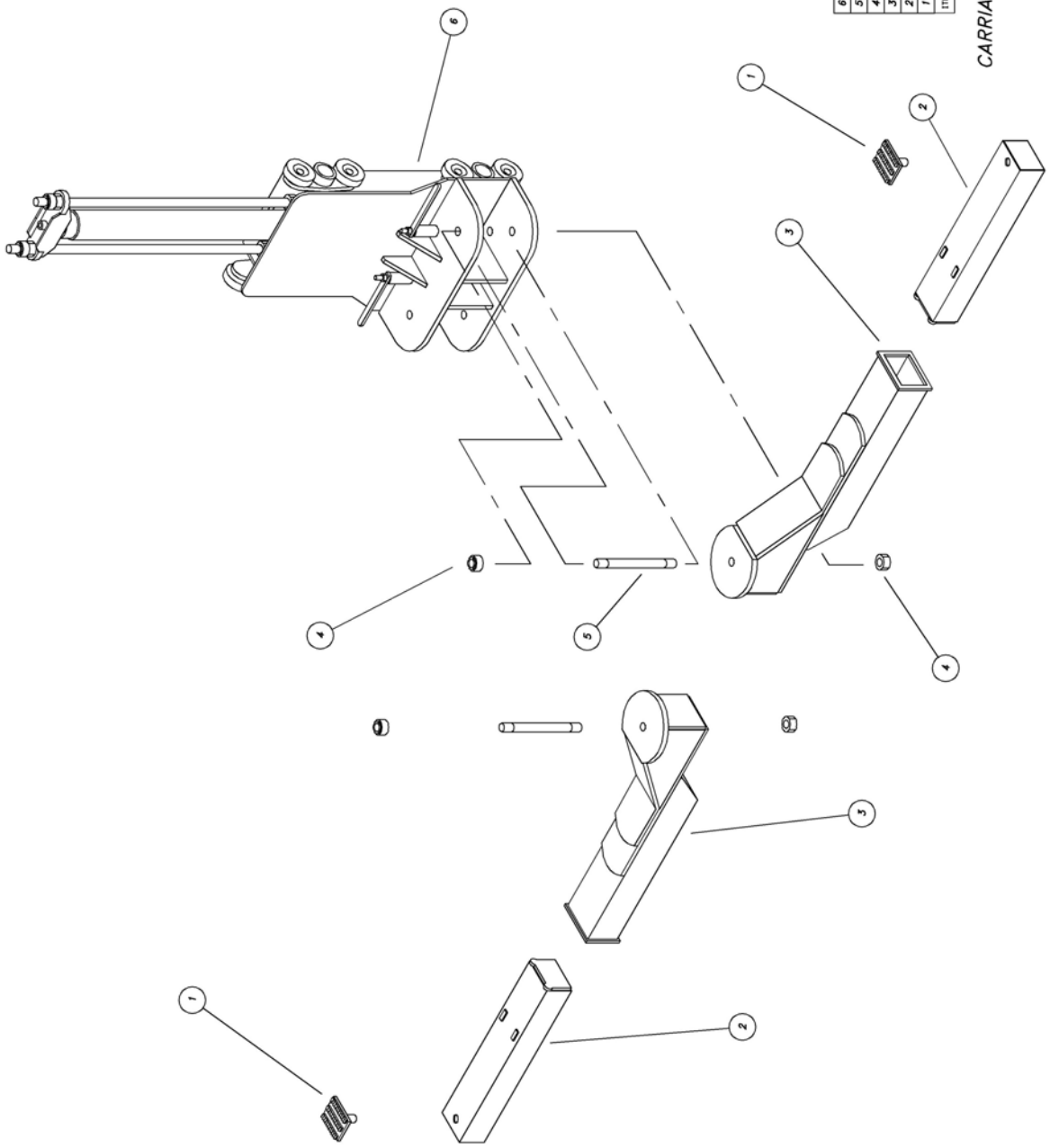

MAN653
REV-A 8/99
* USED ON MAINSIDE
** USED ON OFFSIDE
CARRIAGE/LIFTING RODS/YOKE
FILE: MAN653
DATE: 11/97
ITEM | PART NUMBER | DESCRIPTION | QTY
9 | 026-000-013 | YOKE WELDMENT (OFFSIDE) | 1
8 | MAN660 | CYLINDER ASSEMBLY (OFFSIDE) | (REF)
7 | MAN659 | CYLINDER ASSEMBLY (MAINSIDE) | (REF)
6 | MAN652 | CARRIAGE SUB-ASSEMBLY | (REF)
5 | 026-002-126 | LIFTING ROD, 1 1/2 DIA | 2
4 | 026-000-010 | YOKE WELDMENT (MAINSIDE) | 1
3 | 600-680-007 | NUT, PLAIN, 1 1/2-12 NF | 12
2
1 | 600-640-055 | BOLT, 1-14 NF x 2 1/2, HEX HEAD CAP | 1
** 8 OR 7
* 9 OR 4
1
3
9
3
5
3
6
3

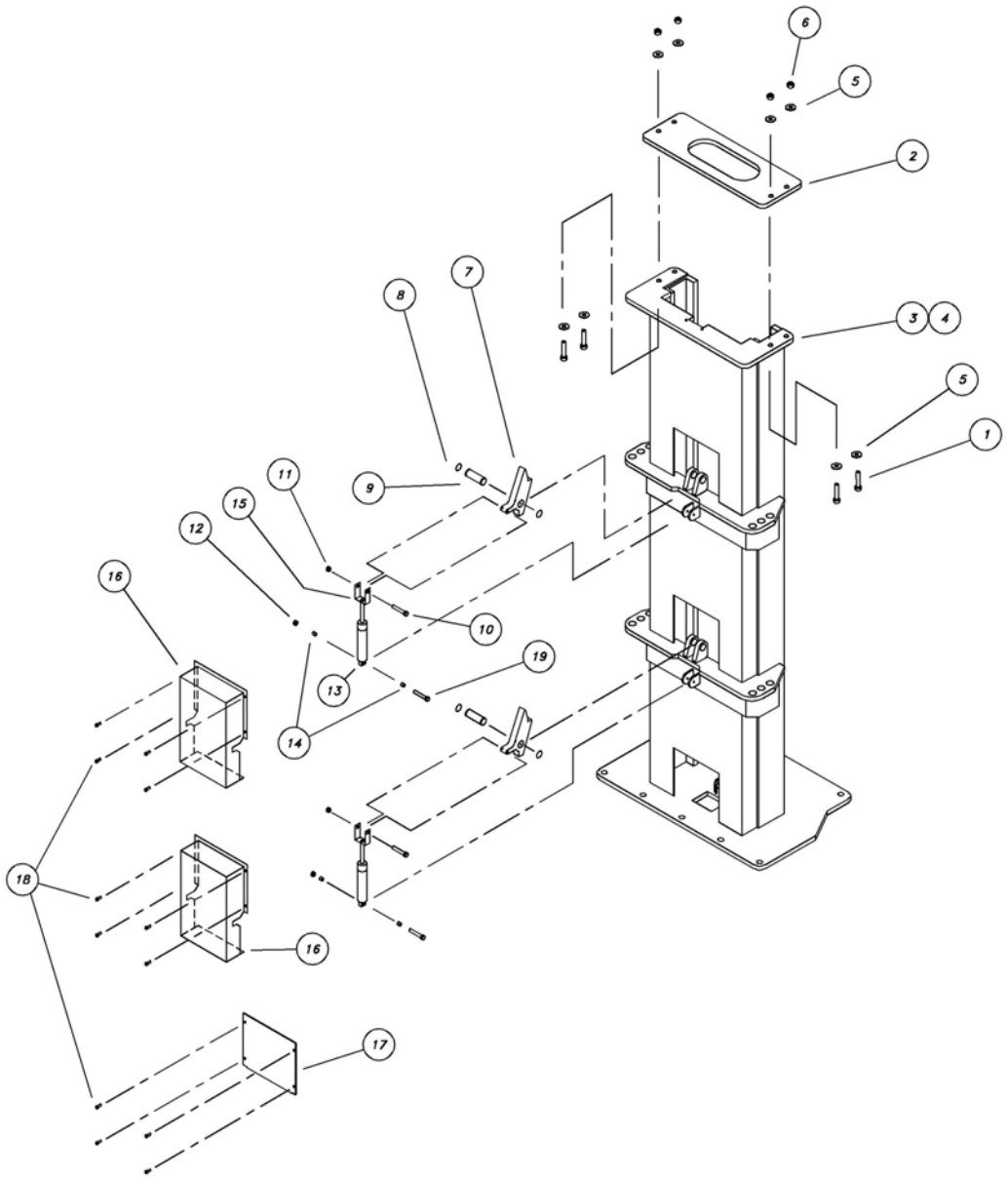
MAN656

ITEM	PART NUMBER	DESCRIPTION	QTY
6	MAN653	CARRIAGE SUB-ASSEMBLY	1
5	026-000-153	SWING ARM PIN	2
4	600-690-013	NUT, LOCK, 1 1/2-12 NF	4
3	026-000-044	SWING ARM WELDMENT	2
2	018-001-002	SLIDER ARM WELDMENT	2
1	012-012-047	LIFTING PAD WELDMENT	2

CARRIAGE/SWING ARMS/SLIDERS/LIFTING PADS

FILE: MAN656
DATE: 11/97





MAN757

REV-A 9/99

ITEM	PART NUMBER	DESCRIPTION	QTY
19	600-640-067	BOLT, 1/4-20 NC x 3" HEX HEAD CAP	2
18	600-640-053	BOLT, 5/16-18 NC x 1/2" HEX HEAD CAP	12
17	026-002-105	ACCESS HOLE COVER	1
16	026-002-104	LOCK COVER	2
15	026-002-106	LOCK CYLINDER CLEVIS	2
14	601-420-003	SLEEVE, 3/8 TUBE	4
13	601-510-006	AIR CYLINDER	2
12	600-690-005	NUT, LOCK, 1/4-20 NC	2
11	600-690-001	NUT, LOCK, 5/16-18 NC	2
10	600-640-068	BOLT, 5/16-18 NC x 3" HEX HEAD CAP	2
9	026-002-130	LOCK BODY PIN, 1 1/2 DIA	2
8	600-870-004	SNAP RING, #5100-150	4
7	026-002-107	LOCK BODY	2
6	600-690-003	NUT, LOCK, 3/4-16 NC	4
5	600-710-001	WASHER, FLAT, 3/4	8
4	026-002-002	OFFSIDE LEG WELDMENT	1
3	026-002-001	MAINSIDE LEG WELDMENT	1
2	026-002-114	CARRIAGE STOP	1
1	600-640-011	BOLT, 3/4-16 NC x 3 1/2 HEX HEAD CAP	4

MAINSIDE & OFFSIDE LEG ASSEMBLY

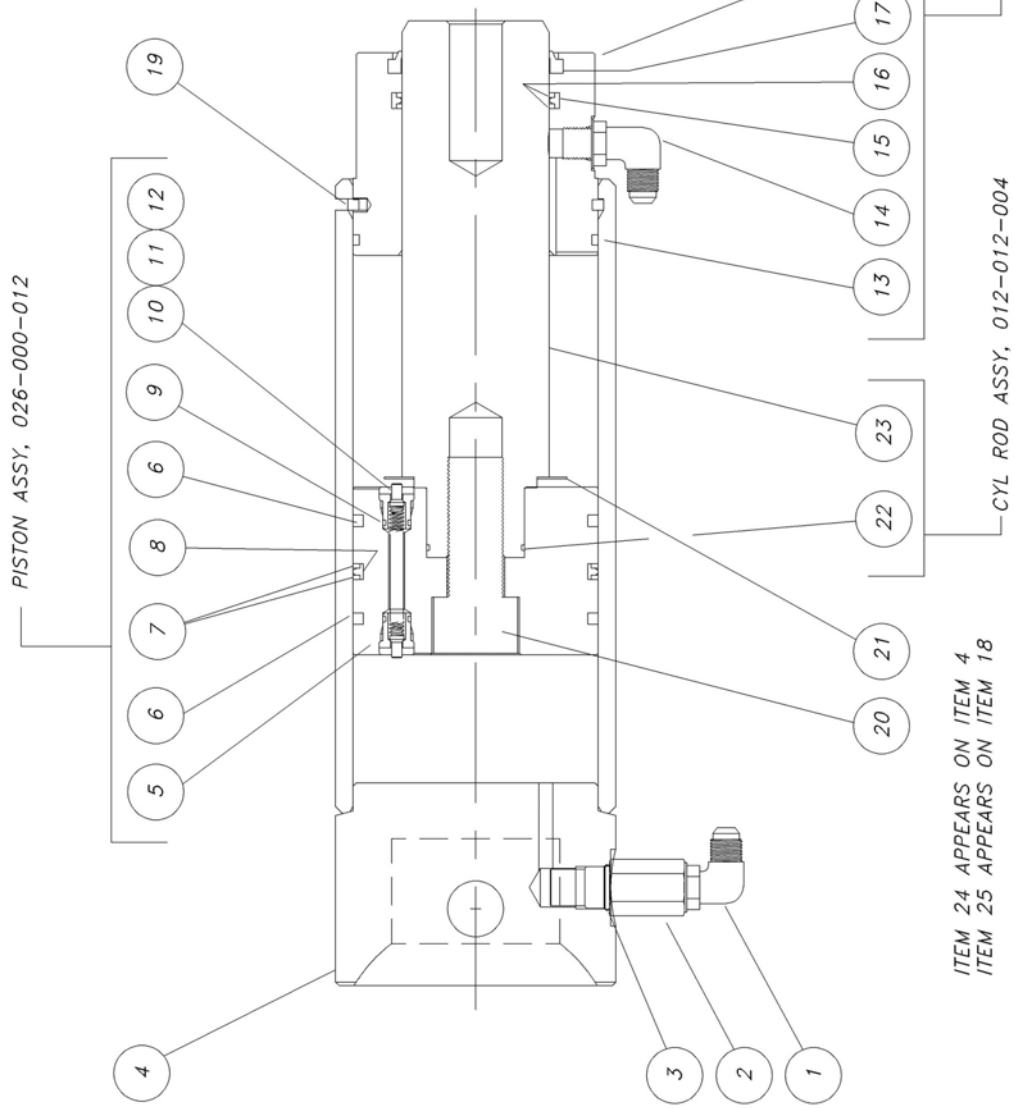
FILE: MAN757
DATE: 8/98

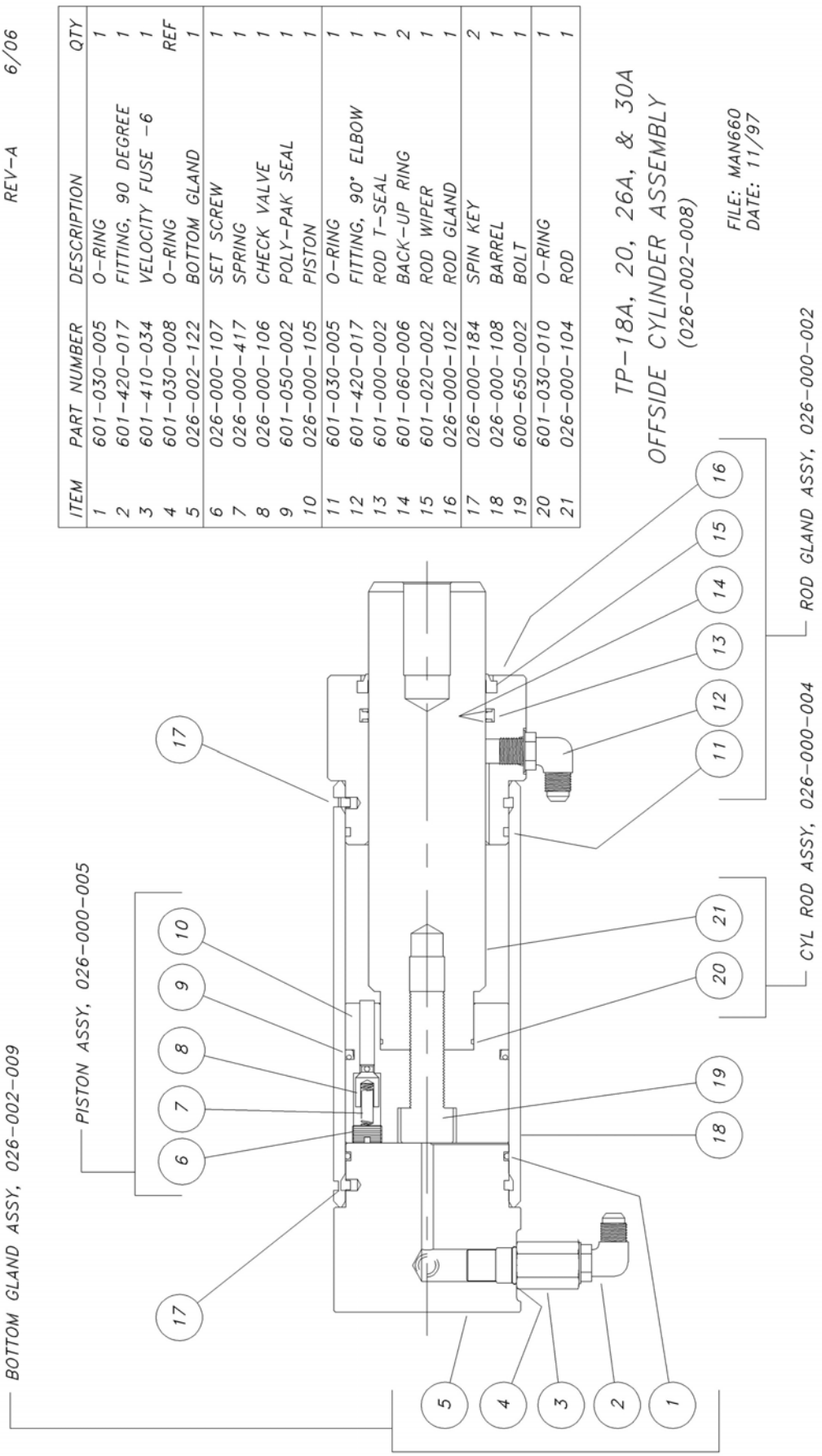
MAN659

ITEM	PART NUMBER	DESCRIPTION	QTY
1	601-420-017	FITTING	1
2	601-410-034	VELOCITY FUSE -6	1
3	601-030-008	O-RING	REF
4	026-002-010	BARREL WELDMENT	1
5	026-000-112	PISTON	1
6	601-050-003	SEAL POLYPACK	2
7	601-060-011	BACK-UP RING	2
8	601-010-001	PISTON T-SEAL	1
9	601-030-002	O-RING	2
10	009-001-152	SPOOL	2
11	600-840-009	SPRING	1
12	009-001-153	RETAINER	2
13	601-030-011	O-RING	1
14	601-420-017	FITTING	1
15	601-000-003	ROD T-SEAL	1
16	601-060-007	BACK-UP RING	2
17	601-020-003	WIPER	1
18	026-000-111	ROD GLAND	1
19	026-000-183	SPIN KEY	1
20	600-650-001	BOLT	1
21	007-007-143	WASHER	1
22	601-030-009	O-RING	1
23	012-012-103	ROD	1
24	601-800-021	DECAL, CAUTION	1
25	601-800-022	DECAL, PATENT	1

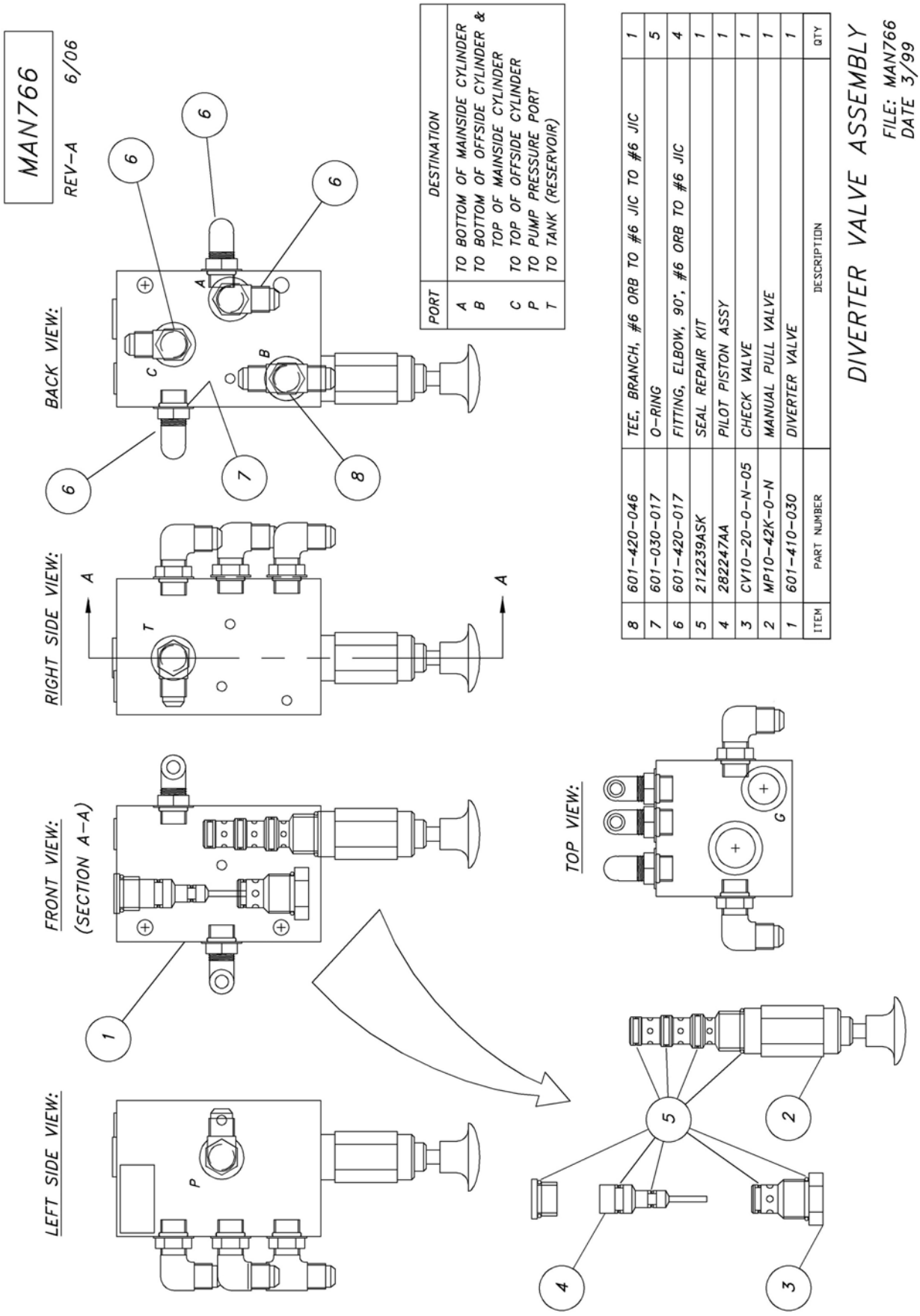
TP-18A, 20, 26A, & 30A
MAINSIDE CYLINDER ASSEMBLY
(026-002-007)

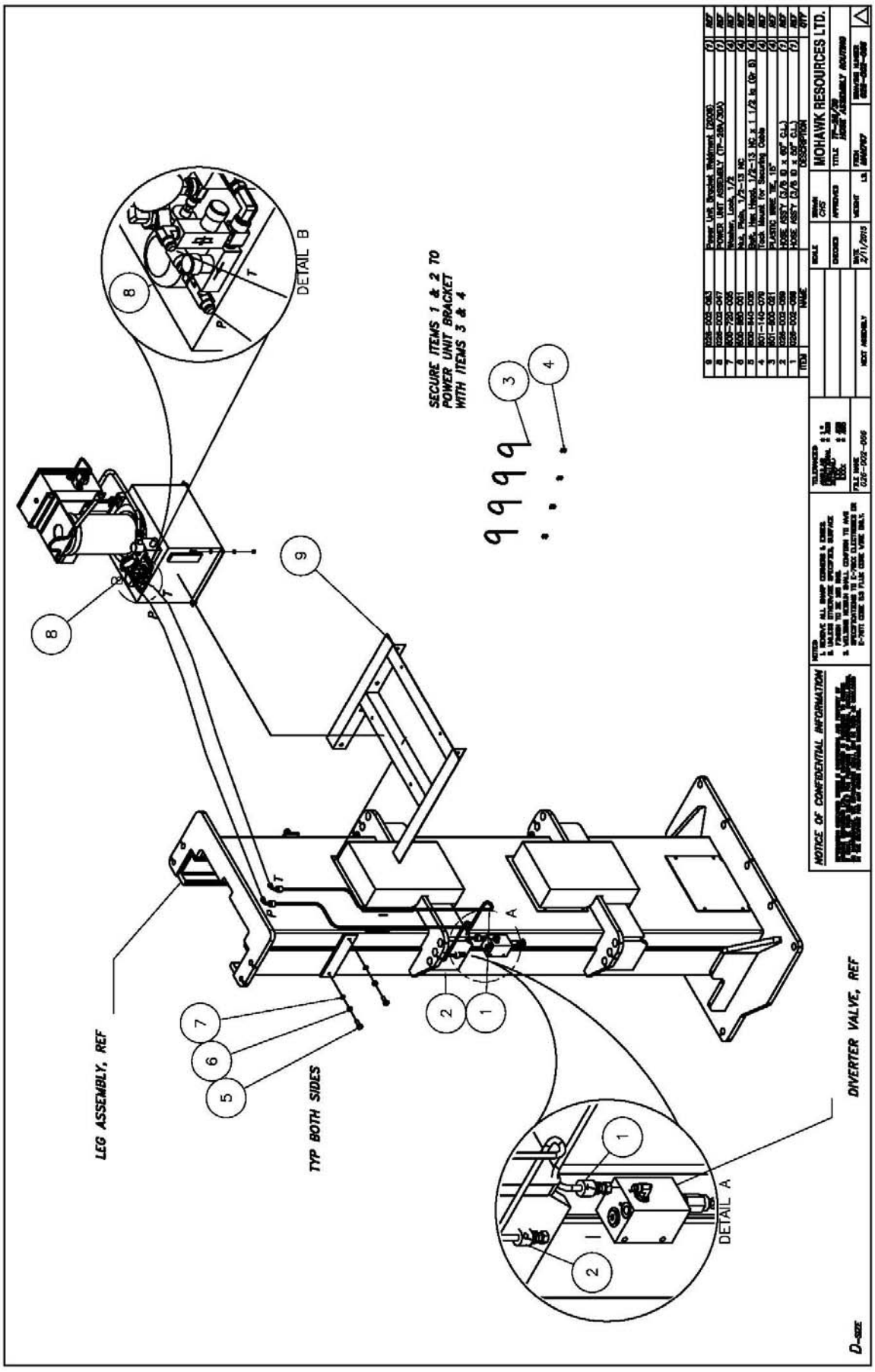
FILE: MAN659
DATE: 11/97

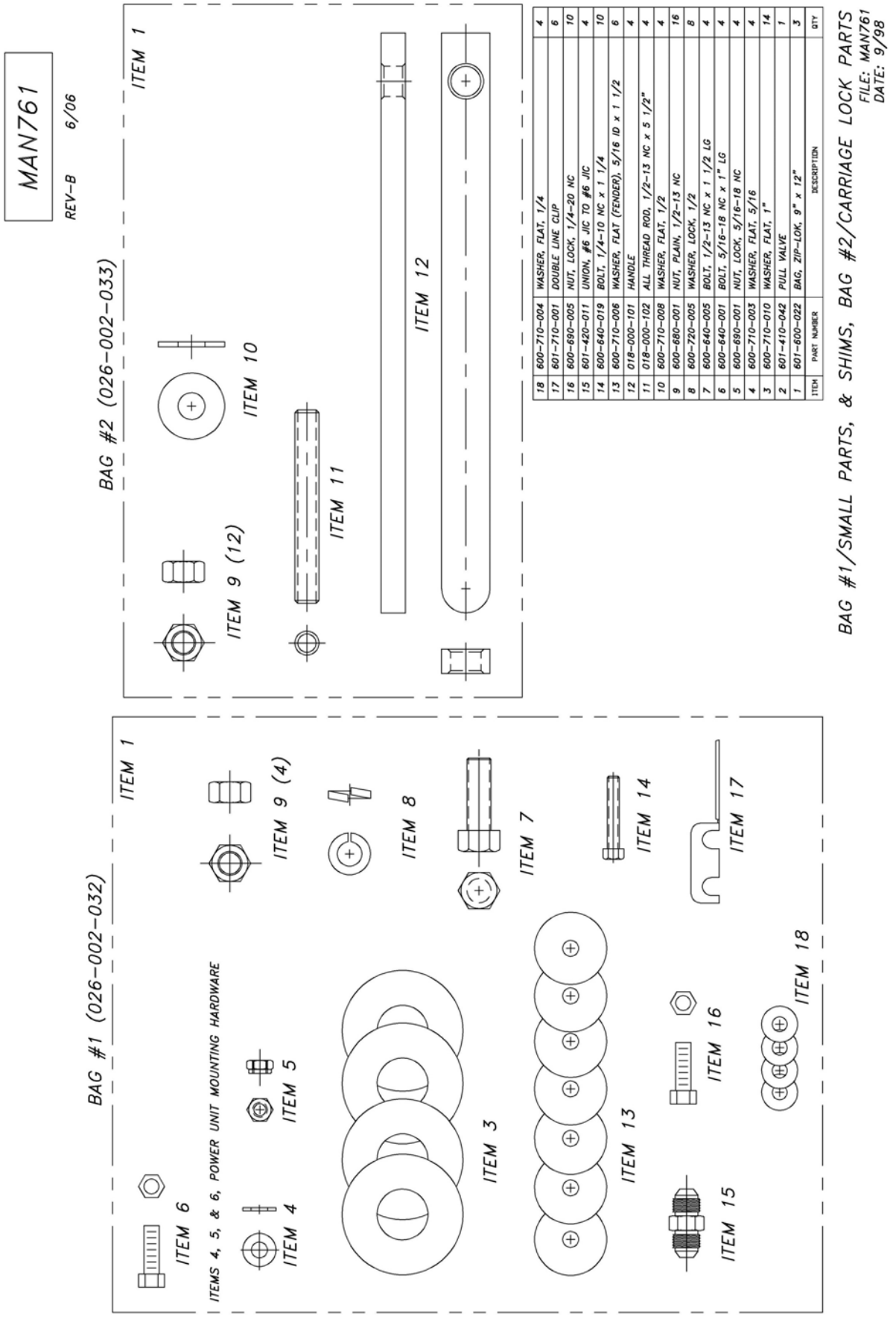




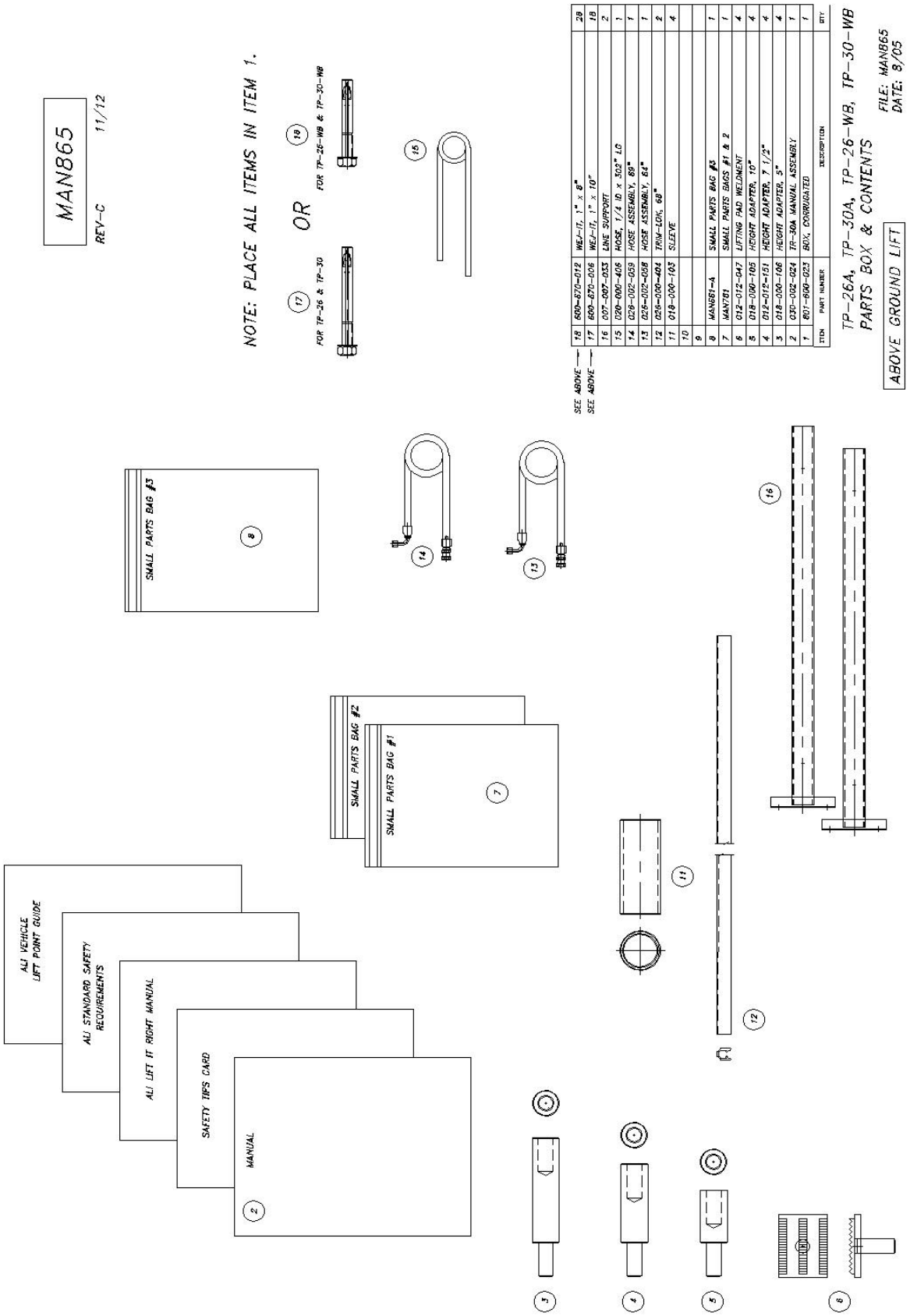
ITEM	PART NUMBER	DESCRIPTION	QTY
1	601-030-005	O-RING	1
2	601-420-017	FITTING, 90 DEGREE	1
3	601-410-034	VELOCITY FUSE -6	1
4	601-030-008	O-RING	REF
5	026-002-122	BOTTOM GLAND	1
6	026-000-107	SET SCREW	1
7	026-000-417	SPRING	1
8	026-000-106	CHECK VALVE	1
9	601-050-002	POLY-PAK SEAL	1
10	026-000-105	PISTON	1
11	601-030-005	O-RING	1
12	601-420-017	FITTING, 90° ELBOW	1
13	601-000-002	ROD T-SEAL	1
14	601-060-006	BACK-UP RING	2
15	601-020-002	ROD WIPER	1
16	026-000-102	ROD GLAND	1
17	026-000-184	SPIN KEY	2
18	026-000-108	BARREL	1
19	600-650-002	BOLT	1
20	601-030-010	O-RING	1
21	026-000-104	ROD	1


MAN766
REV-A 6/06
BACK VIEW:
RIGHT SIDE VIEW:
FRONT VIEW:
(SECTION A-A)
LEFT SIDE VIEW:
TOP VIEW:
PORT
DESTINATION
A TO BOTTOM OF MAINSIDE CYLINDER
B TO BOTTOM OF OFFSIDE CYLINDER &
TOP OF MAINSIDE CYLINDER
C TO TOP OF OFFSIDE CYLINDER
P TO PUMP PRESSURE PORT
T TO TANK (RESERVOIR)
ITEM PART NUMBER DESCRIPTION QTY
8 601-420-046 TEE, BRANCH, #6 ORB TO #6 JIC TO #6 JIC 1
7 601-030-017 O-RING 5
6 601-420-017 FITTING, ELBOW, 90°, #6 ORB TO #6 JIC 4
5 212239ASK SEAL REPAIR KIT 1
4 282247AA PILOT PISTON ASSY 1
3 CV10-20-O-N-05 CHECK VALVE 1
2 MP10-42K-O-N MANUAL PULL VALVE 1
1 601-410-030 DIVERTER VALVE 1
DIVERTER VALVE ASSEMBLY
FILE: MAN766
DATE 3/99


DETAIL B
SECURE ITEMS 1 & 2 TO POWER UNIT BRACKET WITH ITEMS 3 & 4
LEG ASSEMBLY, REF
TYP BOTH SIDES
DIVERTER VALVE, REF
DETAIL A
MOHAWK RESOURCES LTD.



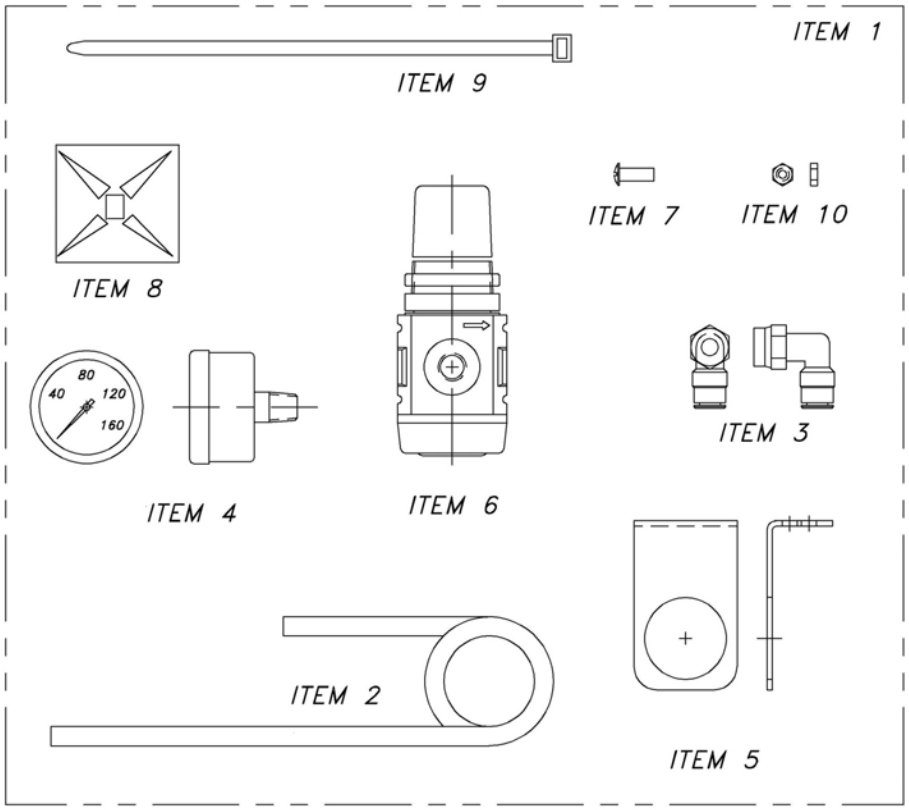
ITEM	PART NUMBER	DESCRIPTION	QTY
18	600-710-004	WASHER, FLAT, 1/4	4
17	601-710-001	DOUBLE LINE CLIP	6
16	600-690-005	NUT, LOCK, 1/4-20 NC	10
15	601-420-011	UNION, #6 JIC TO #6 JIC	4
14	600-640-019	BOLT, 1/4-10 NC x 1 1/4	10
13	600-710-006	WASHER, FLAT (FENDER), 5/16 ID x 1 1/2	6
12	018-000-101	HANDLE	4
11	018-000-102	ALL THREAD ROD, 1/2-13 NC x 5 1/2"	4
10	600-710-008	WASHER, FLAT, 1/2	4
9	600-680-001	NUT, PLAIN, 1/2-13 NC	16
8	600-720-005	WASHER, LOCK, 1/2	8
7	600-640-005	BOLT, 1/2-13 NC x 1 1/2 LG	4
6	600-640-001	BOLT, 5/16-18 NC x 1" LG	4
5	600-690-001	NUT, LOCK, 5/16-18 NC	4
4	600-710-003	WASHER, FLAT, 5/16	4
3	600-710-010	WASHER, FLAT, 1"	14
2	601-410-042	PULL VALVE	1
1	601-600-022	BAG, ZIP-LOK, 9" x 12"	3



ITEM	PART NUMBER	DESCRIPTION	QTY
18	600-670-012	WEJ-11, 1" x 8"	29
17	600-670-006	WEJ-11, 1" x 10"	18
16	007-007-033	LINE SUPPORT	2
15	028-000-406	HOSE, 1/4 ID x 302" LG	1
14	026-002-059	HOSE ASSEMBLY, 89"	1
13	026-002-058	HOSE ASSEMBLY, 61"	1
12	025-000-404	TRIM-LOK, 68"	2
11	018-000-103	SLEEVE	4
10			
9			
8	MANGB1-A	SMALL PARTS BAG #3	1
7	MAN781	SMALL PARTS BAGS #1 & 2	1
6	012-012-047	LIFTING PAD WELDMENT	4
5	018-090-105	HEIGHT ADAPTER, 10"	4
4	012-012-151	HEIGHT ADAPTER, 7 1/2"	4
3	018-000-106	HEIGHT ADAPTER, 5"	4
2	030-002-024	TP-30A MANUAL ASSEMBLY	1
1	801-600-023	BOX, CORRUGATED	1

MAN661-B

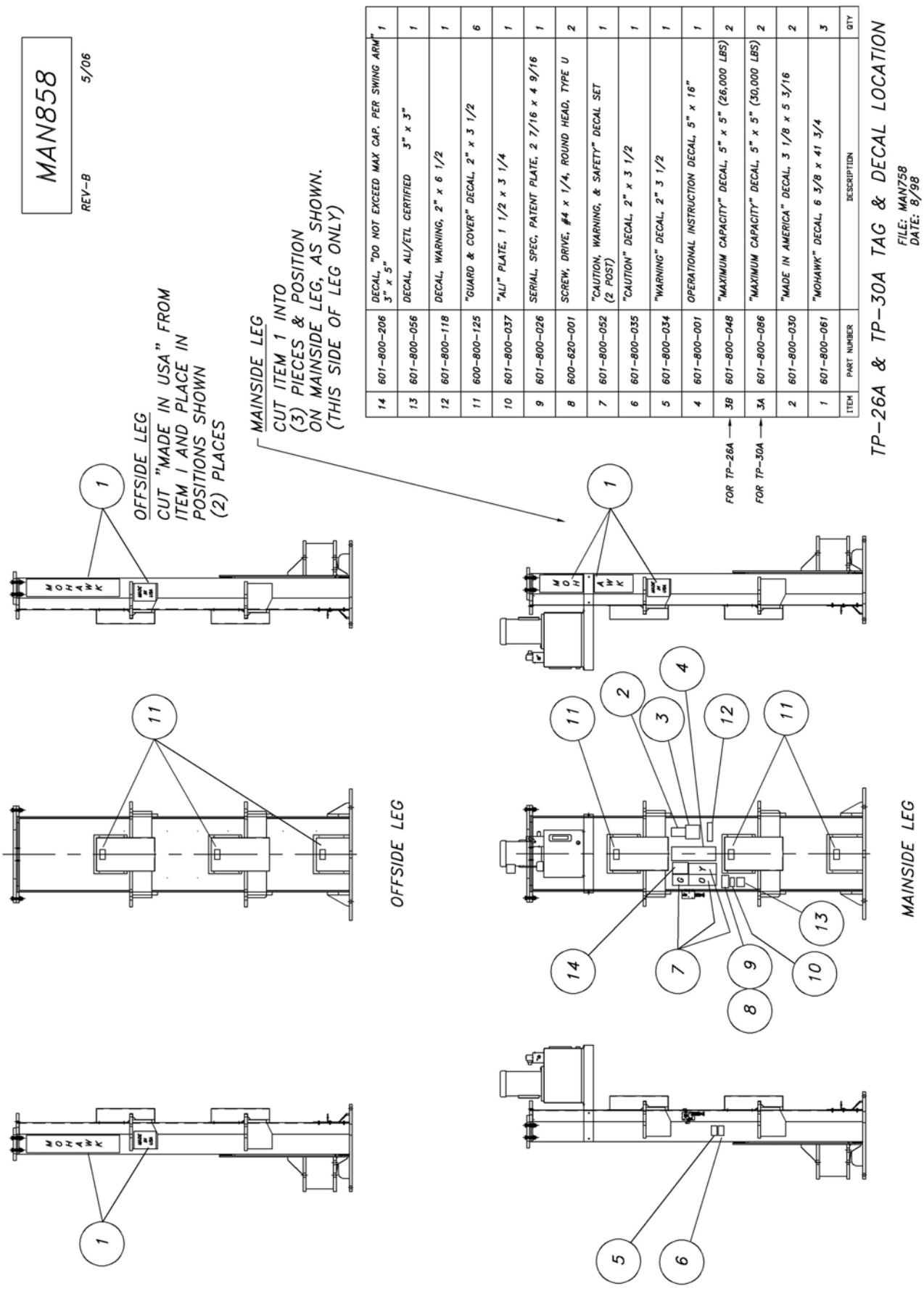
BAG #3 (026-002-034)



ITEM	PART NUMBER	DESCRIPTION	QTY
10	600-680-013	NUT, PLAIN, #10-32	2
9	601-600-045	CABLE TIE HOLDER	14
8	601-600-036	PLASTIC PULL TIE, 8"	39
7	600-600-006	SCREW, #10-32 x 1/2	2
6	601-510-026	AIR LINE REGULATOR	1
5	601-510-025	L-BRACKET	1
4	601-510-024	GAUGE	1
3	601-520-003	ELBOW, 90°, SWIVEL, 1/4 NPT TO 1/4 TUBE	2
2	026-002-412	TUBING, BLACK, 1/4" x 120"	1
1	601-600-022	BAG, ZIP-LOK, 9" x 12"	1

BAG #4/FILTER, REGULATOR & SMALL PARTS

FILE: MAN661-B
DATE: 6/06



ITEM	PART NUMBER	DESCRIPTION	QTY
14	601-800-206	DECAL, "DO NOT EXCEED MAX CAP. PER SWING ARM" 3" x 5"	1
13	601-800-056	DECAL, ALI/ETL CERTIFIED 3" x 3"	1
12	601-800-118	DECAL, WARNING, 2" x 6 1/2	1
11	600-800-125	"GUARD & COVER" DECAL, 2" x 3 1/2	6
10	601-800-037	"ALI" PLATE, 1 1/2 x 3 1/4	1
9	601-800-026	SERIAL, SPEC, PATENT PLATE, 2 7/16 x 4 9/16	1
8	600-620-001	SCREW, DRIVE, #4 x 1/4, ROUND HEAD, TYPE U	2
7	601-800-052	"CAUTION, WARNING, & SAFETY" DECAL SET (2 POST)	1
6	601-800-035	"CAUTION" DECAL, 2" x 3 1/2	1
5	601-800-034	"WARNING" DECAL, 2" 3 1/2	1
4	601-800-001	OPERATIONAL INSTRUCTION DECAL, 5" x 16"	1
3B	601-800-048	"MAXIMUM CAPACITY" DECAL, 5" x 5" (26,000 LBS) FOR TP-26A →	2
3A	601-800-086	"MAXIMUM CAPACITY" DECAL, 5" x 5" (30,000 LBS) FOR TP-30A →	2
2	601-800-030	"MADE IN AMERICA" DECAL, 3 1/8 x 5 3/16	2
1	601-800-061	"MOHAWK" DECAL, 6 3/8 x 41 3/4	3

TP-26A & TP-30A TAG & DECAL LOCATION
FILE: MAN758
DATE: 8/98

MOHAWK

PRE-EXISTING SLAB REQUIREMENTS & NEW SLAB RECOMMEDATIONS

MOHAWK LIFTS, LLC.
65 VROOMAN AVE.
AMSTERDAM, NY 12010
TOLL FREE : 1-800-833-2006
LOCAL : 1-518-842-1431
FAX : 1-518-842-1289
INTERNET: www.MOHAWKLIFTS.com
E-MAIN: Service@MOHAWKLIFTS.com

New Slab Recommendations:

The information contained in this appendage supercedes any other information given in the accompanied manual. This information is presented for design recommendations for a new concrete slab in the event that the pre-existing floor does not meet minimum requirements of the applicable lift type. Please read all instructions below carefully before producing new slab.

Basic Concrete Requirements:

Minimum Tensile Strength of Concrete:	4,000 P.S.I.
Minimum Aging of New Concrete Slab:	28 days (cure time)
Minimum Thickness of Concrete Slab:	See New Slab Table & Figure Attached
Minimum Width and Length of Slab:	See New Slab Table & Figure Attached

All properties of the new concrete slab are mandatory and must conform to the above stated properties before installation of the lift is deemed acceptable. The new slab must be totally surrounded by an existing concrete floor. Certified strength documentation should be obtained from the firm who supplies the concrete mixture at the time of the pour.

The slab above is designed as “stand alone” and does not take into account the contribution of strength from surrounding concrete. It may be desirable to reinforce the new slab to the pre-existing surrounding floor. Care should be taken to locate these specific reinforcement bars away from any anchor positions of the specific lift.

This new slab design does not account for second floor installations or installations in a ground floor with a basement beneath. For this case, the lift should not be installed without written authorization from the building architect.

All ¾ inch diameter anchors must be a minimum of 6 inches away from any expansion seams, control joints or other inconsistencies in the concrete. All 1 inch diameter anchors must be a minimum of 7 ½ inches away from any expansion seams, control joints or other inconsistencies in the concrete. Refer to anchor manufacturer specifications for specific information concerning edge distances and bolt to bolt distance requirements.

NEVER, NEVER, hand mix your own concrete.

Rev: 6/7/06
File: New-Slab.doc

New Slab Recommendations

File: New-slab.xls

Rev Date: 5/16/2012

NEW SLABS MUST BE 12" THICK MINIMUM !! (See Notes Below)

Lift Model	W Slab Width, (Inches)	L Slab Length, (Inches)	R Reinforcement Size, (Inch) (See Note 1 & 2)	S1 & S2 Reinforcement Spacing, (Inch) (See Note 3)	D Wej-it Dia, (Inch)	I Wej-it Length, (Inch)
A-7	48" Min	144" Min	8 - #4 - Main Bars 21 - #4 - Temperature Bars	6 in - Long Bars 8 in - Short Bars	3/4 in	5 in
System IA	48" Min	161" Min	8 - #4 - Main Bars 21 - #4 - Temperature Bars	6 in - Long Bars 8 in - Short Bars	3/4 in	5 in
System IA-10	48" Min	161" Min	8 - #4 - Main Bars 21 - #4 - Temperature Bars	6 in - Long Bars 8 in - Short Bars	3/4 in	5 in
LC-12	72" Min	168" Min	12 - #4 - Main Bars 23 - #4 - Temperature Bars	6 in - Long Bars 8 in - Short Bars	3/4 in	6 in
LMF-12	72" Min	168" Min	12 - #4 - Main Bars 23 - #4 - Temperature Bars	6 in - Long Bars 8 in - Short Bars	3/4 in	6 in
TP-15	72" Min	168" Min	12 - #4 - Main Bars 23 - #4 - Temperature Bars	6 in - Long Bars 8 in - Short Bars	3/4 in	6 in
TP-16	72" Min	168" Min	12 - #4 - Main Bars 23 - #4 - Temperature Bars	6 in - Long Bars 8 in - Short Bars	3/4 in	6 in
TP-18 (2012)	72" Min	168" Min	12 - #4 - Main Bars 23 - #4 - Temperature Bars	6 in - Long Bars 8 in - Short Bars	3/4 in	6 in
TP-20	72" Min	186" Min	18 - #4 - Main Bars 24 - #4 - Temperature Bars	4 in - Long Bars 8 in - Short Bars	3/4 in	6 in
TP-20-WB	72" Min	186" Min	18 - #4 - Main Bars 24 - #4 - Temperature Bars	4 in - Long Bars 8 in - Short Bars	3/4 in	6 in
TP-26	72" Min	198" Min	18 - #4 - Main Bars 24 - #4 - Temperature Bars	4 in - Long Bars 8 in - Short Bars	1 in	10 in
TP-26-WB	72" Min	220" Min	18 - #4 - Main Bars 24 - #4 - Temperature Bars	4 in - Long Bars 8 in - Short Bars	1 in	8 in
TP-30	72" Min	198" Min	18 - #4 - Main Bars 24 - #4 - Temperature Bars	4 in - Long Bars 8 in - Short Bars	1 in	10 in
TP-30-WB	72" Min	220" Min	18 - #4 - Main Bars 24 - #4 - Temperature Bars	4 in - Long Bars 8 in - Short Bars	1 in	8 in
TR-19 *	24" Min	24" Min	4 - #4 Bars 8 Bars Total	6 in - Each Way	3/4 in	5 in
FL-25 *	24" Min	24" Min	4 - #4 Bars 8 Bars Total	6 in - Each Way	3/4 in	5 in
TR-25 *	24" Min	24" Min	4 - #4 Bars 8 Bars Total	6 in - Each Way	3/4 in	5 in
TR-30 *	48" Min	48" Min	4 - #4 Bars 8 Bars Total	6 in - Each Way	3/4 in	5 in
TR-33 *	72" Min	72" Min	12 - #4 Bars 24 Bars Total	6 in - Each Way	3/4 in	5 in
TR-35 *	72" Min	72" Min	12 - #4 Bars 24 Bars Total	6 in - Each Way	3/4 in	5 in
TR-50 *	72" Min	72" Min	12 - #4 Bars 24 Bars Total	6 in - Each Way	3/4 in	5 in
TR-75 *	72" Min	72" Min	12 - #4 Bars 24 Bars Total	6 in - Each Way	3/4 in	5 in

* Four Separate Slabs Formed at each Post.

Note 1: An additional layer of 6 x 6 - 10/10 WWF at mid height of new slab would be advisable in any extremely hot or cold climate to control cracking due to temperature fluctuations and shrinkage.
At anchor bolt locations only keep WWF mesh below the elevation of the anchorage to avoid drilling interference with the wire.

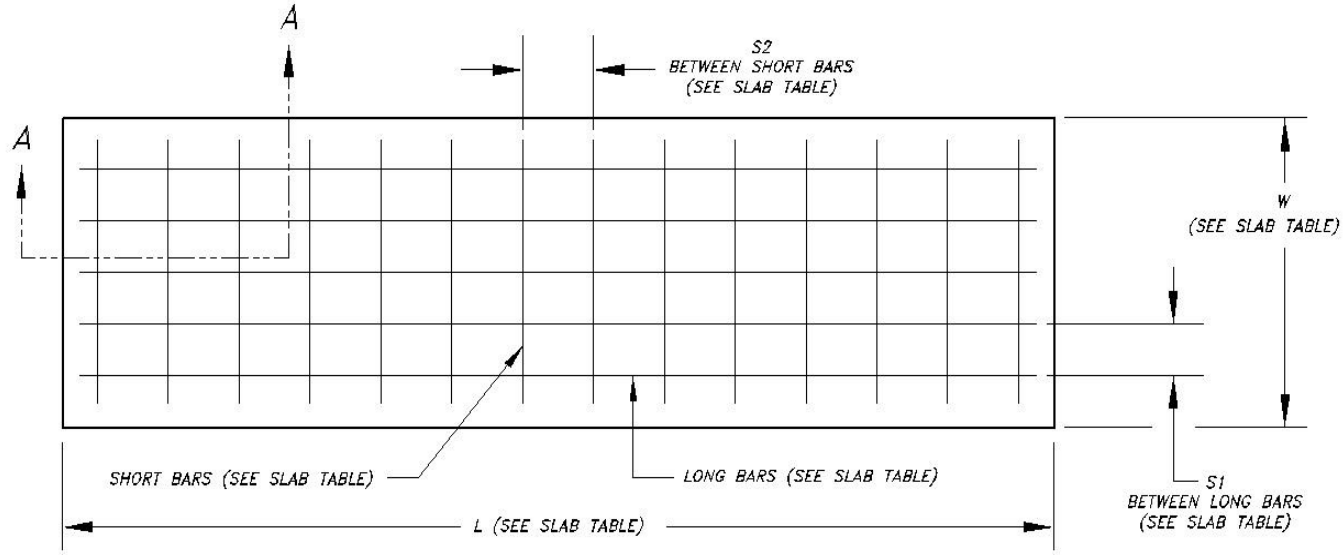
Note 2: The main reinforcing and lower temperature steel shall be Grade 60 deformed bars

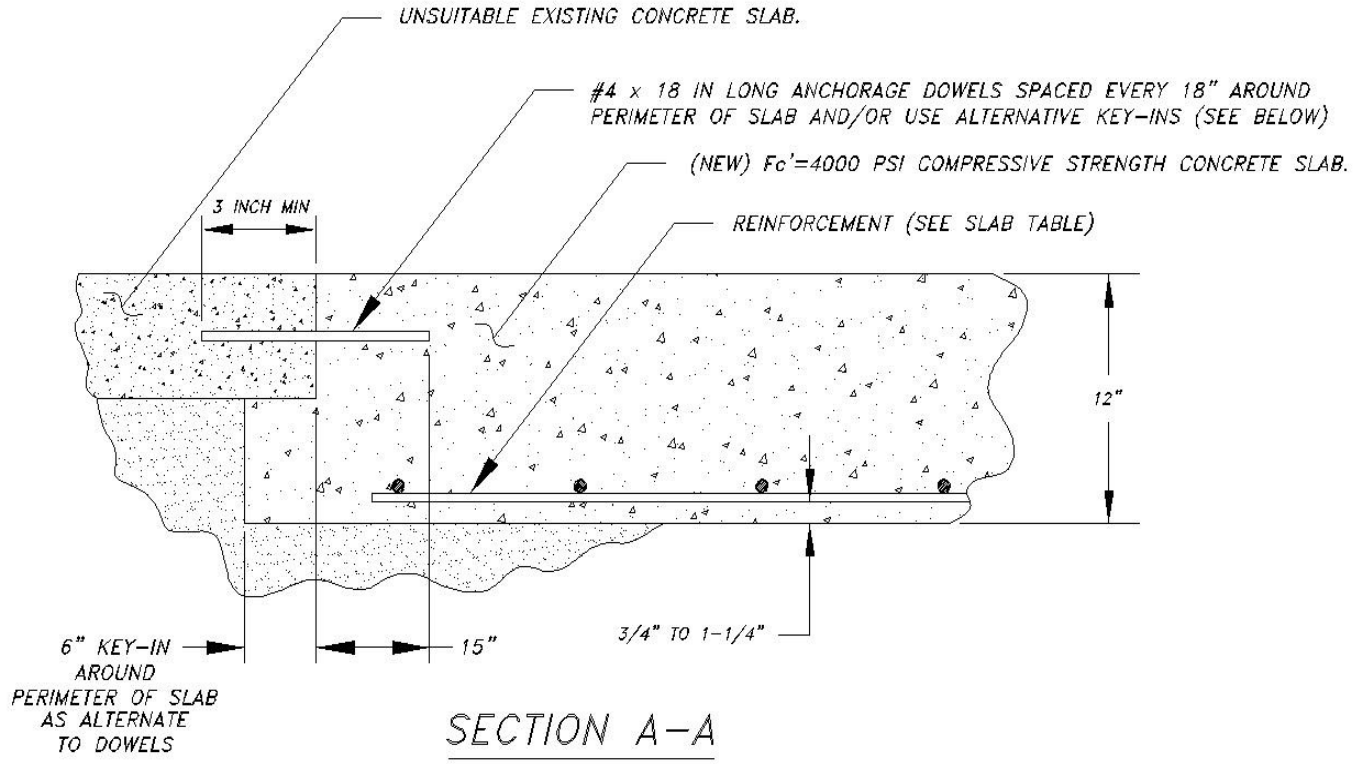
Note 3: The tolerance on spacing of the bars in each direction shall be the value shown, plus or minus 1 inch. In addition, the number of bars specified in the table must be used.

Note 4: The concrete outline dimensions and the reinforcing shown are for a foundation bed allowable bearing capacity of not less than 2,000 lb/sq ft (1 ton per square foot). Many clays, and most all firm clay, hard clay, sand & clay mixes, dry sands, course dry sands, dry sand and silt mixes, sand and gravel mixes, and gravel type soils meet or exceed this allowable bearing capacity. If there is question regarding the foundation bed allowable bearing capacity, a soils testing engineer should be consulted. Situations where the allowable bearing capacity is lower than this value will require special attention.

NEW RECOMMENDED SLAB DESIGN FOR 2-POST LIFTS

FILE: MAN066
DATE: 2/98
REV DATE: 7/2003

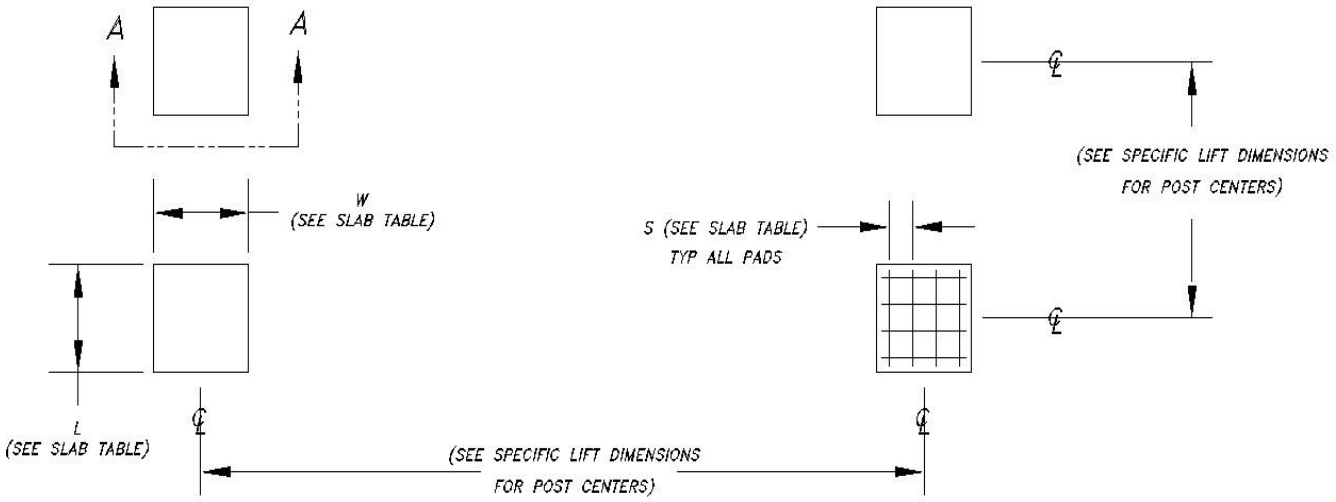


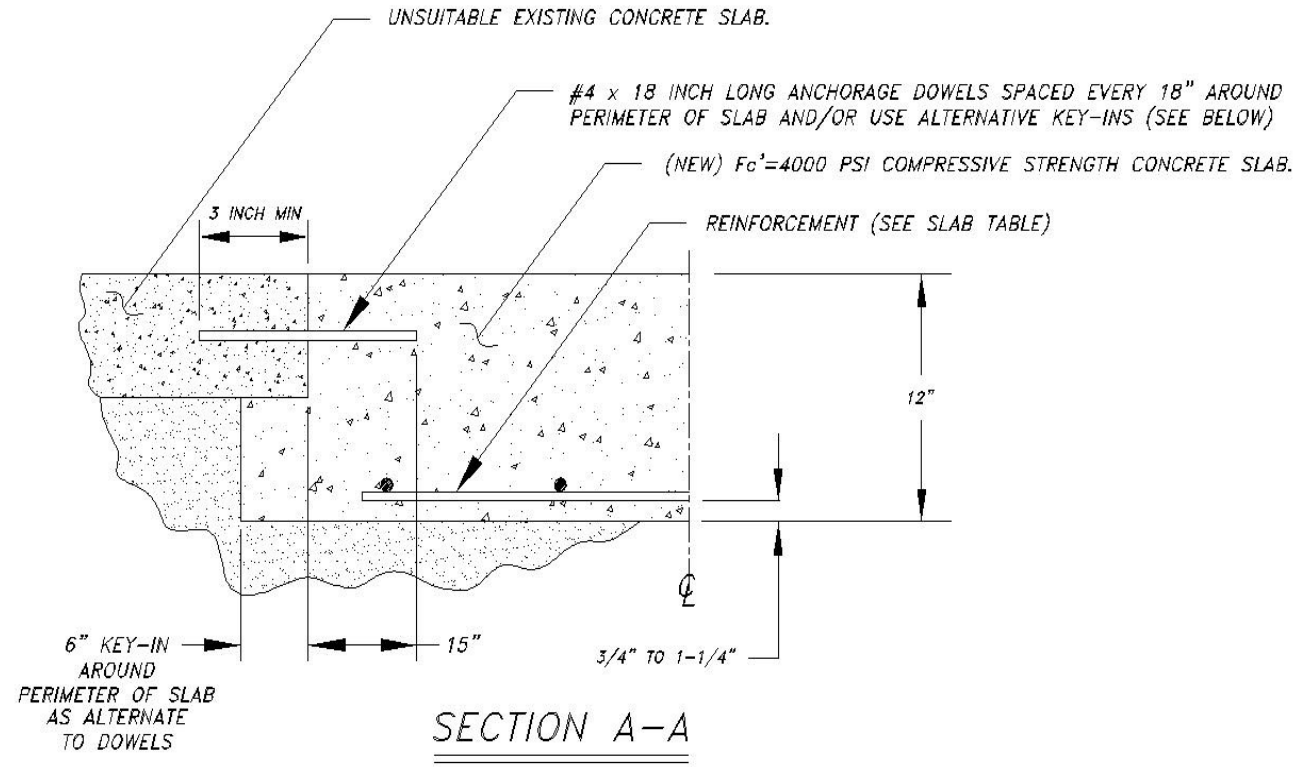


SECTION A-A

NEW RECOMMENDED SLAB DESIGN FOR 4-POST LIFTS

FILE: MAN089
DATE: 10/00
REV DATE: 7/2003

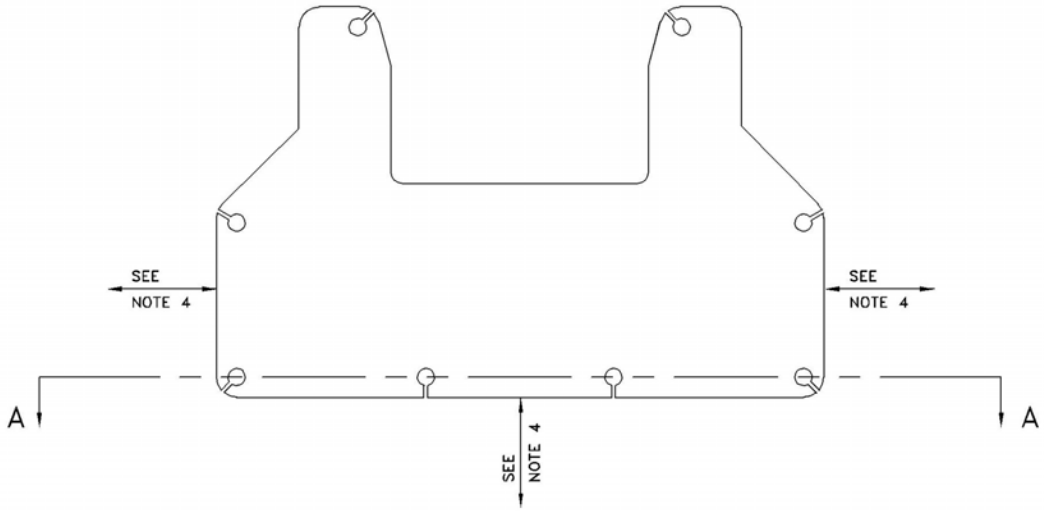


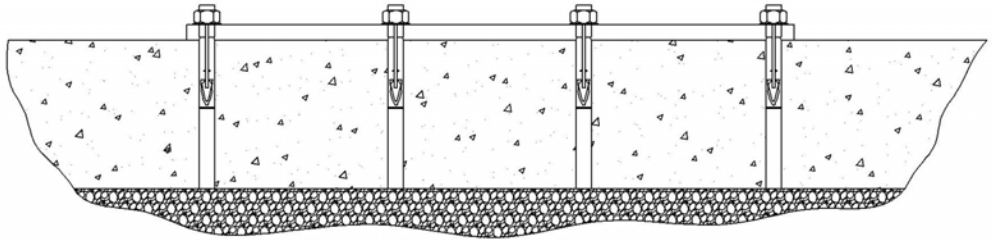


SECTION A-A

REV.	DESCRIPTION	DATE	BY	APP'D.
△				

TYPICAL BASE PLATE DETAIL
(SYSTEM IA SHOWN BELOW – 8 ANCHORS PER BASE PLATE)





SECTION A–A:

BASE PLATE ANCHORING INSTRUCTIONS:

1. LOCATE POSTS IN DESIRED LOCATION OF BAY, PER LIFT SETUP DIMENSIONS. REFER TO LIFT MANUAL FOR INSIDE DIMENSIONS OF COLUMNS, ETC.
(FOR SYSTEM IA–10, THE INSIDE POST DIMENSION IS 120")

2. MATCH DRILL ALL BASE PLATE HOLES. REFER TO ANCHOR BOLT INSTALLATION SPECIFICATIONS ATTACHED FOR DRILL SIZE. (3/4" DIAMETER ORIGINAL WEJ–IT STYLE EXPANSION ANCHOR BOLTS).

3. INSTALL ANCHORS PER ANCHOR BOLT INSTALLATION SPECIFICATIONS ATTACHED. SHIM UNDER BASE PLATE AS NEEDED TO ENSURE THAT POSTS ARE SQUARE AND PLUMB (MAXIMUM OF 1/4") WITH COLORED SHIMS PROVIDED (HORSESHOE SHAPED).

4. ALL ANCHORS MUST BE A MINIMUM OF 6" AWAY FROM ANY EXPANSION SEAM, CONTROL JOINT, OR OTHER FLOOR INCONSISTENCIES.

5. DRILLING THRU ENTIRE SLAB THICKNESS IS PREFERED WHEN POSSIBLE. THIS ALLOWS ANCHORS TO BE HAMMERED FLUSH TO CONCRETE IF LIFT IS RE–LOCATED.

C–SIZE

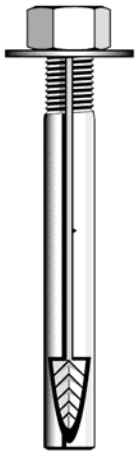
NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E–70XX ELECTRODES OR E–70T1 CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL:
0.XX ± .030
0.XXX ± .005

FILE NAME ZZ912

009–010–006
NEXT ASSEMBLY

SCALE 1/4	DRAWN rwv7089	MOHAWK RESOURCES LTD.	
CHECKED R.V.	APPROVED	TITLE Base Plate Anchoring Detail	
DATE 2/05	WEIGHT N/A LB.	FROM N/A	DRAWING NUMBER ZZ912 △



The Original wej-it® Wedge Anchors

Key Features/Benefits

- **Time-Tested, Pr ven Reliability.** An industry standard for over 45 years.
- **Fully Assembled and Ready to Use.** Unparalleled job-site convenience.
- **BOLT SIZE IS HOLE SIZE.®** Allows precision placement of equipment through pre-drilled holes.
- **Exclusive "Positive Wedge Connections."** Minimizes wedge loosening due to vibratory loads.

USA ENGINEERED & MANUFACTURED

Specifications, Approvals and Listings

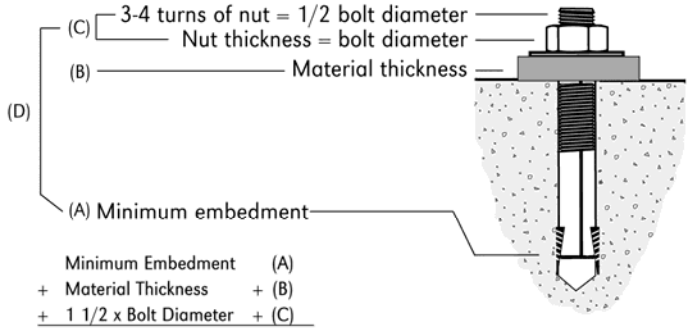
Type	
Zinc Plating	ASTM B-633, Type III, SCI
ICBO-ES	Report #1821
City of Los Angeles	#RR 24939
DOT	Please call Customer Service for specific information by state.
Federal Specifications	QQZ-325C, Type II, Class 3 (Clear Chromate added) FFS-325, Group II, Type 4, Class 1

Maximum Tensile and Shear Capacity for Static Loads

	Limestone Aggregate			Unreinforced Stone Aggregate oncrete Zin Plated arbon Steel							Unreinforced Lightweight (Idealite)		
Anchor & Hole Size	Embed-ment (in)	2000 psi Tension (lbs)	Shear (lbs)	Embed-ment (in)	3000 psi Tension (lbs)	Shear (lbs)	5000 psi Tension (lbs)	Shear (lbs)	7000 psi Tension (lbs)	Shear (lbs)	Embed-ment (in)	5000 psi Tension (lbs)	Shear (lbs)
3/4	•	•	•	3	11579	15537	19299	21000	27019	23103	3 1/2	17293	19050
3/4	•	•	•	7	15444	15537	25740	21000	36036	23103	•	•	•
1	•	•	•	5 1/2	16351	•	27252	33083	38153	35700	4 1/2	21616	31666
1	•	•	•	7	17837	•	29728	33083	41619	35700	•	•	•
Source	1			2							2		

Sources (available upon request): 1) University of Texas, Austin, TX (using new ICBO-ES testing criteria); 1993. 2) AA Engineers & Associates, Inc., Denver, O; 1981.

Length Selection Guide



	Minimum Embedment	(A)
+	Material Thickness	+ (B)
+	1 1/2 x Bolt Diameter	+ (C)
=	Total Anchor Length	= (D)

Edge Distance and Spacing Requirements

Embedment (E) in Anchor Diameters (d)	Spacing	Edge Distance
E < 6d (shallow)	3.50E	1.75E
6d ≤ E ≤ 8d (standard)	2.00E	1.00E
8d < E (deep)	1.50E	0.75E

Notes:

- Information provided only for the use of a qualified design engineer. Use of technical data by persons not qualified could cause serious damage, injury, or even death.
- Ultimate values shown. For static loads, use one-fourth of the maximum tensile and shear capacities for the recommended 4:1 safety factor.

INSTALLATION INSTRUCTIONS – MOHAWK LIFTS

1. Drill the hole perpendicular to the work surface.* The drill bit diameter will be the same as the anchor diameter that you are installing. To assure full holding power, do not ream the hole or allow the drill to wobble. Ensure all holes are a minimum of 6 inches away from any cracks, seams or defects in the concrete.

2. Drill the hole 1 diameter deeper than the intended embedment of the anchor, but not closer than two diameters to the bottom (opposite) surface of the concrete.

3. Clean the hole using compressed air and a nylon brush. A clean hole is necessary for proper performance.

4. For ease of installation, make certain that the spear heads are located up against the wedge pockets.

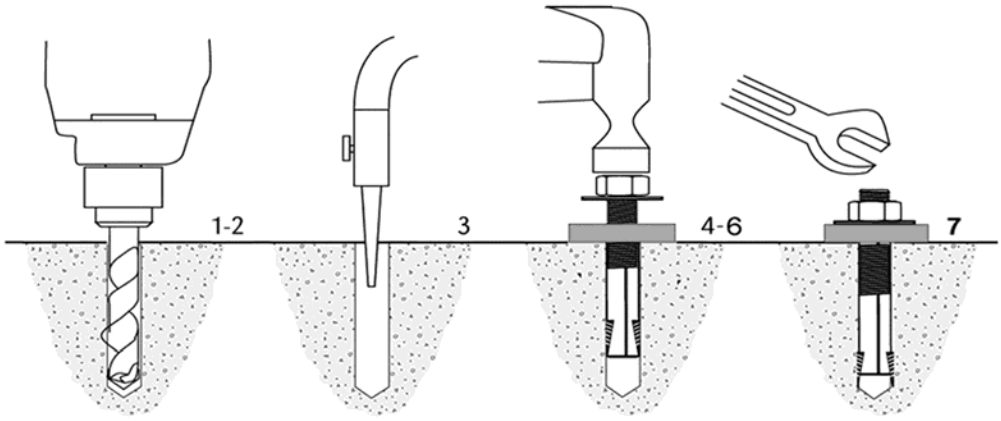
5. Turn the nut onto the anchor until contact is made with the top of the spears and the bottom of the washer. Insert anchor into hole.

6. Tap anchor into hole with a 2 ½ lb. hammer until the washer rests solidly against the base plate.

7. Tighten the nut from 1 ½ to 3 turns past hand tight position to estimated installation torque below. Use of an Impact wrench for Installation of the anchor is NOT recommended.

TORQUE VALUES

Anchor Diameter (in)	Drill Bit Diameter (in)	Estimated Install Torque (ft-lb)
3/4	3/4	75
1	1	130



INSPECTION & MAINTENANCE INSTRUCTIONS

1. Verify torque on anchors to 70 ft-lbs for 3/4 anchors and 120 ft-lbs for 1" anchors for future/annual inspections.

* Always wear safety glasses. Follow the drill manufacturer's safety instructions. Use only solid carbide-tipped drill bits meeting ANSI B212.15 diameter standards as listed on back cover.

REV: 11/07


⚠ WARNING
Clear area if vehicle is in danger of falling. ©
⚠ WARNING
Position vehicle with center of gravity midway between adapters. ©
⚠ WARNING
Remain clear of lift when raising or lowering vehicle. ©
⚠ WARNING
Avoid excessive rocking of vehicle while on lift. ©
⚠ WARNING
Do not override self-closing lift controls. ©
⚠ WARNING
Keep feet clear of lift while lowering. ©
The messages and pictographs shown are generic in nature and are meant to generally represent hazards common to all automotive lifts regardless of specific style.
Funding for the development and validation of these labels was provided by the Automotive Lift Institute, PO Box 33116 Indialantic, FL. 32903.
They are protected by copyright. Set of labels may be obtained from ALI or its member companies.
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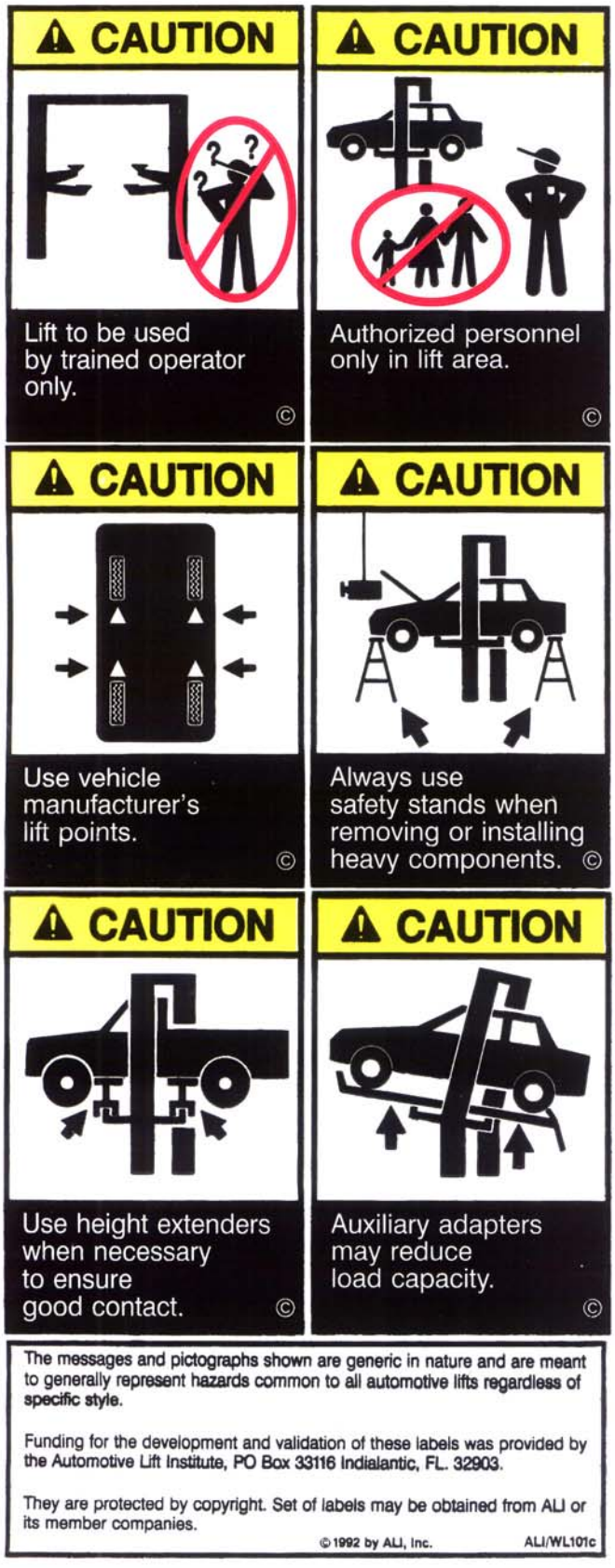
⚠ CAUTION
Lift to be used by trained operator only. ©
⚠ CAUTION
Authorized personnel only in lift area. ©
⚠ CAUTION
Use vehicle manufacturer's lift points. ©
⚠ CAUTION
Always use safety stands when removing or installing heavy components. ©
⚠ CAUTION
Use height extenders when necessary to ensure good contact. ©
⚠ CAUTION
Auxiliary adapters may reduce load capacity. ©
The messages and pictographs shown are generic in nature and are meant to generally represent hazards common to all automotive lifts regardless of specific style.
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SAFETY INSTRUCTIONS
Read operating and safety manuals before using lift.
©
SAFETY INSTRUCTIONS
Proper maintenance and inspection is necessary for safe operation.
©
SAFETY INSTRUCTIONS
Do not operate a damaged lift.
©
The messages and pictographs shown are generic in nature and are meant to generally represent hazards common to all automotive lifts regardless of specific style
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MOHAWK LIFT PRODUCTS

The Lifts You Can't Wear Out

TWO POST

Model System IA-10

Model TP-20

FOUR POST

Model TR-75

MOBILE COLUMN

Model MP-18-007

PARALLELOGRAM

Model 75-32-F

VERTICAL RISE

Model V-77-30S

MOHAWK LIFTS

Mohawk Lifts, LLC.
P.O. Box 110 • 65 Vrooman Ave
Amsterdam, NY 12010
Phone: (800) 833-2006 • (518) 842-1431
www.mohawklifts.com

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MOHAWK IS ALWAYS INTERESTED IS SEEING HOW YOUR LIFTS ARE USED. WE HAVE CREATED AN ON-LINE PHOTO DATABASE FOR CUSTOMERS TO VIEW OUR LIFTS IN USE.

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