

MOHAWK

INSTALLATION & OPERATION MANUAL

MP-18-SERIES ELECTRIC/HYDRAULIC PORTABLE LIFT 2, 4, 6 & 8 POST ARRANGEMENTS

MOHAWK LIFTS, LLC.

65 VROOMAN AVENUE

P. O. BOX 110

AMSTERDAM, NY 12010

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Part No. : 601-800-372

**READ MANUAL THOROUGHLY
BEFORE INSTALLING,
OPERATING OR SERVICING THIS
LIFT !!**

**Deliver these instruction to lift
owner/user/employer along with other
instructional materials furnished with
this lift.**



IMPORTANT SAFETY INSTRUCTIONS

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

- 1. Read all instructions.**
2. Inspect lift daily. Do not operate if it malfunctions or problems have been encountered.
3. Never attempt to overload the lift. The manufacturer's rated capacity is shown on the identification label on the power side column. Do not override the operating controls or the warranty will be void.
4. Only trained and authorized personnel should operate the lift. Do not allow customers or bystanders to operate the lift or be in the lift area.
5. Position the lift support forks to contact the vehicle tires. Raise the lift until the forks contact the tires. Check forks for secure contact with the vehicle tires, then raise the lift to the desired working height.
6. NOTE: Always use all 4 posts to raise and support vehicle.
7. Note that the removal or installation of some vehicle parts may cause a critical load shift in the center of gravity and may cause the vehicle to become unstable. Refer to the vehicle manufacturer's service manual for recommended procedures.
8. Always keep the lift area free of obstructions and debris. Grease and oil spills should always be cleaned up immediately.
9. Never raise vehicle with passengers inside.
10. Before lowering check area for any obstructions.
11. Before driving vehicle between the posts, position the lift forks to allow vehicle to freely enter lifting area. To not hit or run over forks as this could damage the lift and/or the vehicle.
12. Before removing the vehicle from the lift area, position the lift forks to allow vehicle to freely leave lifting area. To not hit or run over forks as this could damage the lift and/or the vehicle.
13. Care must be taken as burns can occur from touching hot parts.
14. Do not operate equipment with a damaged cord or if the equipment has been dropped or damaged – until a qualified serviceman has examined it.
15. Do not let cords hang over tables, benches or counters or come in contact with hot manifolds or moving fan blades.
16. 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.
17. Always unplug the 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.
18. Let equipment cool completely before pulling away. Loop cord loosely around equipment when storing.
19. To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids (gasoline).
20. Adequate ventilation should be provided when working on operating internal combustion engines.
21. Keep hair, loose clothing, fingers, and all parts of body way from moving parts.
22. To reduce the risk of electrical shock, do not use on wet surfaces or expose to rain.
23. Use only as described in this manual. Use only manufacturer's recommended attachments.
- 24. ALWAYS WEAR SAFETY GLASSES.** Everyday eyeglasses have only impact resistant lenses, and they are NOT safety glasses.

SAVE THESE INSTRUCTIONS

<i>Mohawk Model Name</i>	<i>Number of Posts:</i>	<i>Total Lift Capacity (lbs):</i>	<i>----- Fork Lengths -----</i>			
			<i>Post 1&2</i>	<i>Post 3&4</i>	<i>Post 5&6</i>	<i>Post 7&8</i>
MP-18-005	2	36,000	15"	N/A	N/A	N/A
MP-18-009	2	32,000	22"	N/A	N/A	N/A
MP-18-006	4	72,000	15"	15"	N/A	N/A
MP-18-018	4	68,000	15"	22"	N/A	N/A
MP-18-010	4	64,000	22"	22"	N/A	N/A
MP-18-007	6	108,000	15"	15"	15"	N/A
MP-18-024	6	104,000	15"	15"	22"	N/A
MP-18-025	6	100,000	15"	22"	22"	N/A
MP-18-011	6	96,000	22"	22"	22"	N/A
MP-18-008	8	144,000	15"	15"	15"	15"
MP-18-026	8	140,000	15"	15"	15"	22"
MP-18-027	8	136,000	15"	15"	22"	22"
MP-18-028	8	132,000	15"	22"	22"	22"
MP-18-012	8	128,000	22"	22"	22"	22"
<p>Notes: All Posts with 15" Forks are Rated 18,000 lbs each. All Posts with 22" Forks are Rated 16,000 lbs each.</p>						

<i>Mohawk Model Name</i>	<i>Number of Posts:</i>	<i>Total Lift Capacity (lbs):</i>	<i>----- Fork Lengths -----</i>			
			<i>Post 1&2</i>	<i>Post 3&4</i>	<i>Post 5&6</i>	<i>Post 7&8</i>
MP-18-013	2	32,000	22" W	N/A	N/A	N/A
MP-18-030	4	68,000	15"	22" W	N/A	N/A
MP-18-014	4	64,000	22" W	22" W	N/A	N/A
MP-18-058	6	104,000	15"	15"	22" W	N/A
MP-18-059	6	100,000	15"	22" W	22" W	N/A
MP-18-015	6	96,000	22" W	22" W	22" W	N/A
MP-18-060	8	140,000	15"	15"	15"	22" W
MP-18-061	8	136,000	15"	15"	22" W	22" W
MP-18-062	8	132,000	15"	22" W	22" W	22" W
MP-18-016	8	128,000	22" W	22" W	22" W	22" W
<p>Notes: W - Designates Wider Fork/Carriage Version. All Posts with 22" Forks are Rated 16,000 lbs each.</p>						



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.

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

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 UNKNOWNLY), 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.).**

Rev 12/1/2015

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PARTS

	DWG NO.
MASTER POST ASSEMBLY (15" FORKS)	MP-0400-A-010
SLAVE POST ASSEMBLY (15" FORKS)	MP-0400-A-011
MASTER POST ASSEMBLY (22" FORKS)	MP-0400-A-012
SLAVE POST ASSEMBLY (22" FORKS)	MP-0400-A-013
JACK ASSEMBLY	MP-0400-A-003
POWER UNIT ASSEMBLY	MP-0400-A-004
FLOOR ROLLER ASSEMBLY	MP-0500-A-001
LOCK ASSEMBLY	MP-0600-A-001
CARRIAGE ASSEMBLY	MP-0700-A-001
CYLINDER ASSEMBLY	MP-0900-A-001
MASTER BOX ASSEMBLY	MP-1300-A-003
MASTER PANEL ASSEMBLY	MP-1300-A-004
SLAVE BOX ASSEMBLY	MP-1300-A-012
SLAVE PANEL ASSEMBLY	MP-1300-A-013
COMMUNICATION CABLE ASSEMBLY	MP-1300-A-005
POWER CABLE ASSEMBLY	MP-1300-A-006
DUMMY PLUG (A-YELLOW) ASSEMBLY	MP-1300-A-010
DUMMY PLUG (B-RED) ASSEMBLY	MP-1300-A-011
STRING POT ASSEMBLY	MP-1300-A-014
PENDANT ASSEMBLY (OPTIONAL)	MP-1300-A-020

ILLUSTRATIONS

JACK OPERATION
JACK RELIEF SETTING
MASTER AND SLAVE ENCLOSURE PARTS DESCRIPTIONS
CABLE IDENTIFICATIONS
WARNINGS PICTOGRAM
CAUTIONS PICTOGRAM
SAFETY INSTRUCTIONS PICTOGRAM

SCHEMATICS

	DWG NO.
HYDRAULIC SCHEMATIC	MP-1400-A-002
ELECTRICAL SCHEMATIC (3 PHASE STANDARD)	MP-0400-A-001 (Pg 1 of 2)
POWER SWITCHING CIRCUIT DIAGRAM	MP-0400-A-001 (Pg 2 of 2)
MASTER BOX WIRING (3 PHASE)	MP-0400-A-003 (Pg 1 of 2)
SLAVE BOX WIRING (3 PHASE)	MP-0400-A-003 (Pg 2 of 2)
ENCLOSURE DOOR WIRING	MP-0400-A-004
ELECTRICAL SCHEMATIC (1 PHASE OPTIONAL)	MP-0400-A-006
MASTER BOX WIRING (1 PHASE OPTIONAL)	MP-0400-A-008 (Pg 1 of 2)
SLAVE BOX WIRING (1 PHASE OPTIONAL)	MP-0400-A-008 (Pg 2 of 2)

OPTIONS

ALL INFORMATION, ILLUSTRATIONS, AND SPECIFICATIONS IN THIS MANUAL ARE BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF PRINTING. WE RESERVE THE RIGHT TO MAKE CHANGES AT ANY TIME WITHOUT NOTICE.

GENERAL NOTES & WARNINGS

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, SERVICE DEPT, 65 VROOMAN AVENUE, 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. ENSURE 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. ANY MAJOR SLOPE CHANGES WILL AFFECT THE UNIT'S 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. 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 USED ON A LEVEL **CONCRETE FLOOR WITH A MINIMUM THICKNESS OF 4-1/2" ON GRADE**. THE CONCRETE MUST BE AGED AT LEAST (28) **TWENTY EIGHT** DAYS PRIOR TO INSTALLATION AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF **3000 PSI**. DO NOT USE THIS UNIT ON ANY ASPHALT SURFACE.

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

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.

THIS LIFT IS DESIGNED AND INTENDED **FOR USAGE AND STORAGE INDOORS ONLY**. MOHAWK DENIES ALL LIABILITY AND VOIDS WARRANTY IN SITUATIONS WHERE THIS LIFT IS USED OR STORED WHERE IT IS SUBJECTED TO THE OUTDOOR ELEMENTS AND TEMPERATURES.

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. ALSO, REFER TO THE ANSI STANDARD "VEHICLE LIFT POINTS FOR SERVICE GARAGE LIFTING," ANSI/SAE J2184-OCT92, SAFETY MANUAL "LIFTING IF RIGHT," ALI/SM01, AND "VEHICLE LIFTING POINTS GUIDE" ALI/LP-GUIDE FOR PROPER POSITIONING OF VEHICLES ON LIFT.

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.

APPENDAGE:

Rev (6/12/2017)

LIFT ENVIRONMENT LIMITATIONS:

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 floor requirements 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.

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.

OTHER LIFT LIMITATIONS:

All Mohawk MP-Series lifts must comply to the following criteria in order to lift a vehicle safely:

1. **Proper capacity.** All MP-Series lifts are designed to lift standard vehicles within their rated capacity within the capacity of the lift rating. Any vehicles exceeding the capacity must not be raised. Ensure that individual columns are used within their capacity and are not overloaded (ie. heavy ended vehicles may overload the rear pair of columns).
2. **Proper engagement of tires/frame:** Ensure tires are fully engaging all tires or proper frame components of vehicle. Ensure frame components used are capable of supporting vehicle.
3. **Proper vehicle size:** To maintain proper synchronization, vehicles must be at least 36 inches wide (outside to outside tire dimension) and at least 36 inches wheel base (axle to axle dimension).
4. **Proper flooring.** Use lifts on floors complying to required specs stated within this manual.

This lift is not intended to be driven on or off of, as this may damage the lift and the vehicle.

This lift is not intended for the lifting of people.

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.

File: MP-Appen.doc

Rev: 6-12-2017

POWER SUPPLY REQUIREMENTS

IMPORTANT:

It is user's responsibility to provide all wiring for electrical hook-up prior to installation and to insure that the electrical installation conforms to local building codes. Where required, it is the user responsibility to provide an electrical isolation switch (per lockout/tag-out requirements stated in ANSI Z244.1) located in close proximity to the lift that will enable emergency stop capability and isolate electrical power from the lift for any servicing requirements.

The power supply connection must comply with the following.

Disconnectable Cable Power Feed to Lift:

If using a plug with the flexible cable connection provided, a plug must be provided that is rated as shown in the table below for the particular model, voltage and phase of the equipment supplied. This plug must be of the NEMA locking type with a ground connection and must have UL, CSA or other equivalent listing. Consult the plug manufacturer's installation instructions for connecting the plug to the cable. Refer to the electrical schematics in this manual for the proper connection of the power supply to the lift. Refer below to wire color designations and proper selection of feed cable. Consult and adhere to all local and national codes applying to the installation and use of this product.

Wire Color Designations:

3 Phase (Standard):

Red: L1 (X)
Black: L2 (Y)
White: L3 (W)
Green: Ground (G)

1 Phase (Optional):

Red: L1 (X)
Black: L2 (Y)
White: Not Used (W)
Green: Ground (G)

Required Cable Specification:

All power feed cable to this lift must be of Type SO, SOOW, or SOW, rated 600 V, 90 Degree C. The maximum length of the main power feed cable and inter-connection means (plugs) must not exceed 30 feet from the main post to the power feed box. The plug must be provided that is rated as shown in the table below for the particular model, voltage and phase of the equipment supplied.

MOHAWK RESOURCES, LTD. MP-18 SERIES ELECTRICAL RATINGS:
MP-18-SERIES - 2 POSTS 5 HP - 60 HZ <input type="checkbox"/> 208-230 VAC, 1 PHASE, 20 AMP * <input type="checkbox"/> 208-230 VAC, 3 PHASE, 20 AMP <input type="checkbox"/> 460-480 VAC, 3 PHASE, 10 AMP <input type="checkbox"/> 575-600 VAC, 3 PHASE, 8 AMP
MP-18-SERIES - 4 POSTS 10 HP - 60 HZ <input type="checkbox"/> 208-230 VAC, 1 PHASE, 40 AMP * <input type="checkbox"/> 208-230 VAC, 3 PHASE, 40 AMP <input type="checkbox"/> 460-480 VAC, 3 PHASE, 20 AMP <input type="checkbox"/> 575-600 VAC, 3 PHASE, 16 AMP
MP-18-SERIES - 6 POSTS 15 HP - 60 HZ <input type="checkbox"/> 208-230 VAC, 1 PHASE, 60 AMP * <input type="checkbox"/> 208-230 VAC, 3 PHASE, 60 AMP <input type="checkbox"/> 460-480 VAC, 3 PHASE, 30 AMP <input type="checkbox"/> 575-600 VAC, 3 PHASE, 24 AMP
MP-18-SERIES - 8 POSTS 20 HP - 60 HZ <input type="checkbox"/> 208-230 VAC, 1 PHASE (NOT AVAILABLE) <input type="checkbox"/> 208-230 VAC, 3 PHASE (NOT AVAILABLE) <input type="checkbox"/> 460-480 VAC, 3 PHASE, 40 AMP <input type="checkbox"/> 575-600 VAC, 3 PHASE, 32 AMP
<small>* PUMP SIZE AND LIFT SPEED OF 1 PHASE MODELS HALF OF 3 PHASE MODELS TO MAINTAIN LOW AMPS.</small>
<small>PN #601-800-210</small>

OPTIONAL EQUIPMENT

Note: Refer to Option Equipment Section in the back of this manual for specific user instructions for option available for this lift.

The standard mobile lift is suitable to lift wheeled vehicles by the tires. It normally comes in pairs of columns totaling 2, 4, 6 or 8 column systems. Ordering additional **dummy plugs** and **power cables** may enable one lift to be used in a variety of combinations simultaneously.

A **hand control pendant** is available and can be connected to any master column.

The standard power supply requirements for the MP-18 series mobile lifts is 208-230 VAC, 3 phase. Optional power supply configurations of **208-230 VAC, Single Phase** or **480 VAC, 3 Phase** or **575 VAC, 3 Phase** are available upon request. Note: Refer to Power Supply Requirements section in this manual for availability with respect to post configurations.

If it is desired to raise the vehicle by the frame, this can be done by using optional **chassis lifting beams** or optional **frame contact adapters**. The chassis lift beam fits into the cradle where the tire would normally fit and spans between a pair of columns. Frame contact adapters convert a pair of mobile lift columns into a 2-column frame engaging lift. Refer to the ANSI standard “Vehicle Lift Points for Service Garage Lifting,” ANSI/SAE J2184-Oct92, safety manual “Lifting if Right,” ALI/SM01, and “Vehicle Lifting Points Guide” ALI/LP-Guide for proper positioning of vehicles on lift.

If it is desired to raise fork trucks, a **fork truck adapter kit** is available, which converts a pair of mobile lift columns into a 2-column pad engaging lift.

For lifting applications involving side wing plows or RV’s with side extensions, where the forks of the mobile lifts can not reach to the tires, **wing plow adapters** are available. These adapters span between a pair of columns to achieve engagement of the tires in the same manner of the column forks.

For lifting of vehicles with dual tires, floatation tires, or “super singles”, **longer forks** are available. Note that the longer fork lifts have reduced capacity.

Jack Stands are also available that support the vehicle in the raised position for maintenance or to permit using the lift for other vehicles.

NOTE:

The use of any adapters on this lift may reduce the capacity of this lift. Refer to the capacities of the adapters used.

WARNING!

Use only options manufactured by MOHAWK LIFTS, LLC with this lift. Options manufactured by others and used on this lift may result in bodily harm, damage to lift and other equipment, and will void lift warranty, MOHAWK LIFTS, LLC liability, and the ALI certification of the lift.

15" FORKS

STRING POTENTIALS

COMMUNICATION
PORT- POWER PORT
(MASTER ONLY)

WHEELED JACK

ADJUSTABLE FORK

6" DIA
SPRING LOADED
FRONT WHEELS

6 5/8 DIA

C-SIZE

NOTICE OF CONFIDENTIAL INFORMATION

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 53 FLUX CORE WIRE ONLY.

TOLERANCES:
ANG III AR

FRACTIONAL
DECIMAL:
0.XX
0.XXX

FILE NAME	MP-0100-1-002
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SCALE
0.1

CHECK	
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DATE 8/3/01

DRAWN
rww7c

APPROV

WEIGHT
1410

MOHAWK RESOURCES LTD.

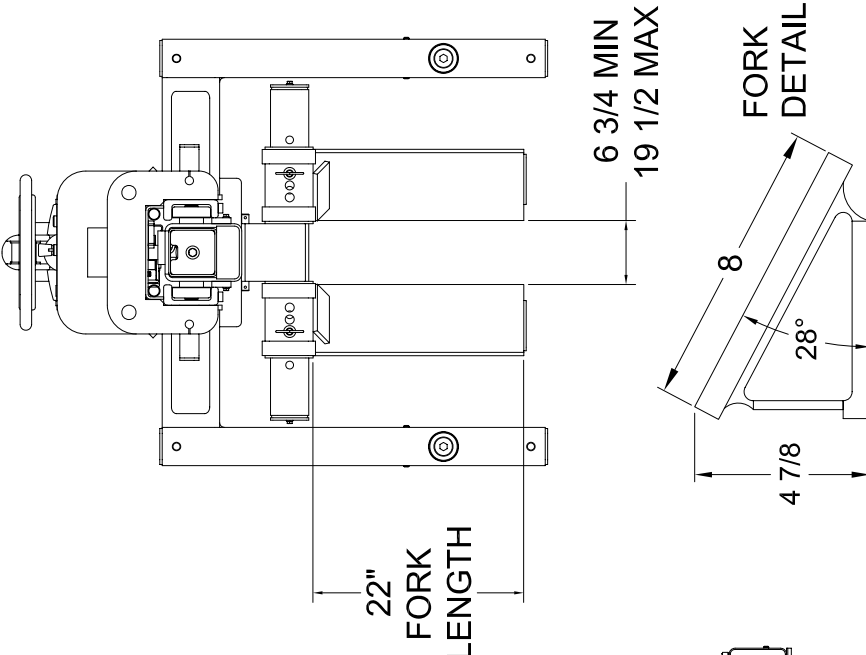
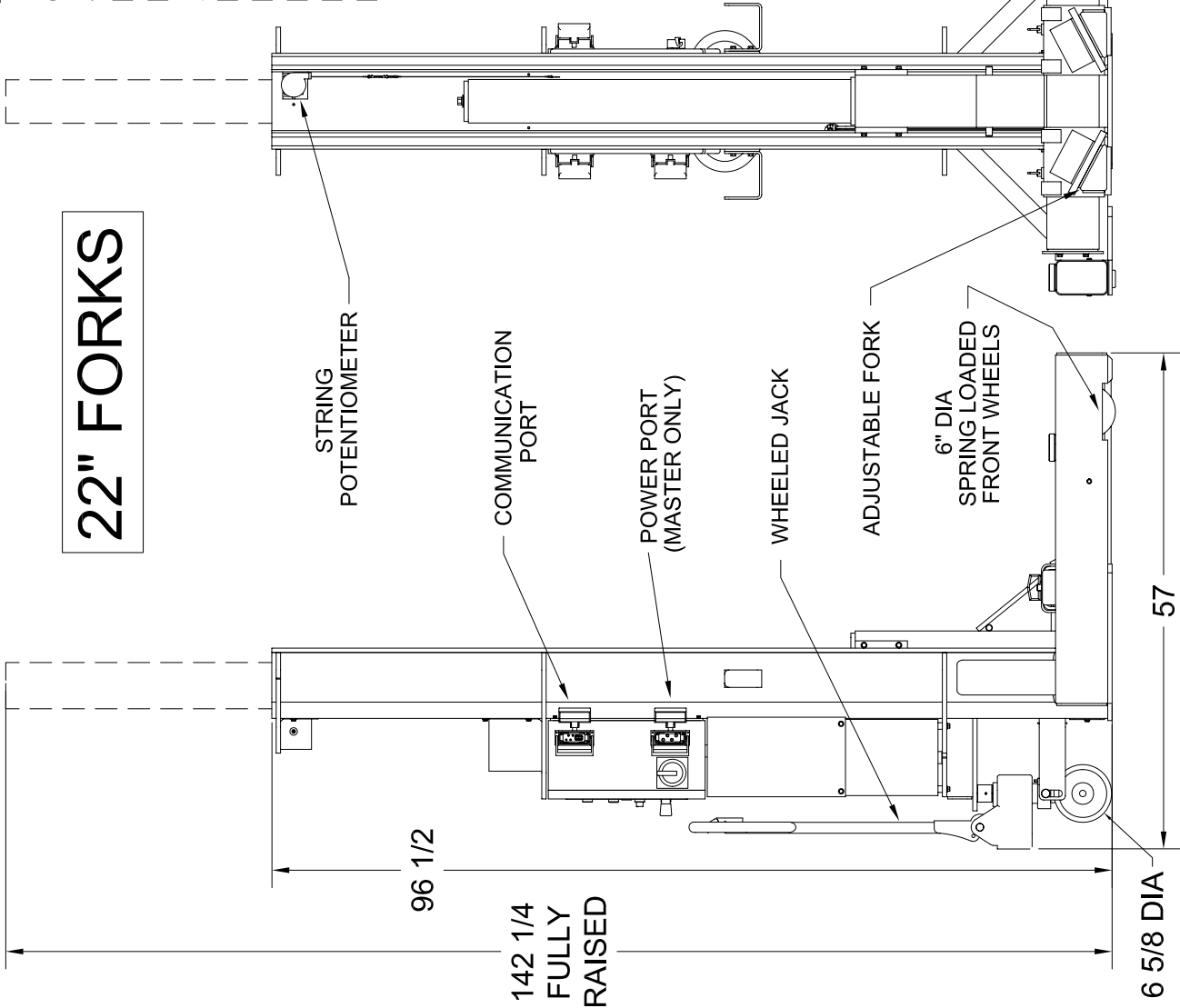
TITLE *Mobile Post Lift
Post Specifications, 15" Forks*

FROM N/A	DRAWING NUMBER MB-0100-A-002	△
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MP-18 SERIES POST SPECIFICATIONS:

CAPACITY: 16,000 LB EACH
STROKE: 67 INCHES
LIFTING SPEED: 67 SECONDS
POWER REQUIRED: 208 VAC, 3Ø STD
AMPS: VARIABLE - SEE POST QTY
POST QUANTITY: 2, 4, 6 OR 8
MAX TIRE SIZE: 48 INCH DIA
FORK LENGTH: 22 INCH
FORK WIDTH: 6 3/4 INCH MIN, 19 1/2 INCH MAX
LOCK SPACING: 3" INTERVALS STARTING @ 12"

22" FORKS



NOTICE OF CONFIDENTIAL INFORMATION

INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD.. WHERE DRAWING IS FURNISHED TO OTHERS IT SHALL BE USED SOLELY FOR PURPOSES OF INSPECTION, INSTALLATION, OR MAINTENANCE OF THE EQUIPMENT DESCRIBED HEREIN AND NOT FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF MOHAWK RESOURCES LTD..

- 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-70TT CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1°
FRACTIONAL ± .030
DECIMAL ± .030
XXX ± .005
FILE NAME
MP-0100-A-003

NEXT ASSEMBLY

SCALE 0.1	DRAWN rw7089	MOHAWK RESOURCES LTD.
CHECKED	APPROVED	TITLE Mobile Post Lift
DATE 9/12/2005	WEIGHT 1475 L.B.	FROM N/A
		DRAWING NUMBER MP-0100-A-003

DESIGN AND CONSTRUCTION

The standard mobile lift is suitable to lift wheeled vehicles by the tires. It normally comes in pairs of columns totaling 2, 4, 6 or 8 column systems. Each column consists of a rigid frame of three-wheel design for maneuverability, lifting carriages with tire forks, control panel, electric-hydraulic power unit, and hydraulic cylinder.

Two of the wheels are spring loaded and in fixed positions on the column base. The third wheel is steerable and hydraulically operated, permitting movement of the unloaded columns, but allowing the column to sit firmly on the floor before a load is applied.

The Master Column (#1, #3, #5 or #7) accepts the incoming electrical supply to the Master Column Panel and has electrical outlets for the remaining columns.

When the lift is raised or lowered in the “synchronized” mode the actual movement of each carriage is counted by each post’s PLC (programmed logic controller). If the movement of any carriage exceeds that of any other carriage in the system, the carriage is slowed down or stopped until the others catch up.

The each post houses the same controls, enabling the user to control the whole lift, a single post or a post-pair combo at any post desired.

A hydraulic cylinder, powered by an electric-hydraulic pump unit, controls the carriage movement. There is an internal relief valve on the pump unit, which prevents overloading of the carriage.

A separate automatically engaging back-up mechanical safety lock latch prevents lowering of the carriage in the event of failure of the hydraulic system.

All movement controls are of the “dead-man” type which are operable only as long as the operator is depressing the button. As soon as the button is released the motion will stop.

All columns have controls for synchronized or individual column movement, plus an “Emergency Stop”.

Depressing the Emergency Stop button will stop all columns immediately and will not permit any column movement until the depressed button is reset.

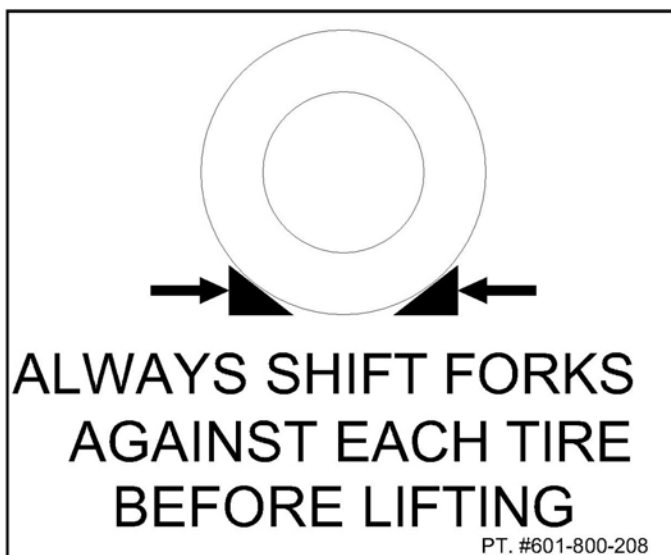
MOBILE LIFT SET-UP

THOROUGHLY READ THIS SECTION BEFORE OPERATING THE LIFT. IF YOU HAVE ANY QUESTIONS GET THEM ANSWERED BEFORE PROCEEDING. REFER TO ANSI/ALI ALIS "SAFETY REQUIREMENTS FO INSTALLATION AND SERVICE OF AUTOMOTIVE LIFTS."

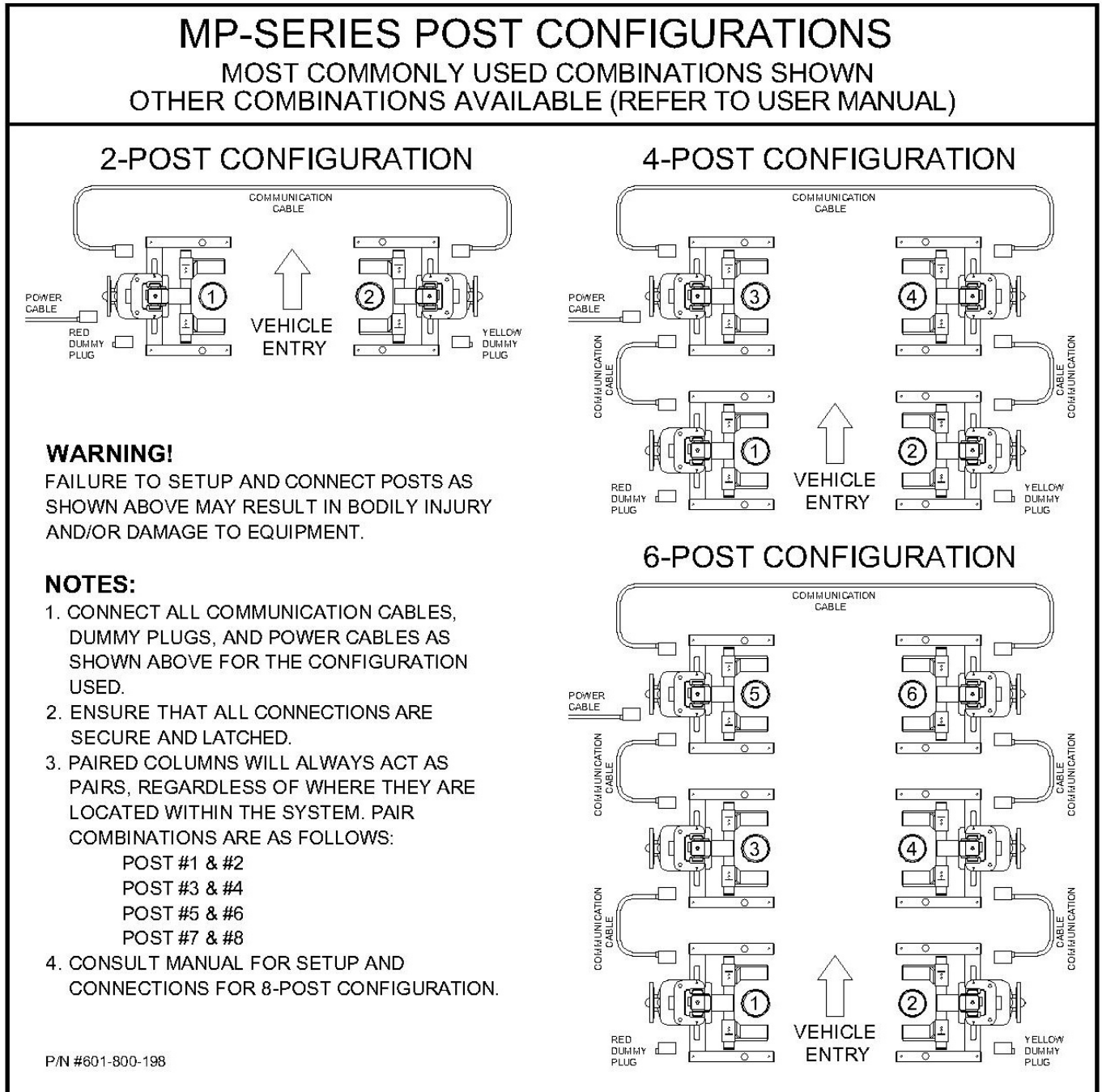
1. Be sure that the floor is strong enough to support the lift before operating. Do not use the lift on asphalt surfaces, as the lift will sink (cause depressions in the asphalt) if the vehicle is on the lift for any extended period of time. Minimum recommended flooring is 4 ½" thick concrete with 3000 psi compressive strength on grade.

If it is necessary to use the lift on an asphalt surface, it is recommended to use a steel plate, a minimum thickness of 3/8" (8mm) which extends a minimum of 6" on all sides beyond the support points of the base of the lift. This will minimize sinking effect if the vehicle is raised for an extended period of time.

2. Be sure that the surface of the floor is relatively flat. If there is a slope of more than 3 degrees (1 inch decline over 20") do not operate the lift. Relocate to a flatter surface.
3. Verify adequate ceiling clearance to raise the vehicle without the top of the vehicle coming in contact with any obstruction. If necessary, measure the lowest point to determine how high you can raise the vehicle. Minimum height required is tallest vehicle height plus 67"
4. Drive the vehicle to the working spot. Do not drive the vehicle over the cables of the lift. The cables should be arranged in a "U" shape around the entry of the vehicle or the cables should be disconnected and stored before moving the vehicle.
5. Ensure posts pairs are opposite each other at each axle (Post Pairs are 1&2, 3&4, 5&6, 7&8). Push the cradle forks of each post around each tire. Be sure to push them in as far as possible. The wheel rim should be larger than the opening in between the forks. See figure below. Ensure that fork pins are placed in holes at fork tubes.



6. Press the release lever to lower all jacking wheels on back of all posts after positioning.
7. Connect the communication cables from post to post in a daisy-chain fashion. For example: Posts 1 to 3 to 4 to 2 for a 4-post setup. Place dummy plugs (one red and one yellow) at the posts at the end of the chain. (See figure below) Note: this lift will not power up unless all communication cables and both dummy plugs are connected.



8. Connect the power cable to the appropriate master column. (See figure above)

MOBILE LIFT OPERATION

1. Perform Lift Setup as stated in previous section.
2. Disengage all E-STOP buttons at each post by turning them clockwise to release them. Turn on the main switch to the lift at the powered column (column that has the main power cable connected to it). All fault lights will illuminate at each post for approximately 5 seconds. They will then flash, signaling the user that the posts system is initialized and ready. Press the RESET button. All fault light (red) should turn off, and all power lights (green) should turn on. The system is now ready to operate.

3. **SINGLE WHEEL OPERATION**

Go to each wheel and engage each tire with the forks. To raise only a single wheel, turn the selector switch to SINGLE at the post that control is desired, while pressing the RAISE button. The SINGLE operation is to be used only to initially engage the tires and for slight equalization adjustments.

During lift operation, if single wheel lifting, lowering or parking is desired, turn the selector switch to SINGLE at the post that control is desired, while pressing the RAISE button. BE VERY CAREFUL WHEN DOING THIS OPERATION THAT THE VEHICLE REMAINS STABLE AND THAT THE SIDE OF THE VEHICLE DOES NOT COME IN CONTACT WITH THE COLUMN.

NOTE: If the SINGLE switch is released while the UP or DOWN button is still pressed the hoist will operate in default ALL synchronized mode (All posts will be controlled).

4. **RAISING ALL WHEELS**

This lift controls default to controlling ALL the columns in the system (selector switch is spring returned to ALL). Press the RAISE button to raise the lift. Keep the pressure on the button until the vehicle is raised to the desired position. If necessary, use a second person to observe the area not seen by the operator.

5. **PARKING ALL WHEELS (ON MECHANICAL LOCKS)**

This lift controls default to controlling ALL the columns in the system. Press the PARK button to lower the lift onto the mechanical locks. Keep the pressure on the button until the vehicle is completely lowered onto the locks. If necessary, use a second person to observe the area not seen by the operator.

6. **LOWERING ALL WHEELS**

This lift controls default to controlling ALL the columns in the system. Press the LOWER button to lower the lift. Keep the pressure on the button until the vehicle is lowered to the desired position. If necessary, use a second person to observe the area not seen by the operator.

NOTE: If lift in park position (on mechanical locks), you will have to raise lift off of locks first, then lower. Lift will not automatically rise off of lock when pressing lower.

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.

7. **PAIR OPERATION**

To raise, lower or park only a pair of wheels, turn the selector switch to PAIR at the post pair that control is desired, while pressing the RAISE, LOWER or PARK button.

NOTE: Be sure that the set of wheels on the ground is free to move as the effective distance between the front and rear wheels becomes less as one pair of wheels is higher or lower than the other pair. Keep the height difference between pairs as low as practical.

NOTE: If the PAIR switch is released while the UP or DOWN button is still pressed the hoist will operate in default ALL synchronized mode (All posts will be controlled).

8. **RESET OPERATION**

To re-establish a respective post-to-post synchronized state of the lift (whether all carriages are perfectly level with each other or not), press and hold the RESET button for 5 seconds. The system will then think that all posts are level with each other in the relative state that they are in. This feature is often used after major SINGLE and PAIR operations have altered the synchronized state and the user wishes to re-establish level condition when lift fully lowered. This feature is also used to turn off faults.

LIFTING EXAMPLE:

Now that all the setup and operations instructions have been presented, an example of a typical lifting application is shown:

A mechanic is to perform maintenance on a school bus. He drives the vehicle into the bay. He jacks each post with the pallet jack and moves them to each of the tires in the post configuration shown in the setup diagram. Pushing the posts firmly against the tires, he checks to ensure that the forks are slid inward as far as possible to engage the tires. He presses the pallet jack release on each column. He then connects the communication cables and dummy plugs to all the posts as shown in the setup diagram. He then connects the power cable to a master post, as shown in the setup diagram.

He is now ready to use the lift. He turns the main power switch at the powered post. He then goes to each of the posts to ensure that the E-Stop buttons are released. Once this is done, all the fault lights should illuminate. He waits until the fault lights start blinking, signifying that the lift system is established, then he presses and holds the RESET button until all fault lights go off and all power lights come on. The lift system is now ready to operate.

The mechanic then goes to each post and presses UP and SINGLE for a short moment to engage each tire with the forks until the spring loaded wheels of the post retract and the post feet are flattened on the floor. (The SINGLE function is to be used for slight adjustments and to initially engage the tires ONLY). The mechanic then presses UP and raises the vehicle to the desired height. Then the PARK button is pressed and held until the vehicle stops on the mechanical locks. Holding the PARK button too long will result in a "loss of motion" fault, which the RESET button can clear.

The mechanic is now able to work on the vehicle. Once done, he presses UP to lift the vehicle off of the mechanical locks. The DOWN button is pressed to lower the lift to the ground. If any adjustments were made (like SINGLE or PAIR) which made the lift level vary from the floor level, the lift may experience a fault when lowered to the floor. Pressing RESET will clear this fault and allow further lowering. Also, reversing the adjustments by pressing SINGLE or PAIR will allow the user to lower the lift fully to the floor.

Once vehicle is fully lowered, cables are stored and posts are jacked and pulled away.

LIFT FINAL CHECKOUT (AFTER INSTALLATION):
REV (9/1/2012)

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 POWER INPUT TO ALL POSTS (NOT APPLICABLE TO DC COLUMNS)
- PROPER COMMUNICATION OF ALL POSTS IN SYSTEM
- POST RECOGNITION OF ALL POSTS IN SYSTEM
- ALL POSTS RAISING SMOOTHLY AND ALL SYNCHRONIZED
- NO LEAKS PRESENT AT ANY FITTING JUNCTIONS
- LOCKS ARE ENGAGING ON ALL POSTS SIMULTANEOUSLY AS LIFT IS RAISING
- LOCKS ARE DIS-ENGAGING ON ALL POSTS WHEN LOWERING BUTTON DEPRESSED.
- LOCKS ARE RE-ENGAGING AFTER DIS-ENGAGED.
- LIFT IS NOT DRIFTING DOWN WHEN RAISED (RAISE LIFT, THEN STOP, AND VERIFY DRIFT DOWN OF CYLINDERS)
- NO VIBRATIONS FROM LOOSE CLAMPING, ETC.

ONCE THIS IS COMPLETE, LOCATE A REPRESENTATIVE VEHICLE INTO THE LIFTING AREA.

USE A VEHICLE THAT WEIGHS AT LEAST 50 PERCENT OF THE CAPACITY OF THE LIFT.

OBSERVING LIFTING PROCEDURES CONTAINED IN THIS MANUAL TO POSITION THE VEHICLE ONTO THE LIFT.

RAISE LIFT APPROXIMATELY 1 FOOT. VERIFY THE FOLLOWING:

- ALL POSTS RAISING SMOOTHLY AND ALL SYNCHRONIZED
- NO LEAKS PRESENT AT ANY FITTING JUNCTIONS
- LOCKS ARE ENGAGING ON ALL POSTS SIMULTANEOUSLY AS LIFT IS RAISING (SOME VARIANCE EXPECTED)
- LIFT IS NOT DRIFTING DOWN WHEN RAISED (RAISE LIFT, THEN STOP, AND VERIFY DRIFT DOWN OF CYLINDERS)
- NO VIBRATIONS FROM LOOSE CLAMPING, ETC.

PRESS PARK. VERIFY THE FOLLOWING:

- ALL POSTS LOWERING ONTO LOCKS

RAISE LIFT A FEW INCHES, THEN PRESS LOWER. VERIFY THE FOLLOWING:

- ALL POSTS LOWERING SMOOTHLY AND ALL SYNCHRONIZED
- 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:

- ALL POSTS RAISING SMOOTHLY AND ALL SYNCHRONIZED
- NO LEAKS PRESENT AT ANY FITTING JUNCTIONS
- LOCKS ARE ENGAGING ON ALL POSTS SIMULTANEOUSLY AS LIFT IS RAISING (SOME VARIANCE EXPECTED)
- 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:

- ALL LOCKS ARE ENGAGING UPON DESCENT
- PROPER SYNCHRONIZATION OF TRACKS

RAISE LIFT 3 INCHES, THEN LOWER VEHICLE TO FLOOR. VERIFY THE FOLLOWING:

- ALL POSTS LOWERING SMOOTHLY AND ALL SYNCHRONIZED
- NO LEAKS PRESENT AT ANY FITTING JUNCTIONS
- NO VIBRATIONS FROM LOOSE CLAMPING, ETC.
- LOCKS ARE NOT RE-ENGAGING WHILE LOWERING

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.

THIS ENDS THE FINAL CHECKOUT OF LIFT.

File: Final Checkout MP-Series.doc

AUTOMOTIVE LIFT SAFETY TIPS

Post these safety tips where they will be constant reminder to your lift operator.

For information specification to the lift, always refer to the lift manufacturer's manual

1. Inspects your lift daily. Never operates if it malfunctions or if it has broken or damaged parts. Repairs should be made with original equipment parts.
2. Operating controls are designed to close when released. Do not block open or override them.
3. Never overload your lift. Manufacturers rated capacity is shown on nameplate affixed to the lift.
4. Positioning of the vehicle and operation of the lift should be done only by trained and authorized personnel.
5. Never raise vehicle with anyone inside it. Customers or bystanders should not be in the lift. During operation.
6. Always keep lift area free of obstructions, grease, tools, trash and other debris.
7. Before driving vehicle over lift, position arms and supports to provide unobstructed clearance. Do not hits or run over the lift arms, adapters, or axle supports. This could damage the lift or vehicle.
8. Load vehicle on lift carefully. Positioning lift supports to contact at the vehicle manufacturers recommended lifting points. Raise lift until supports contact the vehicle. Check supports for secure contact with vehicle. Raise lift the desired working heights. CAUTION: if you are working under the vehicle, lift should be raised high enough for locking device to be engaged.
9. Note that with some vehicles, the removal (or installation) of components may cause a critical shift in the centre of gravity and results in raised vehicle instability. Refer to the vehicle manufacturers service manual for recommended procedures when vehicle components are removed.
10. Before lowering lift, be sure tool trays, stands, etc. are removed from under the vehicle. Release locking devices before attempting to lower lift.
11. Before removing vehicle from lift area, position lift arms and supports to provide and unobstructed exit (refer back to No. 7)

These "Safety Tips" along with "Lifting it Right" a general lift safety manual, are presented as an industry service by the Automotive Lift Institute. For more information on this topic, writes to ALI, PO Box 85, Cortland, NY 13045

MAINTENANCE INSTRUCTIONS

1. The channel sections where the carriage bearings ride against should be cleaned and lubricated twice a year (once every 6 months) using a light lubricant (WD-40). The channel sections where the slide blocks ride against should be cleaned and lubricated twice a year (once every 6 months) using a light lubricant (WD-40).
2. The main carriage bearings are factory lubricated and may require additional periodic lubrication. When additional lubrication is desired on these, it is recommended to use CAM2 – Multipurpose #2 Grease (Part No. 86035) or equivalent. Use approximately 2 oz. per bearing.
3. Weekly, or whenever the hoist is used after any extended down time, the power supply and communication cables should be checked to make sure that there are no nicks or cuts which may reduce or compromise the insulation. Use a de-greasing cleaner to clean all cables so they maintain their visibility (Ensure cables are disconnected when cleaning them and do not spray cleaner on end connections). Also, check visually the hydraulic line connections for leaks and tighten or repair as necessary.
4. Check your hydraulic fluid annually. Every five years the hydraulic fluid should be changed using new Dexron III ATF. Drain the reservoir tank only when the carriage is in the lowered position. Fill with 3.25 US gallons per reservoir.
5. Every three months check snap rings on wheels and carriage lock. Apply a light coating of lubricant to pins as needed (WD-40).
6. In case of electrical break down have qualified service personnel service the lift using only factory direct replacement parts.
7. Call your Distributor or Factory direct if you have any questions with regards to operating the lift or need of replacement parts.

NOTE:

ONLY TRAINED LIFT SERVICE PERSONNEL ARE PERMITTED TO REPLACE WORN OR BROKEN PARTS.

REPLACE FAULTY PARTS WITH GENUINE MOHAWK LIFTS, LLC. FACTORY DIRECT PARTS ONLY.

EXPLANATION OF COMPUTER SYSTEM

Electrical Power System

There are two types of columns with this system, master and slave. The only difference between them is that the master columns allow main power entry and main power control. Once the power is feed a master column, a low power 24 VAC signal is sent through the system to detect if the following conditions are met:

1. The main switch of the master column with the power cable connected is turn on.
2. All the communication cables are connected to all the columns in the system.
3. Both dummy plugs are connected at the ends of the system.
4. All the E-stop buttons are released.

Once these conditions are met, the main power contactor at the powered master column is activated, allowing power distribution to all the columns in the system. Power is provided to all the PLCs (programmed logic controllers) in the system. Once the PLCs are powered, they “search” for each other, establishing a network for synchronizing and controlling the lift as a system.

Operation of Synchronized Lifting or Lowering

Each PLC is “addressed” which establishes its identity on the network. For example, post #1 has a PLC with address #1, etc. Once communication of the network of PLCs is established, each PLC senses control and position inputs from each other. Be aware that pairs are designated as post #1&2, post #3&4, post #5&6, and post #7&8, regardless of where they are physically placed in the system.

The height of each carriage above floor level is measured by string potentiometers (see next section) and compared to the other carriages by the PLC network. If any one carriage position is more than 1 1/2” greater than the slowest carriage, the fastest one slows down or stops to allow the slowest one to catch up. When lifting in Pair or Single mode, counting is not done, resulting in the PLCs seeing a “synchronized” state after this adjustment is made.

If you turn off the unit, press RESET, or press the Emergency Stop button, the computer position for each column is reset to believe that all columns are the same height, and the columns are now synchronized from this new starting position.

Function of String Potentiometer

There is a string potentiometer (string-pot) mounted on the top of each column, and connected to each carriage, which senses the movement of the carriage. You can observe proper string-pot input at each column by watching that column’s PLC and looking at the INPUT 0.0 light on the PLC as the column is raised or lowered. Each flash is representing an electrical pulse input to the PLC from the sting-pot. The string-pot sends a pulse input to the PLC as the string is pulled in and out of the sensor. There are approximately 120 pulses sent to the PLC for every 1” of stroke. If raising or lowering is not possible, pulling of the string-pot cable while the unit is powered will accomplish a pulse input to the PLC.

TROUBLE SHOOTING

START-UP:

Problem: Upon power up, no lights illuminate.

Solution1: Check to see that all communication cables are connected, dummy plugs are connected, all E-Stop buttons are released, power cable is connected, and main power switch is on at powered post.

Solution2: If Solution 1 does not produce results, have qualified electrician verify main power coming into system matches power requirements of lift. Check for tripped circuit breaker.

Solution3: If Solution 2 does not produce results, check for these items in the following order when lift power feed is unplugged. Check for blown fuse (3 fuses present) on 24 VAC (small) transformer in powered master post, Verify proper 24 VAC output of small transformer in powered master post, Check for faulty 24 VAC relay (left 2 of 3 at bottom of panel) of powered master post, Check for faulty coil in power contactor (large) in powered master post. Consult with qualified electrician.

Solution4: If Solution 3 does not produce results, check for Faulty E-Stops. Unplug power from system. Connect all communication cables, remove both dummy plugs, and release all E-Stop buttons. Verify continuity between pin 8 of one end of the system and pin 8 of the other end of the system. If continuity not present, probable faulty E-Stop in one of the posts or possible faulty communication cable. Remove posts from system to “home-in” on which post (or cable) is producing the problem.

Solution5: If Solution 4 does not produce results, check for Faulty communication cable. Verify continuity between pin 9 of one end of the system and pin 9 of the other end of the system. Verify continuity between pin 10 of one end of the system and pin 10 of the other end of the system. If continuity not present, possible faulty communication cable. Check each cable for pin to pin continuity.

Problem: Upon power up, all master post power lights blink, all slave post fault lights are solid.

Solution: This is a power fault, which indicates that the power feed lines are reversed rotation. Have a qualified electrician reverse 2 lines of the incoming power to the lift.

Problem: Upon power up, one post power light blinks, all other posts fault lights solid.

Solution: This is a motor overload fault, which indicates that the overload has tripped for the post that is blinking. Turn unit off and wait a minute or two until the overload resets itself automatically.

DURING OPERATION:

Problem: Lift stops and all fault lights solid except one post fault light blinks.

Solution: This indicates an out of level fault. Reset lift and run lift again to see if error continues to occur. If so, check string-pot at post that is blinking to ensure a signal is being sent to PLC (see EXPLANATION OF COMPUTER SYSTEM).

Problem: When raising or lowering, lift stops and all fault lights blink.

Solution1: Lift indicating a non-motion error. This occurs if any post in the system is halted for more than 2 seconds. This can occur if lowering when any carriage is on a lock, if lowering when any carriage is fully lowered, or when raising if any carriage is fully raised.

Solution2: This indicates a communication error between posts in the system. Turn off lift and restart to see if error continues to occur. If so, contact Mohawk's Service department.

Problem: There is more than 1-1/2" height difference between carriages.

Solution: This may be due to the fact that one column was operated on SINGLE before operating the unit in the ALL mode. This may also be due to operating in the PAIR mode before operating in ALL mode.

Problem: Lift jack not raising lift or lift jack not collapsing when loaded.

Solution: Lift jack relief valve needs to be adjusted. Turn relief set screw clockwise to increase lifting ability of jack. Turn relief set screw counter-clockwise to reduce lifting ability of jack. See illustration in back of manual.

Problem: Carriage is lowering on its own.

Solution1: Check that there are no oil leaks by checking around the column. If so, repair the leak condition.

Solution2: If Solution 1 does not produce results, check for leakage of cylinder piston seals. Remove black plastic vent tube from power unit reservoir tank port and see if any fluid is flowing out. If so, cylinder piston seals are leaking. Contact Mohawk's Service department.

Solution3: If Solution 2 does not produce results, the lowering valve(s), located on the power unit may have collected some dirt, preventing them from sealing properly. Make sure that the carriage is lowered to floor level in order that there is no pressure in the system. Disconnect the power so that no one can start the unit. You can now remove the lowering valve(s). Disconnect the electrical leads from the solenoid using a screwdriver to remove the screw holding the two mating connectors. Remove the lowering valve(s) from the power unit and check to see that there is no foreign material in the valve ends, which prevent the balls from sealing. Remove the foreign material. If you cannot find any problem, replacement of valve may be required. Contact Mohawk's Service department.

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

PARTS

MP-18-SERIES
ELECTRIC/HYDRAULIC
PORTABLE LIFT

#	DESCRIPTION	DATE	APPROVED
H	Item 13 Was MP-1100-P-001	07/20/2015	G.GORE
J	Qty of Items 21 & 24 Was 11		
K	Deleted Item 37 MP-000-A-012 Posing Line	09/04/2015	G.GORE
L	Added Items 35 Thru 39		
M	Item 34 Was Qty-2, 025-002-167	12/19/2016	G.GORE
N	Washer, Drilled MP-5300-P-001	5/25/2017	CHS
O	Item 13 was MP-5700-P-003		
P	1. Item 6 was MP-0600-A-001	01/30/2018	Peresko
Q	2. Item 7 was MP-0700-A-001		
R	3. Item 11 was MP-1000-W-005	07/30/2018	Peresko
S	4. Item 12 was MP-1000-W-006		

36 37 38 39
(2) (2)

ATTACH PACKING TUBES
(TYP & PLACES)

1

(NOT SHOWN)

21 24

AT ALL COVERS
(TYP 11 PLACES)

22 26

AT CABLE BRACKETS
(TYP 4 PLACES)

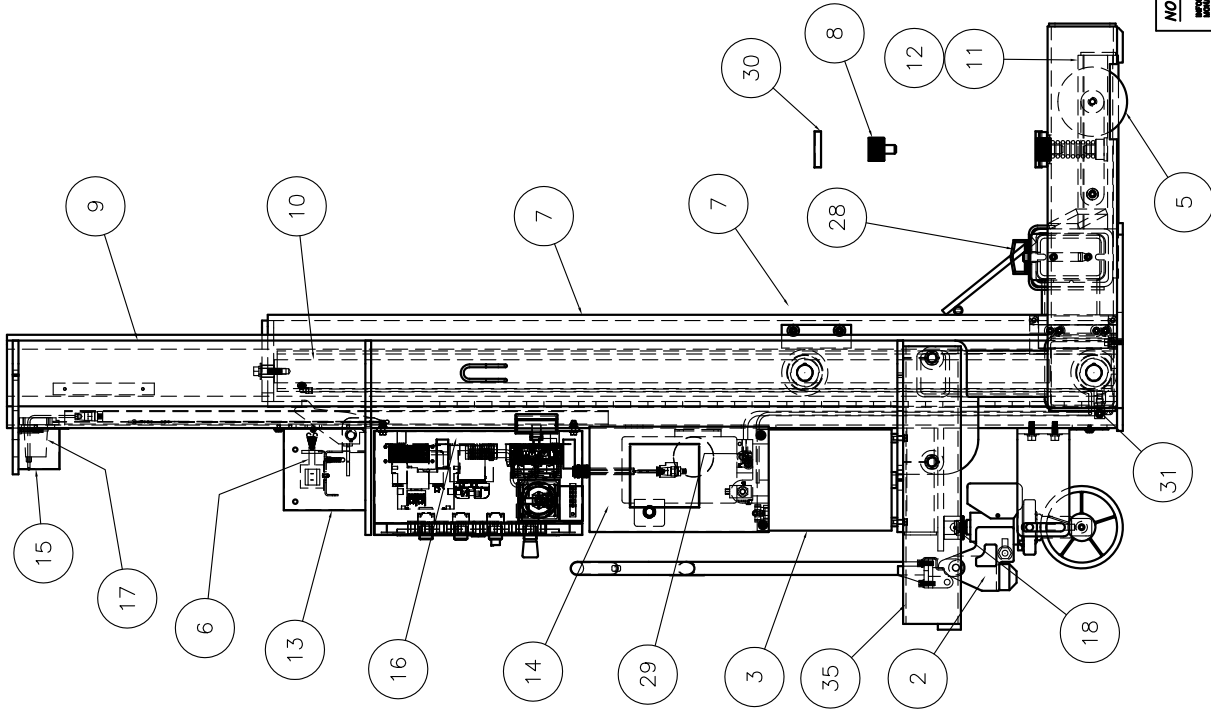
19 23 26

ATTACH PU ON POST SHELF
(TYP 4 PLACES)

19 23 33
(2) (2)

FOR MOUNTING ELECTRICAL CONTROL BOX
(TYP 4 PLACES)

15" FORKS



39	600-720-008	Washer, Lock, 3/4	4			0.040
38	600-710-001	Washer, Flat, 3/4	8			0.110
37	600-680-005	Nut, Plain, 3/4-16 NF	4			0.120
36	600-640-003	Bolt, Hex Head, 3/4-16 NF x 2 1/2" (GRS)	4			0.500
35	MP-5400-W-001	Packing Tube Weldment (24V)	2			39.760
34			0			0.000
33	600-680-001	Nut, Nylon Lock, 5/16-18 NC	4			0.010
32			0			0.000
31	P-150-P-004	Access Hole Cover	1	600-030-008	10ga x 3 1/4" x 6"	0.020
30	601-460-005	Cap, Plastic, Red, 3" Dia x 1/2 Thk	2			0.100
29	601-420-017	Elbow, 90 Deg, #6 ORB to #6 JIC	1			0.750
28	600-900-006	Hitch Pin, 3/4 Dia x 4" Useable	2			0.004
27			0			0.010
26	600-720-002	Washer, Lock, 5/16	4			0.040
25			0			0.010
24	600-710-004	Washer, Flat, 1/4	9			0.005
23	600-710-003	Washer, Flat, 5/16	12			0.010
22	600-640-039	Bolt, Hex Head, 1/4-20 NC x 3/8 Lg (Gr 5)	9			0.030
21	600-640-001	Bolt, Hex Head, 5/16-18 NC x 1" Lg (Gr 5)	8			0.010
20			0			0.030
19	600-630-003	Set Screw, 1/4-20 NC x 1/2 Lg	1			0.700
18	MP-1300-A-014	String Pot Assembly	1			48.600
17	MP-1300-A-001	Master Control Box Assy	1			1.000
16	MP-1100-P-003	Sensor Cover	1	600-030-014	16 Gauge	7.516
15	MP-1100-P-005	Power Unit Cover	1	600-030-014	16 Ga x 15 1/2 x 27 1/4	3.750
14	MP-5700-P-003	Lock Cover (MP-24/30 DC)	1	600-030-014	16 Gauge	52.600
13	MP-1000-W-011	Fork Weldment, Right, 15"	1			126.000
12	MP-1000-W-010	Fork Weldment, Left, 15"	1			721.000
11	MP-0800-A-001	Cylinder Assembly	1			1.170
10	MP-0800-W-002	Post Weldment	2	600-090-019	2" Dia x 2 1/2 Lg	302.200
9	MP-0800-P-024	Interlocked Spring Retainer	1			7.500
8	MP-0700-A-004	Cartridge Assembly	1			7.840
7	MP-0600-A-002	Lock Release Assembly	2			75.000
6	MP-0400-A-004	Power Unit Assy, 230/460 VAC, 3 Ph	1			47.500
5	MP-0400-A-007	Jack Assembly	1			0.000
4	MP-0300-A-001	Tag & Decal Location - Master Post	1			
3						
2						
1						

NOTICE OF CONFIDENTIAL INFORMATION
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ITEM	NAME	DESCRIPTION	QTY	MATERIAL	NOTE	MASS	PRICE
1	MP-0300-A-001	Tag & Decal Location - Master Post	1				
2	MP-0400-A-007	Jack Assembly	1				
3	MP-0400-A-004	Power Unit Assy, 230/460 VAC, 3 Ph	1				
4	MP-0600-A-002	Lock Release Assembly	2				
5	MP-0700-A-004	Cartridge Assembly	1				
6	MP-0800-A-002	Lock Release Assembly	2				
7	MP-0800-P-024	Interlocked Spring Retainer	1				
8	MP-0800-W-002	Post Weldment	2	600-090-019	2" Dia x 2 1/2 Lg		
9	MP-0800-A-001	Cylinder Assembly	1				
10	MP-1000-W-010	Fork Weldment, Left, 15"	1				
11	MP-1000-W-011	Fork Weldment, Right, 15"	1				
12	MP-5700-P-003	Lock Cover (MP-24/30 DC)	1				
13	MP-1100-P-005	Power Unit Cover	1				
14	MP-1300-A-001	Master Control Box Assy	1				
15	MP-1300-A-014	String Pot Assembly	1				
16	600-630-003	Set Screw, 1/4-20 NC x 1/2 Lg	1				
17	600-640-001	Bolt, Hex Head, 5/16-18 NC x 1" Lg (Gr 5)	8				
18	600-640-039	Bolt, Hex Head, 1/4-20 NC x 3/8 Lg (Gr 5)	9				
19	600-710-004	Washer, Flat, 1/4	9				
20	600-710-003	Washer, Flat, 5/16	12				
21	600-640-003	Bolt, Hex Head, 3/4-16 NF x 2 1/2" (GRS)	4				
22	600-680-005	Nut, Plain, 3/4-16 NF	4				
23	600-720-002	Washer, Lock, 5/16	4				
24	600-720-008	Washer, Lock, 3/4	4				
25			0				
26	600-680-001	Nut, Nylon Lock, 5/16-18 NC	4				
27			0				
28	MP-5400-W-001	Packing Tube Weldment (24V)	2				
29	601-420-017	Elbow, 90 Deg, #6 ORB to #6 JIC	1				
30	601-460-005	Cap, Plastic, Red, 3" Dia x 1/2 Thk	2				
31	P-150-P-004	Access Hole Cover	1	600-030-008	10ga x 3 1/4" x 6"		
32			0				
33	600-680-001	Nut, Nylon Lock, 5/16-18 NC	4				
34			0				
35	MP-5400-W-001	Packing Tube Weldment (24V)	2				
36	600-640-003	Bolt, Hex Head, 3/4-16 NF x 2 1/2" (GRS)	4				
37	600-680-005	Nut, Plain, 3/4-16 NF	4				
38	600-710-001	Washer, Flat, 3/4	8				
39	600-720-008	Washer, Lock, 3/4	4				

#	DESCRIPTION	DATE	APPROVED
H	Item 13 Was MP-1100-P-001	01/20/2015	G.GORE
J	Qty Of Items 21 & 24 Was 11		
K	Deleted Item 31 MP-0800-A-012 Posing Issue	09/14/2015	G.GORE
L	Added Items 35 Thru 39		
M	Item 34 Was Qty=2 025-002-167	12/19/2016	G.GORE
N	Washer, Drilled		
1	Item 6 was MP-0600-A-001	01/20/2018	Verresako
2	Item 7 was MP-0700-A-001		
3	Item 11 was MP-1000-W-005	01/20/2018	Verresako
4	Item 12 was MP-1000-W-006		

36 37 38 39
(22)

ATTACH BACKING TUBES
(TYP 4 PLACES)

1
(NOT SHOWN)

21 24
(TYP 11 PLACES)

22 26
(TYP 4 PLACES)

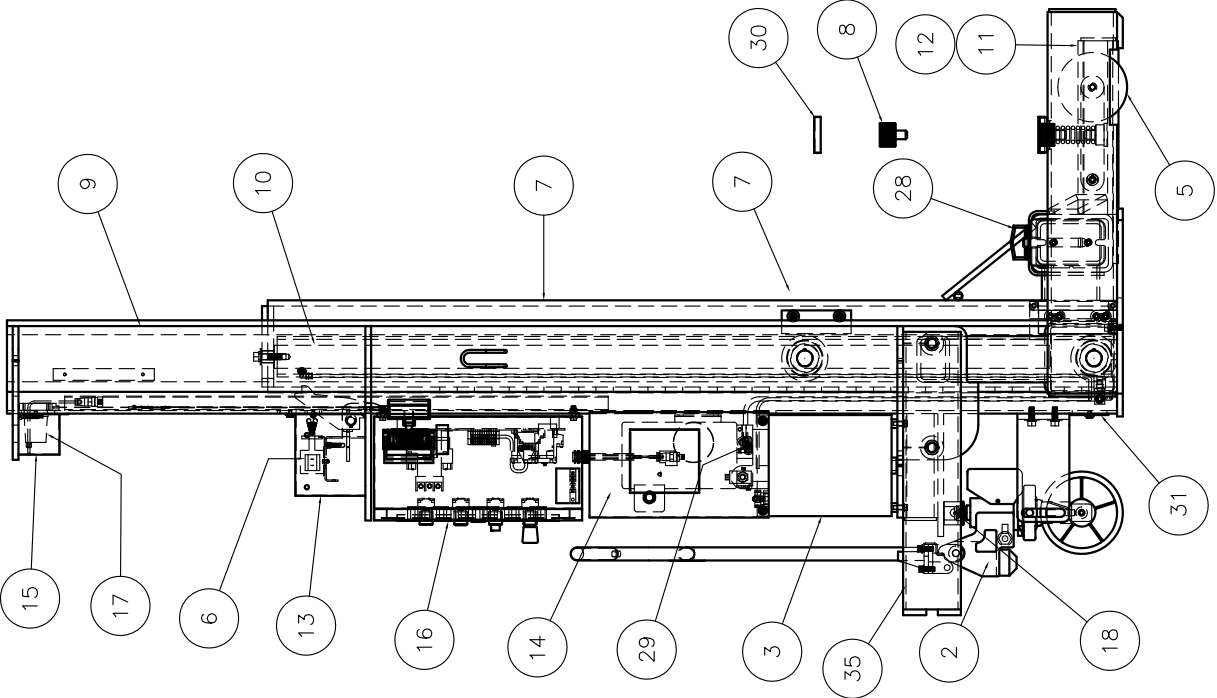
19 23 26
(TYP 4 PLACES)

ATTACH PU ON POST SHELF
(TYP 4 PLACES)

15" FORKS

19 23 33
(22)

FOR MOUNTING ELECTRICAL CONTROL BOX
(TYP 4 PLACES)



39	600-720-008	Washer, Lock, 3/4	4			0.040
38	600-710-001	Washer, Flat, 3/4	8			0.110
37	600-680-005	Nut, Plain, 3/4-16 NF	4			0.120
36	600-640-003	Bolt, Hex Head, 3/4-16 NF x 2 1/2" (GR5)	4			0.500
35	MP-5400-W-001	Packing Tube Weldment (24V)	2			39.760
34			0			0.000
33	600-680-001	Nut, Nylon Lock, 5/16-18 NC	4			0.010
32			0			0.000
31	P-150-P-004	Access Hole Cover	1	600-030-008	10ga x 3 1/4" x 6"	0.730
30	601-460-005	Cap. Plastic, Red, 3" Dia x 1/2 Thk	2			0.020
29	601-420-017	Elbow, 90 Deg, #6 ORB to #6 JIC	1			0.100
28	600-900-006	Hitch Pin, 3/4 Dia x 4" Usable	2			0.750
27			0			
26	600-720-002	Washer, Lock, 5/16	4			0.004
25			0			
24	600-710-004	Washer, Flat, 1/4	9			0.010
23	600-710-003	Washer, Flat, 5/16	12			0.005
21	600-640-039	Bolt, Hex Head, 1/4-20 NC x 3/8 Lg (Gr 5)	9			0.010
20			0			
19	600-640-001	Bolt, Hex Head, 5/16-18 NC x 1" Lg (Gr 5)	8			0.030
18	600-630-003	Set Screw, 1/4-20 NC x 1/2 Lg	1			0.010
17	MP-1300-A-014	String Pot Assembly	1			0.700
16	MP-1300-A-002	Sieve Control Box Assy	1			39.700
15	MP-1100-P-003	Sensor Cover	1	600-030-014	16 Gauge	1.000
14	MP-1100-P-005	Power Unit Cover	1	600-030-014	16 Ga x 15 1/2 x 27 1/4	7.516
13	MP-5200-P-001	Lock Cover	1	600-030-014	16 Gauge	3.460
12	MP-1000-W-011	Fork Weldment, Right, 15"	1			52.600
11	MP-1000-W-010	Fork Weldment, Left, 15"	1			52.600
10	MP-0900-A-001	Cylinder Assembly	1			126.000
9	MP-0800-W-002	Post Weldment	1			721.000
8	MP-0800-P-024	Threaded Spring Retainer	2	600-090-019	2" Dia x 2 1/2 Lg	1.170
7	MP-0700-A-004	Carriage Assembly	1			302.200
6	MP-0600-A-002	Lock Release Assembly	1			7.500
5	MP-0500-A-001	Floor Roller Assembly	2			7.840
4	MP-0400-A-004	Power Unit Assy, 230/460 VAC, 3 Ph	1			75.000
3	MP-0400-A-007	Lock Assembly	1			47.500
2	MP-0300-A-002	Tag & Decal Location - Sieve Post	1			
1			1			

ITEM	NAME	DESCRIPTION	QTY	MATERIAL	NOTE
Parts List					
TOLERANCES					
FRACTIONS ± .030					
DECIMALS ± .005					
ANGLES ± .005					
HOLE LOCATIONS ± .005					
HOLE DIA ± .005					
HOLE DRILLING ± .005					
HOLE TAPPING ± .005					
HOLE REAMING ± .005					
HOLE GRINDING ± .005					
HOLE POLISHING ± .005					
HOLE FINISHING ± .005					
HOLE TREATMENT ± .005					
HOLE INSULATION ± .005					
HOLE PROTECTION ± .005					
HOLE REPAIR ± .005					
HOLE REMOVAL ± .005					
HOLE REPLACEMENT ± .005					
HOLE REINFORCEMENT ± .005					
HOLE STRENGTHENING ± .005					
HOLE WEAR RESISTANCE ± .005					
HOLE CORROSION RESISTANCE ± .005					
HOLE FATIGUE RESISTANCE ± .005					
HOLE IMPACT RESISTANCE ± .005					
HOLE TENSILE STRENGTH ± .005					
HOLE COMPRESSIVE STRENGTH ± .005					
HOLE SHEAR STRENGTH ± .005					
HOLE TORSIONAL STRENGTH ± .005					
HOLE BENDING STRENGTH ± .005					
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HOLE COMPRESSIVE ELONGATION ± .005					
HOLE SHEAR ELONGATION ± .005					
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HOLE SHEAR MODULUS ± .005					
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#	DESCRIPTION	DATE	APPROVED
G	Item 13 Was MP-1100-P-001 07/21/2015 G.GORE		
H	Qty. Of Items 21 & 24 Was 11		
I	Added Item 32 MP-000-A-017 Packing Tube	09/14/2015	G.GORE
J	Item 34 Was Qty-2 302002-107 12/19/2016 G.GORE		
K	Yagster Drilled		
L	Item 9 was MP-0600-A-001 07/30/2018 rveresko		
M	Item 10 was MP-1000-A-001		
N	Item 11 was MP-1500-W-003 07/30/2018 rveresko		
O	Item 12 was MP-1500-W-004		

36 37 38 39
(22)

ATTACH PACKING TUBES
(TYP 4 PLACES)

1

(NOT SHOWN)

21 24
(TYP 11 PLACES)

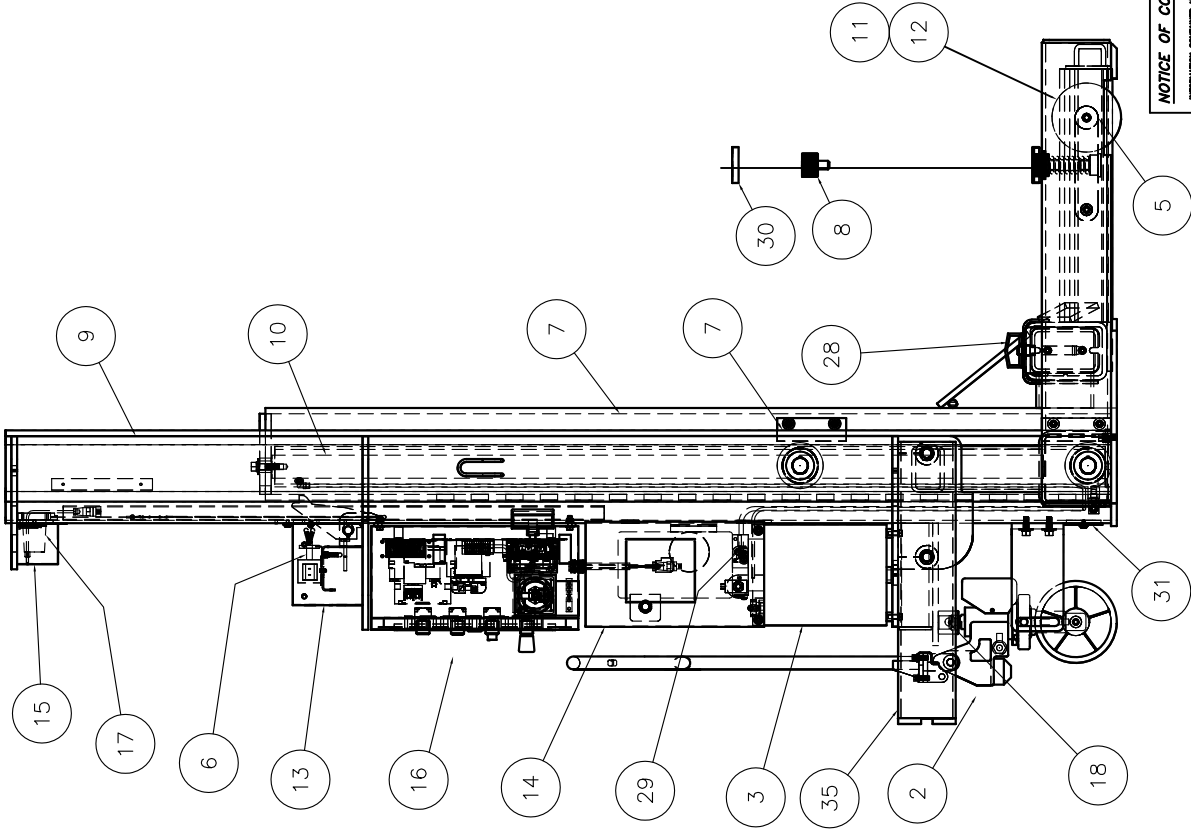
22 26
(TYP 4 PLACES)

19 23 26
(TYP 4 PLACES)

19 23 33
(22)

FOR MOUNTING ELECTRICAL CONTROL BOX
(TYP 4 PLACES)

WIDER & LONGER (22" FORKS)



39	600-720-008	Washer, Lock, 3/4	4			0.040
38	600-710-001	Washer, Flat, 3/4	8			0.110
37	600-680-005	Nut, Plain, 3/4-16 NF	4			0.120
36	600-640-003	Bolt, Hex Head, 3/4-16 NF x 2 1/2" (GR5)	4			0.500
35	MP-5400-W-001	Packing Tube Weldment (24V)	2			39.760
34			0			0.000
33	600-690-001	Nut, Nylon Lock, 5/16-18 NC	4			0.010
32			0			0.000
31	P-150-P-004	Access Hole Cover	1	600-030-008	10ga x 3 1/4" x 6"	
30	601-460-005	Cap, Plastic, Red, 3" Dia x 1/2 Thk	2			0.020
29	601-420-017	Elbow, 90 Deg, #6 ORB to #6 JIC	1			0.100
28	600-900-006	Hitch Pin, 3/4 Dia x 4" Usable	2			0.750
27			0			
26	600-720-002	Washer, Lock, 5/16	4			0.004
25			0			
24	600-710-004	Washer, Flat, 1/4	9		.75 OD .312 ID .062Thk	0.010
21	600-640-039	Bolt, Hex Head, 1/4-20 NC x 3/8 Lg (Gr 5)	9			0.010
20			0			
19	600-640-001	Bolt, Hex Head, 5/16-18 NC x 1" Lg (Gr 5)	8			0.030
18	600-630-003	Set Screw, 1/4-20 NC x 1/2 Lg	1			0.010
17	MP-1300-A-014	String Pot Assembly	1			0.700
16	MP-1300-A-001	Master Control Box Assy	1			48.600
15	MP-1100-P-003	Sensor Cover	1	600-030-014	16 Gauge	1.000
14	MP-1100-P-005	Power Unit Cover	1	600-030-014	16 Ga x 15 1/2 x 27 1/4	7.516
13	MP-5200-P-001	Lock Cover	1	600-030-014	16 Gauge	3.460
12	MP-1500-W-011	Fork Weldment, Right, LONGER (22")	1			91.000
11	MP-1500-W-010	Fork Weldment, Left, LONGER (22")	1			91.000
10	MP-0900-A-001	Cylinder Assembly	1			126.000
9	MP-1800-W-001	Post Weldment, LONGER & WIDER	1			729.220
8	MP-0800-P-024	Threaded Spring Retainer	2	600-090-019	2" Dia x 2 1/2 Lg	1.170
7	MP-1800-A-002	Carriage Assembly, 22" FORKS	1			366.970
6	MP-0800-A-002	Lock Release Assembly	1			7.500
5	MP-0500-A-001	Floor Roller Assembly	2			7.840
3	MP-0400-A-004	Power Unit Assy, 230/460 VAC, 3 Ph	1			75.000
2	MP-0400-A-007	Lock Assembly	1			47.500
1	MP-0300-A-003	Tag & Decal Location - Master Post	1			0.000

NOTES:
1. REMOVE ALL SHARP EDGES & ENDS.
2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. SPECIFICATIONS TO E-70XX ELECTRONICS OR E-70XX CODE 53 FLUX CORE WIRE ONLY.
E-70XX CODE 53 FLUX CORE WIRE ONLY.

NOTICE OF CONFIDENTIAL INFORMATION

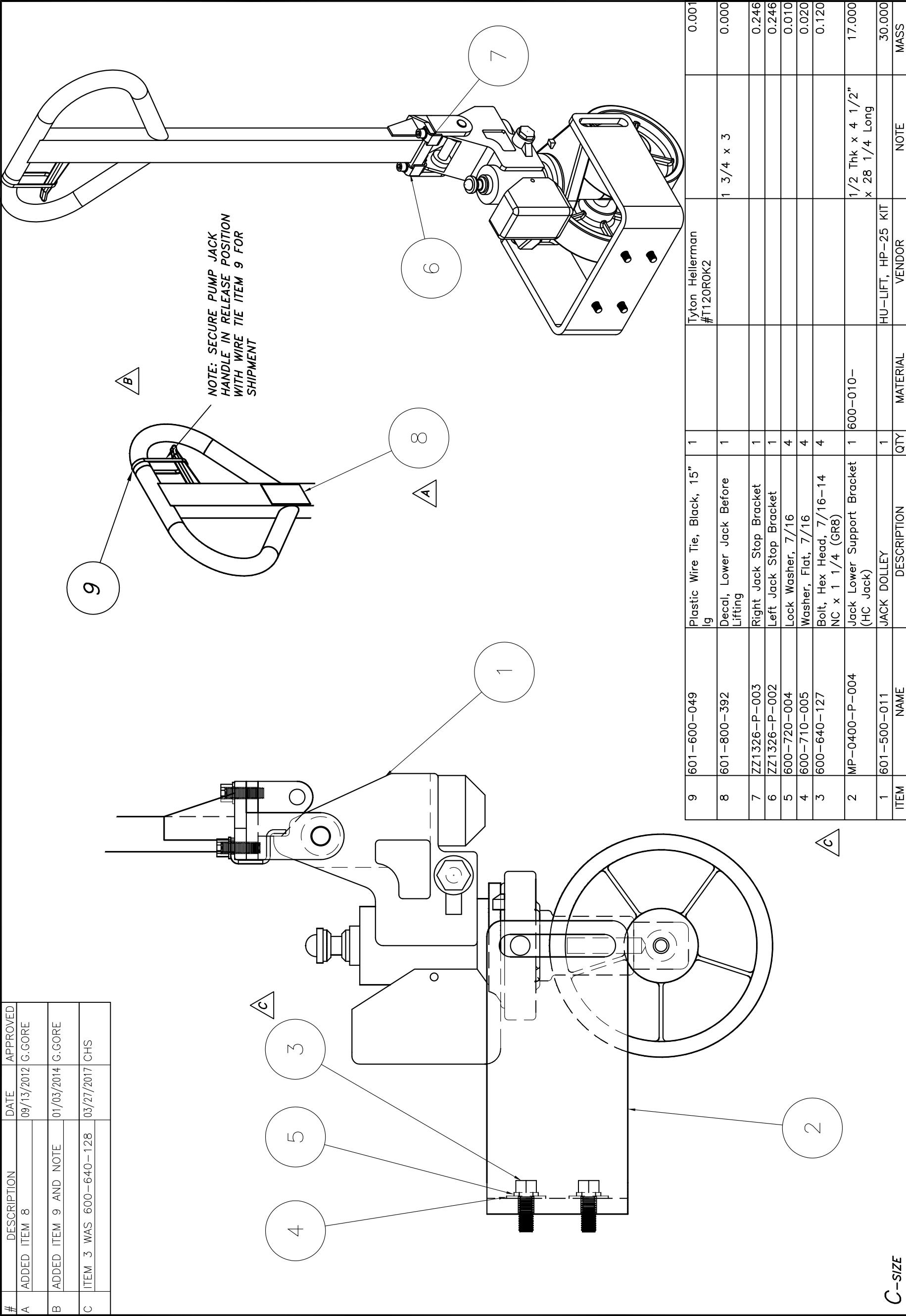
TECHNICAL
DRAWING
MP-0200-A-
1.0
DATE
4/25/06
NEXT ASSEMBLY

MOHAWK RESOURCES LTD.
WIDER & LONGER 22"
Master
Foot
Assembly
P/N
N/A
LBS
1.650
DRAWING NUMBER
MP-0400-A-014

D-SIZE



#	DESCRIPTION	DATE	APPROVED
A	ADDED ITEM 8	09/13/2012	G.GORE
B	ADDED ITEM 9 AND NOTE	01/03/2014	G.GORE
C	ITEM 3 WAS 600-640-128	03/27/2017	CHS



9	601-600-049	Plastic Wire Tie, Black, 15" lg	1		Tyton Hellerman #T120R0K2	0.001
8	601-800-392	Decal, Lower Jack Before Lifting	1		1 3/4 x 3	0.000
7	ZZ1326-P-003	Right Jack Stop Bracket	1			0.246
6	ZZ1326-P-002	Left Jack Stop Bracket	1			0.246
5	600-720-004	Lock Washer, 7/16	4			0.010
4	600-710-005	Washer, Flat, 7/16	4			0.020
3	600-640-127	Bolt, Hex Head, 7/16-14 NC x 1 1/4 (GR8)	4			0.120
2	MP-0400-P-004	Jack Lower Support Bracket (HC Jack)	1	600-010-	1/2 Thk x 4 1/2" x 28 1/4 Long	17.000
1	601-500-011	JACK DOLLEY	1		HU-LIFT, HP-25 KIT	30.000
ITEM	NAME	DESCRIPTION	QTY	MATERIAL	VENDOR	NOTE
						MASS

C-SIZE

NOTICE OF CONFIDENTIAL INFORMATION

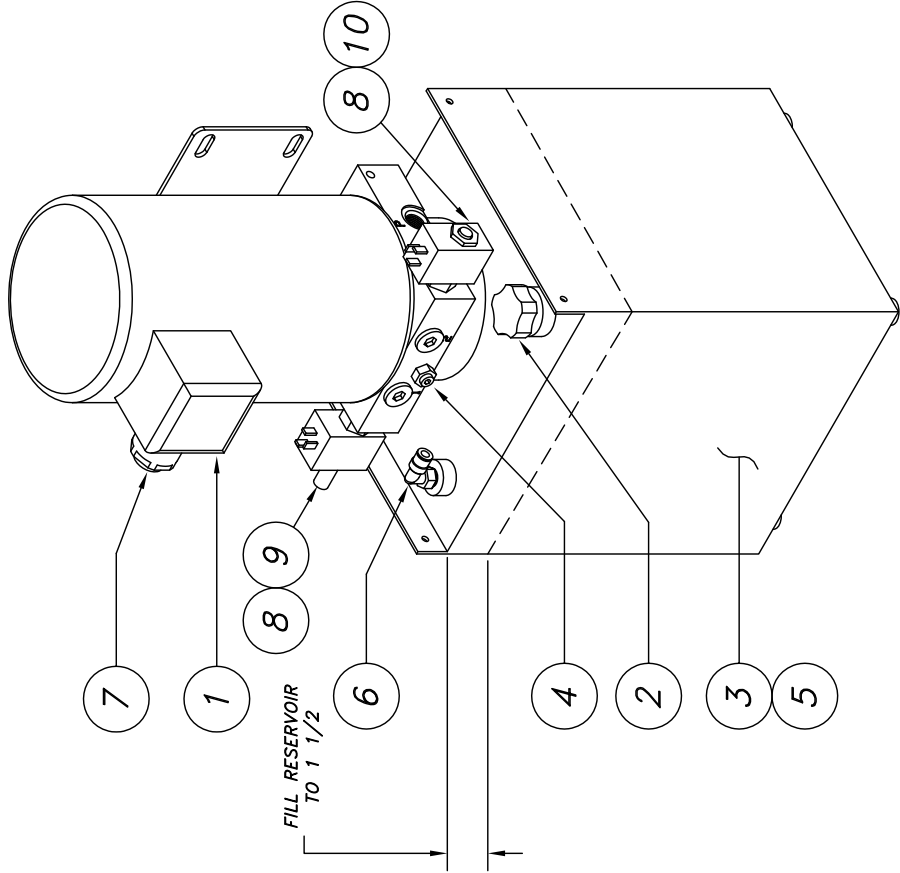
INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD.. WHERE DRAWING IS FURNISHED TO OTHERS IT SHALL BE USED SOLELY FOR PURPOSES OF INSPECTION, INSTALLATION, OR MAINTENANCE. THE INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.

- 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 53 FLUX CORE WIRE ONLY.

TOLERANCES:	
ANGULAR	± 1°
FRACTIONAL	± .030
DECIMAL	± .030
XXX	± .005
FILE NAME	MP-0400-A-007

SCALE	1/2	DRAWN	G.GORE	MOHAWK RESOURCES LTD.
CHECKED		APPROVED		TITLE
DATE	07/11	WEIGHT	47.5 LB.	Mobile Post Lift Jack Assembly
NEXT ASSEMBLY		FROM		DRAWING NUMBER
				MP-0400-A-007

#	DESCRIPTION	DATE	APPROVED
A	1. 601-140-046 ADDED AS ITEM 7	01/08/2007	rwv7089
B	Item 8,9,10 Added for Reference.	06/05/2015	rwv7089



MACHINE SHOP PU PREPARATION:

1. FILL TANK TO WITHIN 1" TO 1 1/2 INCHES TO TOP OF TANK.
DO NOT OVER-FILL.
2. RUN POWER UNIT AND SET REILEF TO **3200 PSI**.
3. APPLY TAMPER PROOF SEALANT TO RELIEF VALVE.
4. PLUG ALL PORTS AND LABEL AS "FULL - SET @ 3200 PSI"

SHIPPING PU PREPARATION:

1. REPLACE MAIN FILL PLUG WITH BREATHER CAP.
2. REPLACE LEFT VENT PLUG WITH 90 DEGREE TUBE FITTING.
3. ASSEMBLE TO LIFT.

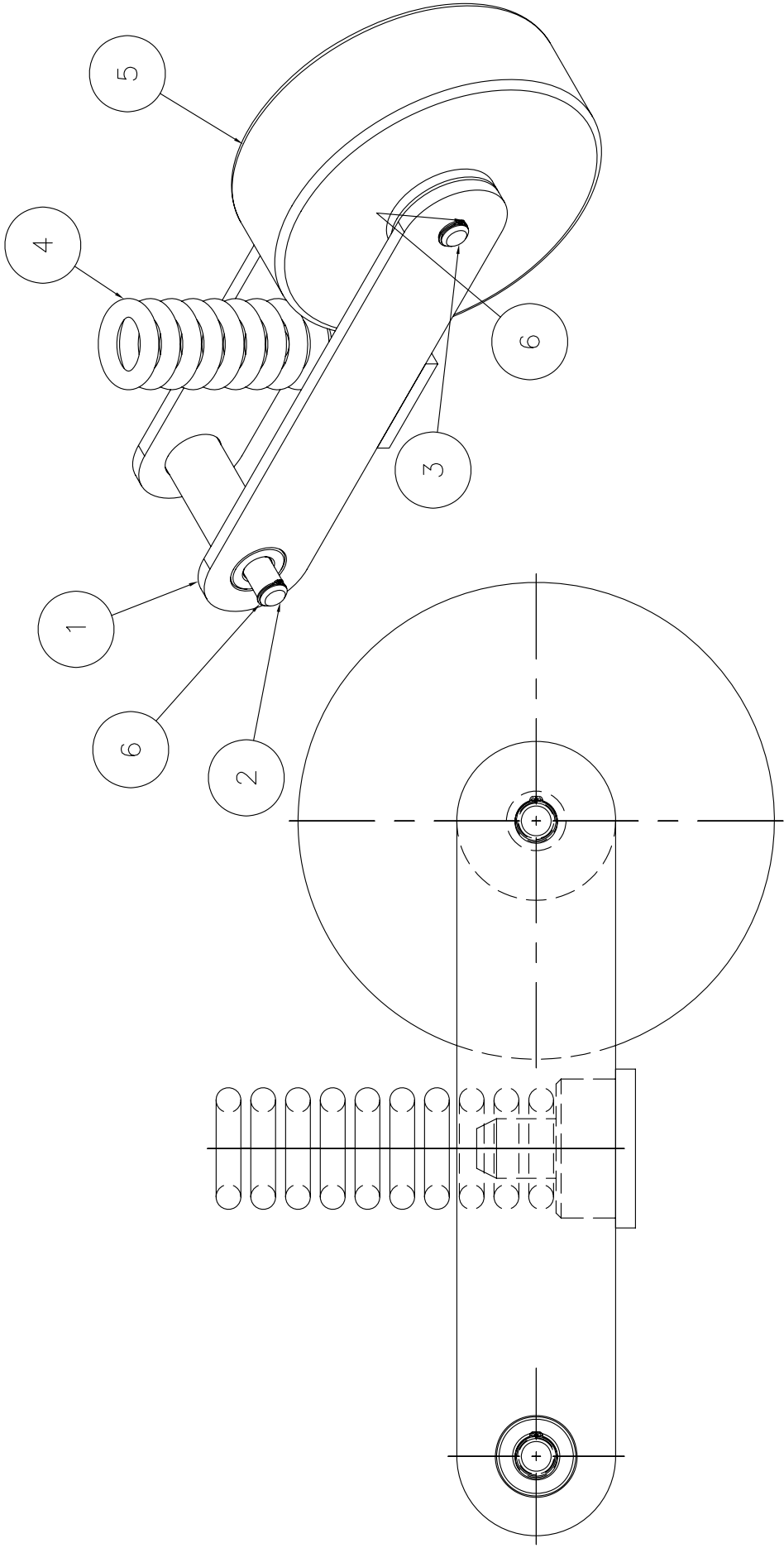
ITEM	NAME	TOLERANCES: ANGULAR ± .030 DECIMAL ± .005 0.XX 0.XXX	MP-0400-A-014 & 015	MP-0400-A-012 & 013	MP-0400-A-010 & 011	FILE NAME MP-0400-A-004.dwg	NOTES: 1. REMOVE ALL SHARP CORNERS & EDGES. 2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS. 3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.	NOTICE OF CONFIDENTIAL INFORMATION INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD. IT IS TO BE KEPT SECRET AND NOT DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION OF MOHAWK RESOURCES LTD. FOR REPAIR, MAINTENANCE, OR MAINTENANCE. THE INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.
10	Cartridge Valve (100% Lowering)							
9	Cartridge Valve w/ Override (50% Lowering)							
8	Coil, 120 VAC							
7	Connector, 1/2 NPT, 1 1/2"-5/8" Cable (Brown)							
6	90 Deg Swivel, 1/4 NPT to 1/4 Tube							
5	Hydraulic Fluid Additive 0.02 Bottles							
4	Tamper-Proof Sealant 0.05 Tubes							
3	Hydraulic Fluid, 3.25 Gallons							
2	Breather Cap Ref (from item 1)							
1	Power Unit							
ITEM	NAME	TOLERANCES: ANGULAR ± .030 DECIMAL ± .005 0.XX 0.XXX	MP-0400-A-014 & 015	MP-0400-A-012 & 013	MP-0400-A-010 & 011	FILE NAME MP-0400-A-004.dwg	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.	NOTICE OF CONFIDENTIAL INFORMATION INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD. IT IS TO BE KEPT SECRET AND NOT DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION OF MOHAWK RESOURCES LTD. FOR REPAIR, MAINTENANCE, OR MAINTENANCE. THE INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.

C-SIZE

NOTES:	NOTICE OF CONFIDENTIAL INFORMATION	NOTES:	NOTICE OF CONFIDENTIAL INFORMATION
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.	INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD. IT IS TO BE KEPT SECRET AND NOT DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION OF MOHAWK RESOURCES LTD. FOR REPAIR, MAINTENANCE, OR MAINTENANCE. THE INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.	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.	INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD. IT IS TO BE KEPT SECRET AND NOT DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION OF MOHAWK RESOURCES LTD. FOR REPAIR, MAINTENANCE, OR MAINTENANCE. THE INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.

SCALE	DRAWN	MOHAWK RESOURCES LTD.
3/8	rwv7089	
CHECKED	APPROVED	TITLE
		Mobile Post P.U. Assy, 230/460 VAC, 3PH
DATE	WEIGHT	DRAWING NUMBER
7-28-2005	75	MP-0400-A-004
FROM	LB.	
n/a		

#	DESCRIPTION	DATE	APPROVED
A	1) VIEWS UPDATED	08/30/2005	dak0879
	2) WT WAS 7.92		



6	600-870-003	Snap Ring, Externdl, 1/2	4
5	600-920-018	Wheel, 6" Dia x 1/2 ID x 2 3/16 Hub	1
4	600-840-025	Spring, 4.25 Lg x 1.531 OD x .907 ID	1
3	MP-0500-P-006	Roller Axle Pin	1
2	MP-0500-P-005	Pivot Pin	1
1	MP-0500-W-001	Roller Pivot Weldment	1
ITEM	NAME	DESCRIPTION	QTY
Parts List			

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-70TT CODE 5.3 FLUX CORE WIRE ONLY.

FILE NAME
MP-0500-A-001.dwg

SCALE
1"0"=1'0"

DRAWN
rw7089

CHECKED

DATE
07/26/2004

WEIGHT
7.84

FROM
N/A

DRAWING NUMBER
MP-0500-A-001

MOHAWK RESOURCES LTD.

TITLE
Mobile Post Lift Floor Roller Assembly

NOTICE OF CONFIDENTIAL INFORMATION

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(QTY 2)

13

5

9

11

12

7

13

(QTY 1)

LOCK PIVOT
WELDMENT ON
POST, REF

1

2

5

14

3

11

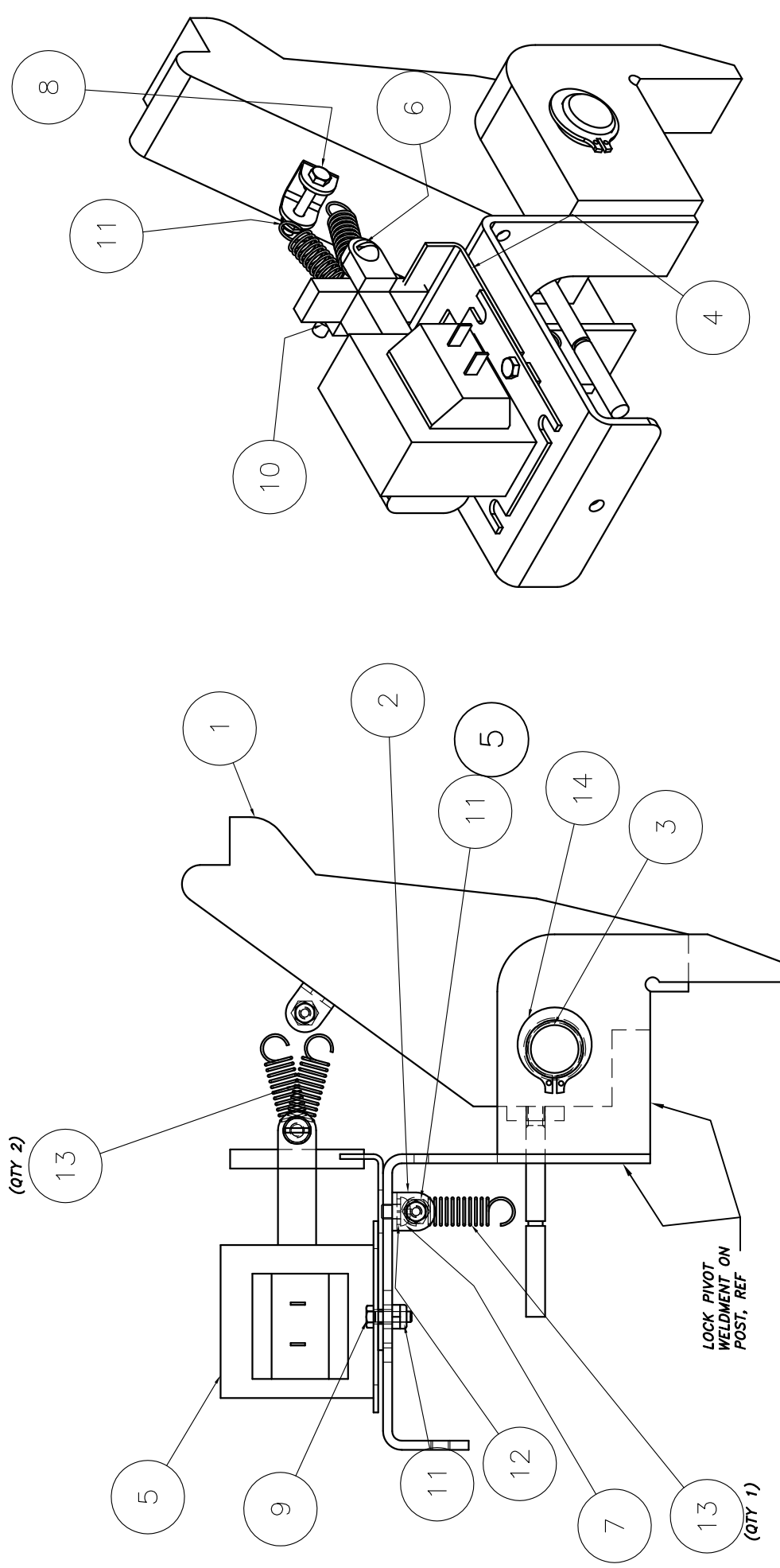
8

11

10

6

4



14	600-870-005	Snap Ring, 0.693 ID	2		0.006
13	600-840-026	Spring, Extension, 1" Lg	3		0.003
12	600-720-009	Washer, Lock, #10	1		0.001
11	600-690-026	Nut, Nylon Lock, #6-32 NC	4		0.003
10	600-690-019	Nut, Nylon Lock, #10-32 NF	1		0.003
9	600-600-020	Hex Head Machine Screw, #6-32NC x 1/2 Long	2		0.004
8	600-600-019	Screw, Hex Head Machine, #6-32NC x 1" Long	2		0.006
7	600-600-013	Screw, Slotted Round Head Machine, #10-32 x 1/4"	1		0.006
6	600-600-008	Screw, Slotted Round Head, #10-32 NF x 1 1/2	1		0.010
5	601-160-170	Lock Release Solenoid, 120 VAC, Heavy Duty	1		1.600
4	MP-0600-P-007	Solenoid Stop Tab	1	600-030-	0.050
3	MP-0600-P-004	Lock Pivot Pin	1	600-090-005	0.512
2	MP-0600-P-003	Spring Clip	1	600-030-001	0.043
1	MP-0600-W-003	Lock Weldment	1		5.261

C-SIZE

NOTICE OF CONFIDENTIAL INFORMATION

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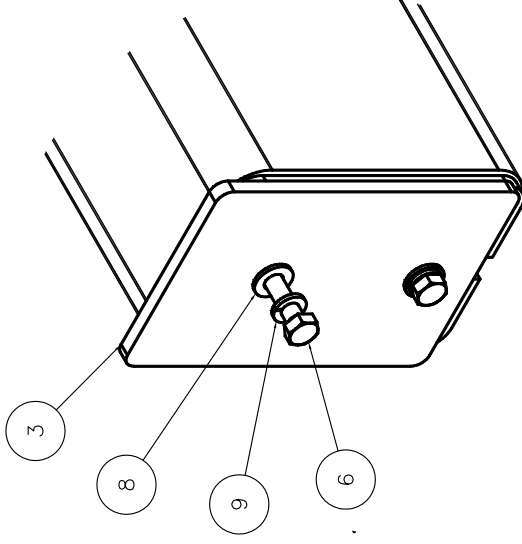
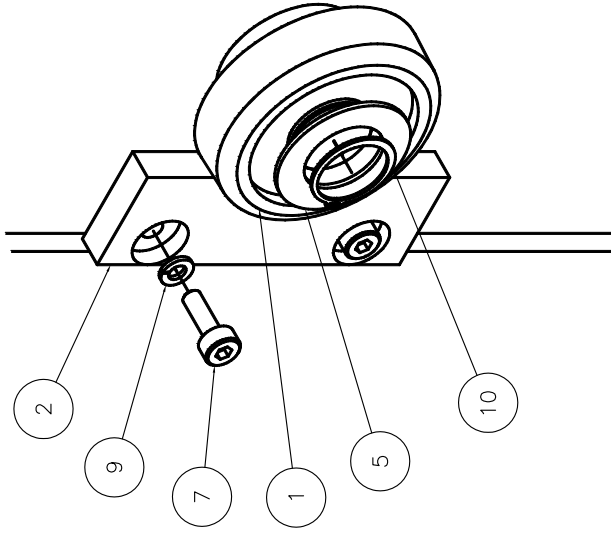
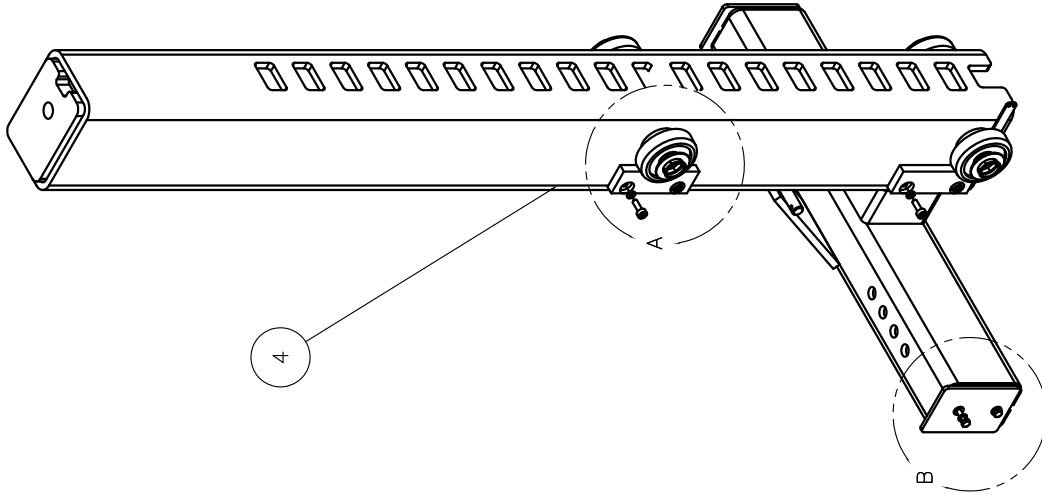
- NOTES:
1. REMOVE ALL SHARP CORNERS & EDGES.
 2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
 3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:	
ANGULAR	± 1°
LINEAR	± .030
DECIMAL	± .005
XXX	± .005
FILE NAME	MP-0600-A-002

SCALE	FULL
CHECKED	
DATE	4/17/17
NEXT ASSEMBLY	

DRAWN	G.GORE
APPROVED	
WEIGHT	7.5 LB.
FROM	n/a

TITLE	Mobile Post Lift Lock Assembly
DRAWING NUMBER	MP-0600-A-002



DETAIL A

DETAIL B

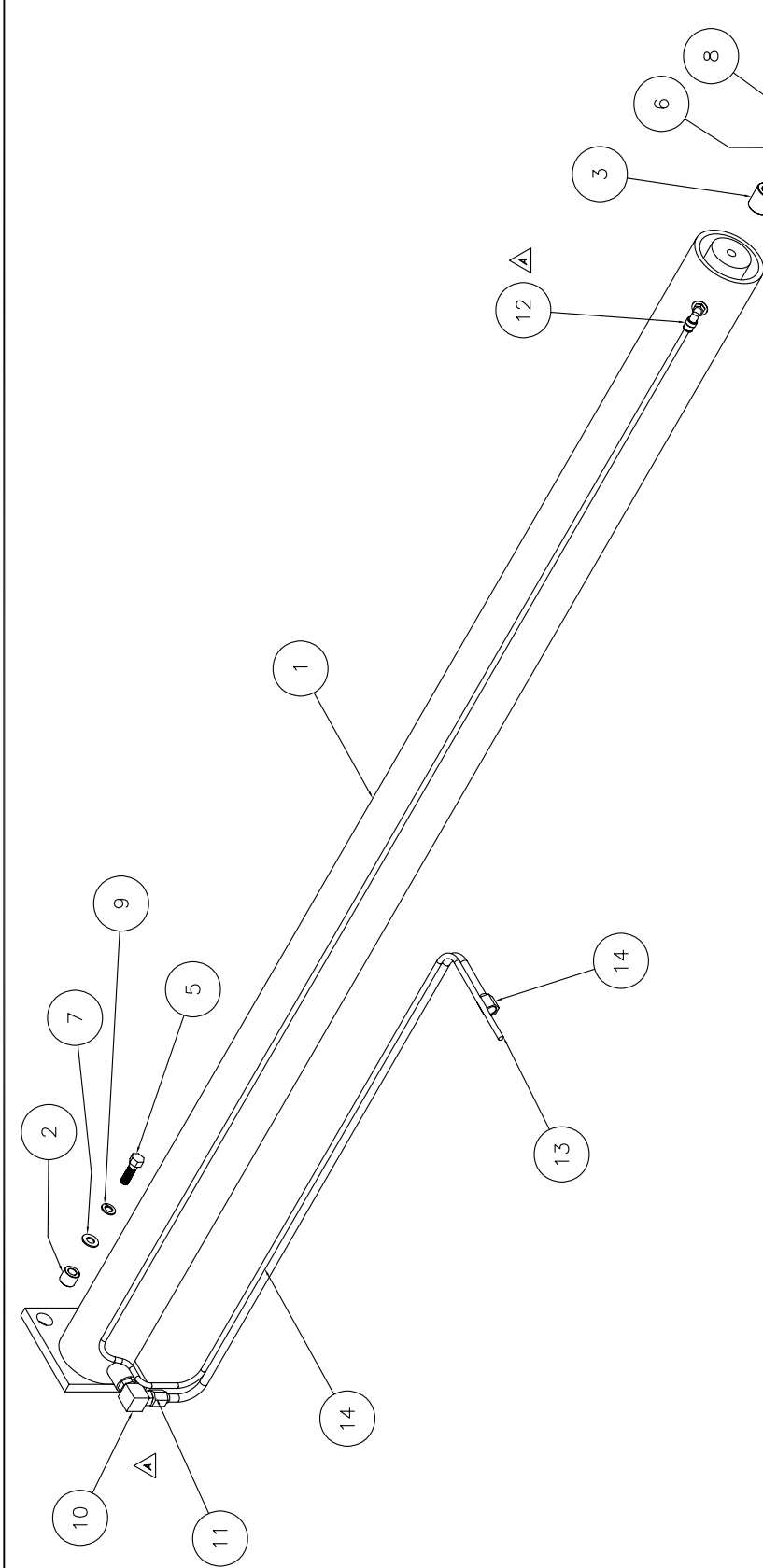
ITEM	NAME	DESCRIPTION	QTY	MATERIAL	NOTE	MASS
10	600-870-001	Snap Ring, 1 3/8 Shaft	4			0.010
9	600-720-002	Washer, Lock, 5/16	12			0.004
8	600-710-003	Washer, Flat, 5/16	4			0.005
7	600-650-016	Socket Cap Screw, 5/16-18 NC x 1" Lg	8			0.040
6	600-640-017	Bolt, Hex Head, 5/16-18 NC x 1 1/4" Lg (Gr 5)	4			0.040
5	007-007-178	Washer	4	600-030-018	13 Ga or UHMW Plastic	0.089
4	MP-0700-W-004	Carriage Weldment	1			343.170
3	MP-0700-P-016	Tube End Stop	2	600-010-028	1/4 Thk x 4" x 6"	1.680
2	MP-0700-P-012	Slide Block, UHMW	4	N/A	5/8 x 2" x 6"	0.230
1	MP-0700-A-002	Carriage Roller Assembly	4			2.830
						MASS
NOTICE OF CONFIDENTIAL INFORMATION			SCALE 1/0"=1'0"			MOHAWK RESOURCES LTD.
NOTES: 1. FINISH ALL SURF GRINDS & REES. 2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS. 3. WELDING MEDIUM SHALL CONFORM TO AWS E-7011 CODE S3 FLUX CURE WIRE ONLY. E-7011 CODE S3 FLUX CURE WIRE ONLY.			TOLERANCES: 1. 1.5 2. 3.30 3. .005 4. .005 5. .005 6. .005 7. .005 8. .005 9. .005 10. .005			MOBILE POST LIFT
			DRAWN G.ORE			APPROVED
			CHECKED			DATE 10/14/17
			NEXT ASSEMBLY			FROM 10/14/17
			WEIGHT 322.2 LB			MASS 2.830
			DRAWING NUMBER MP-0700-A-004			



DETAIL B

D-SIZE

#	DESCRIPTION	DATE	APPROVED
A	Item 12 was 601-520-003	03/01/2005	rw77089
B	Item 10 was at 45 Degrees		
	Items 13, 14, 15 & 16 Added	07/06/2005	rw77089



15
USE TO SECURE BLACK
TUBING TO CYLINDER BARREL
(NOT SHOWN)

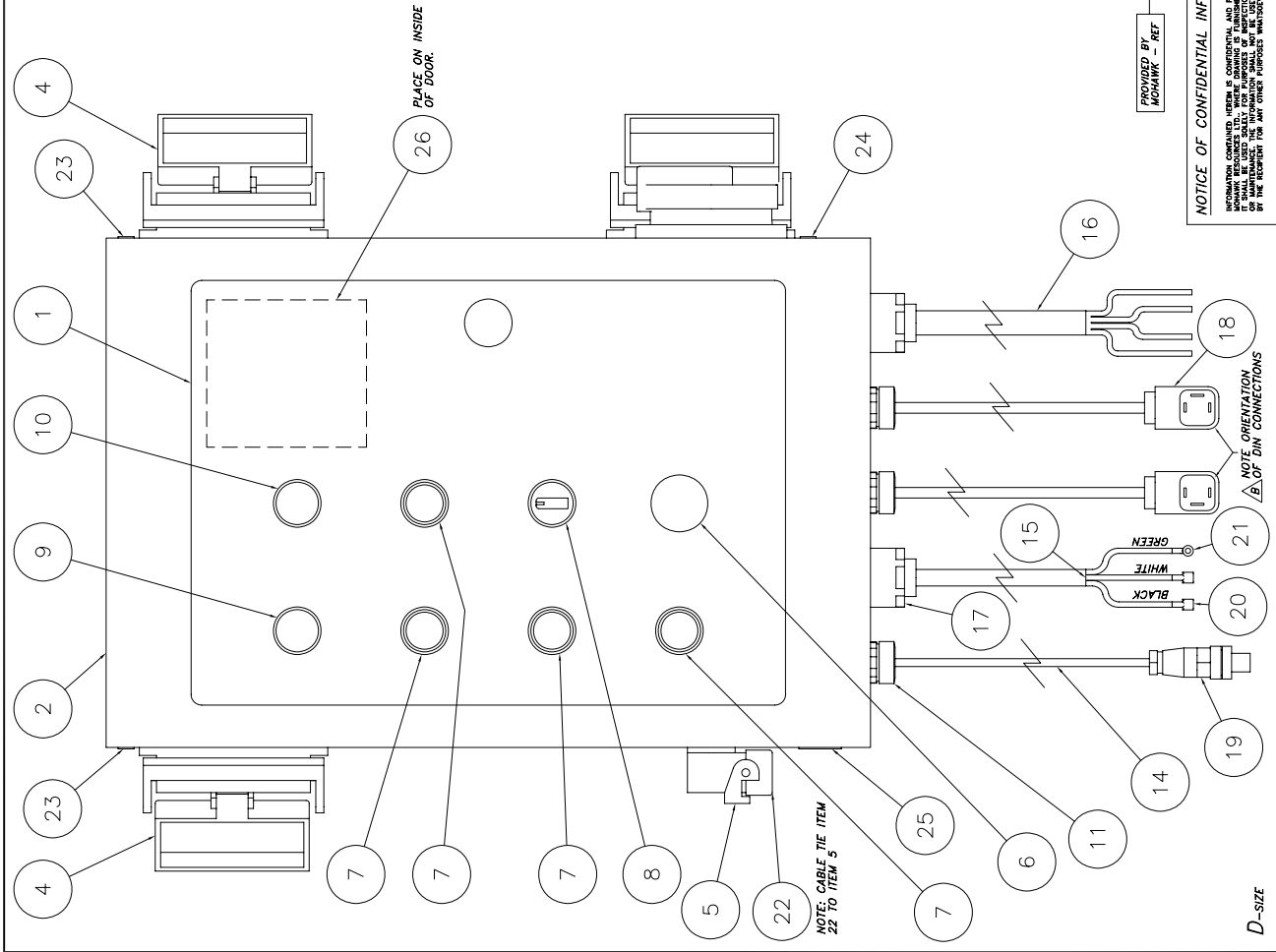
16
USE TO SECURE BLACK
TUBING TO HYDRAULIC LINE
(NOT SHOWN)

ITEM	NAME	DESCRIPTION	QTY
16	601-600-029	Pull Tie, Black, 8 1/2" Long	6
15	601-600-021	Pull Tie, Black, 15" Long	4
14	MP-1200-A-002	Tube Assembly	1
13	MP-0900-P-401	Tubing, Black Plastic, 1/4" x 115" Long	1
12	601-520-002	90° Elbow Swiv, 1/8 NPT To 1/4 Tube	1
11	601-420-019	Straight, #6 ORB to #6 JIC	1
10	601-410-073	Velocity Fuse, 5 GPM	1
9	600-720-011	Washer, Lock, 3/8	2
8	600-720-005	Washer, Lock, 1/2	1
7	600-710-009	Washer, Flat, 3/8	2
6	600-710-008	Washer, Flat, 1/2	2
5	600-640-095	Bolt, Hex Head, 3/8-16 NC x 1 1/4 (GR8)	2
4	600-640-030	Bolt, Hex Head, 1/2-13 NC x 2" (GR8)	1
3	MP-0900-P-003	Cylinder Rod Bushing	1
2	MP-0900-P-002	Cylinder Base Bushing	2
1	MP-0900-P-001	Cylinder Assembly, Purchased	1

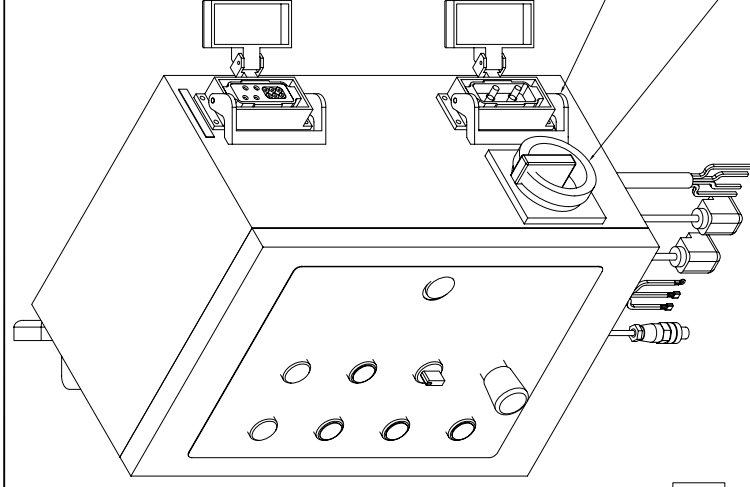
SCALE	DRAWN	MOHAWK RESOURCES LTD.
1/2" = 1'0"	rw77089	
CHECKED	APPROVED	TITLE
		Mobile Post Lift
		Cylinder Assembly
DATE	WEIGHT	FINISH
07/06/2004	120	1/2
FILE NAME	DRIVING NUMBER	
MP-0900-A-001.dwg	MP-0900-A-001	

NOTES	TOLERANCES
1. FINISH ALL SHARP CORNERS & EDGES. 2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH SHALL CONFORM TO AMS 2654. 3. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 4. WELDING SHALL BE DONE IN ACCORDANCE WITH E-7011 CODE S3 FLUX CURE WIRE ONLY.	FINISH TOL. ± .030 DIM. TOL. ± .005 HOLE DIA. ± .005

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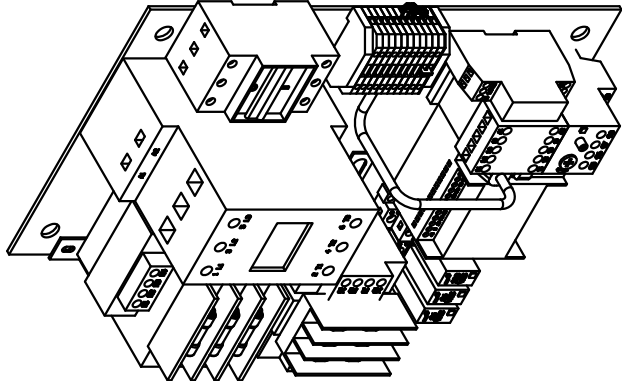
#	DESCRIPTION	DATE	APPROVED
A	Items 20 & 21 & 22 Added	07/13/2005	rw7089
B	DIN Orientation Note Added	09/20/2005	rw7089
C	Items 23, 24, 25 & 26 Added	10/17/2005	rw7089



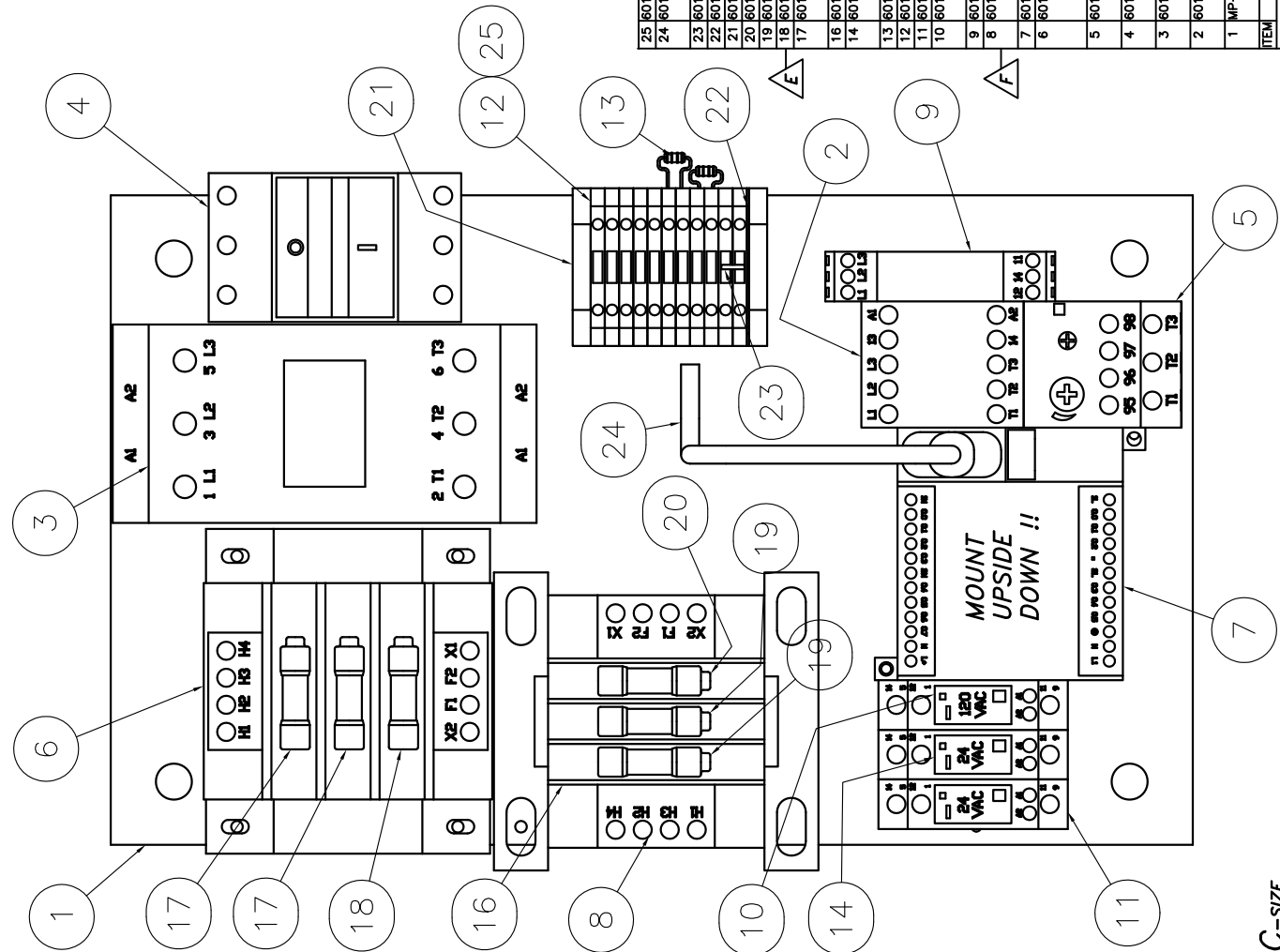
ITEM	NAME	DESCRIPTION	QTY	MATERIAL	NOTE	MASS
20	601-800-216	Decal, "Fuse Replacement..." for Mobile Post Lifts	1	3.75 x 3.75	0.001	
25	601-800-224	Decal, "Hard Pendant Receptacle..."	1	1" x 3"	0.000	
24	601-800-222	Decal, "POWER"	1	3/8 x 2 1/2	0.000	
23	601-800-221	Decal, "COMMUNICATION"	2	3/8 x 2 1/2	0.000	
22	601-160-142	Cover for Female Insert	1		0.070	
21	601-150-081	Ring Terminal, #10 Bolt, 14-16 gauge	1		0.001	
20	601-150-080	Quick Connect Terminal, 0.187 x 0.020, Fully Insulated	2		0.001	
19	601-140-071	Circular Connector, 5 Pin, Male	1		0.100	
18	601-160-154	DIN Cable Assembly w/ 4' Cable	2		0.750	
17	601-140-046	Connector, 1/2 NPT, 1/2"-5/8" Cable	2		2.968	
16	MP-1300-P-404	Cable 14/4 SOW-A/50 x 4 Foot	1	601-150-037	0.840	
15	MP-1300-P-403	Cable 16/3 SOW-A/50 x 5 Feet	1	601-150-061	0.325	
14	MP-1300-P-402	Cable, Shielded, 6/24 x 7 Feet	1	601-140-070	1.000	
13	MP-1300-P-401	Wire Ducting, 1/2 Square x 12 Long	1		1.000	
12	601-110-053	Indicator Switch, Rotary Style, 10A	3		1.000	
11	601-185-053	Straight Adapter	3		0.150	
10	601-160-150	Indicator Light, Green LED, 22mm	1		0.106	
9	601-160-149	Indicator Light, Red LED, 22mm	1		0.106	
8	601-110-056	Rotary Switch, 3 Position, Return to Center, 22mm	1		0.106	
7	601-110-055	Push Button, Green, 22mm	4		0.106	
6	601-110-054	E-Stop Button, Push & Turn, 22mm	1		0.106	
5	MP-1300-A-009	Pendant Receptacle Assembly	1		0.250	
4	MP-1300-A-008	Communication Receptacle Assembly	2		1.200	
3	MP-1300-A-007	Power Receptacle Assembly	1		1.200	
2	MP-1300-P-002	Master Enclosure Drilling	1		18.400	
1	MP-1300-P-001	Control Decal	1	10" x 14"	0.100	

NOTICE OF CONFIDENTIAL INFORMATION		Parts List		MOHAWK RESOURCES LTD.	
NOTES: 1. PROVIDE ALL SQUARE CORNERS & EDGES. 2. FINISH TO BE 125 RMS. 3. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 4. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 5. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 6. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 7. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 8. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 9. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 10. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 11. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 12. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 13. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 14. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 15. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 16. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 17. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 18. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 19. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 20. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 21. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 22. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 23. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 24. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 25. WELDING MEDIUM SHALL CONFORM TO AWS D1.1. 26. WELDING MEDIUM SHALL CONFORM TO AWS D1.1.		SCALE: 1/8" = 1'-0"		DRAWING NUMBER: MP-1300-A-003	
INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD. IT SHALL BE USED ONLY FOR THE PURPOSES OF THE ORDER AND NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.		CHECKED: [Signature]		APPROVED: [Signature]	
FILE NAME: MP-1300-A-003.dwg		DATE: 07/13/2004		TITLE: Mobile Post Lift Master Enclosure Box Assembly	
DRAWN BY: [Signature]		WEIGHT: 26.5 LB.		DIN: N/A	
NEXT ASSEMBLY:		QTY: 1		MASS: 18.400	

#	DESCRIPTION	DATE	APPROVED
E	ITEM 20 WAS 601-120-120	07/05/2012	G.GORE
F	ITEM 8 WAS 601-160-128	10/22/2014	G.GORE



MASTER



ITEM	NAME	DESCRIPTION	QTY	MATERIAL	VENDOR	NOTE	MASS	PRICE
25	601-160-162	Terminal Markers	0					
24	601-160-163	DB-9 (8-pin) Connector (Female to Female) Straight Feed Thru	1		Automation Direct #DN-LAB			0.000
23	601-160-161	2-Pole Jumper Bar, for Terminal Block	1		Automation Direct #DN-2J12			0.000
22	601-160-160	End Cover, for Terminal Block	1		Automation Direct #DN-EC1210			0.035
21	601-160-158	End Barrier, Terminal Block	2		Automation Direct #DN-EB35			0.035
20	601-120-120	Fuse, Class CC, Time Delay, 6 AMP, 600 V	1		Litelfuse KLD R 6			0.050
19	601-120-041	Fuse, Class CC, Time Delay, 1 AMP, 600 V	2		Litelfuse KLD R 1			0.050
18	601-120-096	Fuse, Class CC, Time Delay, 2 AMP, 600 V	1		Ferraz Shawmut ATDR 2			0.050
17	601-120-097	Fuse, Class CC, Time Delay, 3 1/2 AMP, 600 V	2		Ferraz Shawmut ATDR 3 1/2			0.050
16	601-120-095	Fuse Block, Triple	1		Acme #PL-79923			0.200
14	601-160-145	Relay, Miniature, SPDT, 15 A, 24 VAC Coil, LED w/Bypass	2		Eaton #D1PFIAT (alt: Siemens #3TX7110-5C13)			0.100
13	601-160-152	Resistor, 1.5 kOhm	2		Newark #10N567			0.000
12	601-160-159	Screw Terminal Block, Gray, 35mm, 2 Pole	11		Automation Direct #DN-T12			0.035
11	601-160-146	Relay Socket, Screw Terminal	3		Siemens #3TX7144-1E7			0.150
10	601-160-144	Relay, Miniature, SPDT, 15 A, 120 VAC Coil, LED w/Bypass	1		Eaton #D1PFIAT (alt: Siemens #3TX7110-5C13)			0.100
9	601-160-143	Phase Monitoring Relay (for 177-550 VAC) Transformer, 150 VA, 240-480 Prim, 24 VAC Second	1		Carlo Gavazzi #DPA-51-C-M44			0.140
8	601-160-227	PLC, AC/DC/RELAY	1		ACME #CE03-0150			6.500
7	601-160-127	Transformer, 250 VA/50/60 Hz, Prim:230/460/575, Sec:90-120w/ Triple Fuse Blocks	1		Siemens #212-1B822-0XB0			0.590
6	601-160-165	IEC Contactor, 90 Amp, 25HP@230VAC, 24 VAC Coil	1		ACME #AE12-0250-F3			9.590
5	601-120-105	IEC Overload Relay, 9-13 AMP	1		Carlo Gavazzi #GT32S13A (was #CG1-22-13)			0.268
4	601-120-092	Circuit Breaker, 3 Pole, 16 Amp, C-CURVE	1		Eaton #NMZ3C16 (was Siemens #5SX2316-7)			0.856
3	601-100-083	IEC Contactor, 90 Amp, 25HP@230VAC, 24 VAC Coil	1		Carlo Gavazzi #CGC-75A-24	(3D Model Approx)		3.656
2	601-100-082	IEC Contactor, 120 VAC Coil, 3 HP, 230 V, 3 Ph	1		Carlo Gavazzi #CC-12SA-120 (was #CGC-12A-120)	(3D Model Approx)		0.419
1	MP-1300-P-003	Panel Drilling	1		Saginaw #SCE-18128ELJ Custom 1/8" x 9" x 15"			3.469

NOTES:

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

FILE NAME: MP-1300-A-004.dwg

DATE: 07/23/2004

WEIGHT: 22.1 LB.

FROM: N/A

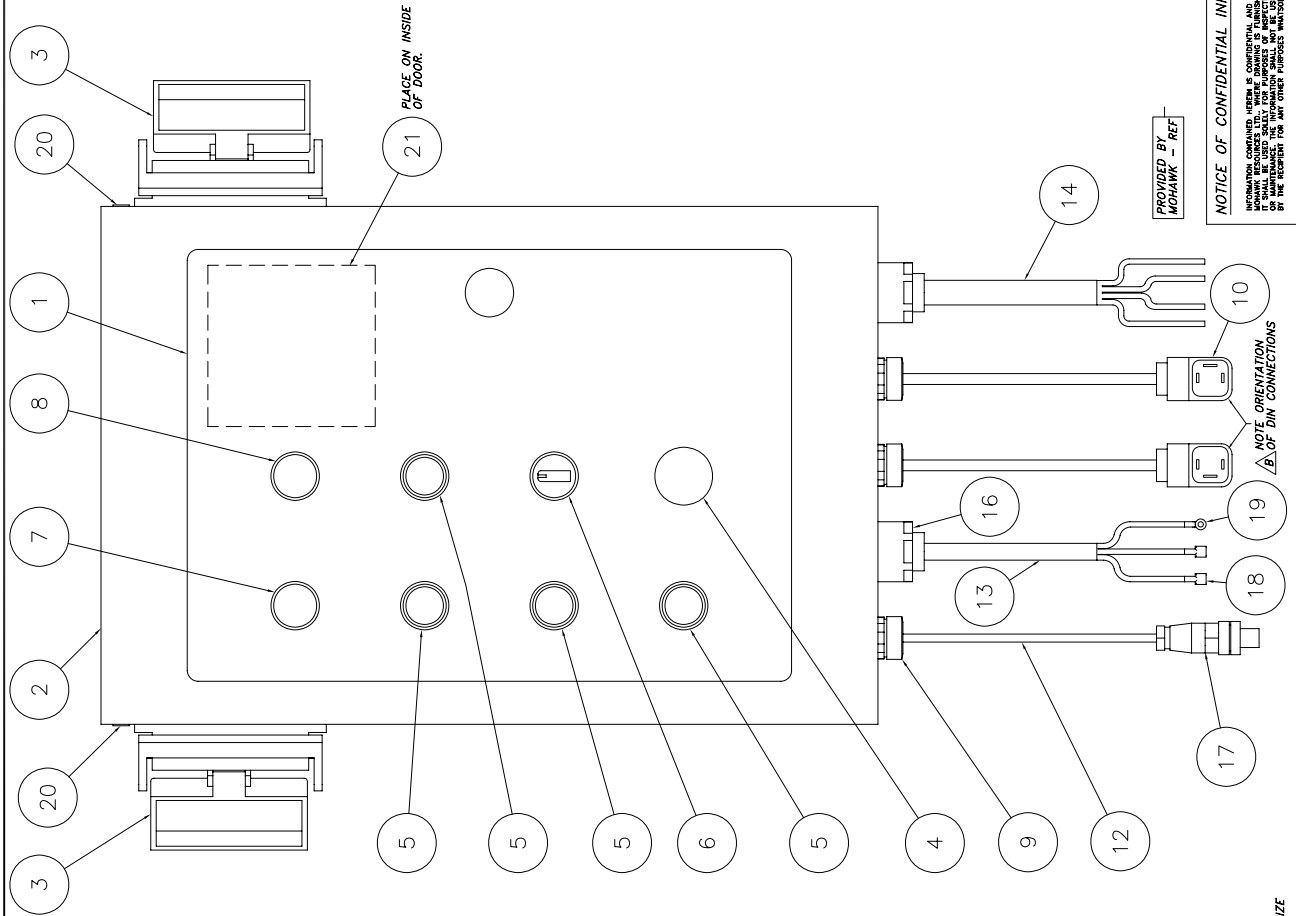
DRAWING NUMBER: MP-1300-A-004

SCALE: 1" = 1'-0"

CHECKED: APPROVED: DRAWN: rww7089

MOHAWK RESOURCES LTD.

TITLE: Mobile Post Lift Master Panel Assembly



SLAVE

11

(NOT SHOWN)



#	DESCRIPTION	DATE	APPROVED
A	Items 18 & 19 Added	07/14/2005	rw/7089
B	DIN Orientation Note Added	08/20/2005	rw/7089
C	Items 20 & 21 Added	10/17/2005	rw/7089

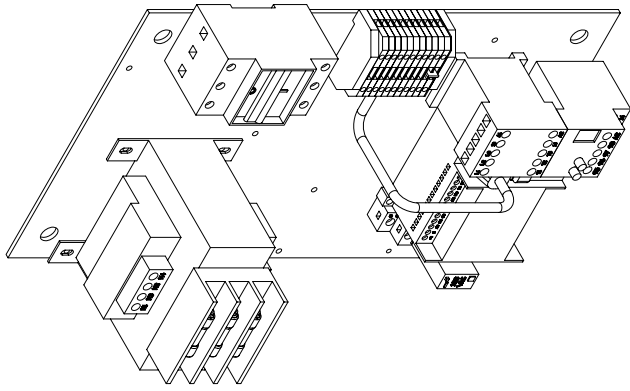
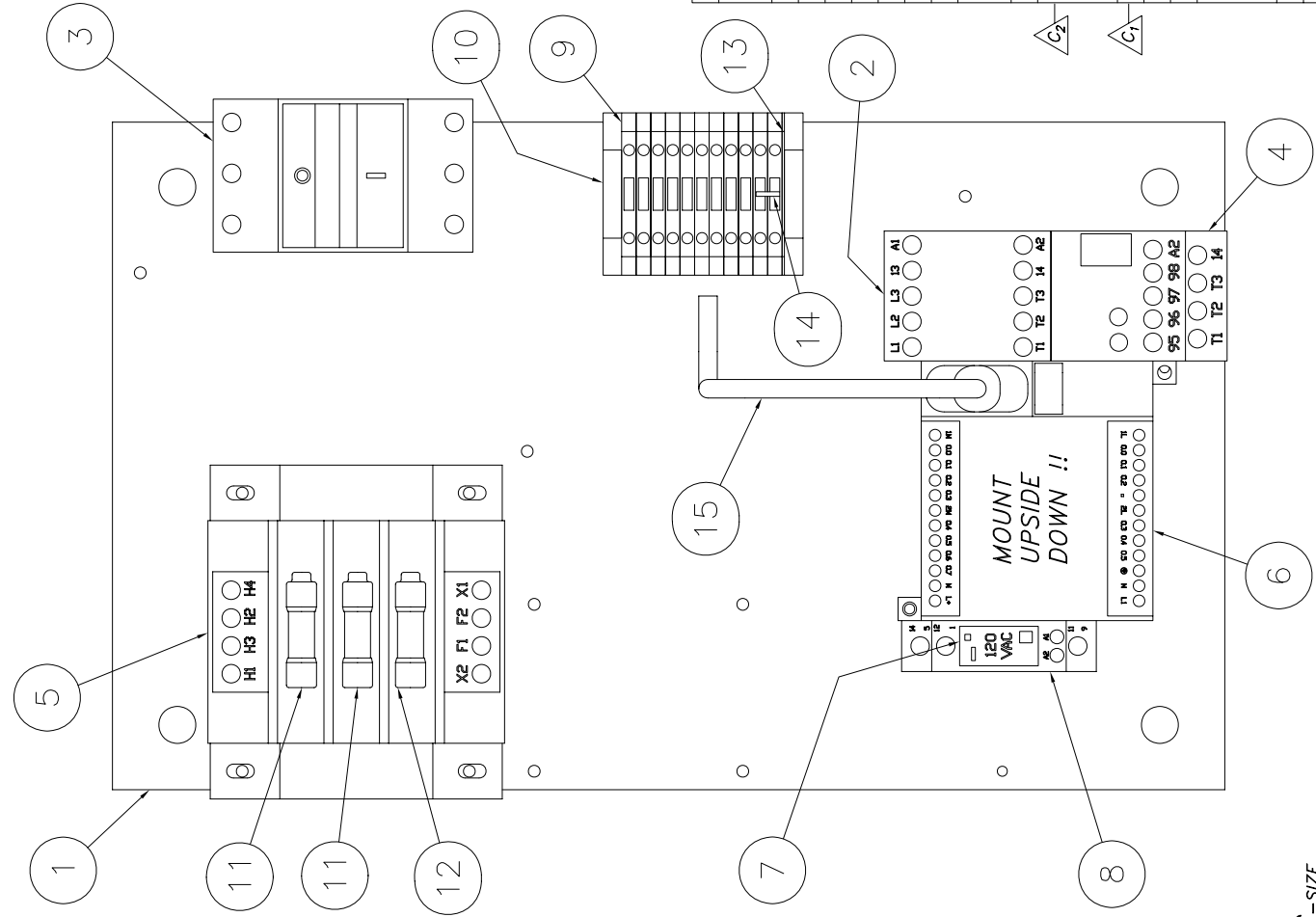
ITEM	NAME	DESCRIPTION	QTY	MATERIAL	NOTE
21	601-800-216	Decal, "Fuse Replacement..." for Mobile Post Lifts	1		3.75 x 3.75
20	601-800-221	Decal, "COMMUNICATION"	2		3/8 x 2 1/2
19	601-150-081	Ring Terminal, #10 Bolt, 14-16 gauge	1		0.000
18	601-150-080	Quick Connect Terminal, 0.187 x 0.020, Fully Insulated	2		0.001
17	601-140-071	Circular Connector, 5 Pin, Male	1		0.100
16	601-140-046	Connector, 1/2 NPT, 1/2"-5/8" Cable	2		2.968
14	MP-1300-P-404	Cable 14/4 SOW-A/SO x 4 Feet	1	601-150-037	0.840
13	MP-1300-P-403	Cable, 16/3 SOW-A/SO x 5 Feet	1	601-150-061	0.525
12	MP-1300-P-402	Cable, Shielded, 6/24 x 7 Feet	1	601-150-060	0.500
11	MP-1300-P-401	Wire Ducting, 1" Square x 12" Long	1	601-140-070	1.000
10	601-160-154	DIN Cable Assembly w/ 4" Cable	2		0.750
9	601-165-053	Straight Adapter	3		0.150
8	601-160-150	Indicator Light, Red LED, 22mm	1		0.106
7	601-160-149	Indicator Light, Red LED, 22mm	1		0.106
6	601-110-056	Rotary Switch, 3 Position, Return to Center, 22mm	1		0.106
5	601-110-055	Push Button, Green, 22mm	4		0.106
4	601-110-054	E-Stop Button, Push & Turn, 22mm	1		0.106
3	MP-1300-A-008	Communication Receptacle Assembly	2		1.200
2	MP-1300-P-004	Slave Enclosure Drilling	1		18.400
1	MP-1300-P-001	Control Decal	1		10" x 14"

Parts List			
SCALE	10" = 10"	DRAWN	MOHAWK RESOURCES LTD.
CHECKED	DATE	APPROVED	TITLE
07/23/2004	07/23/2004	07/23/2004	Mobile Post Lift Slave Enclosure Box Assembly
WEIGHT	24	LB	MP-1300-A-012
FILE NAME	MP-1300-A-012.dwg	FILE NAME	MP-1300-A-012
FILE NAME	MP-1300-A-012.dwg	FILE NAME	MP-1300-A-012

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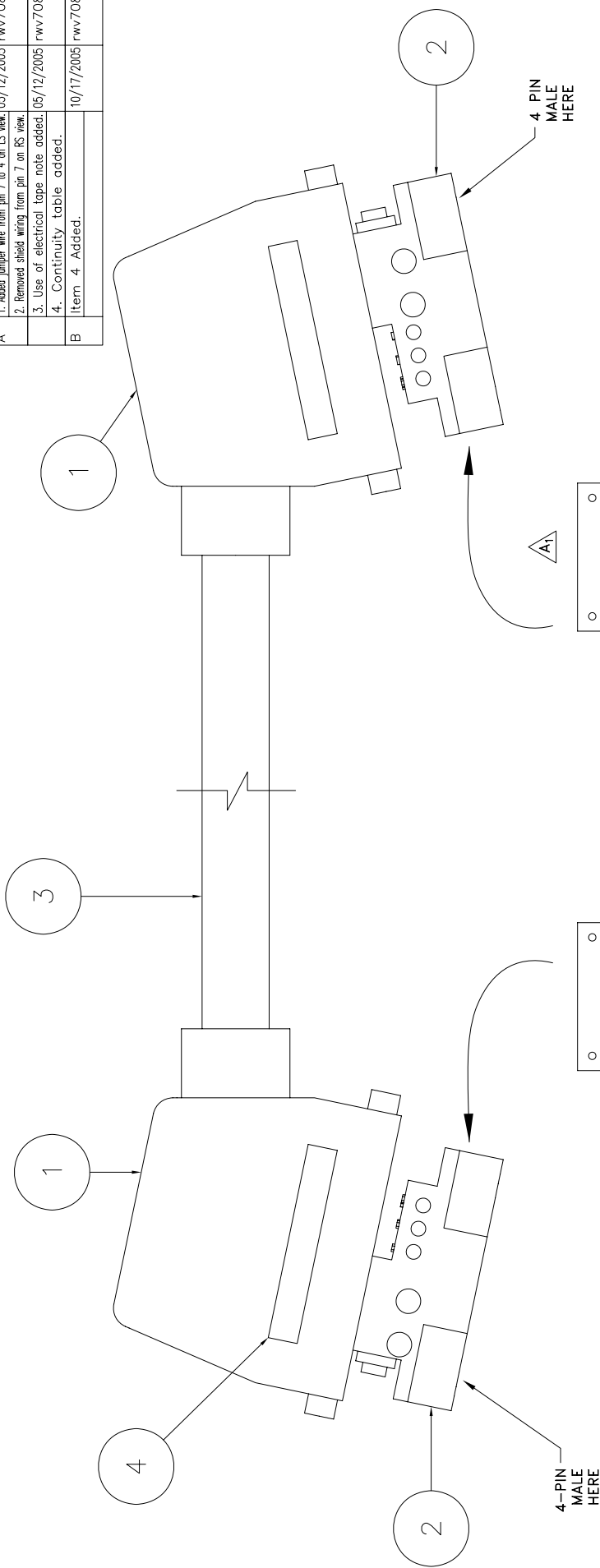
PROVIDED BY
 MOHAWK - REF

D-SIZE



<p>NOTICE OF CONFIDENTIAL INFORMATION</p> <p>INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD.. WHERE DRAWING IS FURNISHED TO OTHERS IT SHALL BE USED SOLELY FOR PURPOSES OF INSPECTION, INSTALLATION, OR MAINTENANCE. THE INFORMATION SHALL NOT BE REPRODUCED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.</p>		<p>NOTES:</p> <ol style="list-style-type: none"> 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-70TT CODE 5.3 FLUX CORE WIRE ONLY. 		<p>TOLERANCES:</p> <p>ANGULAR ± 1.0° FRACTIONAL ± .030 DIMENAL ± .030 HOLE ± .005</p>		<p>FILE NAME MP-1300-A-013.dwg</p>		<p>SCALE 1"0"=1'0"</p>		<p>DRAWN rwv7089</p>		<p>MOHAWK RESOURCES LTD.</p>	
								<p>CHECKED</p>		<p>APPROVED</p>		<p>TITLE Mobile Post Lift Slave Panel Assembly</p>	
								<p>DATE 11/5/2004</p>		<p>WEIGHT N/A</p>		<p>DRAWING NUMBER MP-1300-A-013</p>	
								<p>NEXT ASSEMBLY</p>		<p>L.B.</p>		<p>△</p>	

#	DESCRIPTION	DATE	APPROVED
A	1. Added jumper wire from pin 7 to 4 on LS view. 2. Removed shield wiring from pin 7 on RS view.	05/12/2005	rwv7089
	3. Use of electrical tape note added.	05/12/2005	rwv7089
B	4. Continuity table added. Item 4 Added.	10/17/2005	rwv7089



CONTINUITY TESTING:

ENSURE CONTINUITY
(AND NON-CONTINUITY
TO THE BELOW TABLE):

LEFT SIDE										RIGHT SIDE									
1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
7	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
8	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
9	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
10	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
G	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

■ = CONTINUITY

□ = NON-CONTINUITY

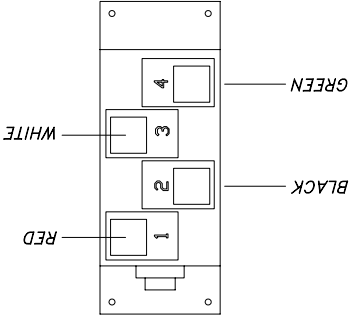
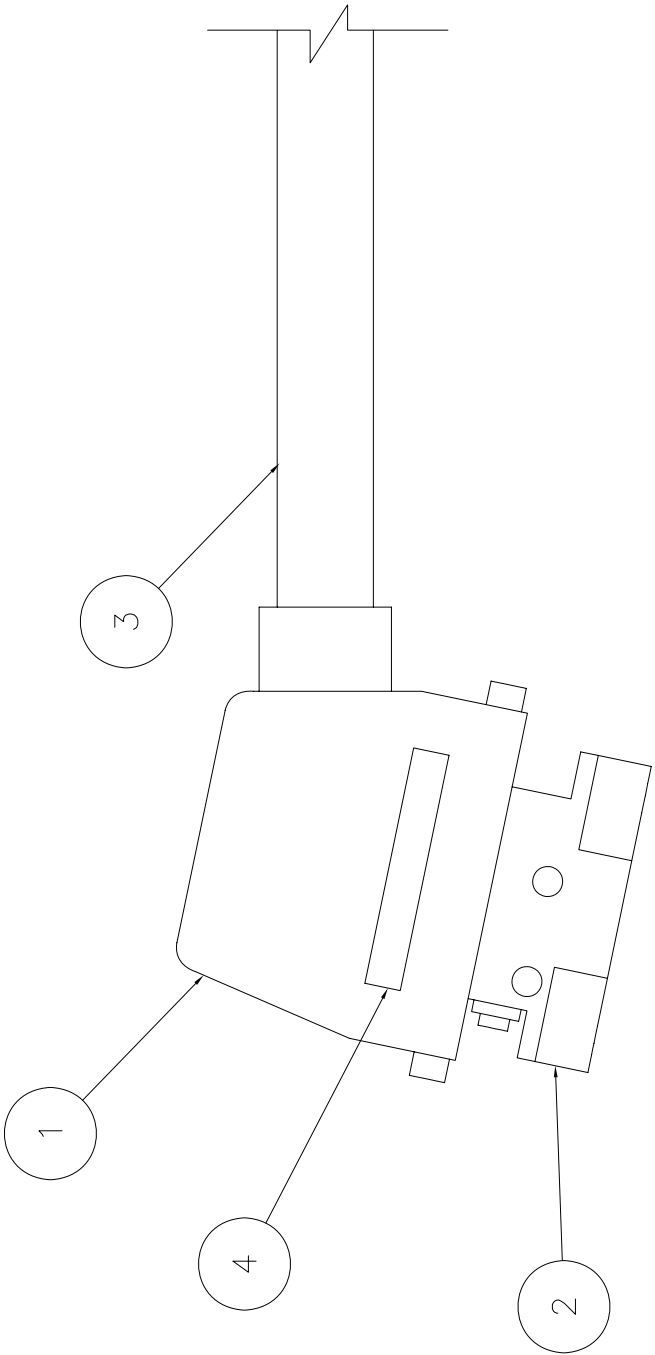
C-SIZE

ITEM	NAME	DESCRIPTION	QTY	MATERIAL	NOTE	MASS
4	601-800-221	Decal, "COMMUNICATION"	2		3/8 x 2 1/2	0.000
3	MP-1300-P-405	Cable, Combo, 10/4 and 16/3pr x 35' Long	1			30.000
2	601-160-136	Plug Insert, Male, 4 Pin & 6 Pin	2			0.230
1	601-160-130	Hood, POWER	2			0.560

Parts List

NOTICE OF CONFIDENTIAL INFORMATION		NOTES:		TOLERANCES		MOHAWK RESOURCES LTD.	
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		2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.		FRACTIONAL ± .030		DRAWN rrw/7089	
		3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-7011 CODE 5.3 FLUX CORE WIRE ONLY.		DECIMAL ± .030		CHECKED	
				DXXX ± .005		APPROVED	
		FILE NAME		MP-		TITLE Mobile Post Lift Communication Cable Assembly	
		MP-1300-A-005.dwg		NEXT ASSEMBLY		FROM N/A	
						WEIGHT 35	
						DATE 07/23/2004	
						DRAWING NUMBER MP-1300-A-005	
						TITLE	
						FROM	
						WEIGHT	
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						35	
						DRAWING NUMBER	
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						TITLE	
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						Communication Cable Assembly	
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						WEIGHT	
						LB.	
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						WEIGHT	
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						TITLE	
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						Communication Cable Assembly	
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						35	
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						MP-1300-A-005	
						TITLE	
		</					

#	DESCRIPTION	DATE	APPROVED
A	Item 4 Added.	10/17/2005	rw7089



4	601-800-222	Decal, "POWER"	1		3/8 x 2 1/2	0.000
3	601-150-075	Conductor, 6/4 SOW-A/50 x FEET	25			
2	601-160-131	Receptacle Insert, Female, 4 Pin, POWER	1			0.230
1	601-160-130	Hood, POWER	1			0.560
ITEM	NAME	DESCRIPTION	QTY	MATERIAL	NOTE	MASS

C-size

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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-70TT CODE 5.3 FLUX CORE WIRE UNLY.

TOLERANCES:

ANGULAR ± 1.0
DIMENSIONAL ± .030
DECIMAL ± .030
0.XX ± .005
0.XXX

SCALE

1" = 1'-0"

DRAWN

rw7089

CHECKED

DATE

07/23/2004

WEIGHT

25

FROM

N/A

MOHAWK RESOURCES LTD.

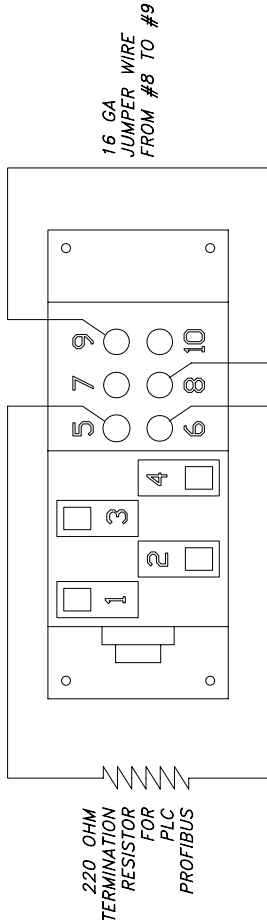
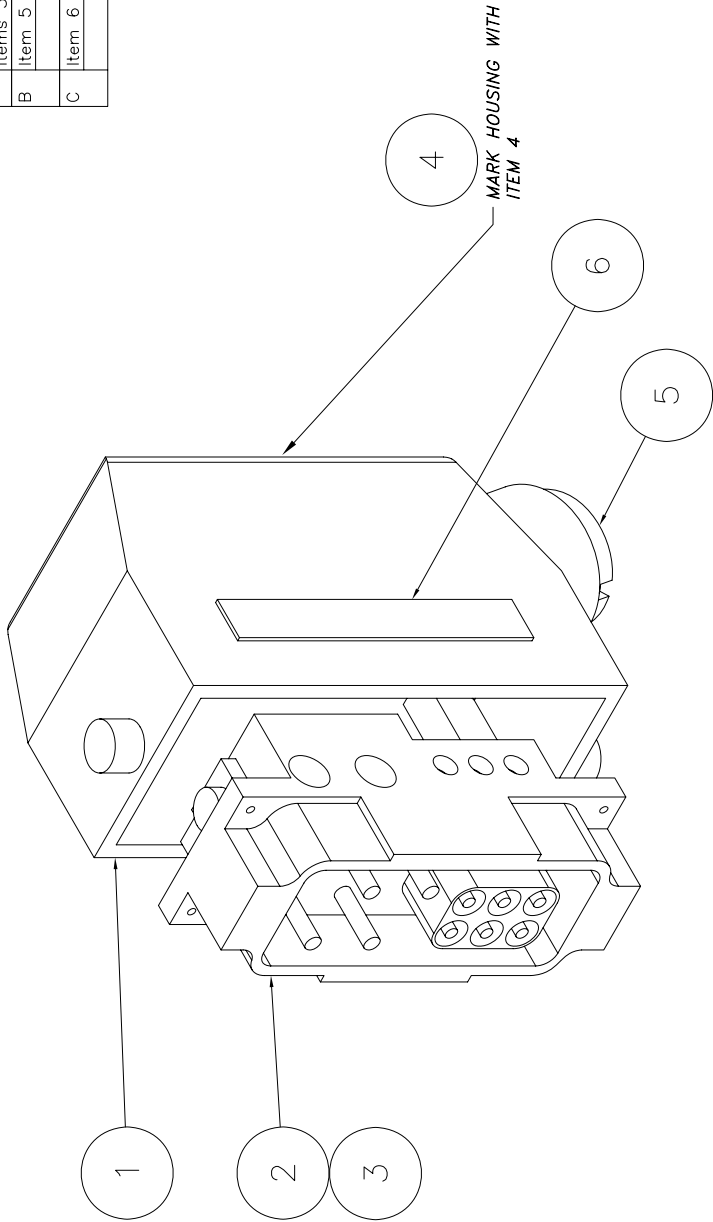
TITLE

Mobile Post Lift Power Cable Assembly

DRAWING NUMBER

MP-1300-A-006

#	DESCRIPTION	DATE	APPROVED
A	Was Named Dummy Plug #1	05/25/2005	rwv7089
	Items 3 & 4 Added.		
B	Item 5 Added	07/13/2005	rwv7089
C	Item 6 Added.	10/17/2005	rwv7089



ITEM	NAME	DESCRIPTION	QTY	MATERIAL	VENDOR	NOTE	MASS	PRICE
6	601-800-221	Decal, "COMMUNICATION"	1			3/8 x 2 1/2	0.000	
5	601-160-164	Hole Plug, M25 x 1 1/2 (For Dummy Plug Hood)	1		Weiland #05.507.4153.0		0.020	
4	601-800-	Decal, Yellow Background with Black "A"	1				0.000	
3	601-160-151	Resistor, 220 Ohm	1		Newark #10N547		0.000	
2	601-160-136	Plug Insert, Male, 4 Pin & 6 Pin	1		Wieland #72.215.1053.0		0.230	
1	601-160-134	Hood, COMMUNICATION	1		Wieland #77.350.1635.0		0.330	

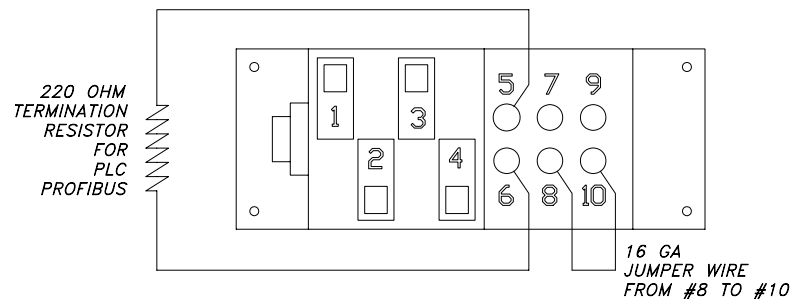
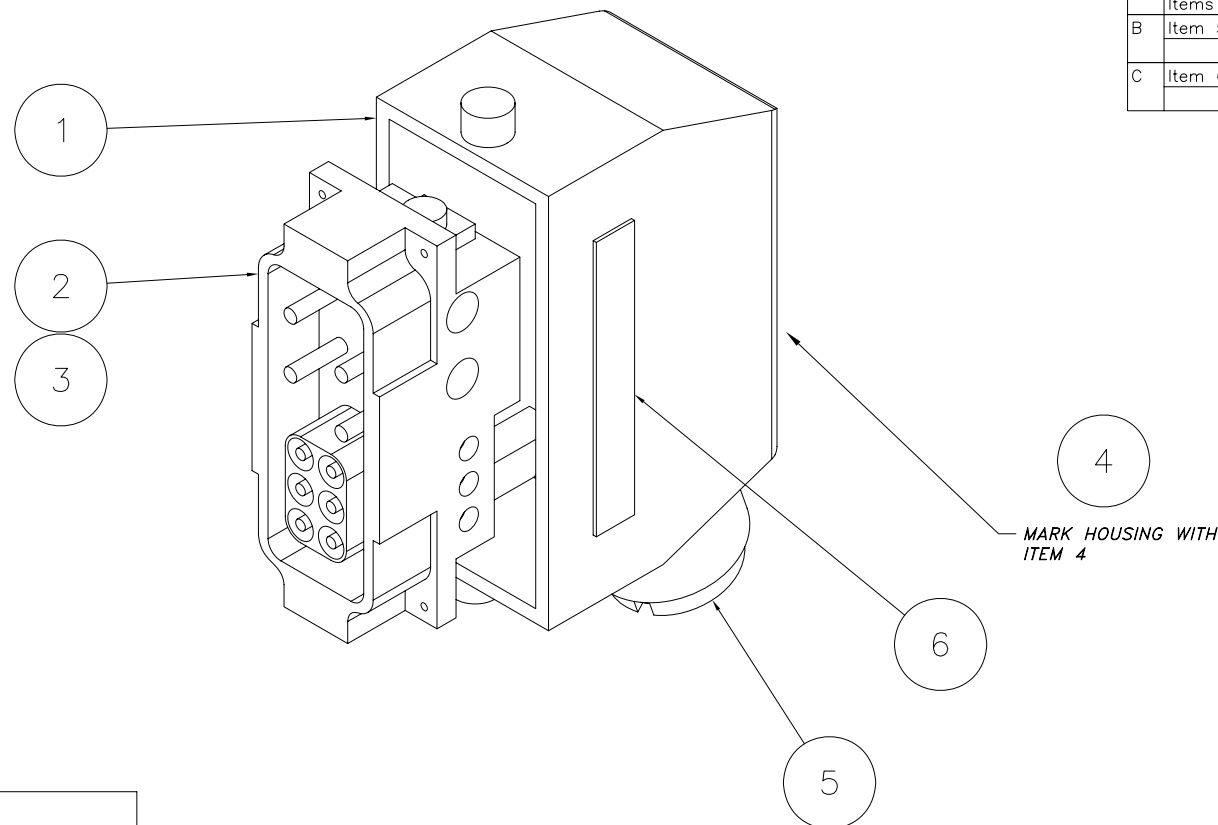
C-SIZE

Parts List

NOTICE OF CONFIDENTIAL INFORMATION		TOLERANCES:		SCALE		DRAWN		MOHAWK RESOURCES LTD.	
INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD. IT IS TO BE USED ONLY FOR THE PURPOSES OF INSPECTION, OR MAINTENANCE. THE INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.		1. REMOVE ALL SHARP CORNERS & EDGES. FINISH TO BE 125 RMS. 2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS. 3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70TTI CODE 5.3 FLUX CORE WIRE UNLY.		ANGULAR ± 1.0° DECIMAL ± .030 0.XX ± .030 0.XXX ± .005		1/0" = 1'0"		MP-1300-A-010.dwg	
		FILE NAME		MP-		CHECKED		TITLE Mobile Post Lift Yellow Dummy Plug (A)	
		NEXT ASSEMBLY		DATE 07/23/2004		WEIGHT 0.60		FROM N/A	
								DRAWING NUMBER MP-1300-A-010	



#	DESCRIPTION	DATE	APPROVED
A	Was Named Dummy Plug #2	05/25/2005	rwv7089
	Items 3 & 4 Added.		
B	Item 5 Added	07/13/2005	rwv7089
C	Item 6 Added.	10/17/2005	rwv7089



6	601-800-221	Decal, "COMMUNICATION"	1		3/8 x 2 1/2	0.000
5	601-160-164	Hole Plug, M25 x 1 1/2 (For Dummy Plug Hood)	1			0.020
4	601-800-	Decal, Red Background with Black "B"	1			0.000
3	601-160-151	Resistor, 220 Ohm	1			0.000
2	601-160-136	Plug Insert, Male, 4 Pin & 6 Pin	1			0.230
1	601-160-134	Hood, COMMUNICATION	1			0.330

ITEM	NAME	DESCRIPTION	QTY	MATERIAL	NOTE	MASS
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Parts List

C-SIZE

NOTICE OF CONFIDENTIAL INFORMATION

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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-70TI CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:

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

FILE NAME
MP-1300-A-011.dwg

MP-

NEXT ASSEMBLY

SCALE
1"0"=1'0"

CHECKED

DATE
07/23/2004

DRAWN
rwv7089

APPROVED

WEIGHT
0.60 LB.

MOHAWK RESOURCES LTD.

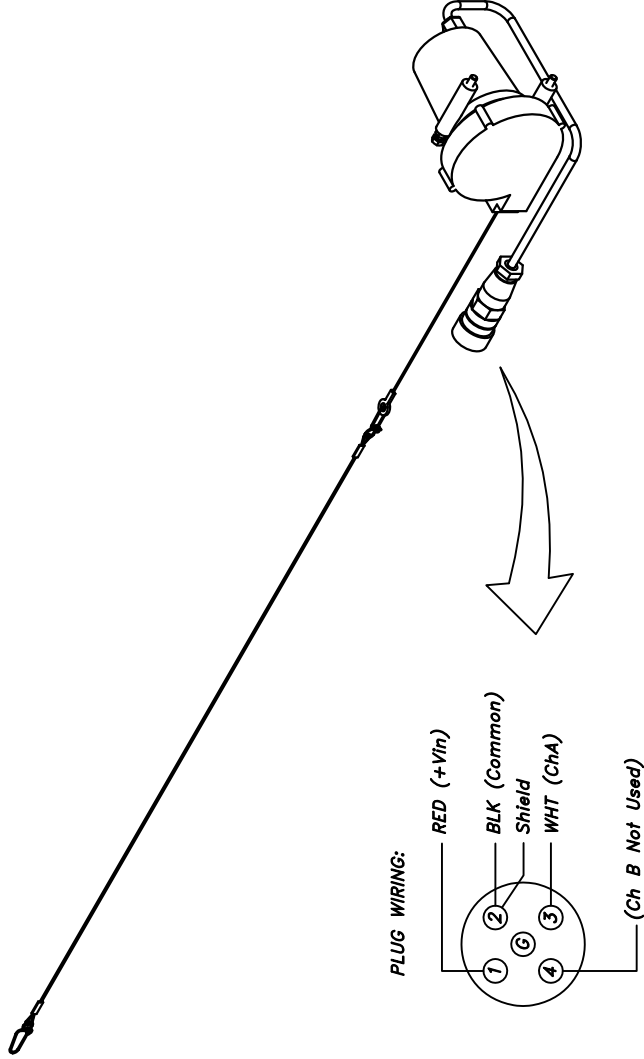
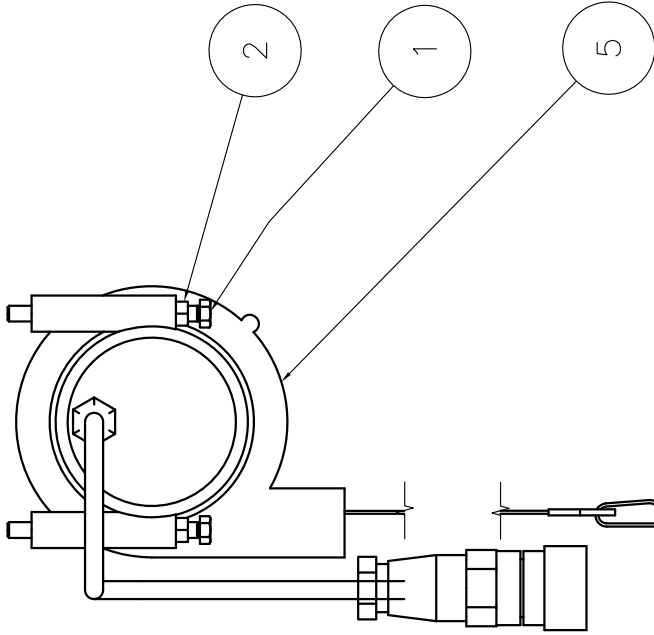
TITLE
Mobile Post Lift
Red Dummy Plug (B)

FROM
N/A

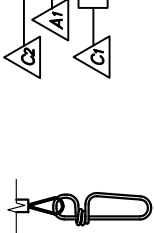
DRAWING NUMBER
MP-1300-A-011



#	DESCRIPTION	DATE	APPROVED
A	1. ITEM 5 VENDOR #	REVISED 11/29/2006	dak
B	Orientation of plug on string pot corrected.	05/15/2007	rwv7089
C	Item 3 (600-850-018) and 4 (600-850-019) deleted Replaced by Item 6	05/15/2007	CHS

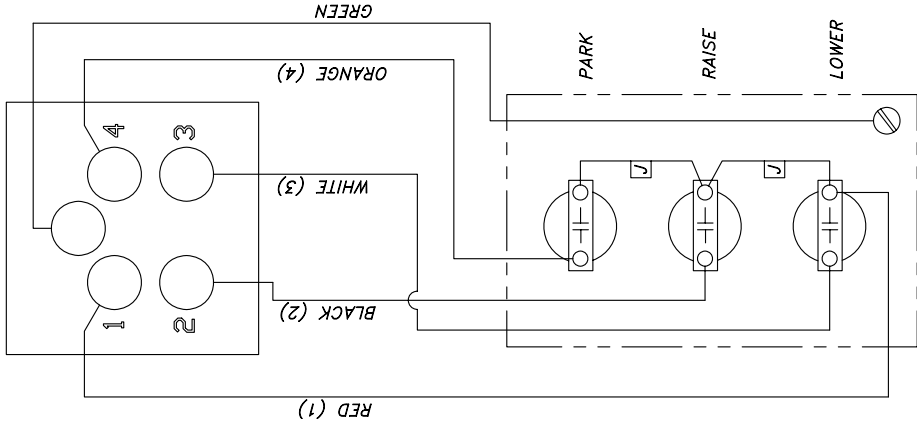
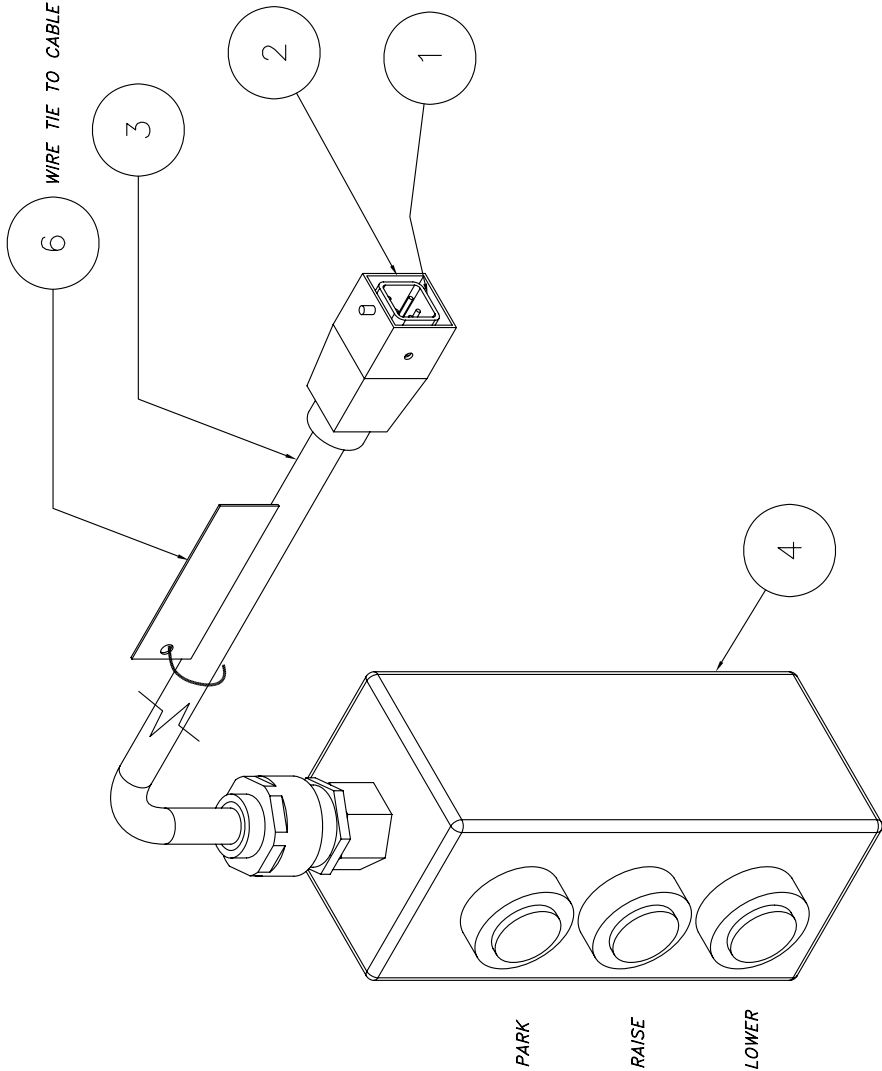


ITEM	NAME	DESCRIPTION	QTY	MATERIAL	VENDOR	NOTE	MASS	PRICE
6	MP-0700-P-021	Mobile Post Leader Line 60 LB	1	ZINC		21 1/8" LG	0.010	
5	601-160-156	Linear Position Sensor, NEMA 4X	1	UniMeasure	#JX-EP-80-70306 Special		0.694	
4			0				0.000	
3			0				0.000	
2	600-680-028	Nut, Plain, #8-32 NC	2				0.001	
1	600-600-021	Hex Machine Screw, #8-32NC x 2" Lg	2				0.010	
Parts List								



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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-70TT CODE 5.3 FLUX CORE WIRE ONLY.				1/0 = 1'0"	rwv7089	Mobile Post Lift AC String Pot Assembly	MP-1300-A-014
TOLERANCES: ANGULAR ± 1° LINEAR ± .030 DECIMAL ± .005 HOLE ± .005				CHECKED	APPROVED	FROM	LB.
FILE NAME MP-1300-A-014.dwg				DATE	WEIGHT		
NEXT ASSEMBLY				11/2/2004	0.70	N/A	

CERTIFIABLE OPTION WITH X-PROOF PENDANT.



ITEM	NAME	DESCRIPTION	QTY
6	601-800-223	Plastic Tag, "Hand Pendant Option..."	1
5	601-140-046	Connector, 1/2 NPT, 1/2"-5/8" Cable (Brown)	1
4	601-160-168	Pendant, 3 Button, Class I, Div 2	1
3	601-150-082	Cable, 18/5 SOW x 25 Feet	1
2	601-160-139	Hood, Straight, Metallic w/ cable gland, PENDANT	1
1	601-160-193	4-Pin Insert, Male, PENDANT	1
DESCRIPTION			QTY

C-SIZE

Parts List

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- 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-70TT CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR ± 1.0
LINEAR ± .030
DECIMAL ± .030
0.XX ± .005
0.XXX

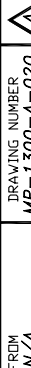
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CHECKED	APPROVED
DATE	10/10/2005
WEIGHT	3
FROM	N/A
DRAWING NUMBER	MP-1300-A-020

SCALE	1/0" = 1'0"
CHECKED	APPROVED
DATE	10/10/2005
WEIGHT	3
FROM	N/A
DRAWING NUMBER	MP-1300-A-020

MOHAWK RESOURCES LTD.

TITLE Mobile Post Lift Pendant Assembly



#	DESCRIPTION	DATE	APPROVED
A	1. ITEM 1 WAS 601-160-138	11/29/2006	dak

MOHAWK

ILLUSTRATIONS

MP-18-SERIES
ELECTRIC/HYDRAULIC
PORTABLE LIFT

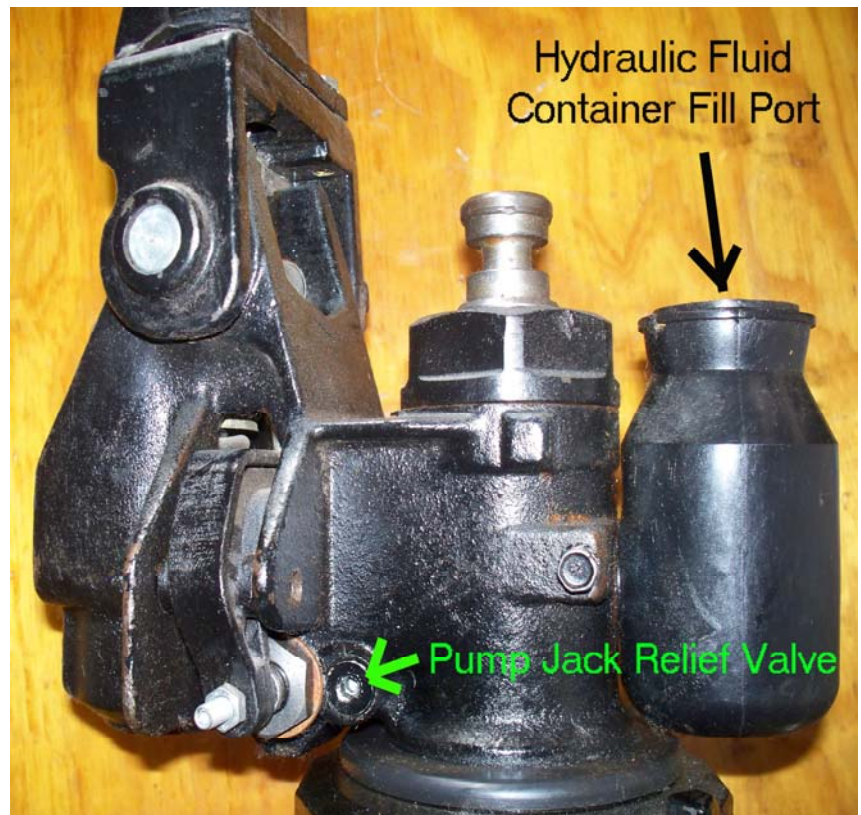
Jack Operation:

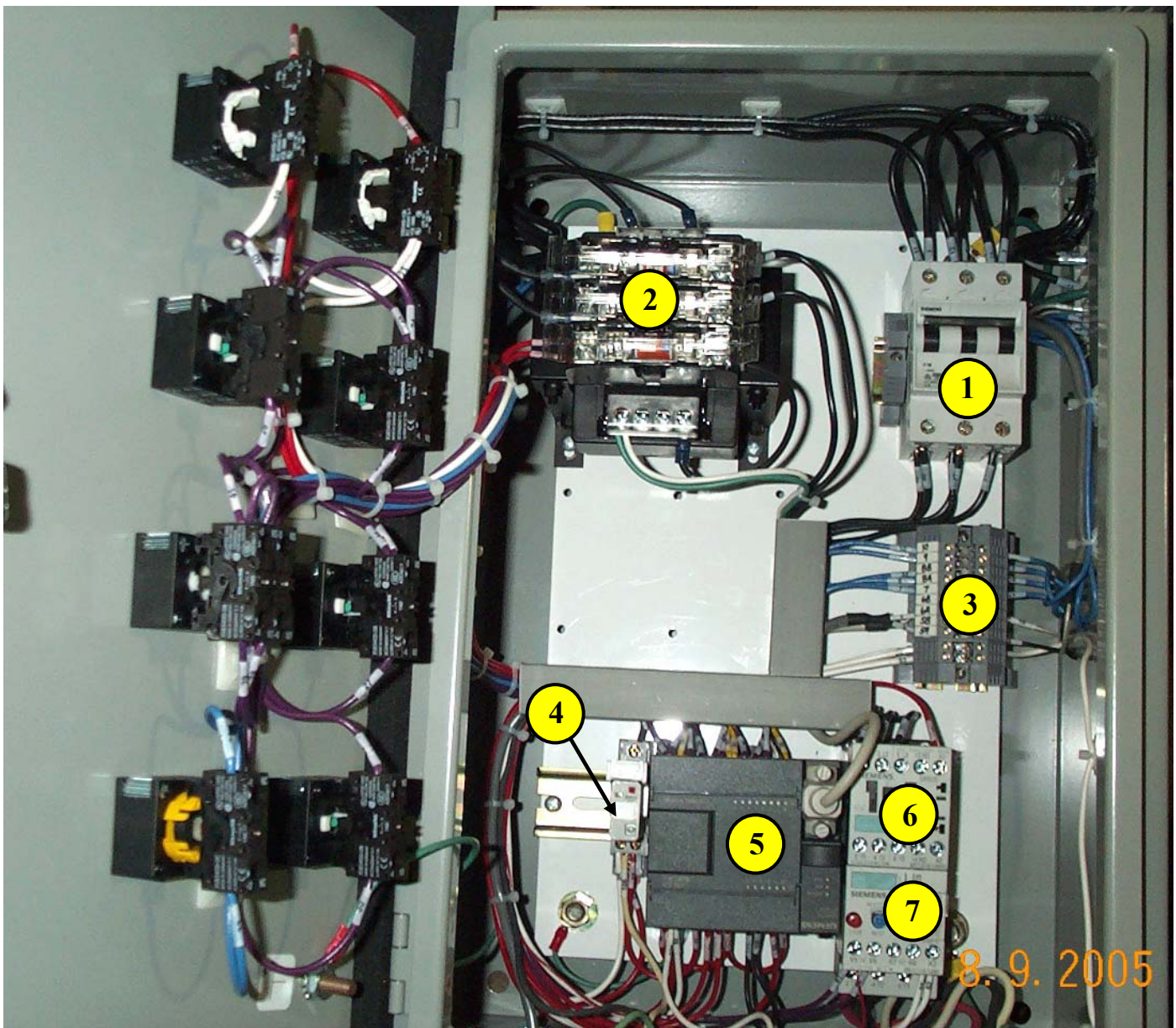
Prior to moving posts, the rear jack wheels must be engaged. To do this, push black lever down, then jack handle to desired height. When post is in position, collapse jack wheel fully by pulling black lever up.



Jack Relief Adjustment:

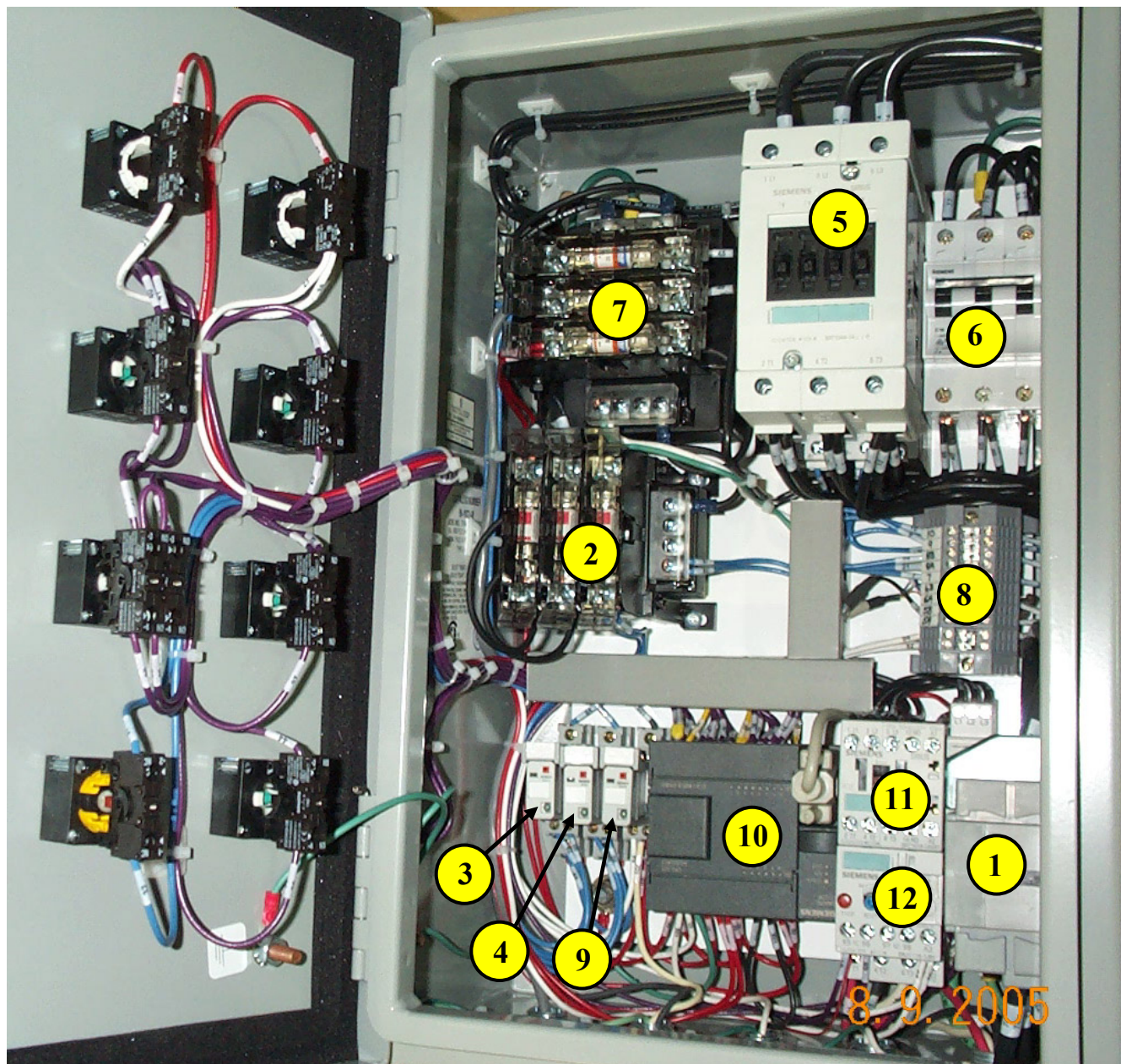
If jack does not collapse under load or if jack does not raise back of post onto wheel, then the relief valve may need to be adjusted. To set proper jack capacity, lift empty post with jack, then remove relief port cap with 5mm allen wrench (see location to right). Using 5mm allen wrench SLOWLY turn adjustment screw counter-clockwise until jack collapses. Then screw in clockwise 1 full turn. Replace port cap.





SLAVE ENCLOSURE COMPONENTS:

1. **CIRCUIT BREAKER** – Limits Amperage to this enclosure's controls and outputs.
2. **MAIN TRANSFORMER & FUSES** – Supplies 120 Volt AC to PLC and all Solenoids
3. **BRANCH TERMINAL STRIP** – Junction terminals for incoming and outgoing communication and logic circuit wires.
4. **LOCK RELEASE SOLENOID RELAY** – Switches power to lock release solenoid.
5. **PROGRAMABLE LOGIC CONTROLLER (PLC)** – Controls input and output logic of post and communicates with all other PLC in post system. Provides 24 VDC to all push buttons.
6. **MOTOR CONTACTOR** – Switches power onto motor when contactor coil energized.
7. **MOTOR OVERLOAD** – Breaks power to motor when amperage setting exceeded.



MASTER ENCLOSURE COMPONENTS:

1. **MAIN POWER SWITCH** – Turns on Power to lift system.
2. **MAIN POWER SWITCHING TRANSFORMER & FUSES** – Uses the main incoming power to power a 24 VAC circuit, which is used to detect post connections.
3. **MAIN POWER PRESENCE RELAY** – Detects if Main Power is connected to the box.
4. **MAIN POWER SWITCHING RELAY** – If all cables and dummy plugs connected properly and all E-Stops released, this relay will switch power to the Main Power Contactor Coil.
5. **MAIN POWER CONTACTOR** – When this contactor is switched (coil energized), main power will be turned on to power the entire lift system.
6. **CIRCUIT BREAKER** - Limits Amperage to this enclosure's controls and outputs.
7. **MAIN TRANSFORMER & FUSES** – Supplies 120 Volt AC to PLC and all Solenoids
8. **BRANCH TERMINAL STRIP** – Junction terminals for incoming and outgoing communication and logic circuit wires.
9. **LOCK RELEASE SOLENOID RELAY** – Switches power to lock release solenoid.
10. **PROGRAMABLE LOGIC CONTROLLER (PLC)** – Controls input and output logic of post and communicates with other PLC's in post system. Provides 24 VDC to all push buttons.
11. **MOTOR CONTACTOR** – Switches power onto motor when contactor coil energized
12. **MOTOR OVERLOAD** – Breaks power to motor when amperage setting exceeded.



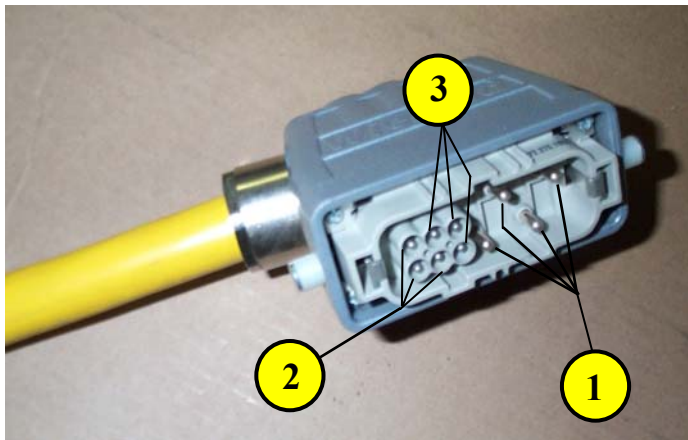
MASTER ENCLOSURE (ABOVE):

1. **MAIN POWER SWITCH** – Turns on Power to lift system.
2. **MAIN POWER CONNECTION RECEPTACLE** – Place where Main Power lead connects.
3. **COMMUNICATION RECEPTACLE** – Place where communication cable or dummy plug connects.
4. **PENDANT RECEPTACLE** – Place where hand pendent connects.



SLAVE ENCLOSURE (TO LEFT):

1. **COMMUNICATION RECEPTACLE** - (Shown with dummy plug)
2. **COMMUNICATION RECEPTACLE** - (Shown with communication cable)



COMMUNICATION CABLE:

1. **POWER DISTRIBUTION WIRES (Qty:4)** –
3 “hot” wires and 1 ground
2. **SET-UP LOGIC WIRES (Qty:3)** –
These wires verify proper lift setup using all communication cables, dummy plugs and E-Stops required.
3. **COMMUNICATION WIRES (Qty:3)** –
These wires provide communication between all the PLC’s in the system.



DUMMY PLUGS:

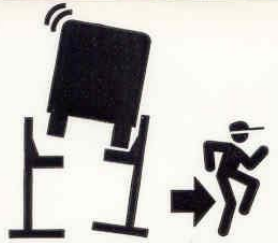
Place Dummy Plugs “A” and “B” in opposite ends of post system at unused communication ports. System will not power up unless dummy plugs in place.



POWER CABLE:

Connect this cable to a Master post to power the system.

⚠ WARNING



Clear area if vehicle
is in danger of falling.

©

⚠ WARNING



Remain clear of lift
when raising or
lowering vehicle.

©

⚠ WARNING



Locate lift
on firm, level surface,
preferably concrete.

©

⚠ WARNING



Be sure intended lifts
are moving together
evenly.

©

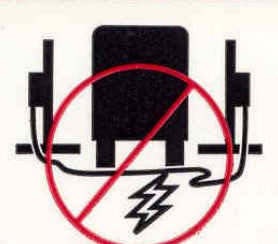
⚠ WARNING



All lifting forks must
properly engage
vehicle tires
or supports.

©

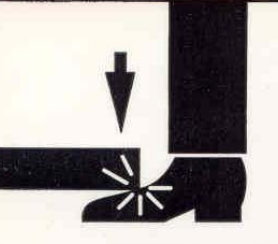
⚠ WARNING



Do not drive over or
pinch electrical cables.

©

⚠ 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
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FL. 32903.

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ALI/WL400w

<p>⚠ CAUTION</p>  <p>Lift to be used by trained operator only.</p> <p>©</p>	<p>⚠ CAUTION</p>  <p>Authorized personnel only in lift area.</p> <p>©</p>
<p>⚠ CAUTION</p>  <p>When moving lift, be careful to avoid tipping.</p> <p>©</p>	<p>⚠ CAUTION</p>  <p>Check for overhead obstructions before raising vehicle.</p> <p>©</p>

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.

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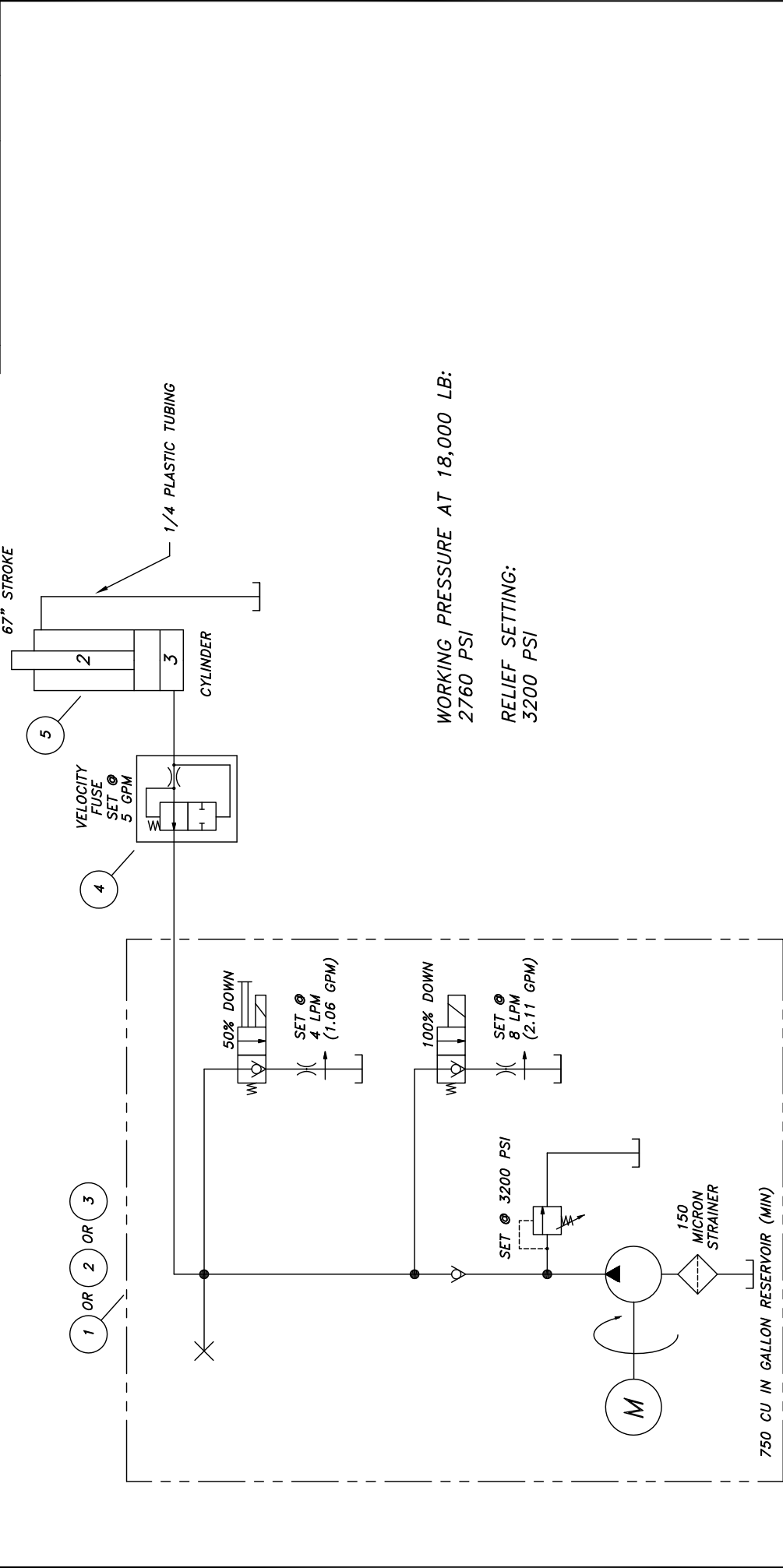
<p>SAFETY INSTRUCTIONS</p>  <p>Read operating and safety manuals before using lift.</p> <p>©</p>	<p>SAFETY INSTRUCTIONS</p>  <p>Proper maintenance and inspection is necessary for safe operation.</p> <p>©</p>
<p>SAFETY INSTRUCTIONS</p>  <p>Do not operate a damaged lift.</p> <p>©</p>	<p>The messages and pictographs shown are generic in nature and are meant to generally represent hazards common to all automotive lifts regardless of specific style.</p> <p>Funding for the development and validation of these labels was provided by the Automotive Lift Institute, PO Box 33116 Indialantic, FL. 32903.</p> <p>They are protected by copyright. Set of labels may be obtained from ALI or its member companies.</p> <p>© 1992 by ALI, Inc. ALI/WL400e</p>

MOHAWK

SCHEMATICS

MP-18-SERIES
ELECTRIC/HYDRAULIC
PORTABLE LIFT

#	DESCRIPTION	DATE	APPROVED
A	Added Alternative Power units for 1 phase and 575 VAC.	10/24/2005	rwv7089



WORKING PRESSURE AT 18,000 LB:
2760 PSI

RELIEF SETTING:
3200 PSI

5	MP-0900-P-001	Cylinder Assembly (Purchased), 3" x 67"	1
4	601-410-073	Velocity Fuse, 5 GPM	1
3	601-300-078	Power Unit, 2 1/2 HP, 550-600 VAC, 3 Ph	1
2	601-300-077	Power Unit, 2 1/2 HP, 208-230 VAC, 1 Ph	1
1	601-300-073	Power Unit, 2 1/2 HP, 230/460 VAC, 3 Ph	1

C-SIZE		DESCRIPTION		QTY
ITEM	NAME	SCALE	DRAWN	
TOLERANCES:		1"0"=1'0"	rwv7089	
ANGULAR		± 1.0		
FRACTIONAL		± .030		
DECIMAL		± .030		
0.XXX		± .005		
FILE NAME		MP-0000-A-		
MP-1400-A-002.dwg		DATE	07/26/2004	
NEXT ASSEMBLY		WEIGHT	N/A	
		FROM	N/A	
		DRAWING NUMBER	MP-1400-A-002	

NOTICE OF CONFIDENTIAL INFORMATION

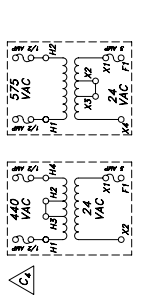
INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPERTY OF MOHAWK RESOURCES LTD. WHERE DRAWING IS FURNISHED TO OTHERS IT SHALL BE USED SOLELY FOR PURPOSES OF INSPECTION, INSTALLATION, OR MAINTENANCE. THE INFORMATION SHALL NOT BE USED OR DISCLOSED BY THE RECIPIENT FOR ANY OTHER PURPOSES WHATSOEVER.

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 53 FLUX CORE WIRE ONLY.

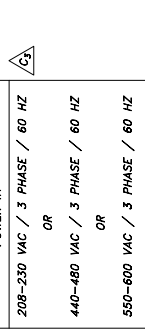
MOHAWK RESOURCES LTD.
TITLE Mobile Post Lift Hydraulic Schematic

#	DESCRIPTION	DATE	APPROVED
A	Modified per Unique Automation	05/24/2005	rw7089
B	Motor wiring added	06/20/2005	rw7089
C	DB-1 was on top and at transformed	06/20/2005	rw7089
D	DB-1 changed to 110V and 24V and 110V	06/20/2005	rw7089
E	1. Note Revised.	10/24/2005	rw7089
F	2. Motor info Revised.	10/24/2005	rw7089
G	3. Motor info Revised.	10/24/2005	rw7089
H	4. Motor info Revised.	10/24/2005	rw7089

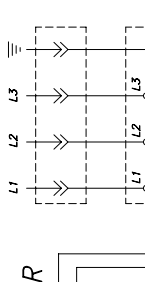
ALTERNATIVE WIRING FOR 75 VA TRANSFORMER:



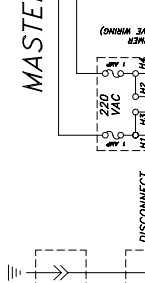
ALTERNATIVE WIRING FOR 250 VA TRANSFORMER:



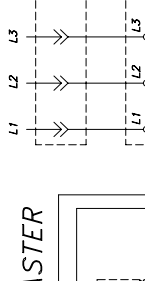
ALTERNATIVE WIRING FOR 550-600 VAC / 3 PHASE / 60 HZ:



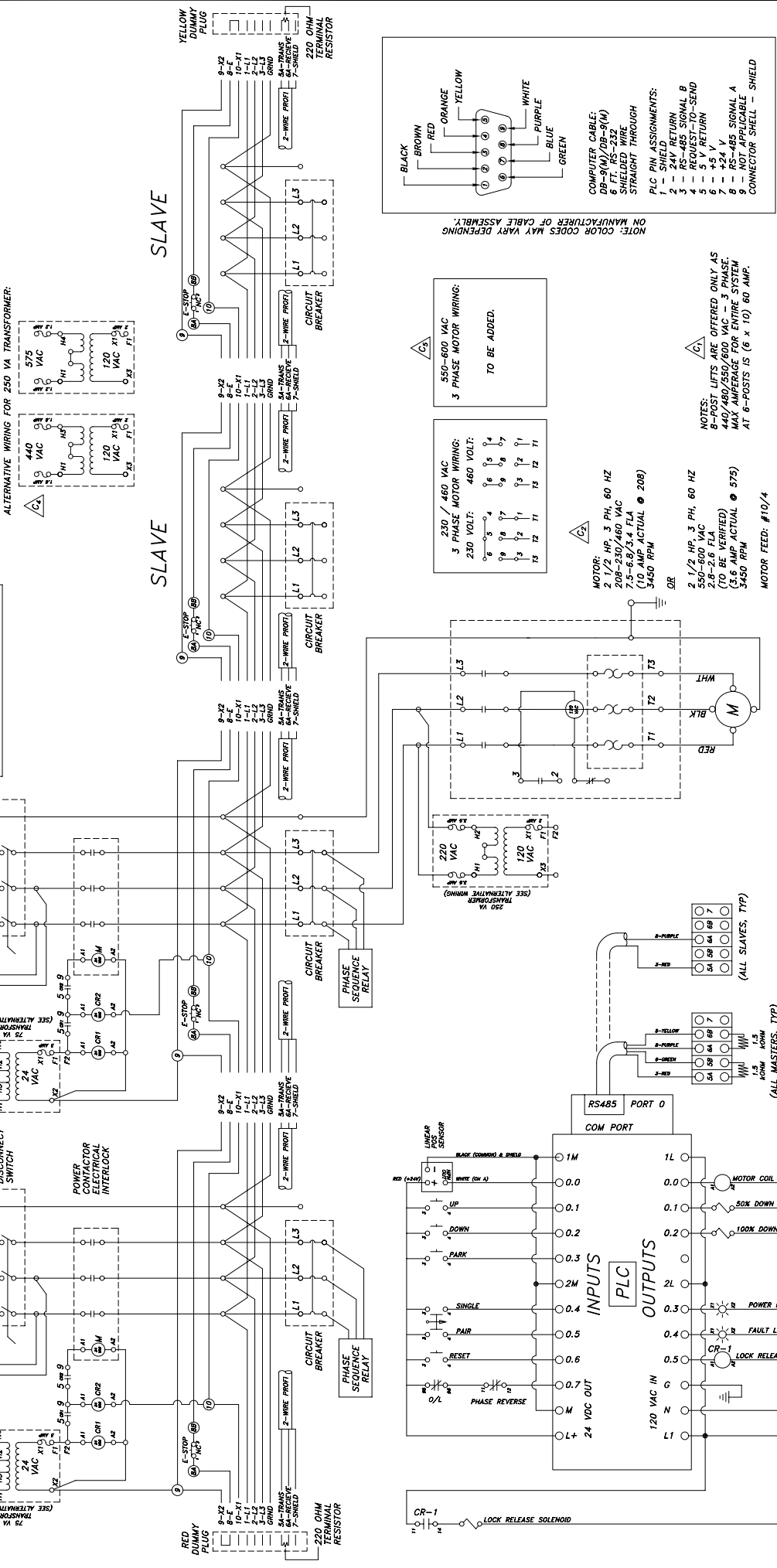
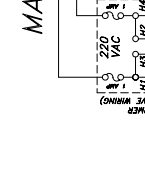
ALTERNATIVE WIRING FOR 550-600 VAC / 3 PHASE / 60 HZ:



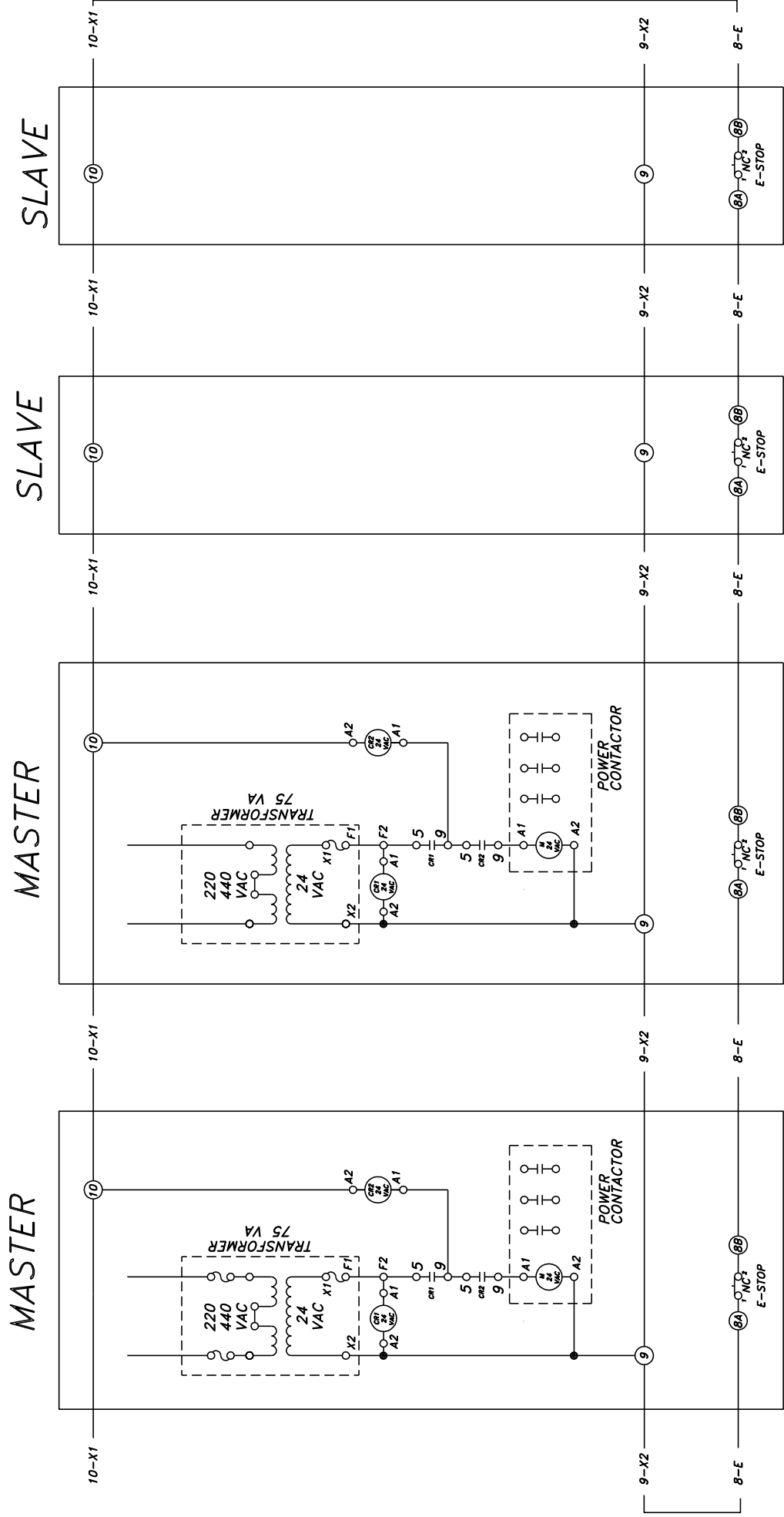
ALTERNATIVE WIRING FOR 550-600 VAC / 3 PHASE / 60 HZ:



ALTERNATIVE WIRING FOR 550-600 VAC / 3 PHASE / 60 HZ:



MOBILE POST POWER SWITCHING CIRCUIT



- FUNCTIONS:**
1. POWER MUST BE PRESENT AT ONE MASTER COLUMN.
 2. ALL CABLES AND BOTH DUMMY PLUGS MUST BE PRESENT.
 3. ALL E-STOP BUTTONS MUST BE RELEASED.
 4. ONCE ENERGIZED, ANY E-STOP BUTTON WILL STOP CIRCUIT.

MASTER

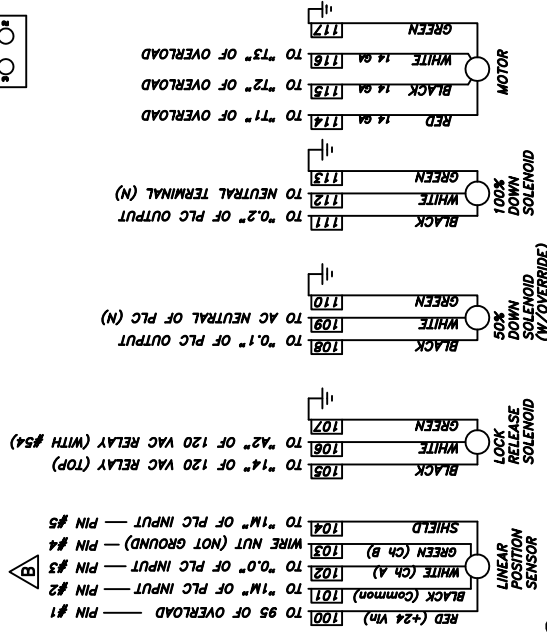
NOTES:

- WIRES USED:
#1-20
#21-44 (ON DOOR)
#45-62
#65-95
#100-117

KEY:

- 220/440 VAC (SEE DIAGRAM FOR GAUGE)-ALL BLACK
- 120 VAC (ALL 14 GA) HOT (RED)
- 120 VAC (ALL 14 GA) NEUTRAL (WHITE)
- 24 VAC (ALL 16 GA MAX) COMM & SAFETY
- 24 VDC (ALL 16 GA MAX) (-)
- 24 VDC (ALL 16 GA MAX) (+) INPUTS
- GROUND (GREEN)

SEE
DOOR
WIRING



C-SIZE

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

TOLERANCES:
ANGULAR
FRACTIONAL
DECIMAL
XXX
± .030
± .005
± .005

FILE NAME
MP-1400-A-003.dwg

NEXT ASSEMBLY

DATE
11/8/2004

WEIGHT

FROM
N/A

DRAWING NUMBER
MP-1400-A-003

DRAWN
rw7089

APPROVED

TITLE
Mobile Post Lift
Box Wiring Diagram - MASTER

MOHAWK RESOURCES LTD.

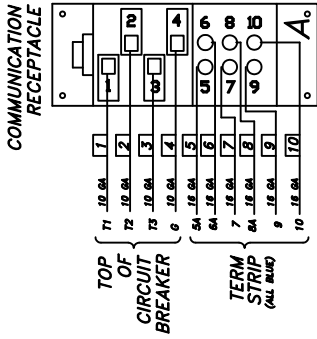
PAGE 1/3

#	DESCRIPTION	DATE	APPROVED
E	Transformer Connections Corrected (h2 swapped with h3 and jumpers removed)	10/18/2012	rw7089

SLAVE

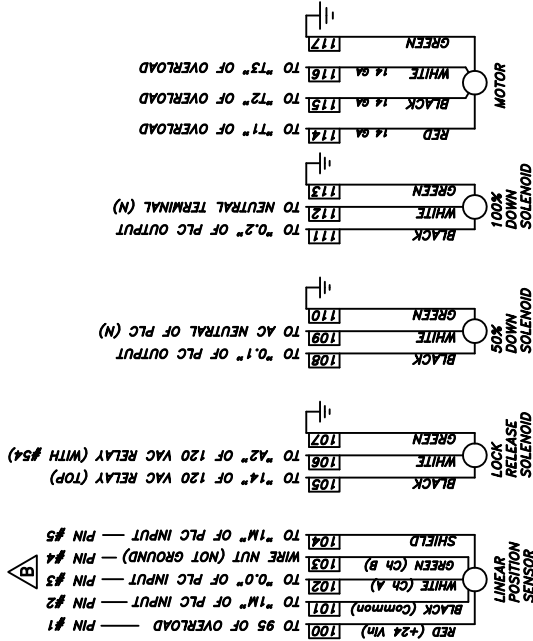
NOTE:
WIRES USED:

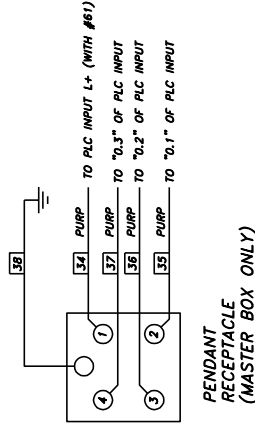
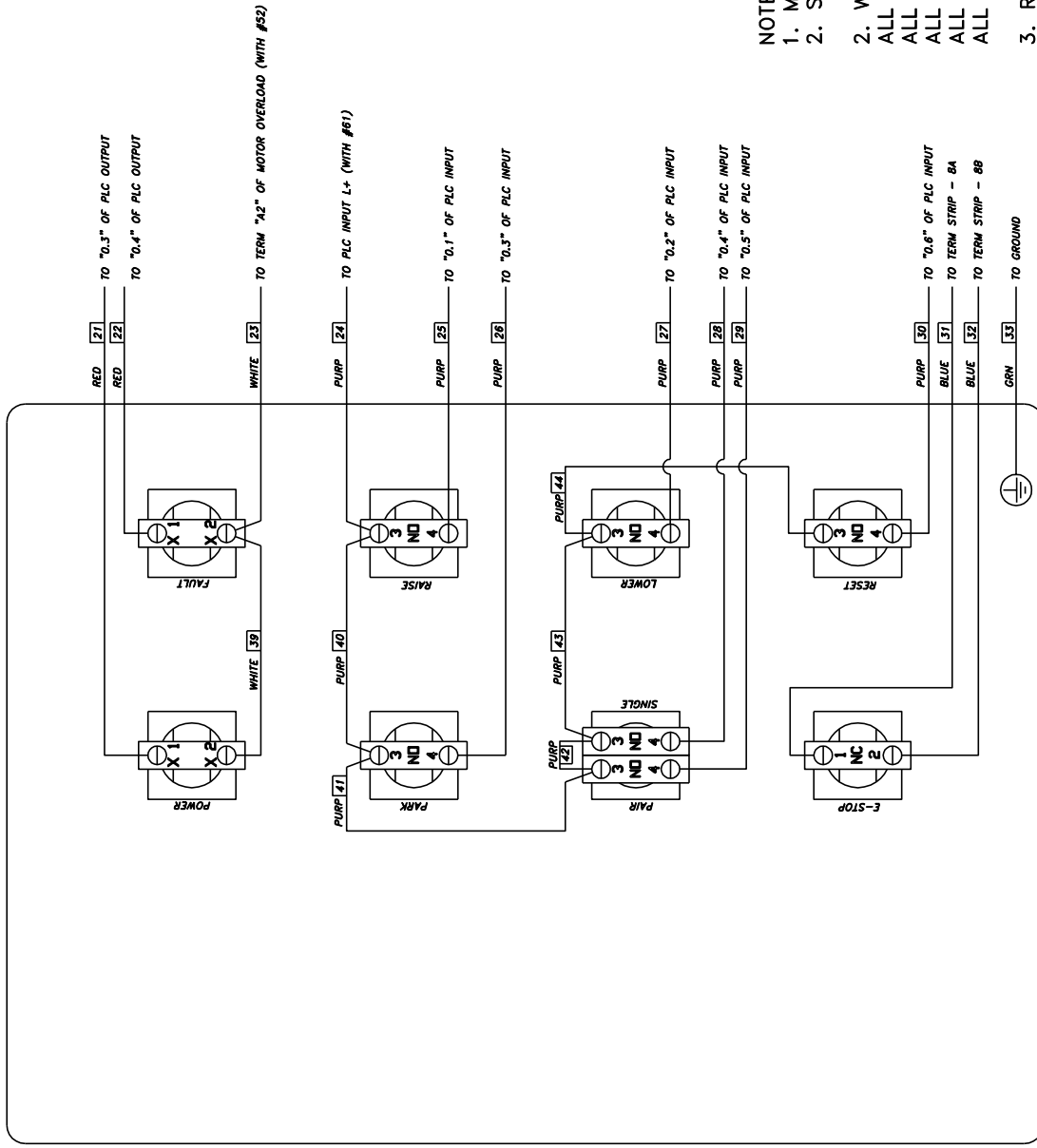
- #1-20
- #21-33 (ON DOOR)
- #39-44 (ON DOOR)
- #45-62
- #65-67
- #93-95
- #100-117



KEY:

- 220/440 VAC (SEE DIAGRAM FOR GAUGE)-ALL BLACK
- 120 VAC (ALL 14 GA) HOT (RED)
- 120 VAC (ALL 14 GA) NEUTRAL (WHITE)
- 24 VDC (ALL 16 GA MAX) COMM & SAFETY (-)
- 24 VDC (ALL 16 GA MAX) (+) INPUTS
- GROUND (GREEN)



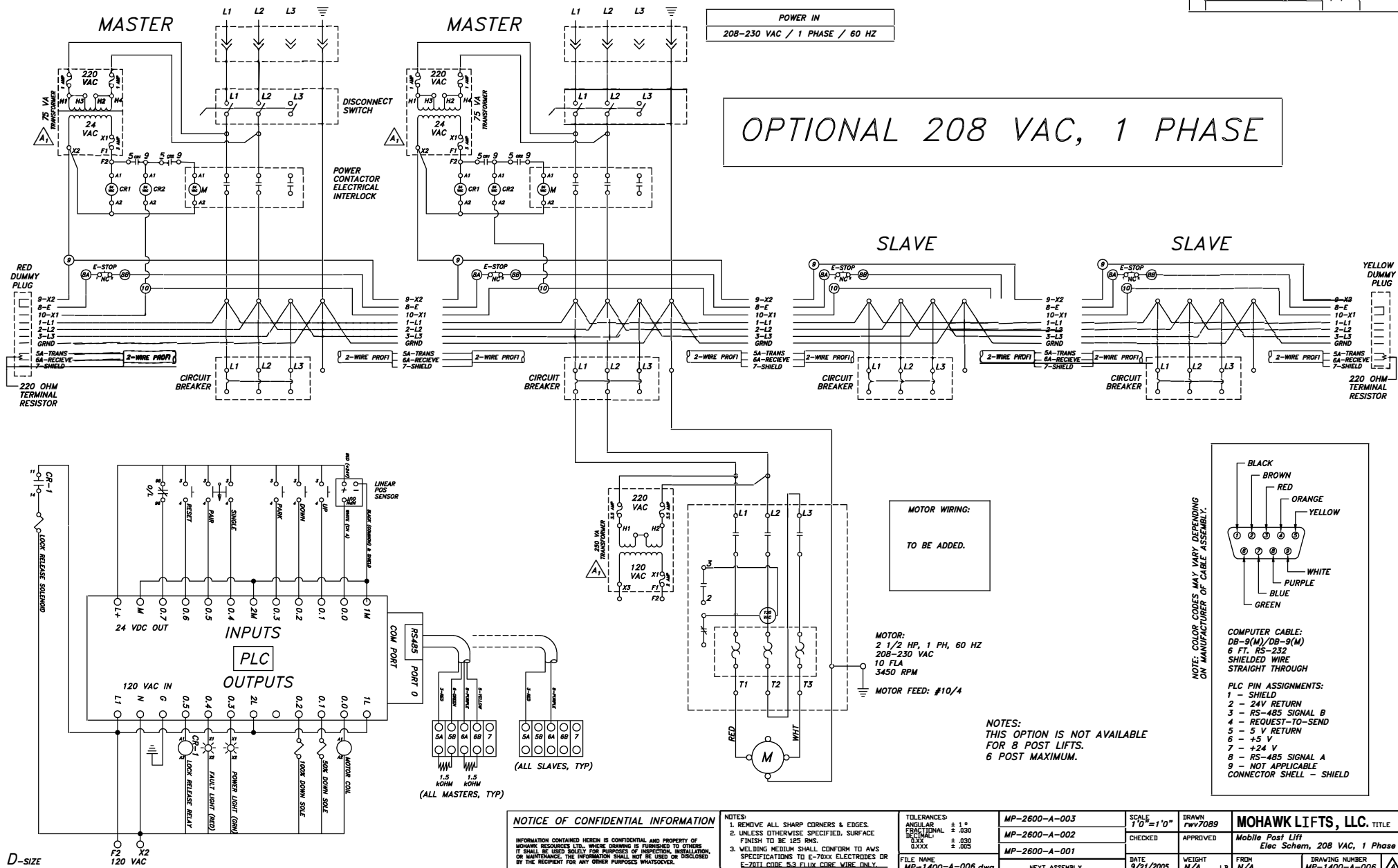


NOTES:

1. MASTER: WIRES #21-44 USED.
2. SLAVE: WIRES #21-33 & #39-44 USED.
2. WIRE GAUGES AS BELOW:
ALL PURPLE WIRES: 18 GAUGE MTW OR THHN
ALL BLUE WIRES: 18 GAUGE MTW OR THHN
ALL WHITE WIRES: 18 GAUGE MTW OR THHN
ALL RED WIRES: 18 GAUGE MTW OR THHN
ALL GREEN WIRES: 18 GAUGE MTW OR THHN
3. REFER TO MP-1400-A-003, PAGE 3 FOR WIRE SPECS.

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				<p>MP-</p>		<p>CHECKED</p>		<p>APPROVED</p>		<p>TITLE Mobile Post Lift Enclosure Door Wiring</p>		<p>BRNVA MP-1400-A-004</p>	
						<p>DATE 07/23/2004</p>		<p>STRT 0</p>		<p>BRNVA N/A</p>		<p>BRNVA MP-1400-A-004</p>	
						<p>NEXT ASSEMBLY</p>						<p>BRNVA MP-1400-A-004</p>	

#	DESCRIPTION	DATE	APPROVED
A	1. Transformer wiring Revised.	10/24/2005	rwv7089



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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 E-70T1 CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:	
ANGULAR	$\pm 1^\circ$
FRACTIONAL	$\pm .030$
DECIMAL	
0.XX	$\pm .030$
0.XXX	$\pm .005$

FILE NAME
MP-1400-A-006.dwg

MP-2600-A-003
MP-2600-A-002
MP-2600-A-001

NEXT ASSEMBLY

SCALE
1'0"=1'0"

CHECKED	APPROVED
---------	----------

[illegible]

DATE	WEIGHT
9/21/2005	N/A

MOHAWK I TETS LLC TITLE C

MOHAWK LIT 10, LEO: TITLE
Mobile Post Lift

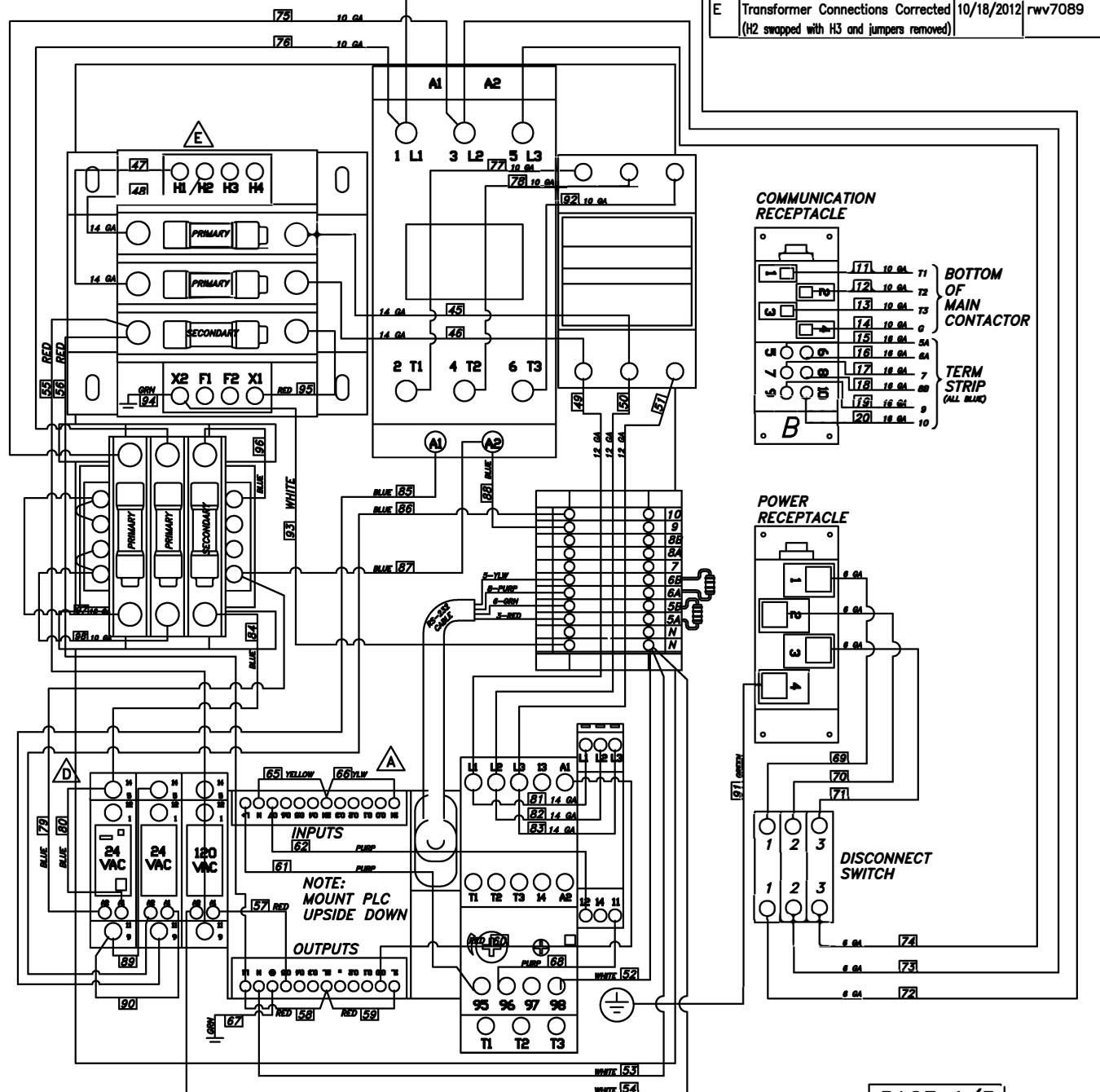
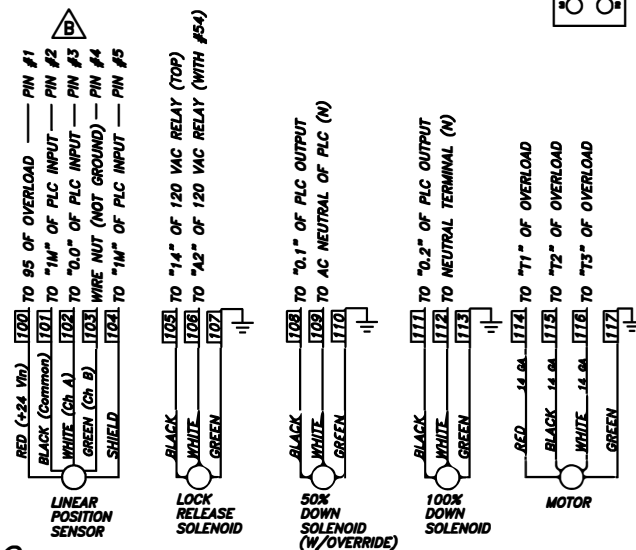
Elec Schem, 208 VAC, 1 Phase

FROM N/A	DRAWING NUMBER MP-1400-A-006	
-------------	---------------------------------	---

NOTE:
WIRES USED:
#1-20
#21-44 (ON DOOR)
#45-62
#65-95
#100-117

KEY:

- - 220/440 VAC (SEE DIAGRAM FOR GAUGE)—ALL BLACK
- - 120 VAC (ALL 14 GA) HOT (RED)
- - 120 VAC (ALL 14 GA) NEUTRAL (WHITE)
- - 24 VAC (ALL 16 GA MAX) COMM & SAFETY
- - 24 VDC (ALL 16 GA MAX) (-)
- - 24 VDC (ALL 16 GA MAX) (+) INPUTS
- - GROUND (GREEN)



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
MP-1400-A-003.dwg

MP-

NEXT ASSEMBLY

SCA

CHECKED

DATE
11/8/2004

DRAWN
rwv7089

APPROVED

WEIGHT	L.B.
--------	------

PAGE 1/3

MOHAWK LIFTS, LLC.

TITLE	Mobile Post Lift Box Wiring Diagram – MASTER
-------	---

FROM
N/A

DRAWING NUMBER
MP-1400-A-003

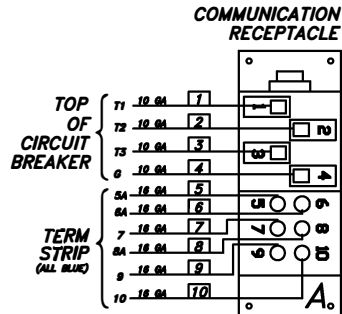


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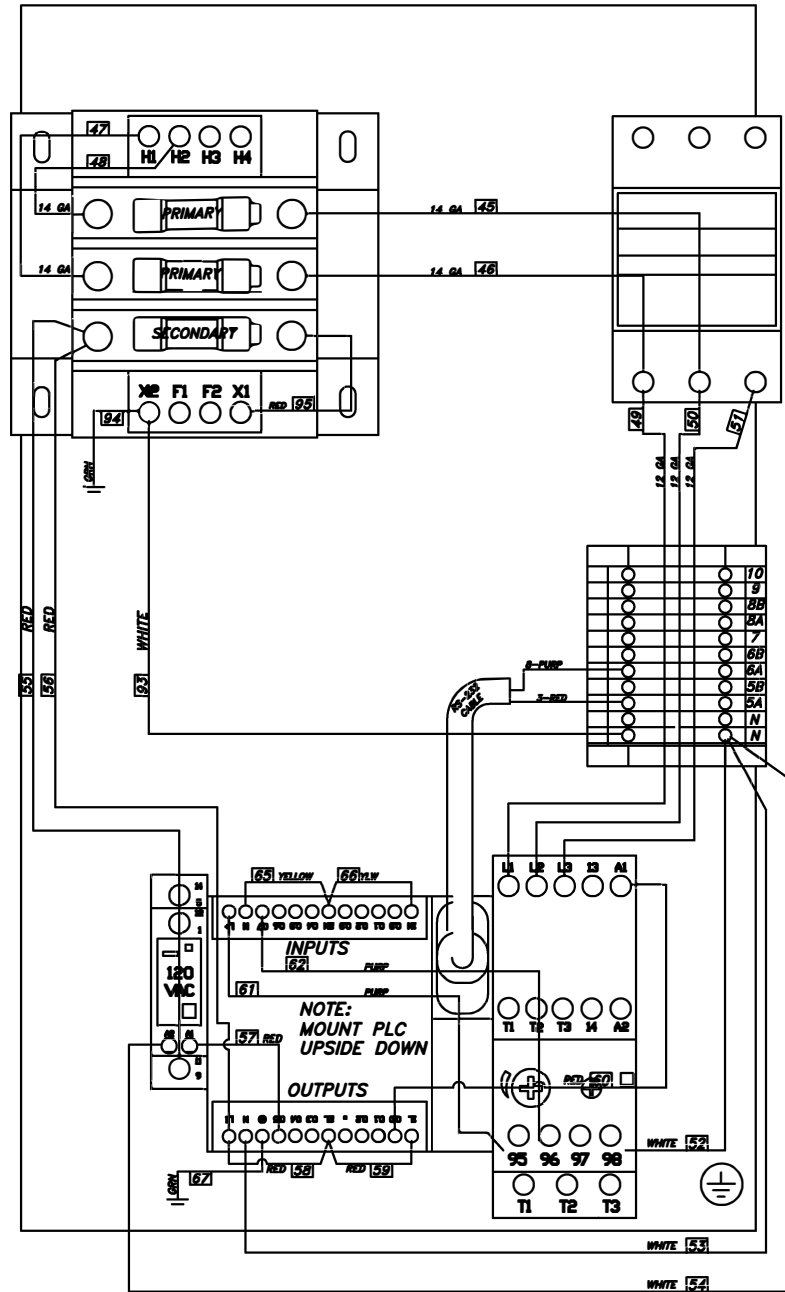
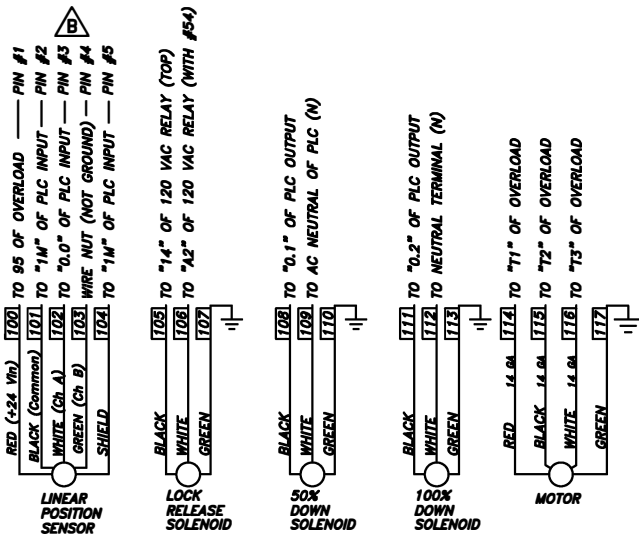
SLAVE

NOTE:
WIRES USED:
#1-20
#21-33 (ON DOOR)
#39-44 (ON DOOR)
#45-62
#65-67
#93-95
#100-117



KEY:

- 220/440 VAC (SEE DIAGRAM FOR GAUGE)-ALL BLACK
- 120 VAC (ALL 14 GA) HOT (RED)
- 120 VAC (ALL 14 GA) NEUTRAL (WHITE)
- 24 VAC (ALL 16 GA MAX) COMM & SAFETY
- 24 VDC (ALL 16 GA MAX) (-)
- 24 VDC (ALL 16 GA MAX) (+) INPUTS
- GROUND (GREEN)



#	DESCRIPTION	DATE	APPROVED
E	Transformer Connections Corrected (H2 swapped with H3 and jumpers removed)	10/18/2012	rwv7089

C-SIZE

PAGE 2/3

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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 ± .030
XXX ± .005

FILE NAME
MP-1400-A-003.dwg

MP-

NEXT ASSEMBLY

SCALE

CHECKED

DATE
11/8/2004

DRAWN
rwv7089

APPROVED

WEIGHT
L.B.

MOHAWK LIFTS, LLC.

TITLE
Mobile Post Lift
Box Wiring Diagram - SLAVE

FROM
N/A

DRAWING NUMBER
MP-1400-A-003



MOHAWK

OPTIONS

MP-18-SERIES ELECTRIC/HYDRAULIC PORTABLE LIFT

CHASSIS LIFTING BEAM

See next page for chassis beam diagram and specifications.

If it is desired to raise a vehicle by the frame, this can be done by using optional chassis lifting beams. The chassis lift beam fits into the cradle where the tire would normally fit and spans between a pair of posts. The beam comes with lifting pads and height adapters that slide and stack along the beam to accommodate the frame pick up points.

Directions for Use:

Drive vehicle into bay.

Roll chassis beam under desired end of vehicle where frame pick points are.

Slide pads to desired positions and stack adapters as desired to accommodate frame pick points.

Roll posts to each end of chassis beam, cradling ends of chassis beam with forks.

Lift pair until chassis beam contacts frame.

Verify proper frame engagement.

Check other posts for proper engagement of tires or frame (depending on if another chassis beam is used or the other end is lifted by tires)

Operate lift as desired.

NOTICE:

The chassis beam is rated for 35,000 lbs total.

Always ensure that the beams are cradled in the forks as close as possible to the carriages. (Do not place beams on tips of forks) Also, ensure that vehicle is centered on chassis beam to ensure even loading of beam and posts.

This beam is intended to be used in conjunction with another beam or another set of mobile column posts to lift the entire vehicle. Do not use this beam to pick up just one end of a vehicle only. Load beam only on lifting pads, do not load beam on center.

This beam is intended for use on Mohawk MP-Series 15" and 22" Long Fork lifts ONLY.

Refer to the ANSI standard "Vehicle Lift Points for Service Garage Lifting," ANSI/SAE J2184-Oct92, safety manual "Lifting it Right," ALI/SM01, and "Vehicle Lifting Points Guide" ALI/LP-Guide for proper positioning of vehicles on lift.

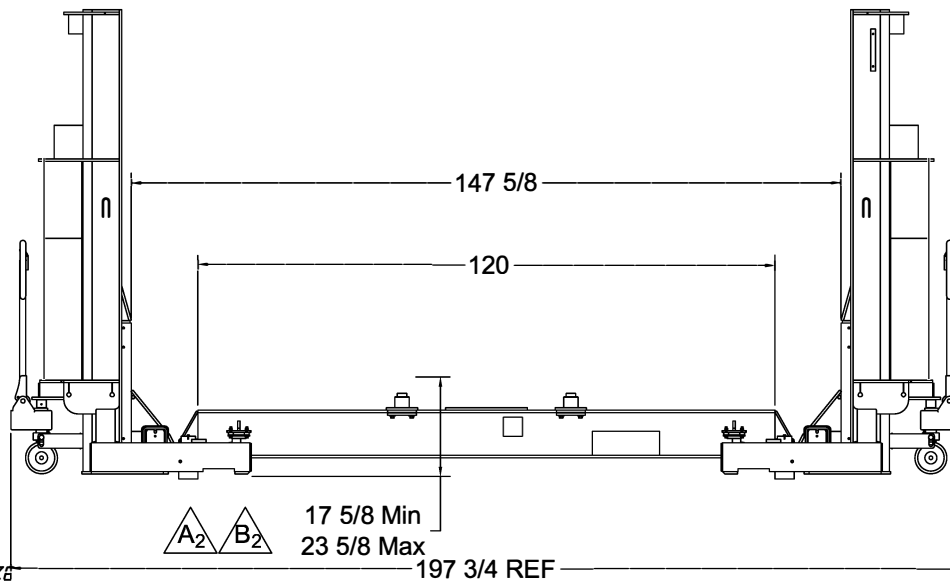
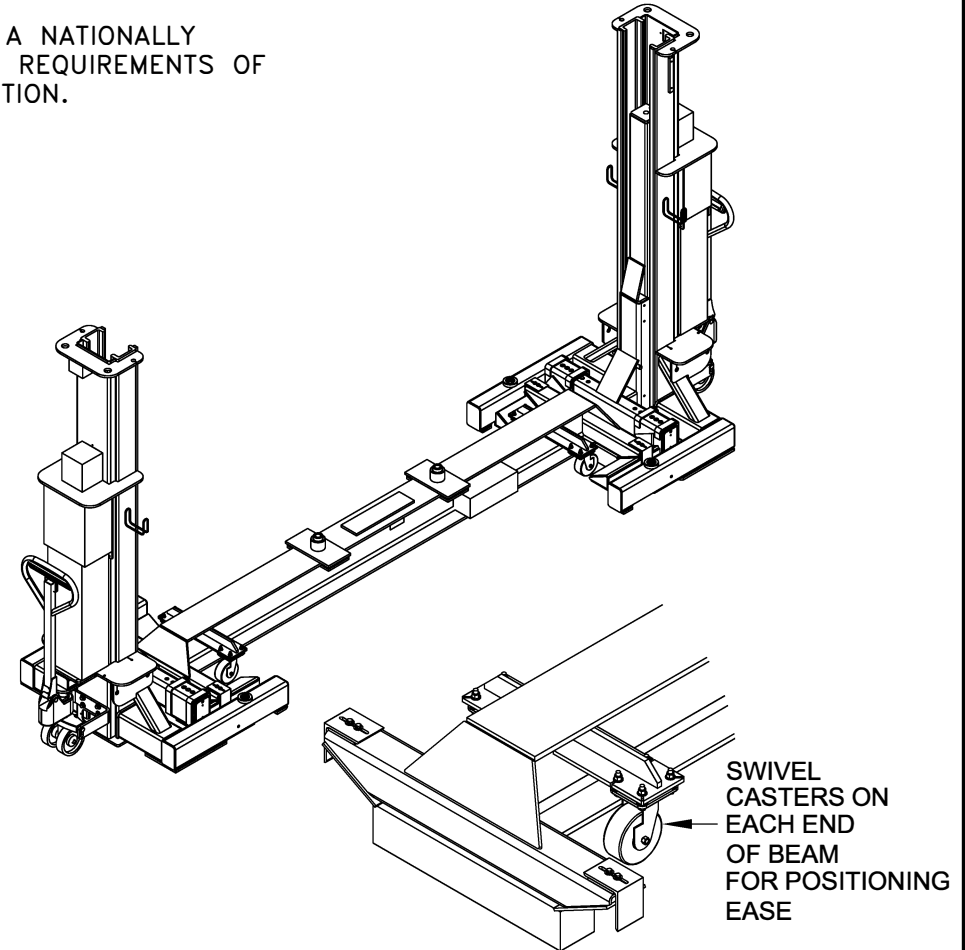
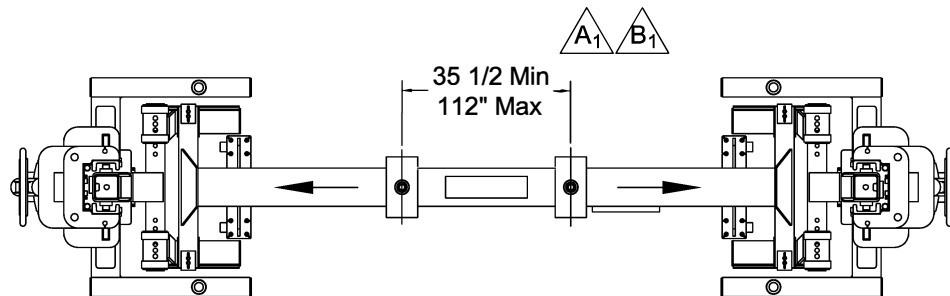
#	DESCRIPTION	DATE	APPROVED
C	ALI CERT LOGO CHANGED	5/10/2016	CHS

#	DESCRIPTION	DATE	APPROVED
B	1. DIM WAS 35 1/2 MIN/112 MAX	04/01/2010	rwv7089
	2. DIM WAS 18 MIN/24 MAX		

#	DESCRIPTION	DATE	APPROVED
A	1) WAS 36 1/2 MIN, 112" MAX	05/30/2006	dak0879
	2) WAS 17 1/2 MIN, 23 1/2 MAX		



THIS ACCESSORY HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF ANSI/ALI ALCTV-2011 FOR AUTOMOTIVE LIFT CONSTRUCTION.



Chassis Lifting Beam

These beams can be rolled on the floor between to Mohawk MP-Series mobile lifts and lifted by the column forks. Beams include twin lifting pads to engage vehicle chassis.

Capacity: 35,000 lbs per beam
(35,000 lbs per post pair)

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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
MP-18 Options.dwg

NEXT ASSEMBLY

SCALE
1/16

CHECKED

DATE
8/2005

DRAWN
rwv7089

APPROVED

WEIGHT
~500 LB.

MOHAWK LIFTS, LLC.

TITLE
Mobile Post Lift
Chassis Beam

FROM
n/a

DRAWING NUMBER
MP-2300-Spec



WING PLOW ADAPTERS

See next page for wing plow adapter diagram and specifications.

The wing plow adapters are to be used when it is desired to raise a vehicle with side wing plows or RV's with side extensions where the forks are not able to get close to the tires. The wing plow adapters are used with a pair of posts to enable lifting of the whole front axles of a vehicle by the tires.

Directions for Use:

Drive vehicle into bay.

Roll wing plow adapters around each side of front axle tires (center tires on beam lengths).

Roll posts to each end of adapters, inserting forks fully into adapter sockets.

Lift pair until wing plow adapters engaged tires.

Verify proper engagement.

Check other posts for proper engagement of tires.

Operate lift as desired.

NOTICE:

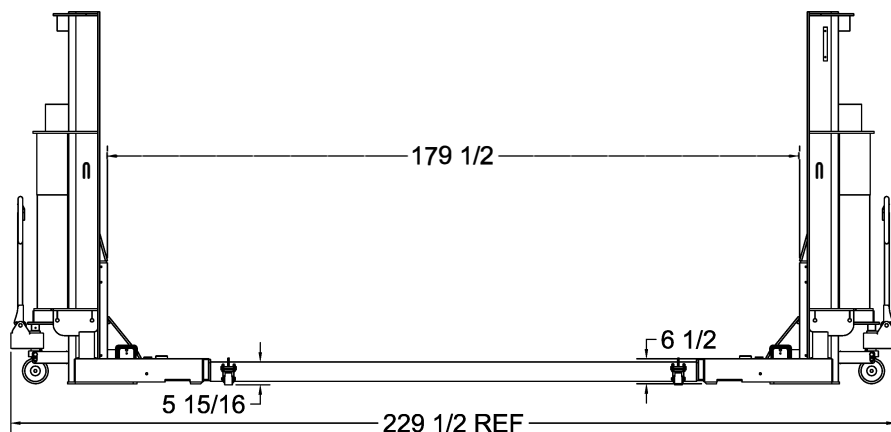
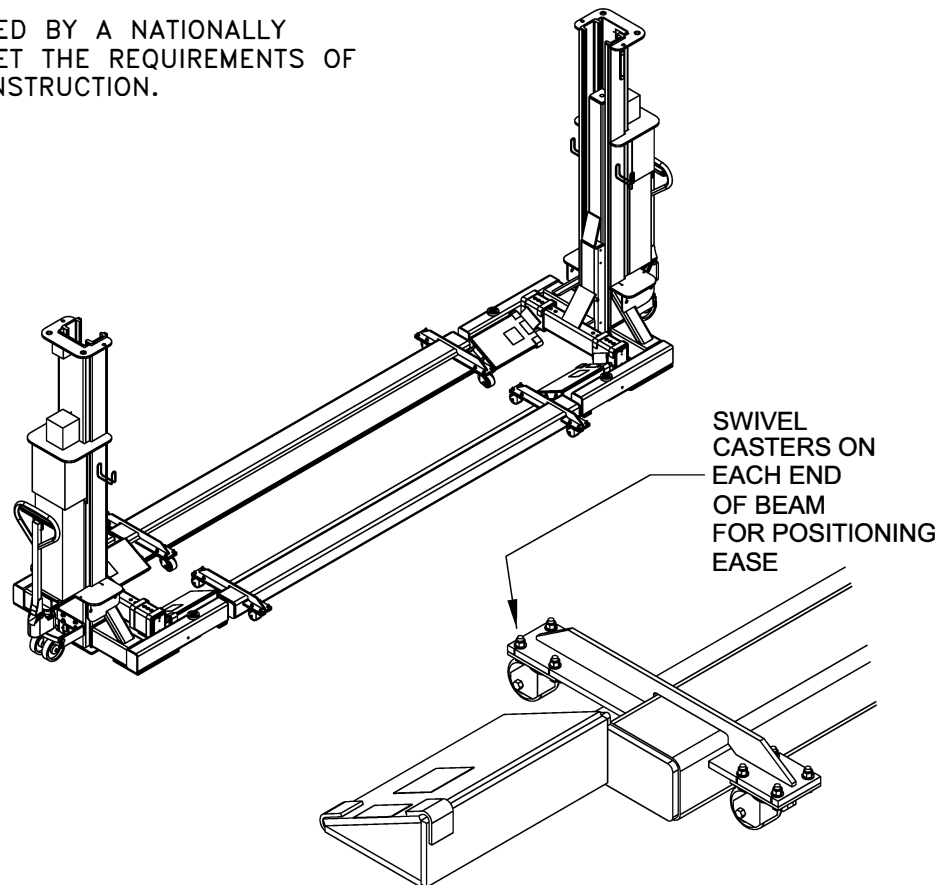
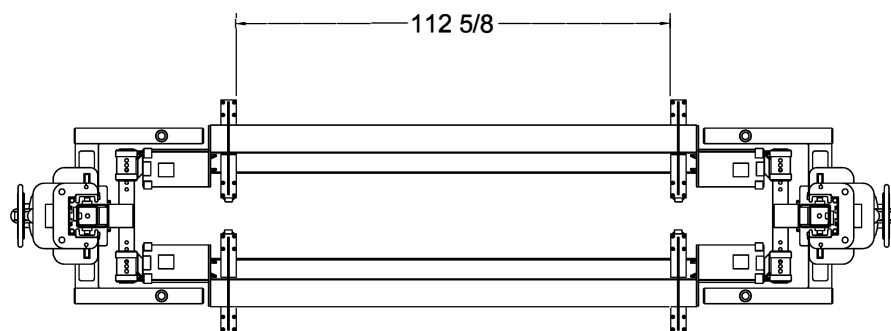
The wing plow adapters are rated for 25,000 lbs total (per pair of beams, see spec on next page) Always ensure that the wing plow adapters are fully inserted over the lifting forks. Also, ensure that vehicle is centered on the wing plow adapters to ensure even loading of beams and posts.

These adapters are intended to be used in conjunction with another set of mobile column posts to lift the entire vehicle. Do not use these to pick up just one end of a vehicle only. These adapters are designed to lift only tires and must not be top loaded. Do not use these to pick up vehicles by frames. Use adapters only in pairs. These adapters must not be single loaded.

The wing plow adapters are available in versions for use on Mohawk MP-Series 15" or 22" Long Fork lifts.



THIS ACCESSORY HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF ANSI/ALI ALCTV-2011 FOR AUTOMOTIVE LIFT CONSTRUCTION.



Wing Plow Beam Adapters (15" Forks) A.K.A. RV SLIDE OUT ADAPTERS

These beams can be rolled on the floor between two Mohawk MP-Series mobile lifts and lifted by the column forks. Beams are used in pairs to engage a full set of tires in the same manner that the lifting forks would. Length of beam gives lift the ability to raise plows with side wing plows or RV's with side extensions.

Capacity: 25,000 lbs per Post Pair

C-SIZE

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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: $\pm 1^\circ$
FRACTIONAL: $\pm .030$
DECIMAL: $\pm .030$
0.XX: $\pm .005$
0.XXX: $\pm .005$

FILE NAME
MP-1B Options.dwg

NEXT ASSEMBLY

SCALE
1/16

CHECKED

DATE
8/2005

DRAWN
rwv7089

APPROVED

WEIGHT
~1200 LB.

MOHAWK LIFTS, LLC.

TITLE
Mobile Post Lift
Wing Plow Beam Adapters

FROM
n/a

DRAWING NUMBER
MP-2400-Spec



FORK TRUCK ADAPTERS

See next page for fork truck adapter diagram and specifications.

The fork truck adapters are to be used when it is desired to raise a fork truck by the undercarriage for wheels free servicing. The fork truck adapters are used with a pair of posts.

Directions for Use:

Locate a pair of posts (Master and Slave) in the desired lifting location.

Assembly ramps and pads onto posts as shown in specification diagram.

Drive fork truck onto pads until center of gravity of fork truck is at center of pad.

Locate rubber blocks as desired to contact frame.

Lift pair until fork truck pad engaged fork truck frame.

Verify proper frame engagement with pads.

Lift pair approximately 6 inches verifying that truck center of gravity is centered on pad.

Shake truck slightly to ensure secure and balanced support of frame.

Operate lift as desired.

WARNING:

Any removal of components from vehicle while raised may alter the center of gravity of the vehicle and produce an unsafe or unstable condition of the vehicle or the lifting system that may cause injury to personnel or damage to equipment. Ensure vehicle center of gravity is always located at center of lifting pads. Use jack stands as an added measure of safety to ensure load stabilization.

NOTICE:

The fork truck adapters are rated for 14,000 lbs per post (28,000 lbs per post pair).

Always ensure that the fork truck adapter pads are fully inserted over the lifting forks inboard against fork tubes. (not on tips of forks). Also, ensure that fork truck center of gravity is centered on the adapter pads to prevent offset loading of posts.

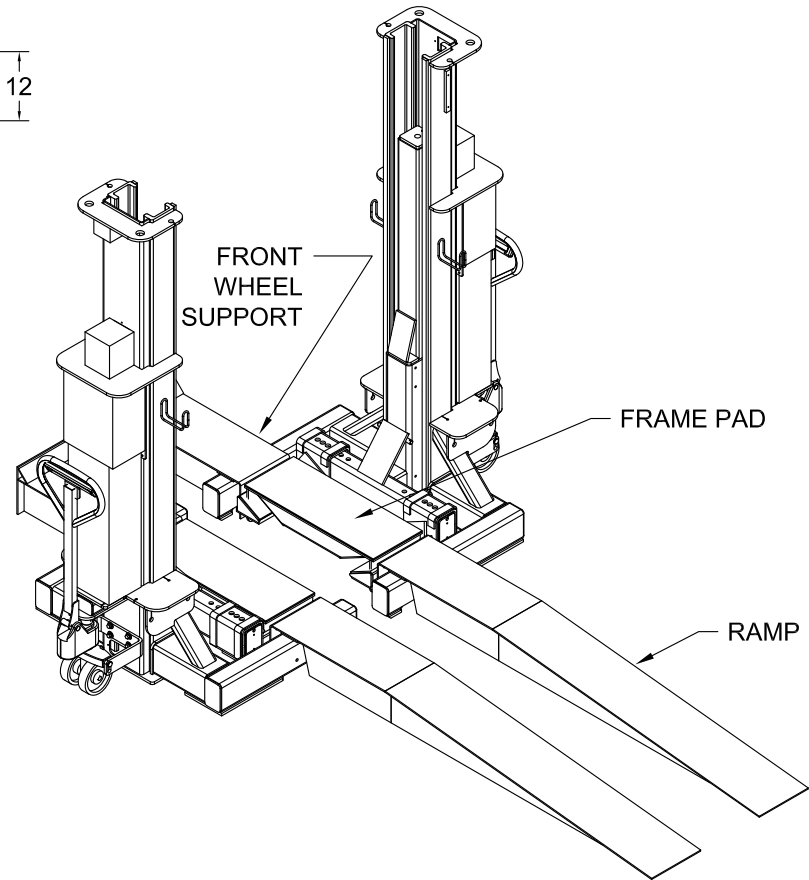
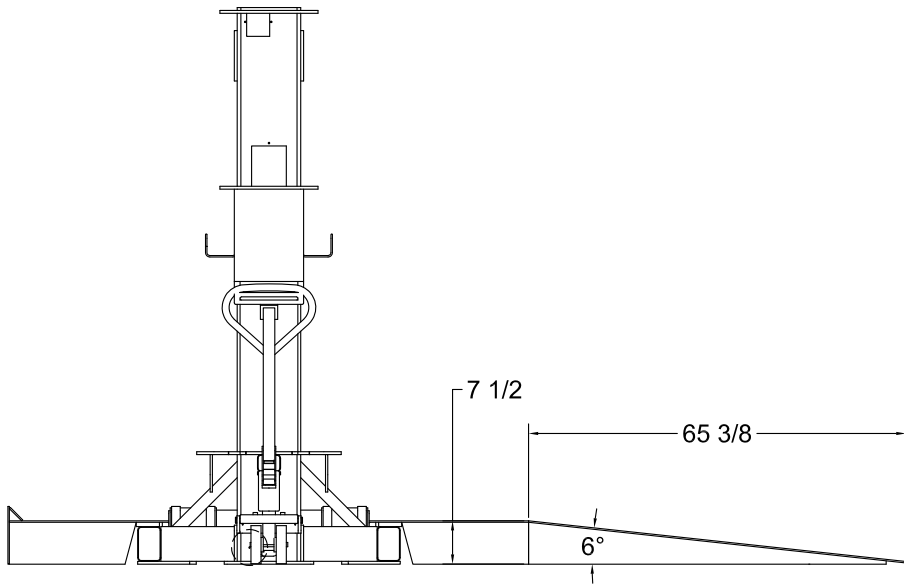
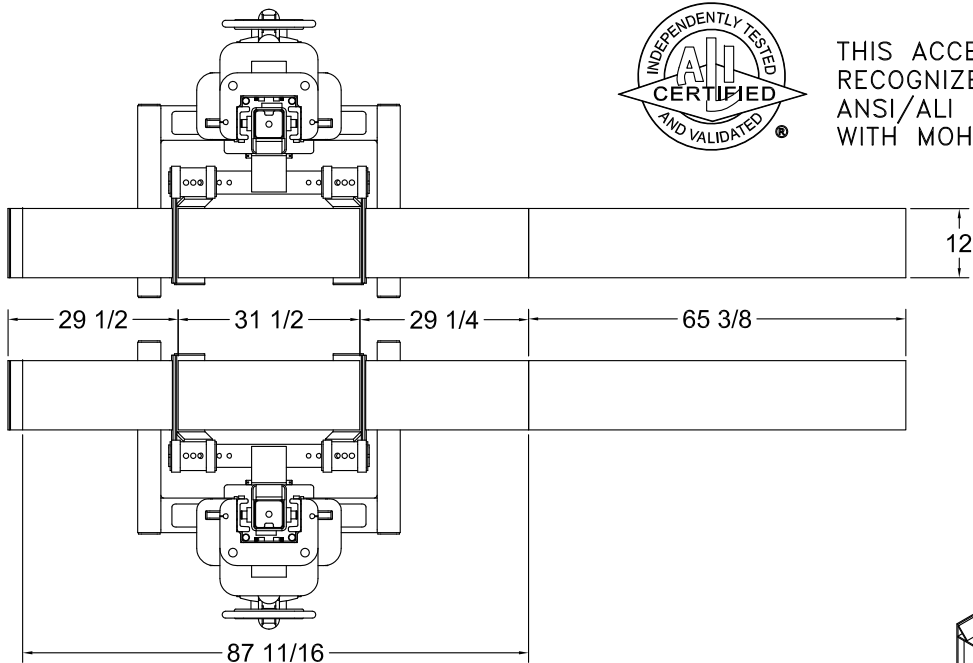
Do not use these to pick up just one end of a vehicle only. Do not use these to pick up vehicles by tires. Use adapters only in pairs. These adapter are designed only to pick up fork trucks.

The fork truck adapters are available in versions for use on Mohawk MP-Series 15" or 22" Long Fork lifts.

#	DESCRIPTION	DATE	APPROVED
A	Center Section Shortened	06/12/2018	rveresko
	Ramp Extended (was 10 Deg)		



THIS ACCESSORY HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF ANSI/ALI ALCTV-2011 FOR AUTOMOTIVE LIFT CONSTRUCTION. FOR USE WITH MOHAWK MP-SERIES LIFTS WITH 15" FORKS.



Fork Truck Adapters (15" Forks)

These adapters consist of 2 ramps, 2 frame pads and 2 front wheel supports that set on top of the standard Mohawk MP-series mobile lift forks. As the lift raises, the frame pads are lifted by the forks while the ramps and front wheel supports stay on the floor.

Capacity: 14,000 lbs per pad (per post)
(28,000 Lbs Total per set)

C-size

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- 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-70Ti CODE 5.3 FLUX CORE WIRE ONLY.

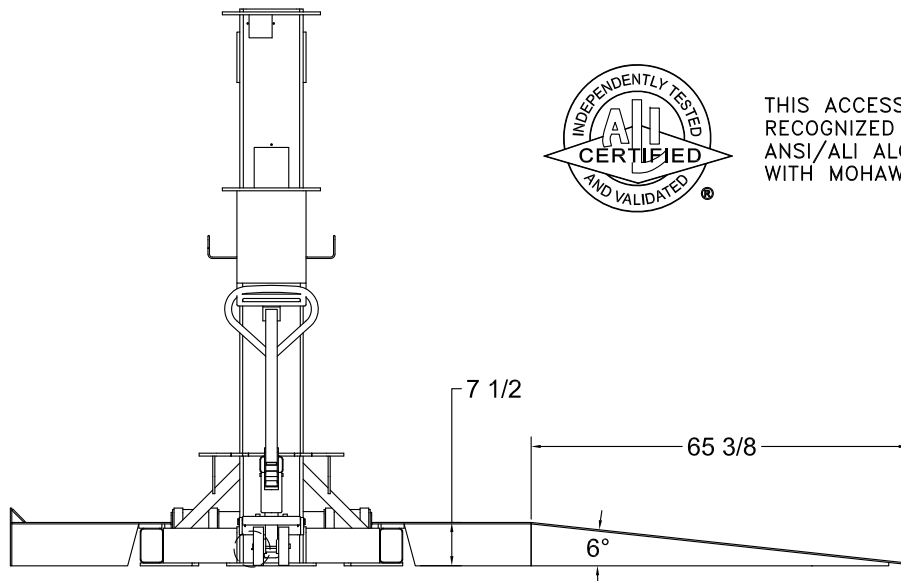
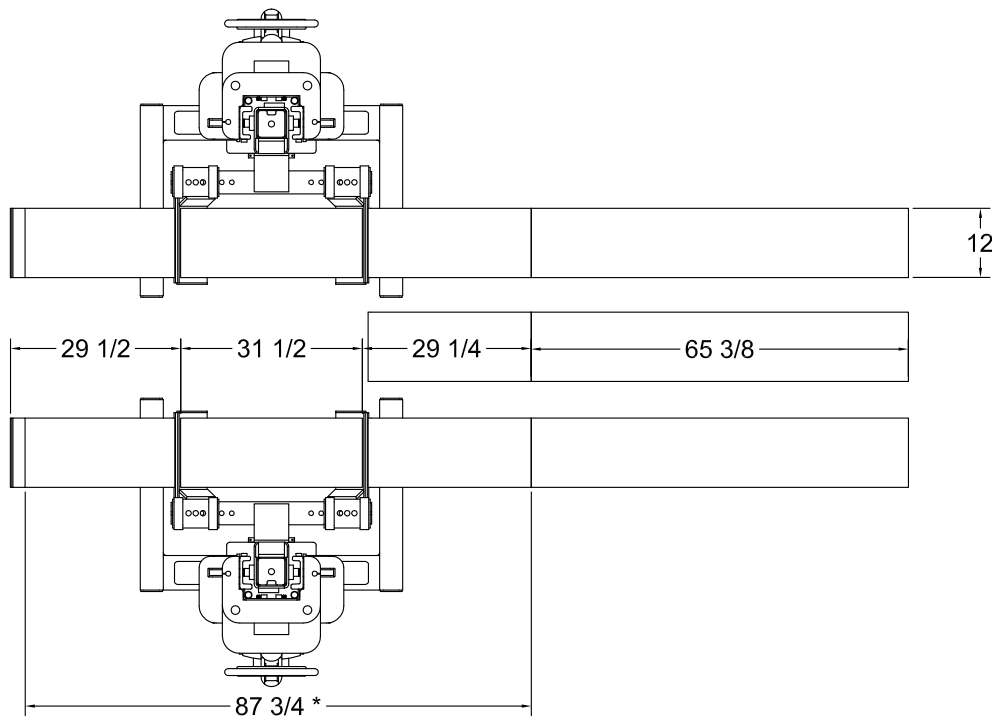
TOLERANCES:	
ANGULAR	± 1°
FRACTIONAL	± .030
DECIMAL:	
0.XX	± .030
0.XXX	± .005
FILE NAME	MP-18 Options.dwg

NEXT ASSEMBLY	

SCALE	1/16
DRAWN	rwv7089
CHECKED	APPROVED
DATE	8/2005
WEIGHT	~550 LB.

MOHAWK RESOURCES LTD.	
TITLE	Mobile Post Lift Fork Truck Adapters
FROM	n/a
DRAWING NUMBER	MP-2200-Spec





THIS ACCESSORY HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF ANSI/ALI ALCTV-2011 FOR AUTOMOTIVE LIFT CONSTRUCTION. FOR USE WITH MOHAWK MP-SERIES LIFTS WITH 15" FORKS.

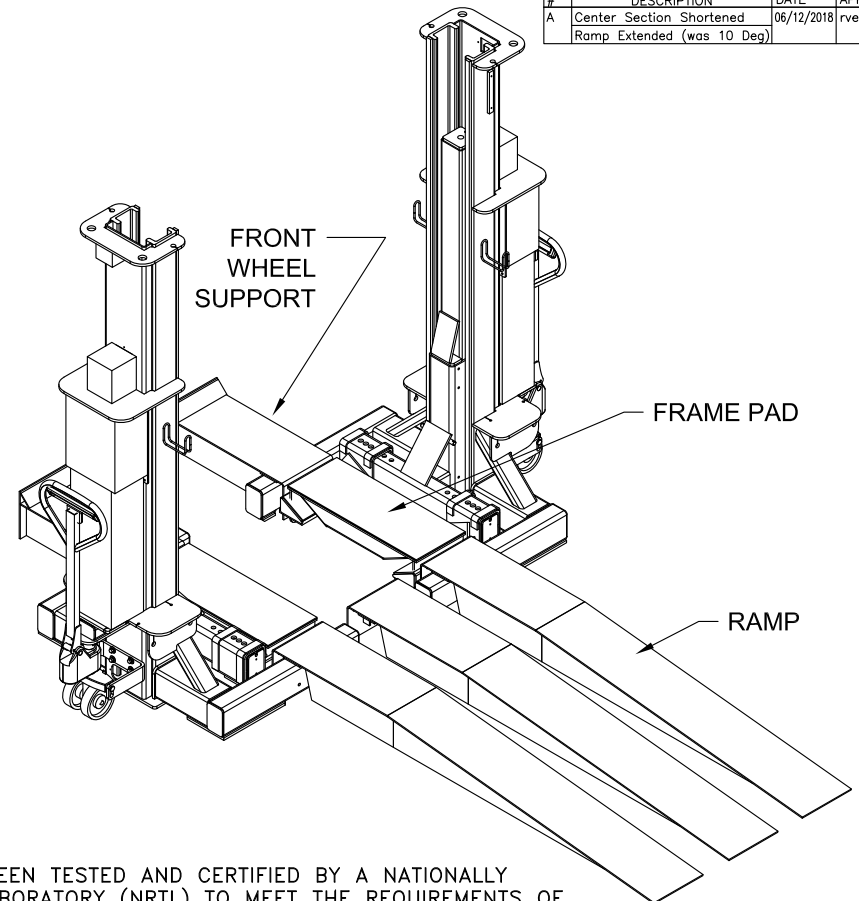
Fork Truck Adapters (with 3rd Wheel Ramp) (15" Forks)

These adapters consist of 3 ramps, 2 frame pads and 2 front wheel supports that set on top of the standard Mohawk MP-series mobile lift forks. As the lift raises, the frame pads are lifted by the forks while the ramps and front wheel supports stay on the floor.

Capacity: 14,000 lbs per pad (per post)
(28,000 Lbs Total per set)

* Ensure that this dimensions can accomodate wheel base of fork truck.

#	DESCRIPTION	DATE	APPROVED
A	Center Section Shortened Ramp Extended (was 10 Deg)	06/12/2018	rveresko



C-SIZE

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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-70TI CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:

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

FILE NAME
MP-18 Options.dwg

NEXT ASSEMBLY

SCALE
1/16

CHECKED

DATE
8/2005

DRAWN
rwv7089

APPROVED

WEIGHT
~700 LB.

MOHAWK RESOURCES LTD.

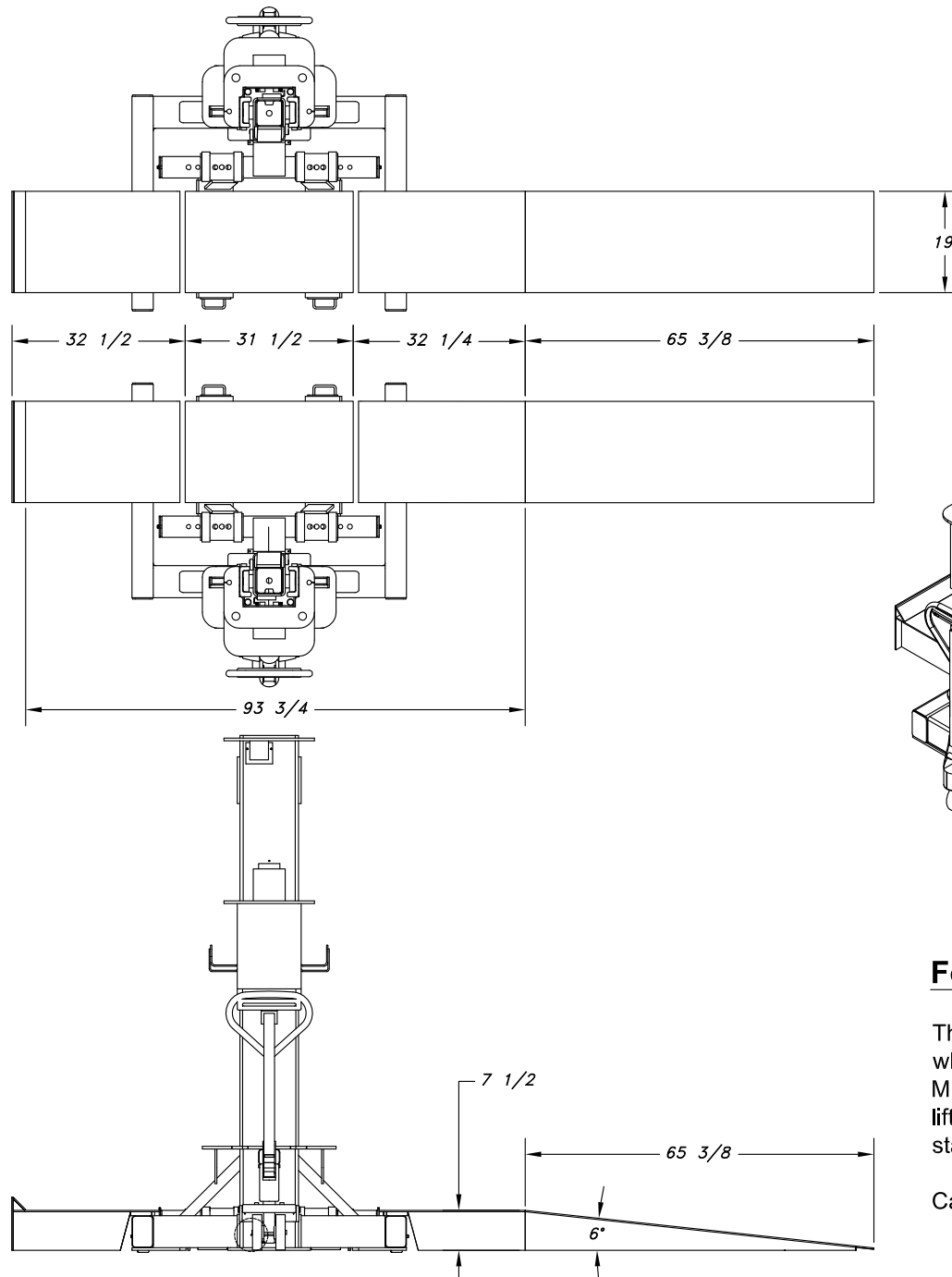
TITLE
Mobile Post Lift
Fork Truck Adaps w/3rd Wheel

FROM
n/a

DRAWING NUMBER
MP-2200-Spec2



#	DESCRIPTION	DATE	APPROVED
A	Center Section Shortened Ramp Lengthened (was 10 Deg)	06/12/2018	rveresko



Fork Truck Adapters (22" Forks)

These adapters consist of 2 ramps, 2 frame pads and 2 front wheel supports that set on top of the standard Mohawk MP-series mobile lift forks. As the lift raises, the frame pads are lifted by the forks while the ramps and front wheel supports stay on the floor.

Capacity: 14,000 lbs per pad (per post)
(28,000 Lbs Total per set)

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NOTES:

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2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70TI CODE 5.3 FLUX CORE WIRE ONLY.

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

FILE NAME
MP-18-Options-22

NEXT ASSEMBLY

SCALE
1/16

CHECKED

DATE
4/08

DRAWN
rv

APPROVED

WEIGHT
~870 LB.

MOHAWK RESOURCES LTD.

TITLE *Mobile Post Lift
Fork Truck Adapters (22")*

FROM

DRAWING NUMBER
MP-2200-Spec3



FRONT TO REAR BUMPER ADAPTERS

See next page for Front to Rear Bumper Adapter (HMMWV adapters) diagram and specifications.

The Front to Rear Bumper Adapters (HMMWV adapters) are specifically to be used when it is desired to raise a vehicle by the front and rear bumpers for wheels free servicing. These adapters can also be used to pick up Humvees, mobile military generators, a/c units, etc. These adapters are used with a pair of posts.

Directions for Use:

Drive the vehicle into the lifting area.
Slip the adapters over the forks of a master and slave post.
Drop the fork retainer pins in the holes at the carriages.
Locate posts at the front and rear of the vehicle.
Locate lifting pads at desired locations to contact frame at bumper ends.
Ensure pads are at widest settings possible.
Lift pair until pads engaged frame.
Verify proper frame engagement with pads.
Lift pair approximately 6 inches.
Shake vehicle slightly to ensure secure and balanced support of frame.
Operate lift as desired.

WARNING:

Any removal of components from vehicle while raised may alter the center of gravity of the vehicle and produce an unsafe or unstable condition of the vehicle or the lifting system that may cause injury to personnel or damage to equipment. Ensure vehicle center of gravity is always located at center of lifting pads. Use jack stands as an added measure of safety to ensure load stabilization.

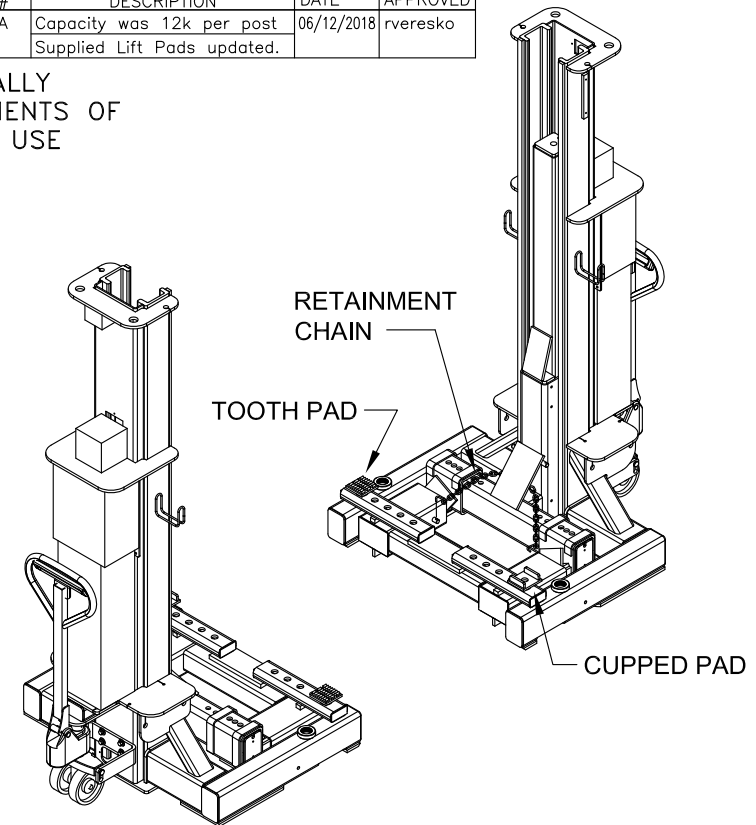
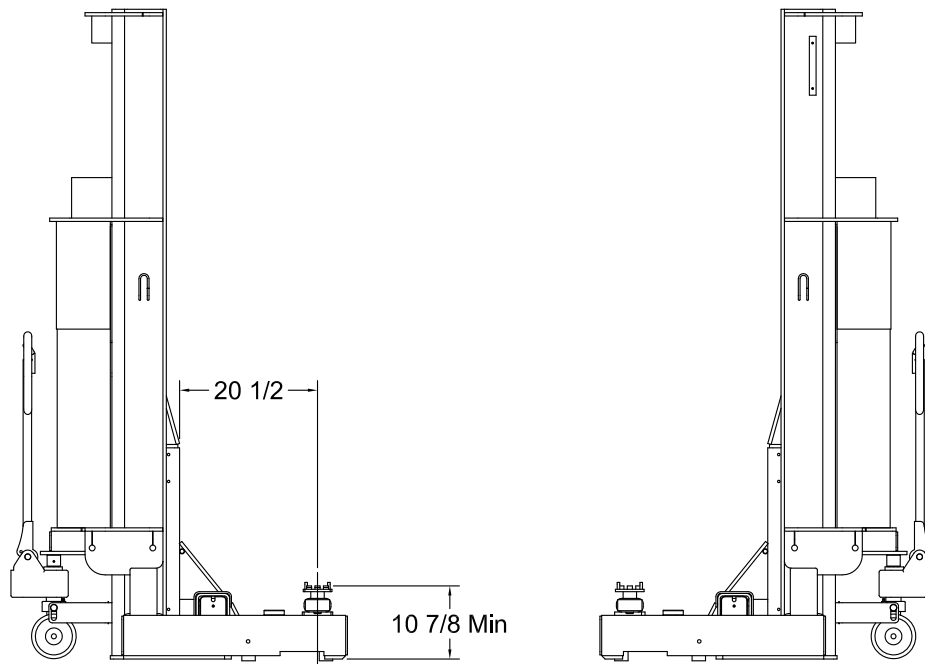
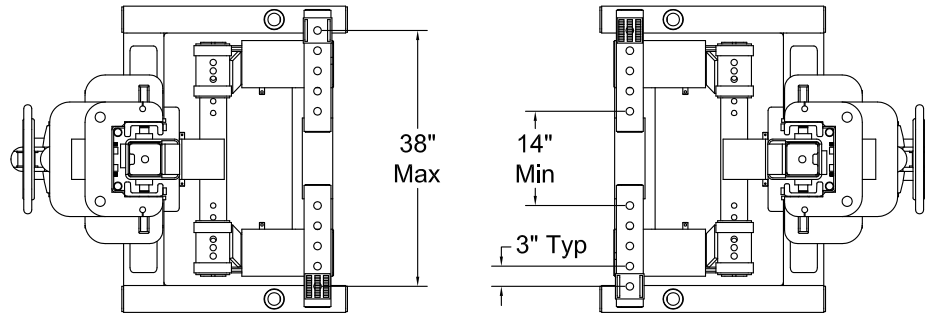
NOTICE:

The adapters are rated for 13,000 lbs per post (26,000 lbs per post pair)
Always ensure that the adapters are fully inserted over the lifting forks and retaining pins are inserted into carriage holes. Also, ensure that vehicle center of gravity is centered between the pads to prevent offset loading of posts.
Do not use these to pick up just one end of a vehicle only. Use adapters only in pairs.
These adapters are available in versions for use on Mohawk MP-Series 15" or 22" Long Fork lifts.



THIS ACCESSORY HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF ANSI/ALI ALCTV-2011 FOR AUTOMOTIVE LIFT CONSTRUCTION. FOR USE WITH MOHAWK MP-SERIES LIFTS WITH 15" FORKS.

#	DESCRIPTION	DATE	APPROVED
A	Capacity was 12k per post Supplied Lift Pads updated.	06/12/2018	rveresko



Front to Rear Bumper Adapters (15" Forks)

A.K.A. HMMWV ADAPTERS

A.K.A. U.S.A.F GENERATOR ADAPTER

These adapters slip over the standard forks of the Mohawk MP-18 Series lifts and convert the lift into a "2-Post Frame Engaging Lift" to lift vehicles by their bumpers (consult vehicle manufacturer for suitability of lifting in bumper region). This design is popular for lifting military HMMWV's.

Capacity: 13,000 lbs per post
(26,000 Lbs Total per PAIR of Columns)

Accessories include: (4) Lifting Pads, Square, 1" w/ Teeth
(4) Lifting Pads, Square, 1" Cupped
(4) 3" Height Adapters
(4) 6" Height Adapters

C-SIZE

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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-70Ti CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:

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

FILE NAME
MP-18 Options.dwg

NEXT ASSEMBLY

SCALE
1/16

CHECKED

DATE
8/2005

DRAWN
rwv7089

APPROVED

WEIGHT
~550 LB.

MOHAWK RESOURCES LTD.

TITLE
Mobile Post Lift (HMMWV Adapt)
Front to Rear Bumper Adapters

FROM
n/a

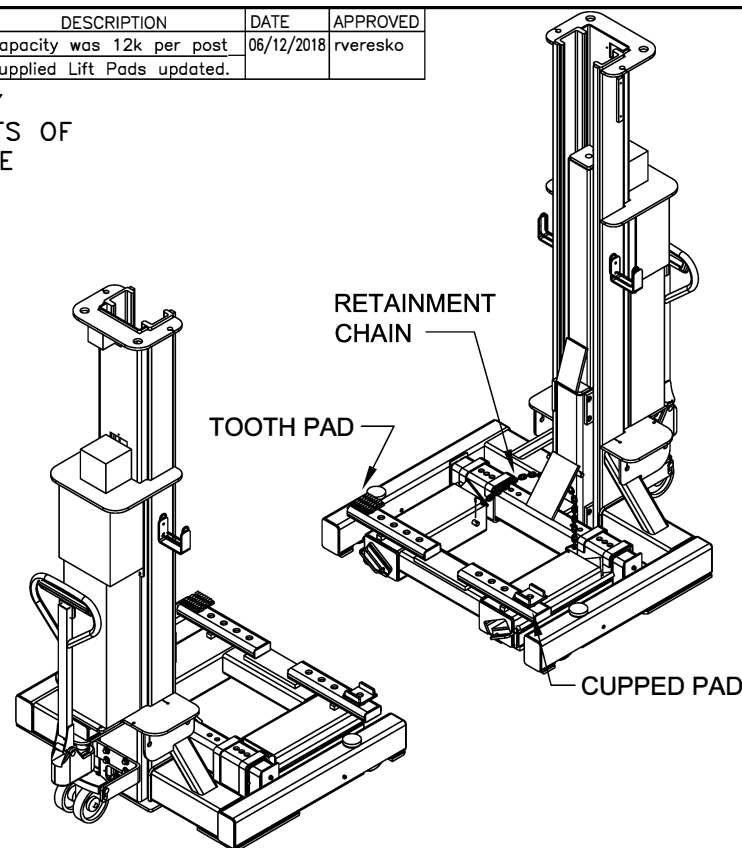
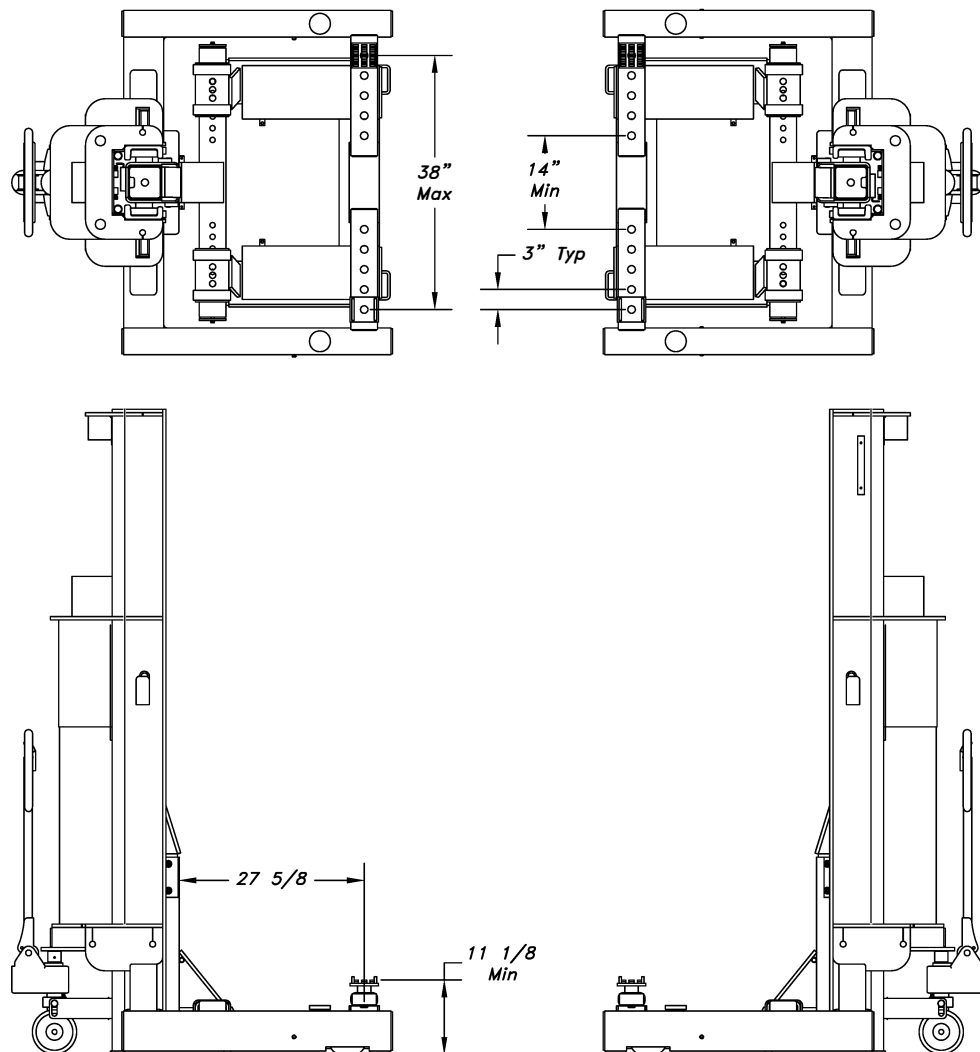
DRAWING NUMBER
MP-2500-Spec





THIS ACCESSORY HAS BEEN TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) TO MEET THE REQUIREMENTS OF ANSI/ALI ALCTV-2011 FOR AUTOMOTIVE LIFT CONSTRUCTION. FOR USE WITH MOHAWK MP-SERIES LIFTS WITH 22" FORKS.

#	DESCRIPTION	DATE	APPROVED
A	Capacity was 12k per post Supplied Lift Pads updated.	06/12/2018	rveresko



Front to Rear Bumper Adapters (22" Forks)

A.K.A. HMMWV ADAPTERS

A.K.A. U.S.A.F GENERATOR ADAPTER

These adapters slip over the standard forks of the Mohawk MP-18 Series lifts and convert the lift into a "2-Post Frame Engaging Lift" to lift vehicles by their bumpers (consult vehicle manufacturer for suitability of lifting in bumper region). This design is popular for lifting military HMMWV's.

Capacity: 13,000 lbs per post
(26,000 Lbs Total per PAIR of Columns)

Accessories include: (4) Lifting Pads, Square, 1" w/ Teeth
(4) Lifting Pads, Square, 1" Cupped
(4) 3" Height Adapters
(4) 6" Height Adapters

C-SIZE

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NOTES:

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2. UNLESS OTHERWISE SPECIFIED, SURFACE FINISH TO BE 125 RMS.
3. WELDING MEDIUM SHALL CONFORM TO AWS SPECIFICATIONS TO E-70XX ELECTRODES OR E-70TI CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:
ANGULAR $\pm 1^\circ$
FRACTIONAL $\pm .030$
DECIMAL $\pm .030$
0.XX $\pm .030$
0.XXX $\pm .005$

FILE NAME
MP-18 Options.dwg

NEXT ASSEMBLY

SCALE
1/16

CHECKED

DATE
8/2005

DRAWN
rww7089

APPROVED

WEIGHT
~550 LB.

MOHAWK LIFTS, LLC.

TITLE Mobile Post Lift (HMMWV Adapt)
Front to Rear Bumper Adapters

FROM
n/a

DRAWING NUMBER
MP-2500-Spec



FRAME CONTACT ADAPTERS

See next page for Frame Contact Adapters diagram and specifications.

The frame contact adapters are designed to convert a mobile column lift post pair into a frame engaging lift for wheels free servicing. These adapters are used with a pair of posts.

Directions for Use:

Drive the vehicle into the lifting area.

Slip the frame contact adapters over the forks of a master and slave post.

Drop the fork retainer pins in the holes at the carriages.

Locate posts at the both sides of the vehicle.

Locate lifting pads at desired locations to contact frame pick up points.

Ensure pads are at widest settings possible for stability.

Lift pair until pads engaged frame.

Verify proper frame engagement with pads.

Lift pair approximately 6 inches.

Shake truck slightly to ensure secure and balanced support of frame.

Operate lift as desired.

WARNING:

Due to the nature of this design where loading of the adapters is outside the base envelope of the posts, this is a non-certifiable option and voids the certification on the lift it is used on.

WARNING:

Any removal of components from vehicle while raised may alter the center of gravity of the vehicle and produce an unsafe or unstable condition of the vehicle or the lifting system that may cause injury to personnel or damage to equipment. Ensure vehicle center of gravity is always centrally located between the lifting pads. Use jack stands as an added measure of safety to ensure load stabilization.

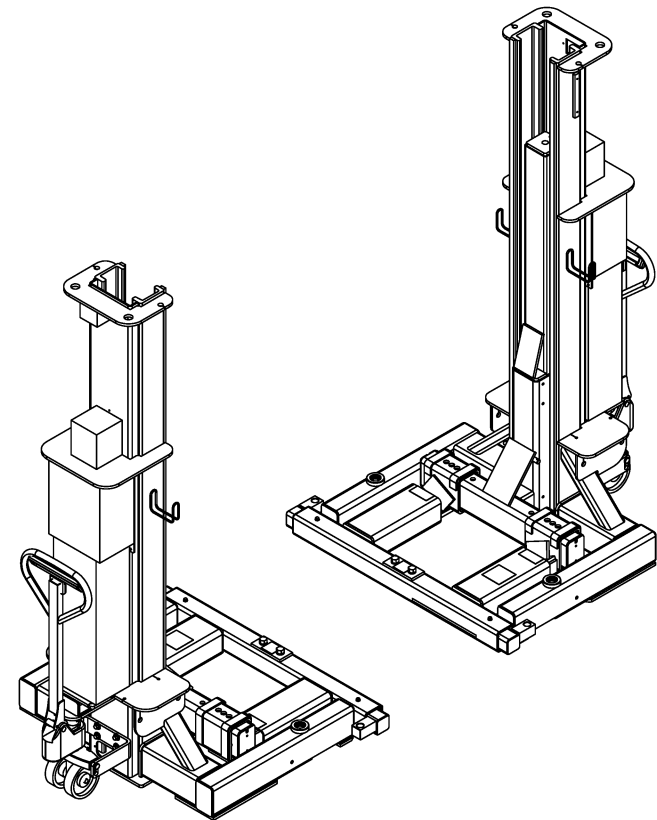
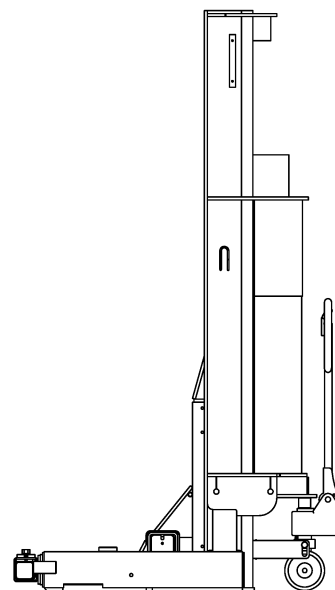
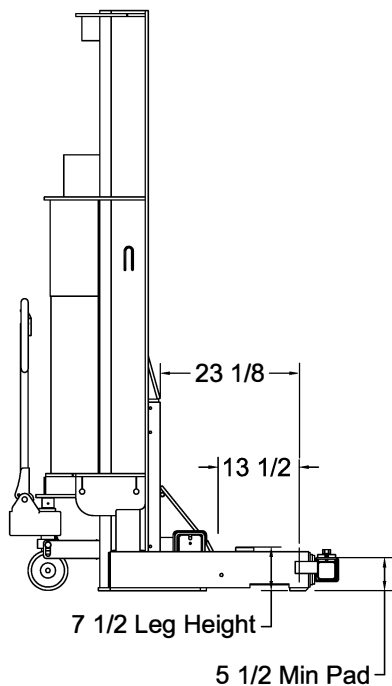
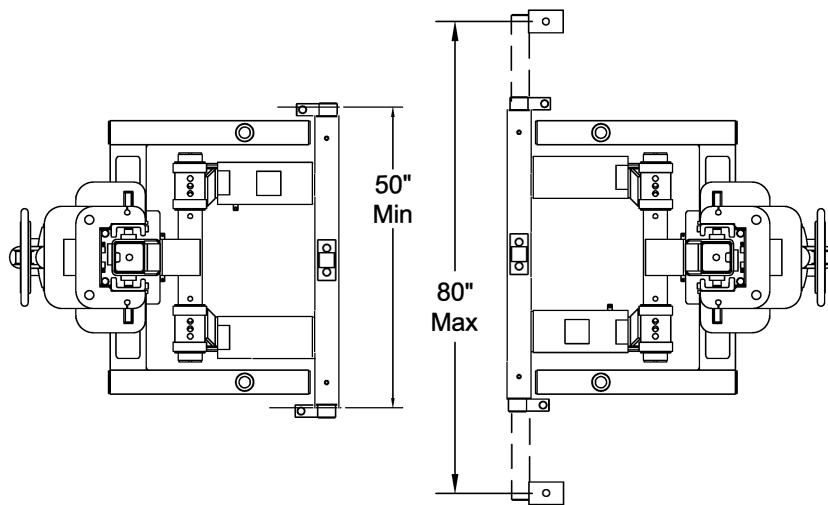
NOTICE:

The frame contact adapters are rated for 4,000 lbs per post (8,000 lbs per post pair)

Always ensure that the frame contact adapters are fully inserted over the lifting forks and retaining pins are inserted into carriage holes. Also, ensure that vehicle center of gravity is centered between the pads to prevent offset loading of posts.

Do not use these to pick up just one end of a vehicle only. Use adapters only in pairs.

The frame contact adapters are available in versions for use on Mohawk MP-Series 15" or 22" Long Fork lifts.



Auto Frame Contact Adapters (15" Forks)

These adapters slip over the standard forks of the Mohawk MP-18 Series lifts and convert the lift into a "2-Post Frame Engaging Lift".

Capacity: 4,000 lbs per Post
(8,000 lbs Total per Post pair)

Accessories include: (4) Lifting Pads
(4) 3" Height Adapters
(4) 6" Height Adapters

Note: Due to the nature of this design extending beyond the base frame of the posts, this is NOT a certified option and use of this option on a certified lift void the certification of the lift.

C-SIZE

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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: $\pm 1^\circ$
FRACTIONAL: $\pm .030$
DECIMAL: $\pm .030$
0.XX: $\pm .005$
0.XXX: $\pm .005$

FILE NAME: MP-18 Options.dwg

NEXT ASSEMBLY

SCALE: 1/16

CHECKED

DATE: 8/2005

DRAWN: rww7089

APPROVED

WEIGHT: ~500 LB.

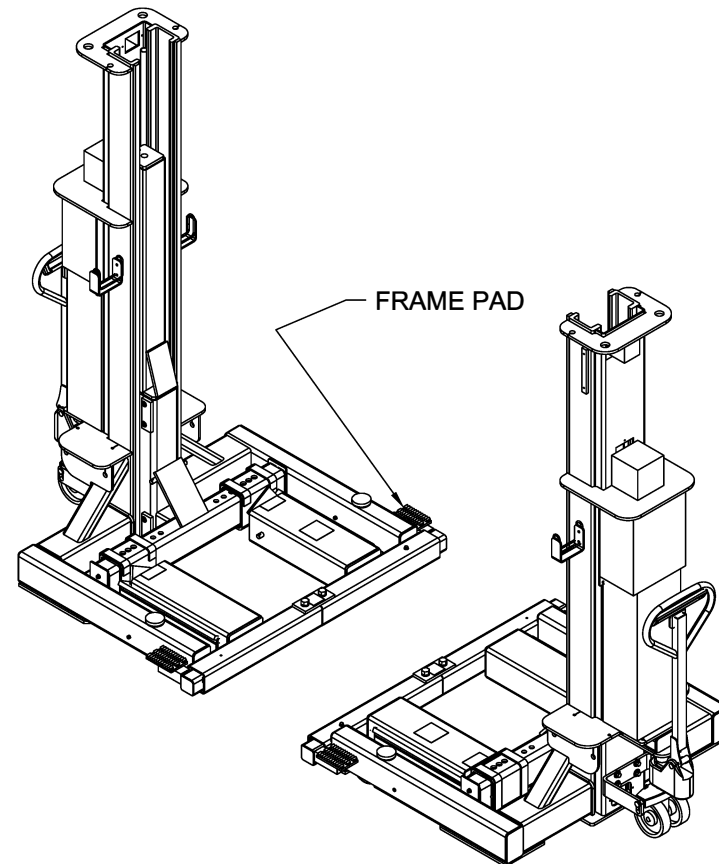
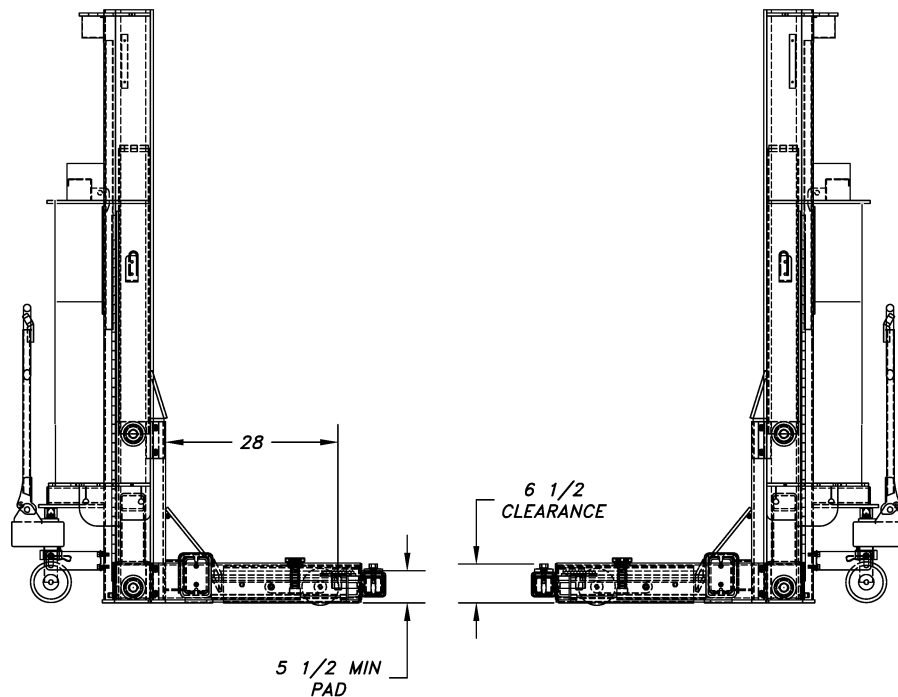
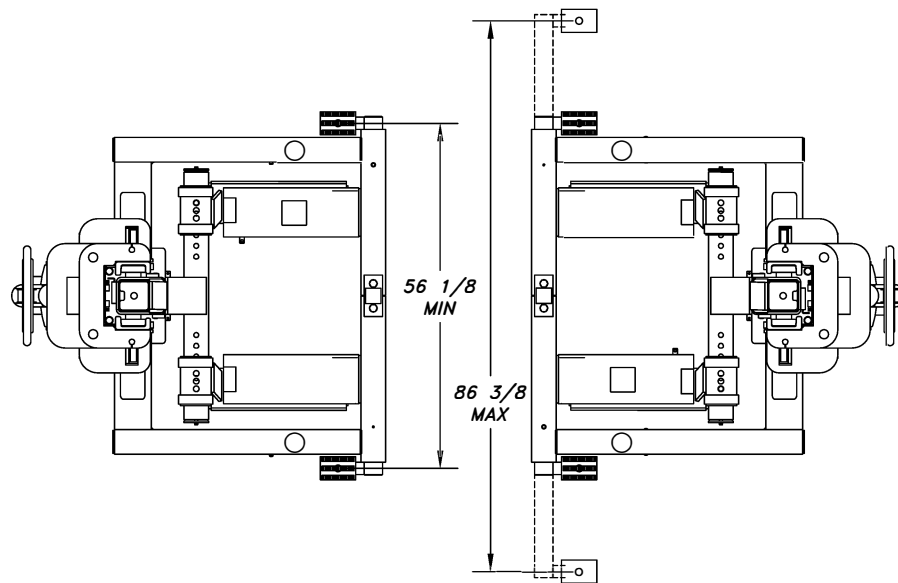
MOHAWK LIFTS, LLC.

TITLE: Mobile Post Lift Frame Contact Adapters

FROM: n/a

DRAWING NUMBER: MP-2100-Spec





Auto Frame Contact Adapters(22")

These adapters slip over the 22" forks of the Mohawk MP-18 Series lifts and convert the lift into a "2-Post Frame Engaging Lift".

Capacity: 3,500 lbs per Post
(7,000 lbs Total per Post pair)

Accessories include: (4) Lifting Pads
(4) 3" Height Adapters
(4) 6" Height Adapters

Note: Due to the nature of this design extending beyond the base frame of the posts, this is NOT a certified option and use of this option on a certified lift void the certification of the lift.

C-SIZE

NOTICE OF CONFIDENTIAL INFORMATION

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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-70TI CODE 5.3 FLUX CORE WIRE ONLY.

TOLERANCES:

ANGULAR $\pm 1^\circ$
FRACTIONAL $\pm .030$
DECIMAL:
0.XX $\pm .030$
0.XXX $\pm .005$

FILE NAME
MP-18-Options-Wider

NEXT ASSEMBLY

SCALE
1/16

CHECKED

DATE
8/2013

DRAWN
RV

APPROVED

WEIGHT
250 LB.

MOHAWK LIFTS, LLC.

TITLE Mobile Post Lift
Frame Contact Adapter, 22"

FROM

DRAWING NUMBER
MP-2100-Spec22"



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

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www.mohawklifts.com

SEND US YOUR PHOTOS!

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



VISIT WWW.MOHAWKLIFTS.COM/PR/ AND MAYBE WE CAN ADD YOUR PHOTOS TO OUR COLLECTION.
(JPG FORMATS PREFERRED)

E-MAIL YOUR PHOTOS AND COMMENTS TO:
PHOTOS@MOHAWKLIFTS.COM

BEST REGARDS & HAPPY LIFTING!

YOUR FRIENDS AT MOHAWK LIFTS