



Fulton County, GA

# Department of Purchasing & Contract Compliance

*Cecil S. Moore, CPPO, CPPB, CPSM, C.P.M., A.P.P*  
**Director**

**February 20, 2012**

**Re: 12ITB81746K-JAJ**  
**North Fulton Maintenance Building & Operations Center**

Dear: Bidders

Attached is one (1) copy of Addendum 3, hereby made a part of the above referenced Invitation to Bid.

Except as provided herein, all terms and conditions in the Invitation to Bid referenced above remain unchanged and in full force and effect.

Sincerely,

*James A. Jones*

**James A. Jones**  
**Assistant Purchasing Agent**

Winner 2000 - 2009 Achievement of Excellence in  
Procurement Award • National Purchasing Institute



**12ITB81746K-JAJ**  
**North Fulton Maintenance Building & Operations Center**  
**Addendum No.3**  
**Page Two**

**W-026 NORTH FULTON MAINTENANCE AND OPERATIONS CENTER**  
**ITB# 12ITB81476K-JAJ**  
**ADDENDUM NUMBER 3**

**VOLUME 1 – BIDDING INFORMATION**

1. No items.

**VOLUME II – PROJECT SPECIFICATIONS**

1. In the Project Specifications, Table of Contents, Division 11-Equipment add the following:

118900 Vehicle Exhaust Removal System.

2. In Section 101423 Panel Signage, in paragraph 2.2, subparagraph C delete the following text “UFC 3-120-01” and substitute the following text “drawings”.
3. In Section 101423 Panel Signage, in paragraph 2.3, subparagraph B.1, delete the following text “UFC 3-120-01” and substitute the following text “drawings”.
4. In Section 101423 Panel Signage add Paragraph 3.2 as follows:

**3.2 Sign Schedule**

1. At all interior doors in the Administration and Warehouse Building, Maintenance Building and Greenhouse Office Building adjacent to each door provide and install Office Identification Sign Type BB2.
2. At all interior Restroom doors in the Administration and Warehouse Building, Maintenance Building and Greenhouse Office Building adjacent to each door provide and install Restroom Sign Type BB7.
3. In the Administration and Warehouse Building, provide and install 2 Directional Sign Type CC2 at locations as directed by the Owner’s Representative.
4. At all exterior doors in the Administration and Warehouse Building, Maintenance Building and Greenhouse Office Building adjacent to each door provide and install Exterior Entry Identification Sign Type B4.

5. Add Section 118900 Vehicle Exhaust Removal System dated, issued 02/14/12.
6. In Section 115500 Vehicle Wash Equipment, in paragraph 2.1, subparagraph A 1a. revise phone number reading "(971) 424-3531" to read "(972) 424-3531 ext 202."
7. In Section 115500 Vehicle Wash Equipment, in paragraph 2.1, subparagraph A.2, under Standard Functions revise sentence reading "High Pressure Sop" to read "High Pressure Soap"
8. Delete Section 144501 Heavy Duty platform Lift and substitute Section 144501 Heavy Duty platform Lift dated "Reissued 02/14/12".
9. Delete Section 154820 Lubrication Equipment and substitute Section 154820 Lubrication Equipment dated "Reissued 02/14/12".
10. In Section 323113.53 High-Security Chain Link Fences and Gates, paragraph 2.3, subparagraph A.2, which reads "Location: Extended along top of barbed wire arms and top of fence fabric for supporting barbed tape." Revise sentence to read as follows: "Location: Extended along top of barbed wire arms and top of fence fabric for supporting barbed wire."
11. In Section 323113.53 High-Security Chain Link Fences and Gates, paragraph 3.1, subparagraph A, delete the following text: "[a verified survey of property lines and legal boundaries]." Revised sentence to read as follows: "Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, and other conditions affecting performance."
12. In Section 323113.53 High-Security Chain Link Fences and Gates, paragraph 3.4, subparagraph B.2a., delete the following text: "[or to same elevation as concrete grade beam]." Add sentence to read as follows: Exposed Concrete: Extend 2 inches (51 mm) above grade; shape and smooth to shed water.
13. In Section 323113.53 High-Security Chain Link Fences and Gates, paragraph 3.6, subparagraph D.2, delete text which reads as follows: Each Barbed Tape Coil: Make grounding connections to barbed tape with connectors designed for this purpose.
14. In Section 323113.53 High-Security Chain Link Fences and Gates, paragraph 3.7, delete subparagraph B, which reads as follows: "Stone Ground Cover: Lay continuous 3-inch- (75-mm-) deep bed of crushed stone or washed gravel over soil separation fabric."
15. In Section 323113.53 High-Security Chain Link Fences and Gates, paragraph 2.11, subparagraph B. delete the following text: "Metallic-Coated Steel Tension Wire: PVC-coated wire complying with ASTM F 1664, Class [1] [2a] [2b]." add sentence to read as follows: "PVC-coated wire complying with ASTM F 1664, Class 2a or 2b."
16. In Section 323113.53 High-Security Chain Link Fences and Gates, paragraph 2.11, subparagraph C delete the following text: "Aluminum Barbed Wire: PVC-coated wire complying with ASTM F 1665, Class [1] [2a] [2b]." add sentence to read as follows: "Aluminum Barbed Wire: PVC-coated wire complying with ASTM F 1665, Class 2a or 2b."
17. In Section 15950 Automatic Controls, paragraph 1.07, subparagraph F. add the text "Siemens" after the word "Carrier".
18. In Section 107300 Aluminum Walkway Covers (Pre-engineered Canopies), paragraph 2.1, subparagraph A.1. add the following text:
  - c. Mitchell Metals, LLC.

## **VOLUME III - CONSTRUCTION DRAWINGS**

1. Reissue the following sheets:  
Sheet A-113 Maintenance Equipment Plan, dated Revision 2, 02/14/12.
2. Issue the following sheets:  
Sheet I-111 Signage Details, dated issued, 02/14/12.  
Sheet I-112 Signage Details, dated issued, 02/14/12.
3. On Sheet G-001, Cover Sheet, Drawing Index and Site Map, in the Drawing List under "Interiors" add the following:  
I-111 Signage Details  
I-112 Signage Details
2. On Sheet ES-101, Electrical Site Plan, under Key Notes (Apply to Site Lighting and Gates Only) Delete Keynote 9 and replace with Keynote 9 as follows: 70 WATT COMPACT FLOOD LIGHT WITH A WIDE OPTIC AND ATOP A 18" STANCHION KNUCKLE FITTER, ELECTRONIC BALLAST MULTIVOLT, BOTH FLOOD AND STANCHION HAVE BLACK FINISHES. CATALOG NO: HOLPHANE: H700-70M-MS-FL-KM-WMSA18-GEB-LP1-BK  
BACK TILIT: 6FT  
2#10, 1#12 GND, 1" PVC CONDUIT. CONNECT TO PANEL LP3 CIRCUIT #40 VIA LIGHTING CONTACTOR LC-1.
3. On Sheet E-101, Electrical Administration Building 1<sup>st</sup> Floor Lighting change 8 2x2 light fixtures in Corridor H along column line 6 between columns D-4 and G shown as Type B to read Type B1.
4. On Sheet E-603, Electrical Panel Board Schedules, under the Lighting Fixture Schedule for TAG designations Fixtures A, A1, B, B1, C, C1, D, F, F1, F2, F3, G, H, J, K, L, OA21, OA31, OA32, OA34, OA41, OA42, OA43, OB, X and M under the MFGR heading add "Subject to requirements, Phillips is an approved manufacturer."

### **ATTACHMENT # 1- Specification and Revised Drawings**

### **ATTACHMENT # 2- Plan Holders List as of February 17, 2012**

ACKNOWLEDGEMENT OF ADDENDUM NO.3

The undersigned proposer acknowledges receipt of this addendum by returning one (1) copy of this form with the proposal package to the Department of Purchasing & Contract Compliance, Fulton County Public Safety Building, 130 Peachtree Street, Suite 1168, Atlanta, Georgia 30303 by the ITB due date and time **February 27, 2012, 11:00 A.M.**

This is to acknowledge receipt of Addendum No. 3, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Legal Name of Bidder

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Title

## SECTION 144501 – HEAVY DUTY PLATFORM LIFTS

## PART 1 – GENERAL

## 1.0 WORK INCLUDED

1. This specification sets forth the requirements for the purchase of heavy duty Parallelogram or half-scissors type platform lift(s) to permit lifting vehicles having wheelbase dimensions up to 320 inches when measured from front-most wheel hub to rear-most wheel hub. Installation of this equipment shall require no in-ground posts, pits, or special foundations. Above ground full-scissors, post, or column type lifts are not acceptable.
2. Equipment shall be new, furnished with all specified materials for installation when delivered. Used or reconditioned equipment will not be accepted.
3. Equipment shall comply with all applicable Federal and State safety regulations and codes, and OSHA, UL, AWS, NEC and ANSI/ALI ALCTV-1998 standards.
4. All material thickness and structural dimensions are minimums. Dimensional tolerances, unless noted, are as follows: +/- 0.25 inch for dimensions less than ten inches; +/- 1.0 inch for dimensions from ten inches to five feet inclusive, +/- 3.0 inch for dimensions greater than five.

## PART 2 – PRODUCTS

## 2.1 Platform lift capacity 75,000 lb. surface mounted

## A. Manufacturers: Reference:

1. Basis of Design: Specifications are based on equipment identified by manufacturer's name and model number to establish minimal acceptable standards of features, quality, performance and construction.

a. Rotary lift a Dover Company, Madison, IN, 1.800.640.5438.  
Model 75/30S

2. Alternate Manufacturers: Contingent upon compliance with specifications and documentation requirements set forth in submittals section, equipment produced by other manufacturers may be considered as equal.

a. Steril-Koni USA, Stevensville, MD, 1.800.336.6637

## B. Capacity/Dimensional/Features/Performance/Construction

1. Complete assembly shall consist of an electro-hydraulic lift unit, a control console and any accessories as specified herein. The control console shall be connected by required lengths of stainless steel hydraulic pipe or steel reinforced hydraulic hose, nylon compressed air line and electrical cable approved for use in the lift units eventual installed location.
2. Sufficient lengths of hydraulic pipe or hose, air line and electrical cable shall be supplied with the lift to permit locating the control console 50 feet (minimum) from the connections on the

lift unit.

3. A minimum of 10 feet of 0.125 inch thick diamond-plate cover shall be supplied to protect these interconnections from abrasion, wear and damage when interconnections are surface mounted.
4. Hydraulic interconnections shall have standard JIC fittings throughout.
5. Lifting capacity: 37.5 tons (75,000 lbs.) per lift unit, minimum, as certified by an Independent National Research Test Laboratory.
6. Minimum lifting height from floor level to bottom of tires: 63 inches, minimum. Lifting unit shall permit lifting of vehicle to any height up to this full amount with a minimum of 8 locking positions distributed throughout the lifts travel.
7. First lock position shall be 24 inches minimum to allow comfortable and safe brake/tire work at this height.

C. Platform dimensions.

1. Platform length: 360 inches.
2. Platform width: 30 inches.
3. Spacing between platforms: 45 inches.
4. Overall width: 109 inches maximum.
5. Overall length including drive-on and drive-off ramps: 606 inches maximum.
6. Collapsed height: 12 7/8 inches maximum.
7. Lift Unit - Shall be labeled and listed by a Nationally Recognized Testing Laboratory as established by OSHA for conformance to ANSI/ALI ALCTV-1998 for Automotive Lifts - Safety Requirements for the Construction, Care, and Use, and UL201.
8. Support leg joints shall be provided with wear resistant bushings at the cylinder to leg connection, the leg to platform connection, and leg to lower leg bracket connection, where stresses are at a maximum, for extended lift life and easy repair.
9. Each platform shall be constructed of 0.375 inch thick steel plate supported by 0.250 inch thick steel beams.
10. Each platform shall have a wheel chock constructed of 0.375 inch thick steel plate mounted to the front and rear of the lift to prevent a vehicle from rolling off the end of the lift when raised more than 12 inches.

D. Chocks

1. Chocks shall automatically swing into position as the lift is raised and automatically recede when lowered.
2. Each wheel chock shall not reduce the effective length of lifting platforms by more than 6 inches.
3. Wheel chocks and wheel stops shall be interchangeable to permit locating drive-on ramps to the front or rear of the lift unit.
4. Chocks shall be securely pinned to platform to prevent casual removal by shop personnel.
5. Chock design shall provide for a minimum of 2 inches upward movement to prevent injury to personnel or damage to lift unit in the event of obstruction between lift unit and wheel chock.

E. Leveling/Anchoring provisions.

1. The base of each lifting member shall provide for a minimum of 1 inch vertical adjustment. The adjustment of one lifting member shall be independent of adjustment of a different lifting member to accommodate uneven slab shifting/settling.
2. The base of each lifting member shall be pre-drilled to accept anchoring bolts adequately

- sized for the loads imposed during lift operation.
3. There shall be no fixed obstructions between lifting platforms.
  4. There shall be no floor obstructions between lifting legs. Lift unit shall be of clear floor design to eliminate trip hazards and permit free movement of personnel and rolling equipment without obstruction.
- F. Drive-on ramps.
1. Drive-on ramps shall be constructed of 0.25 inch steel plate supported by 0.25-inch thick steel beams.
  2. Drive-on ramps shall be supplied with adjustable side members or shims to allow for a minimum of 3 inches vertical adjustment to accommodate uneven or non-level floor surfaces.
  3. Each drive-on ramp shall be pre-drilled to accept anchoring bolts to prevent movement.
  4. The drive-on ramps shall have a skid resistant surface to provide for best possible traction.
  5. The lifting platforms shall have a non-skid coating applied to their upper surface.
- G. Hydraulic system
1. All hydraulic system components shall comply with section 1.1.2 above.
  2. Each hydraulic cylinder shall have a flow check integrally mounted to prevent collapse in the event of a major fluid leak.
  3. Hydraulic cylinders shall be mounted to the underside of the lifting platforms away from sources of dirt, grime, and damage from falling objects.
  4. All hydraulic hoses shall be of steel reinforced construction and have standard JIC fittings throughout.
  5. The lift shall be driven by a hydraulic gear pump, capable of supplying the appropriate PSI and GPM to operate the lift.
  6. The lift shall be able to be lowered from any raised position by operation of a manual pump and valving.
- H. Safety locks
1. Steel safety locks with a safety factor of not less than 3:1 shall be mounted one set to each lifting cylinder and shall allow the lift to be locked at a minimum of 8 different levels. These locks shall ensure a minimum amount of travel in the event of a hydraulic fluid leak and shall maintain the height of the lift in that situation.
  2. The safety locks shall be automatically disengaged when the lift "Lower" control is operated, and automatically re-engaged when the lift "Lower" control is released.
  3. The safety locks shall be automatically engaged as the lift ascends. This will ensure positive lock engagement when raising the lift in the event of hydraulic failure.
  4. The lift shall have full length continuous safety tapeswitch mounted to the lower surface of the main lifting platform. Safety tapeswitch will be located on the outside of both platforms. When any of these tapeswitches are displaced horizontally or vertically, the lift will stop.
- I. Control console shall house the following equipment:
1. Oil reservoir, suction strainer, low pressure return filter, hydraulic gear pump and manual pump.

2. Electric motor; 208/230/460 volt 3 phase 60 Hz TEFC, 20 HP minimum. Motor shall not require rework for replacement.
3. Electrical enclosures for control components shall be NEMA 12 rated (minimum) and have the following controls mounted on them while still maintaining their sealing ability:
4. System disconnect
  - "Power-On" pilot lamp
  - "Raise" and "Lower" controls and "Press to lock lift" control
  - "Operator Lock-Out" pilot lamp
5. The control system shall be operated by a Programmable Logic Control (PLC) and lock-out all operations of lift controls if an unsafe condition exists due to insufficient air pressure to operate safety locks; displaced safety tapeswitch or uneven platform heights. This lock-out shall not be able to be reset unless unsafe condition has been corrected.
6. The control system shall ensure that lifting platforms differ in height by no more than 2 inches. If platforms become uneven by a greater amount, the lift shall stop and lock-out operator.
7. The control system shall be tested and approved by a Nationally Recognized Testing Laboratory as established by OSHA to UL 508.

J. Lighting System

1. Main lifting platforms shall have lights supplied by lift manufacturer installed on their inner edges to illuminate the work area beneath the vehicle when raised on the lift.
2. Lighting system shall consist of six (6) individual lamp units. Lamp units shall be installed evenly spaced, three (3) to each platform.
3. Individual lamp units shall be of unitized water-proof construction and be supplied with any ballast/starter assembly required for the individual lamp unit.
4. Lighting system shall turn on automatically when lift unit is raised above 22 inches, (18 inch lamp height), and shall turn off automatically when lift unit descends below 22 inches as per National Electric Code Section 511-1 through 511-3.
5. Lamp units shall be installed in a recessed area of the main lifting platforms to be protected from damage caused by falling objects.
6. Bulbs of individual lamp units shall be protected by clear shatter-proof enclosures which shall shield personnel and act to contain glass fragments in the event of bulb breakage.

K. Accessory Jack, pneumatically powered, 50,000 lb. capacity

1. Accessory jack shall be of the rolling bridge type; capable of travel from the front-most edge of the main lifting unit platform to the rear-most edge of the main lifting unit platform.
2. Accessory jack shall house two independent hydraulic bottle jacks to permit localized raising of a vehicle for work on the wheels and tires.
3. Accessory jack shall be adjustable along the length of the main lifting unit platform by riding on track mounted, lubricated for life, ball bearing type, spring loaded wheels. The wheel assemblies shall be caged within the accessory jack structure to prevent damage to the wheels when jack frame is run against jack stops at platform ends.
4. Independent hydraulic bottle jacks shall be adjustable side-to-side along the accessory jack frame to provide a minimum spacing of 35" center-to-center between jack cylinders in order to accommodate a wide variety of vehicles.

5. Accessory jack shall be operable by deadman controls and valving mounted on the jack frame.
6. By manipulating the push buttons, either bottle jack, or both, shall respond when operating the UP or DOWN controls. This shall allow the level lifting of a vehicle at two points on the vehicle that are different heights from the ground.
7. Lifting capacity of accessory jack: 50,000 lbs. (minimum)
8. Accessory jack shall be supplied with lifting adapters to provide for secure lifting of both front and rear axles.
9. Accessory jack shall require no more than 100 PSIG air supply for lifting loads at rated capacity.
10. Accessory jack shall be powered by integrally mounted air motor/pump/reservoir assemble(s) mounted to the accessory jack frame.
11. Accessory jack will not be permitted to ride on top of the upper platform where jack can interfere with vehicle tires.

## 2.2 Platform lift, 50,000 lb. capacity, surface mounted

### A. Manufacturer reference

1. Basis of Design: specifications are based on equipment identified by manufacturers name and model number to establish minimal acceptable standards of features, quality, performance and construction.

- a. Rotary Lift a Dover Company, Madison IN, T.800.640.5438.  
Model 50/26S

2. Alternate manufacturers: Contingent upon compliance with specifications and documentation requirements set forth in submittals section, equipment produced by other manufacturers may be considered as equal.

- a. Stertil-Koni USA, Stevensville, MD, T.1.800.336.6637

### B. Capacity/Dimensional/Features/Performance/Construction

1. Complete assembly shall consist of an electro-hydraulic lift unit, a control console and any accessories as specified herein. The control console shall be connected by required lengths of stainless steel hydraulic pipe or steel reinforced hydraulic hose, nylon compressed air line and electrical cable approved for use in the lift units eventual installed location.
2. Sufficient lengths of hydraulic pipe or hose, airline and electrical cable shall be supplied with the lift to permit locating the control console 50 feet (minimum) from the connections on the lift unit.
3. A minimum of 10 feet of 0.125 inch thick diamond-plate cover shall be supplied to protect these interconnections from abrasion, wear and damage when interconnections are surface mounted.
4. Hydraulic interconnections shall have standard JIC fittings throughout.
5. Lifting capacity: 25 tons (50,000 lbs.) per lift unit, minimum as certified by an independent national test research laboratory.
6. Minimum lifting height from floor level to bottom of tires: 63 inches, minimum. Lifting

unit shall permit lifting of vehicle to any height up to this full amount with a minimum of 8 locking positions distributed throughout the lifts travel.

7. First lock position shall be 24 inches minimum to allow comfortable and safe brake/tire work at this height.

C. Platform dimensions.

1. Platform length: 312 inches.
2. Platform width: 30 inches.
3. Spacing between platforms: 45 inches.
4. Overall width: 109 inches maximum.
5. Overall length including drive-on and drive-off ramps: 567 inches maximum.
6. Collapsed height: 14 inches maximum.
7. Lift Unit - Shall be labeled and listed by a Nationally Recognized Testing Laboratory as established by OSHA for conformance to ANSI/ALI ALCTV-1998 for Automotive Lifts - Safety Requirements for the Construction, Care, and Use, and UL201.
8. Support leg joints shall be provided with wear resistant bushings at the cylinder to leg connection, the leg to platform connection, and leg to lower leg bracket connection, where stresses are at a maximum, for extended lift life and easy repair.
9. Each platform shall be constructed of 0.375 inch thick steel plate supported by 0.250 inch thick steel beams
10. Each platform shall have a wheel chock constructed of 0.375 inch thick steel plate mounted to the front and rear of the lift to prevent a vehicle from rolling off the end of the lift when raised more than 12 inches.

D. Chocks

1. Chocks shall automatically swing into position as the lift is raised and automatically recede when lowered.
2. Each wheel chock shall not reduce the effective length of lifting platforms by more than 6 inches.
3. Wheel chocks and wheel stops shall be interchangeable to permit locating drive-on ramps to the front or rear of the lift unit.
4. Chocks shall be securely pinned to platform to prevent casual removal by shop personnel.

E. Leveling/Anchoring provisions.

1. The base of each lifting member shall provide for a minimum of 1 inch vertical adjustment. The adjustment of one lifting member shall be independent of adjustment of a different lifting member to accommodate uneven slab shifting/settling.
2. The base of each lifting member shall be pre-drilled to accept anchoring bolts adequately sized for the loads imposed during lift operation.
3. There shall be no fixed obstructions between lifting platforms.
4. There shall be no floor obstructions between lifting legs. Lift unit shall be of clear floor design to eliminate trip hazards and permit free movement of personnel and rolling equipment without obstruction.

F. Drive-on ramps.

1. Drive-on ramps shall be constructed of 0.25 inch steel plate supported by 0.25-inch thick steel beams.

2. Drive-on ramps shall be supplied with adjustable side members or shims to allow for a minimum of 3 inches vertical adjustment to accommodate uneven or non-level floor surfaces.
3. Each drive-on ramp shall be pre-drilled to accept anchoring bolts to prevent movement.
4. The drive-on ramps shall have a skid resistant surface to provide for best possible traction.
5. The lifting platforms shall have a non-skid coating applied to their upper surface.

G. Hydraulic system

1. All hydraulic system components shall comply with section 1.1.2 above.
2. Each hydraulic cylinder shall have a flow check integrally mounted to prevent collapse in the event of a major fluid lead.
3. Hydraulic cylinders shall be mounted to the underside of the lifting platforms away from sources of dirt, grime, and damage from falling objects.
4. All hydraulic hoses shall be of steel reinforced construction and have standard JIC fittings throughout.
5. The lift shall be driven by a hydraulic gear pump, capable of supplying the appropriate PSI and GPM to operate the lift.
6. The lift shall be able to be lowered from any raised position by operation of a manual pump and valving.

H. Safety locks

1. Steel safety locks with a safety factor of not less than 3:1 shall be mounted one set to each lifting cylinder and shall allow the lift to be locked at a minimum of 8 different levels. These locks shall ensure a minimum amount of travel in the event of a hydraulic fluid leak and shall maintain the height of the lift in that situation.
2. The safety locks shall be automatically disengaged when the lift "Lower" control is operated, and automatically re-engaged when the lift "Lower" control is released.
3. The safety locks shall be automatically engaged as the lift ascends. This will ensure positive lock engagement when raising the lift in the event of hydraulic failure.
4. The lift shall have full length continuous safety tapeswitch mounted to the lower surface of the main lifting platform. Safety tapeswitch will be located on the outside of both platforms. When any of these tapeswitches are displaced horizontally or vertically, the lift will stop.

I. Control console shall house the following equipment:

1. Oil reservoir, suction strainer, low pressure return filter, hydraulic gear pump and manual pump.
2. Electric motor; 208/230/460 volt 3 phase 60 Hz TEFC, 15 HP minimum. Motor shall not require rework for replacement.
3. Electrical enclosures for control components shall be NEMA 12 rated (minimum) and have the following controls mounted on them while still maintaining their sealing ability:
4. System disconnect  
"Power-On" pilot lamp  
"Raise" and "Lower" controls and "Press to lock lift" control  
"Operator Lock-Out" pilot lamp
5. The control system shall be operated by a Programmable Logic Control (PLC) and lock-out all operations of lift controls if an unsafe condition exists due to insufficient

air pressure to operate safety locks; displaced safety tapeswitch or uneven platform heights. This lock-out shall not be able to be reset unless unsafe condition has been corrected.

8. The control system shall ensure that lifting platforms differ in height by no more than 2 inches. If platforms become uneven by a greater amount, the lift shall stop and lock-out operator.
9. The control system shall be tested and approved by a Nationally Recognized Testing Laboratory as established by OSHA to UL 508.

J. Lighting System

1. Main lifting platforms shall have lights supplied by lift manufacturer installed on their inner edges to illuminate the work area beneath the vehicle when raised on the lift.
2. Lighting system shall consist of six (6) individual lamp units. Lamp units shall be installed evenly spaced, three (3) to each platform.
3. Individual lamp units shall be of unitized water-proof construction and be supplied with any ballast/starter assembly required for the individual lamp unit.
4. Lighting system shall turn on automatically when lift unit is raised above 22 inches, (18 inch lamp height), and shall turn off automatically when lift unit descends below 22 inches as per National Electric Code Section 511-1 through 511-3.
5. Lamp units shall be installed in a recessed area of the main lifting platforms to be protected from damage caused by falling objects.
6. Bulbs of individual lamp units shall be protected by clear shatter-proof enclosures which shall shield personnel and act to contain glass fragments in the event of bulb breakage.

K. Accessory Jack, pneumatically powered, 25,000 lb. capacity

1. Accessory jack shall be of the rolling bridge type; capable of travel from the front-most edge of the main lifting unit platform to the rear-most edge of the main lifting unit platform.
2. Accessory jack shall house two independent hydraulic bottle jacks to permit localized raising of a vehicle for work on the wheels and tires.
3. Accessory jack shall be adjustable along the length of the main lifting unit platform by riding on track mounted, lubricated for life, ball bearing type, spring loaded wheels. The wheel assemblies shall be caged within the accessory jack structure to prevent damage to the wheels when jack frame is run against jack stops at platform ends.
4. Independent hydraulic bottle jacks shall be adjustable side-to-side along the accessory jack frame to provide a minimum spacing of 35" center-to-center between jack cylinders in order to accommodate a wide variety of vehicles.
5. Accessory jack shall be operable by deadman controls and valving mounted on the jack frame.
6. By manipulating the push buttons, either bottle jack, or both, shall respond when operating the UP or DOWN controls. This shall allow the level lifting of a vehicle at two points on the vehicle that are different heights from the ground.
7. Lifting capacity of accessory jack: 25,000 lbs. (minimum)
8. Accessory jack shall be supplied with lifting adapters to provide for secure lifting of both front and rear axles.
9. Accessory jack shall require no more than 100 PSIG air supply for lifting loads at rated capacity.
10. Accessory jack shall be powered by integrally mounted air motor/pump/reservoir

- assemble(s) mounted to the accessory jack frame.
11. Accessory jack will not be permitted to ride on top of the upper platform where jack can interfere with vehicle tires.

### PART 3 – EXECUTION

#### 4.1 INSPECTION

- A. Coordinate location of rough-in work and utility stub-outs to assure match with equipment to be installed.
- B. Inspect delivered equipment for damage from shipping and exposure to weather. Compare delivered equipment with packing lists and specifications to assure receipt of all equipment items and specified accessories.
- C. Report in writing to the Architect, any damaged, missing or incomplete scheduled equipment and improper rough-in or utility stub-outs.

#### 3.2 INSTALLATION

- A. Perform work under direct supervision of Foreman or Construction Superintendent with authority to coordinate installation of scheduled equipment with the Architect.
- B. Install equipment in accordance with plans, shop drawings, and manufacturer's instructions:
  1. Positioning: Place equipment in accordance with any noted special positioning requirements generally level (or slight slope as required by instructions), plumb, and at right angles to adjacent work.
  2. Fitting: Where field cutting or trimming is necessary, perform in a neat, accurate, professional manner without damaging equipment or adjacent work.
  3. Anchorage: Attach equipment as directed by Architect or designated representative. Installation fasteners shall be installed to avoid scratching or damaging adjacent surfaces.
  4. Upon completion of work, finish surfaces shall be free of tool marks, scratches, blemished, and stains.

#### 3.3 TESTING

- A. After final connections are made and prior to authorizing payment, specified equipment shall be tested for compliance with specifications in the presence of the Architect or designated representative using acceptance procedures provided by the manufacturer.

#### 3.4 CLEANUP

- A. Touch-up damage to painted finishes.
- B. Wipe and clean equipment of any oil, grease, and solvents, and make ready for use.
- C. Clean area around equipment installation and remove packing and installation debris from job site.

D. Notify Architect or designated representative for acceptance inspection.

3.5 TRAINING

A. Direct the technical representative to provide specified hours of training to designated Owner's maintenance, personnel in operation and maintenance of the following equipment. Coordinate, with Owner, training schedule and list of personnel to be trained.

1. Each platform lift: 1 hour

B. Demonstrate lift operation utilizing each of the vehicle types operated by Owner.

C. Obtain, from technical representative, a list of Owner's personnel trained in equipment operations and maintenance.

END OF SECTION 144501

## SECTION 15482 – LUBRICATION EQUIPMENT

## PART 1 - GENERAL

## 1.1 SUMMARY

- A. This Section includes the following:
1. The following equipment shall be furnished under this division of the work. Subject to compliance with requirements provide products as manufactured by Graco or comparable products by other manufacturers.
  2. The Contractor shall have available and in-stock replacement parts to make any repair to the equipment when necessary.
  3. The Contractor shall have available factory trained mechanics able to perform all necessary repair work on the equipment.
  4. Piping for chassis grease lines, motor oil lines, gear oil lines, and transmission oil lines is specified as work under this section.
  5. Piping for air lines and water lines and respective installation and connection is work specified under a Division-15 specification section.
  6. All lubrication equipment shall be supplied by one (1) manufacturer. Intermixing of equipment brands to meet job requirements shall not be acceptable. All equipment shall be manufactured and assembled in America.

## 1.2 SUBMITTALS

- A. Product Data: For all equipment.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work. Show layout of all piping and dimensioned locations for all equipment.
- C. Warranty: Submit Warranty.
- D. Operations and Maintenance: Submit Operations and Maintenance Information in one bound notebook, (3 copies).

## PART 2 - PRODUCTS

## 2.1 Equipment

## A. FLUID MANAGEMENT SYSTEM

1. Management System shall be installed to manage and control lubricating oils and anti-freeze mixtures. All service fluid inventories shall be managed from the original bulk tank supply, to the dispensing of the service fluid into the vehicle, and back to the used fluid container. Dispense and tank level information shall be communicated via 2.4GHz (IEEE 082.15.4) RF wireless technology to the customer's stand-alone or networked PC via Transceiver(s). The Owner will supply all computers or server equipment necessary to run dispense system software. The system components shall include Meters/Dispense Handles, Transceiver(s), Tank Level Monitors (TLM), and Computer software as described below.
2. Meters/Dispense Handles shall be capable of indoor and outdoor dispense applications. Meter/Dispense Handle should be designed with a trigger guard to prevent accidental triggering of the valve. Dispense kits (extension and nozzle) must be designed with a "straight-thread O-ring boss" design to eliminate potential leakage during operation. Meters must have an operational flow range of 0.1-5 gpm and a maximum working pressure of 1500 psi. A fluid naming banner shall be provided (via LCD readout) that will be programmed to display on the face of the meter the fluid that is being dispensed. Meters must operate on (4) AA alkaline or lithium batteries for long life. All meters/dispense handles shall be supplied with a 5 year limited warranty and shall be able to operate in a manual or pre-set mode.
3. Transceiver shall transmit and receive signal from Dispense Handle/Meters, Pump Air Control Valves, and TLM's via RF communication 2.4 GHz IEEE 082.15.4. Transceiver communicates to PC via USB cable (15ft maximum). When longer distance is required, the Transceiver USB cable can be converted to RS 422 cable and extend up to 4000ft using a USB/RS422 converter and connector kit supplied by manufacturer.. Unobstructed RF range is 300-500 feet and obstructed RF range is 250-300 feet based on typical fleet applications.
4. Tank Level Monitors shall use Ultrasonic 40 KHz signal to provide tank level and volume information for both new and used non-pressurized surface mounted oil and coolant tanks in an operating range from 0 – 30ft and accuracy of + 0.5% of total length. TLM's operate on (2) 9 VDC alkaline batteries and shall fit a standard 2"npt bung fitting and shall meet IP65 environmental protection class standards for indoor and outdoor use. The TLM is not to be used with fluids with an auto ignition flash point below 419°F, like gasoline, diesel fuel, and other flammable liquids. TLM's communicate battery life, tank level, and tank volume information via RF wireless signal to the PC and utilize RF communication via 2.4 GHz IEEE 082.15.4.
5. Software shall be capable of configuration with a choice of three different security levels, system monitoring, pin code, and parts room authorization. Meter dispense-information, tank level information, and battery level

information can be monitored on the PC. Work orders and job numbers can be entered at the PC, the meter, or both if desired. Work orders screen access is password protected. Work-orders at the meter are controlled using the pin code or parts room authorization security features. TLM's can be programmed to report levels to the PC automatically up to 10 times per day.

- B. Provide Fluid Management components as follows:
1. Meters/Dispense Valves as indicated in Reel and Pumps portion of specification for stationary application.
  2. Two (2) Part # 257-464 Transceivers with universal power supply, two (2) Part # 15T999 15 ft USB cable, two (2) Part # 255-731 USB/RS422 converters. Sufficient cable to locate transceivers in appropriate area of shop.
  3. Three (3) Part #256-285 Tank Level Monitors.
  4. One (1) Premier Software Package (part #256-634) for third party interface.

## 2.2 Equipment

### A. Reels

All lubrication, air and water reels shall be spring powered and self retracting with a minimum of four replaceable roller guides incorporated in a sliding hose outlet to ensure an even rewind of hose onto the reel. Reel shall incorporate a double pedestal, double arm design adjustable 180 degrees. Single pedestal, single arm designs shall not be acceptable. Rewind spring shall be sealed and must allow for adjustment of spring tension without removing hose and while system is pressurized. Reel bearings shall be sealed making reels suitable for outdoor use. All reels shall be blue in color with reel hub painted black

1. Provide the following reels for shop area to be positioned in accordance with drawings. Reels shall be provided with proper mounting channels, and brackets.
  - a. Two (2) Motor Oil Reel Assemblies consisting of the following: part # HSM65B with 50' of 1/2" hose, dispense handle part #256-482.
  - b. Two (2) Automatic Transmission Fluid Reel Assemblies consisting of the following: part #HSM65B with 50' of 1/2" hose, dispense handle part #256-482.
  - c. Seven (7) Air Reel Assemblies consisting of the following: part #HSL65B with 50' of 1/2" hose.

- d. Two (2) Water Reel Assemblies consisting of the following: part # HSL56B with 65' of 3/8" hose, dispense handle part#180685.
- e. Two (2) Grease Reel Assemblies consisting of the following: part #HSH55B with 50' of 3/8" hose, dispense handle part#242058.

## 2.3 Equipment

### A. Pumps

1. Motor Oil/ATF Pumps: Each pump shall have a minimum 5:1 ratio and be powered by a minimum 3" air motor that incorporates a "valve-in piston" design. Pump shall be double acting and carry a minimum 10 year factory warranty. Warranty must be stated in manufacturers' printed (standard) literature. Pump shall include a groundable connection as standard manufacture. Oil 1, and ATF pump assemblies shall include the following:
  - a. Pump System (part #225-852)
  - b. CleanLine Filter Assembly (part #248-418)
  - c. Regulator (part #109075)
  - d. Pressure Gauge (part #224-512)
2. Chassis Grease Dispenser: Pump shall have a minimum 50:1 ratio and be powered by a minimum 3" air motor that incorporates a "valve-in piston" design. Pump shall be double acting and carry a minimum 10 year **factory** warranty. Warranty must be stated in manufacturers' printed (standard) literature, Topper-Inductor Package for 400lb drum to consist of the follow:
  - a. Pump Assembly (part #226-013)
  - b. Regulator (part #109-075)
  - c. Pressure Gauge (part #224-512)

## 2.4 Equipment

### A. New Oil Storage Tank

1. Tank shall be UL 142, Double Wall Construction allowing 110% secondary containment. Tank shall be constructed of a minimum 12 gauge sheet metal, skid mounted and shall meet NFPA-30 requirements. Tank shall include BK-1 BJ Enterprises liquid level gauge, lockable fill cap, mushroom vacuum vent, emergency vents for inner and outer tank, four anchor pads to allow securing

tank to pad. Tank shall be painted with a prime coat of paint and shall include applicable safety and product decals. Manufacturer shall be Newberry Tanks.

- a. Provide One (1) 280 gallon capacity tank for ATF, One (1) 500 gallon capacity tank for New Oil.

## 2.5 Equipment

### A. Used Product Storage Tank

1. Tank shall be UL 142, Double Wall Construction allowing 110 % secondary containment. Tank shall be constructed of a minimum 12 gauge sheet metal, skid mounted and shall meet NFPA-30 requirements. Tank shall include BK-1 BJ Enterprises liquid level gauge and lockable fill cap, mushroom vacuum vent, emergency vents for inner and outer tank, two inch drop tube and quick connect (for pumping out tank), four anchor pads to allow securing tank to pad. Tank shall be painted with a prime coat of paint and shall include applicable safety and product decals. Manufacturer shall be Newberry Tanks.
  - a. Provide One (1) 1000 gallon capacity tanks for Waste Oil.
  - b. Provide Two (2) waste fluid removal systems Oil/Antifreeze consisting of the following: Two (2) part #24E166 Diaphragm pump Systems, Four (4) part#238866 receivers, Two (2) part#248632 receivers, Audible alarm system (by BJ Enterprises) part #7570 and part #7575 .

## PART 3 - EXECUTION

### 3.1 INSTALLATION

#### A. INSTALLATION:

1. Install air and fluid dispensing equipment in accordance with manufacturers' recommendations. Seamless steel tubing shall be provided from fluid dispensing pumps to reels with pressure type hydraulic fittings.
2. Piping shall be supported at intervals not to exceed 10'0" and at each change in direction, horizontal or vertical. Hangers shall be as manufactured by Grinnell or Michigan.
3. Hangers shall be supported from the building structure by means of beam clamps. Hanger rods shall be standard bolt steel with machine screw threads.

Provide additional steel angle or Unistrut intermediate supports as required between main beams or steel roof purlins and as indicated on plans.

4. Piping shall be installed in a workmanlike manner, with lines running parallel in relation to one another as well as parallel or perpendicular to the main building lines. Tubing installation must be coordinated with the installation of plumbing, fire protection, mechanical and electrical systems.
5. One portion of installation procedures is being emphasized as follows, but in no way minimizes the remaining manufacturers' installation instructions.
  - a. Blow all lines clean before making final equipment connections.
  - b. Flush lubricant lines with new product.
  - c. Do Not Install Control Valves Before Flushing.
  - d. Each line shall be flushed with the pump to be used on the line.
  - e. After the lines are flushed, install control valves and pressure test with line under pressure. Check all connections and fittings for leakage.
  - f. Adjust all hose reels so valves hang seven (7) feet from the floor.

### 3.2 WARRANTY

#### A. WARRANTY:

1. The Contractor shall furnish a one year Warranty Guarantee on the equipment installation including manufacturer's guarantee on the equipment items.

### 3.3 INSTRUCTION

#### A. INSTRUCTION:

1. Instruct Owner's Maintenance Crew how to operate and maintain equipment in one 8 hour instruction session or two 4 hour instruction sessions.

## SECTION 118900 - VEHICLE EXHAUST REMOVAL SYSTEM

## 11890.1 – GENERAL:

## A. SUMMARY:

1. Provide complete vehicle exhaust system to meet requirements for vehicles being serviced in the Maintenance Building.
2. The Contractor shall have available and in-stock replacement parts to make any repair to the equipment when necessary. The Contractor shall have available factory trained mechanics able to perform all necessary repair work on the equipment. All equipment shall be supplied by one (1) manufacturer. Intermixing of equipment brands to meet job requirements shall not be acceptable. Manufacturer shall comply with all applicable requirements of the Buy America Act.

## B. SUBMITTALS:

1. Product Data: For each type of product indicated.

## 11890.2 – PRODUCTS:

## A. MANUFACTURERS:

1. Basis of Design Product: Subject to compliance with requirements provide products by HARVEY INDUSTRIES, Akron, OH or comparable products by other manufacturers.

## B. EXHAUST REEL &amp; ADAPTER:

1. Provide two (2) RHR-6R exhaust reels for Maintenance Building. Reels shall have automatic recoil, lock and latch mechanism and shall include the following:
  - a. Hose shall be 6" I.D. x 25' long, high temperature (600 degrees F) flexible silicone/fiberglass with internal wire helix rubber coated hose.
  - b. 4' x 6" flex tube for connection with two stainless steel straps to overhead duct.
  - c. Rubber tail pipe adapter
  - d. Stop collar with stainless steel straps.
  - e. Shut-off damper for isolation of reel from system.

## C. EXHAUST BLOWER FANS:

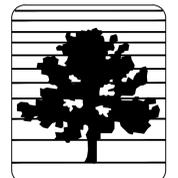
1. Provide Part # BD-11 shall be furnished and installed as shown on the plans and/or in the schedule of equipment. Blower shall meet following requirements:
  - a. Unit shall have backwardly inclined non-overloading flat bladed fans.

- b. Fan unit shall have an air capacity of not less than 2550 cfm @ 3" static pressure.
- c. The motor H.P. shall not be larger than specified 2 HP unit.
- d. Fan unit shall be furnished and installed complete with electric motor, anti-vibration pads, back draft damper, inlet and outlet flexible connection, drive cover, adjustable motor base, adjustable sheave, and V-belt drives.
- e. The fan shall be tested and performance rated in accordance with the Air Movement and Control Association Bulletin 210-174 Test Code and shall bear the AMCA certified rating seal.
- f. Wheels and fan shafts shall be static and dynamically balanced in combination at the specified speed. Fans shall deliver the required CFM rating as per plans and specifications at a static head of 3 inches with a 230 volt, 3 phase, 60 Hertz motor.

D. DUCT:

- 1. Overhead ductwork shall be high pressure duct fabricated in accordance with SMACNA and proper construction standard. Acceptable duct pipe will be "Spiral" or Hammerlock". Snaplock pipe is unsatisfactory.
  - a. The overhead duct work will have a 6" O.D. airflow "T" or stub for each reel outlet drop.

END OF SECTION 11890



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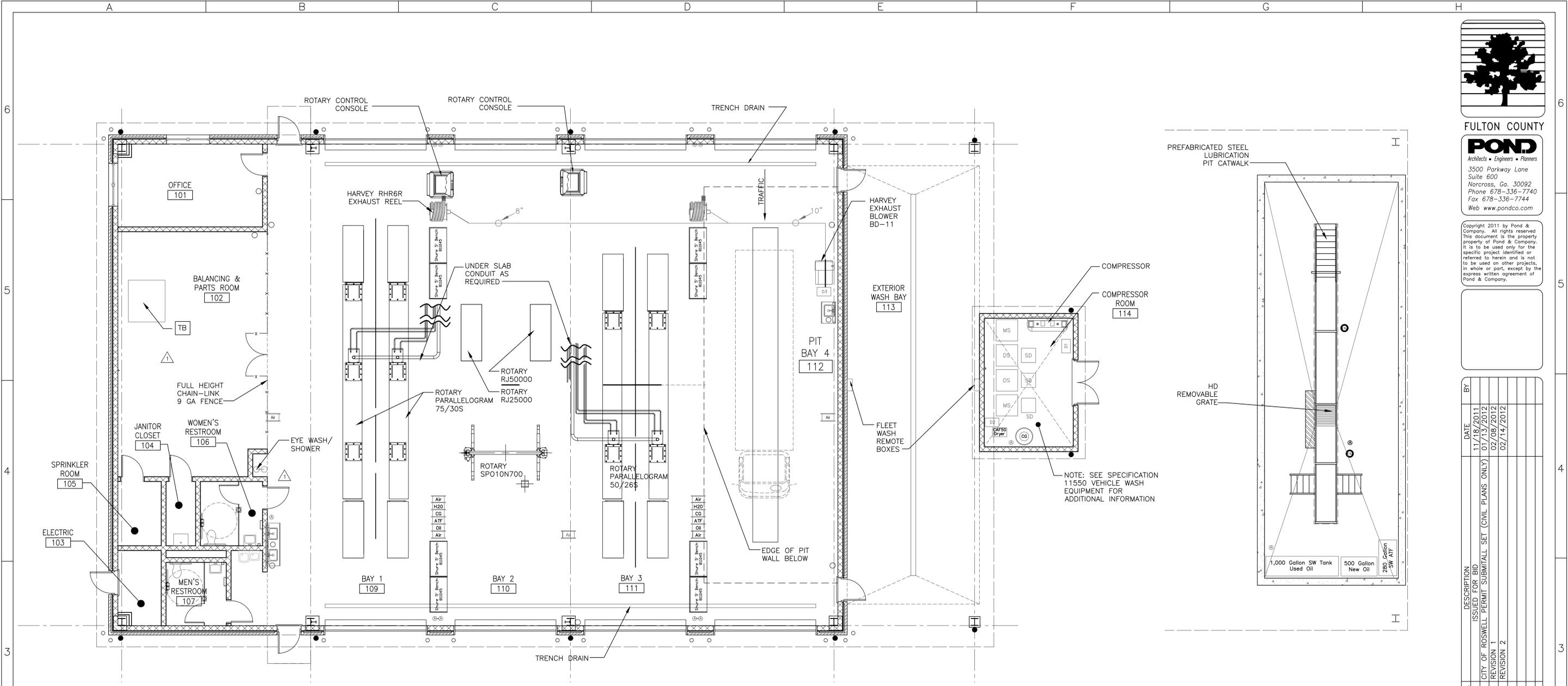
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	REVISION 2	02/14/2012	

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	ISSUED FOR BID	11/18/2011	
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	REVISION 1	02/08/2012	
	REVISION 2	02/14/2012	

NORTH FULTON MAINTENANCE AND OPERATIONS CENTER-W026  
 ROSWELL, GEORGIA  
**MAINTENANCE BUILDING EQUIPMENT PLAN**

DRAWING NUMBER:  
**A-113**  
 SHEET

DESIGNED BY: ERA  
 CHECKED BY: MJM  
 ISSUED DATE: 11/18/2011  
 Job Number: 1110247



**LUBE-AIR SYSTEM EQUIPMENT SCHEDULE**

(A)	SINGLE AIR DROP - 3/4" LINE W/ (1) #581 COIL HOSE PNEUMATIC COUPLER
(A-A)	DOUBLE AIR DROP - 3/4" LINE W/ (1) #581A & (1) #342A COIL HOSE PNEUMATIC COUPLER
Air	GRACO HSL65B 1/2" x 50' AIR REEL
H2O	GRACO HSL56B 3/8" x 60' WATER REEL
CG	GRACO HSH55B 3/8" x 50' GREASE REEL
ATF	GRACO HSM65B 1/2" x 50' ATF REEL
Oil	GRACO HSM65B 1/2" x 50' OIL REEL
Air	GRACO HSL65B 1/2" x 50' AIR REEL
CG	CHASSIS GREASE DISPENSE POINT WITH 16" HOSE AND #242-058 DISPENSE VALVE, 224-569 SWIVEL, 202-869 SHUTOFF VALVE. INCLUDE HANGER ASSEMBLY FOR HOSE AND VALVE.
CG	GRACO #226-013 CHASSIS GREASE PUMP ASSEMBLY FOR 400LB. DRUM
U-U	CURTIS 7.5 HP DUPLEX MASTERLINE SERIES
UO	1,000 GALLON SW TANK USED OIL
NO	500 GALLON NEW OIL
ATF	280 GALLON SW ATF

**EQUIPMENT ELECTRICAL SCHEDULE**

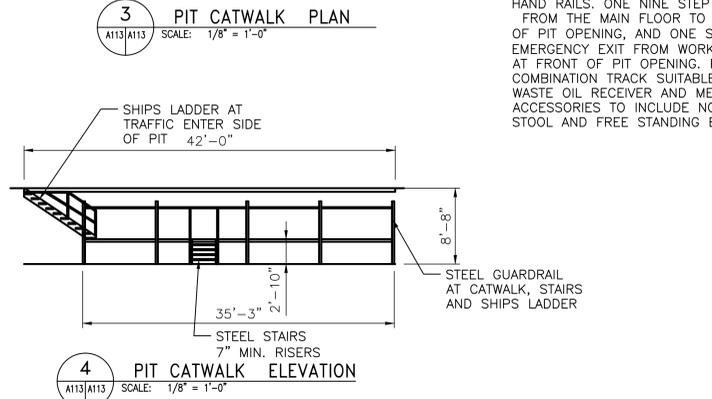
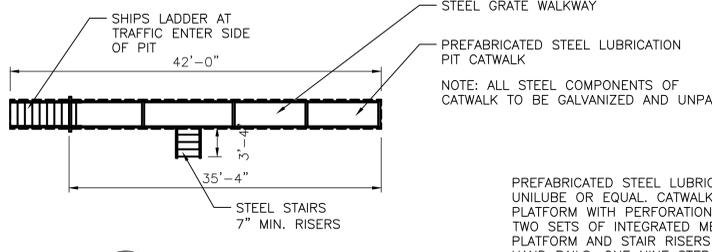
D1	460V, 3PH, 11 F.L.A. DISCONNECT MOUNTED 48" AFF. DIRECT WIRE TO AIR COMPRESSOR BY ELECTRICIAN
D2	115V, 1PH, 7.1 F.L.A. DISCONNECT MOUNTED 48" AFF. DIRECT WIRE TO DRYER BY ELECTRICIAN
D3	230V, 3PH, 4.0 F.L.A. DISCONNECT MOUNTED 60" AFF. WITH PUSH BUTTON ON OFF SWITCH. DIRECT WIRE TO BLOWER MOTOR BY ELECTRICIAN
P/U	460V, 3 PH, 14 F.L.A. POWER. MOUNT 4 PRONG RECEPTACLE 48" AFF FOR CONNECTION TO LIFT POWER UNIT PLUG.

**CARWASH SYSTEM EQUIPMENT SCHEDULE**

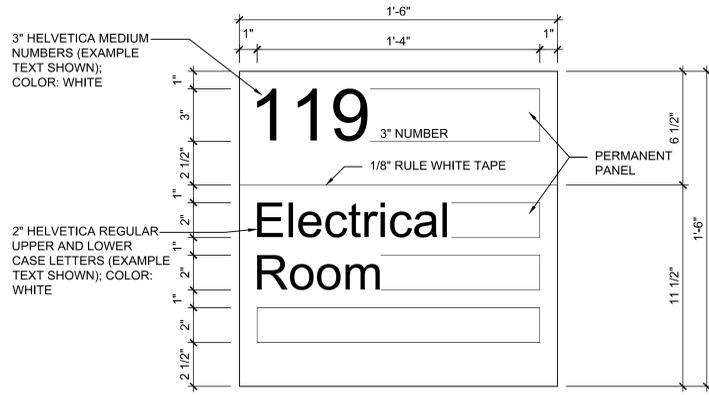
SD	2'x2' CAR WASH SOAP DISPENSER
MS	CAR WASH SOAP DISPENSER PART# 32002
DS	CAR WASH SOAP DISPENSER PART# 58002
D4	460V, 3PH, 11 F.L.A. DISCONNECT MOUNTED 48" AFF. DIRECT WIRE TO AIR COMPRESSOR BY ELECTRICIAN

**TIRE BALANCING MACHINE**

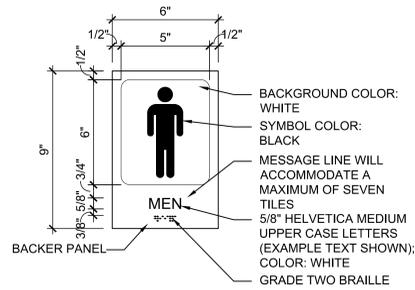
TB	TIRE BALANCING MACHINE. COATS MODEL 6450-3D HEAVY-DUTY TRUCK WHEEL BALANCER WITH SOFTWARE FOR CAR AND VAN TIRES IN ADDITION TO TRUCK TIRES. 220V/1P.M SUBJECT TO REQUIREMENTS EQUAL PRODUCT BY OTHER MANUFACTURERS IS ACCEPTABLE.
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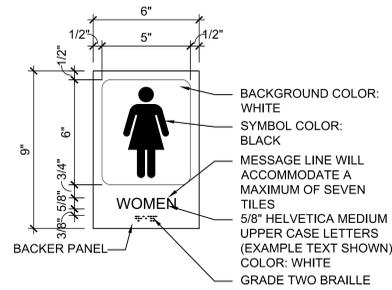
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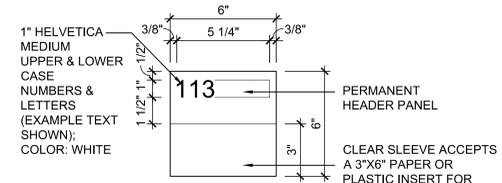
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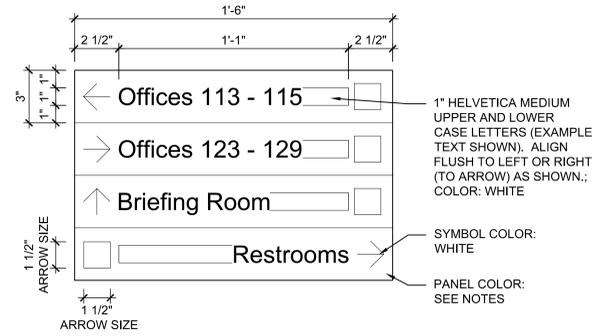
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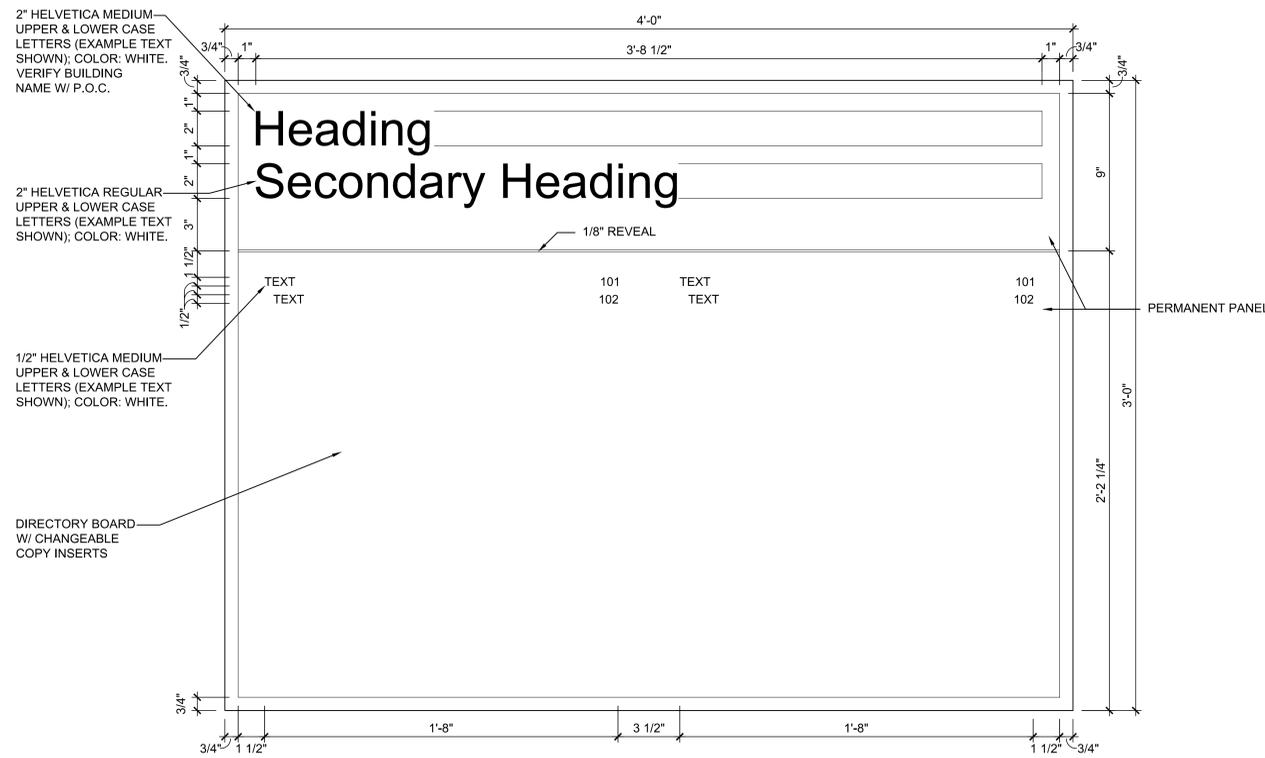
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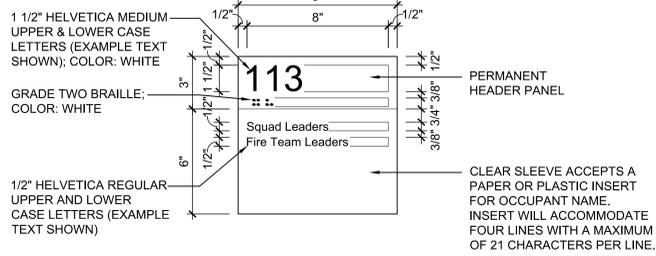
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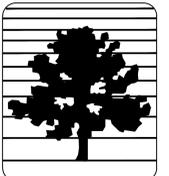


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NOTE: CONSULT WITH CONTRACTING OFFICER PRIOR TO PREPARING SHOP DRAWINGS FOR ALL INTERIOR AND EXTERIOR SIGNAGE.



FULTON COUNTY

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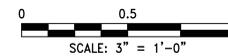
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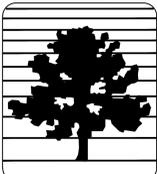
NORTH FULTON MAINTENANCE AND OPERATIONS CENTER-W026  
ROSWELL, GEORGIA

SIGNAGE DETAILS

DRAWING NUMBER:  
**I-111**  
SHEET

DESIGNED BY: ACR  
CHECKED BY: MJM  
ISSUED DATE: 11/18/2011  
Job Number: 1110247





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**SIGNAGE DETAILS**

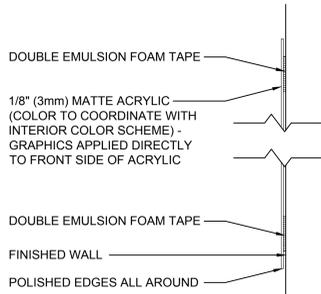
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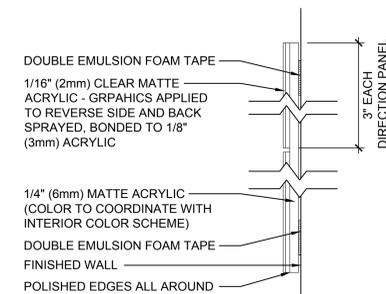
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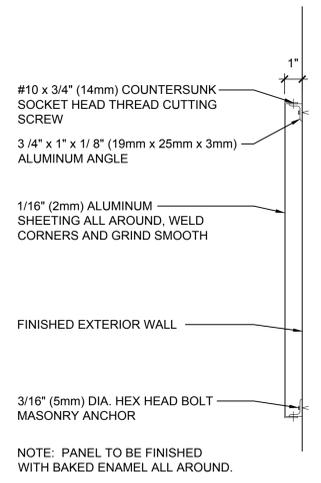
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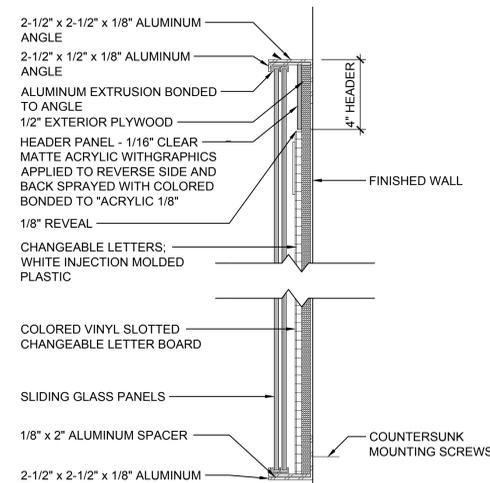
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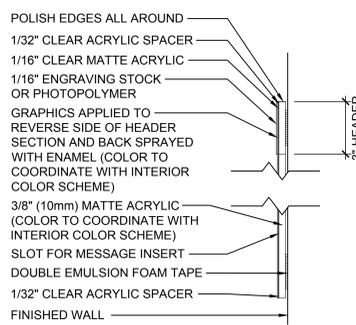
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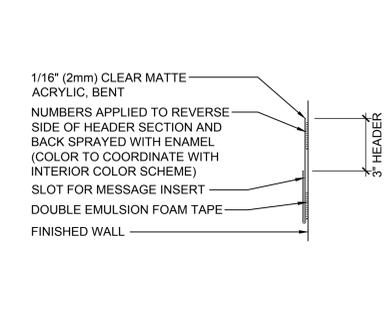
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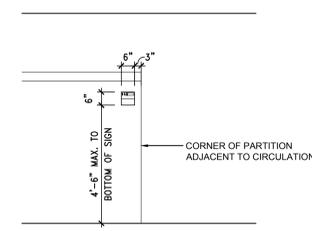
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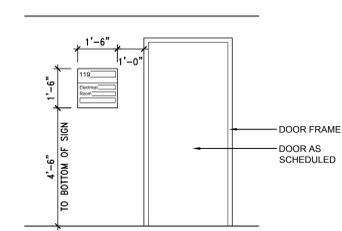
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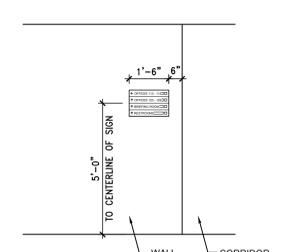
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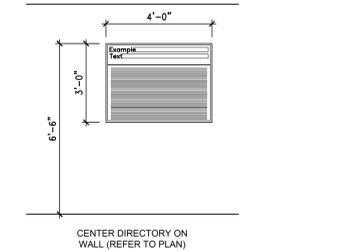
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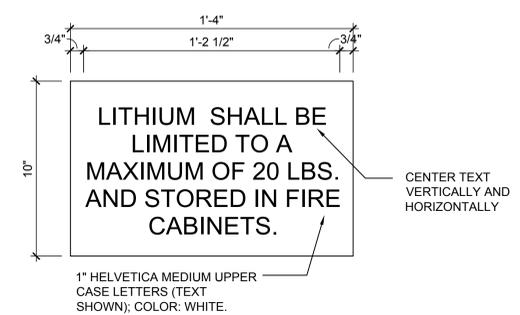
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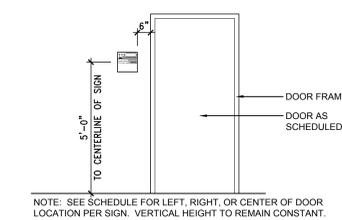
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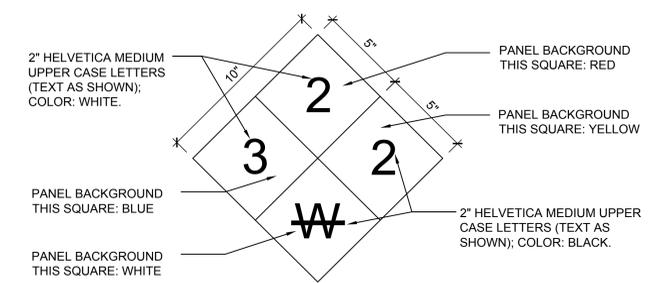
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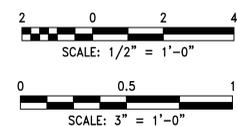
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**ITB DVD HOLDER'S LIST**  
**NORTH FULTON MAINTENANCE & OPERATIONS CENTER (NFMOC) – W026**  
**INVITATION TO BID NUMBER 12ITB81746 K – JAJ**  
**COST PER DISK - ~~\$100.00~~ 50.00**

**NOTE: PLEASE PRINT INFORMATION LEGIBLY**

DATE	NAME	COMPANY'S NAME (IN FULL)	COMPANY'S ADDRESS	CONTACT E-MAIL ADDRESS	TELEPHONE	PAYMENT FORM
						DISK NUMBER
2012 1/17	Chris Shoptaine Reed Construct	Reed Construction Data	30 Technology Pkwy So, Ste 590 NORCROSS GA 30092	Fedex		# 20
		<del>CIVIL WORKS, INC</del>	<del>495 Hutchens Rd Atlanta, GA 30354</del>		<del>404-363-8127</del>	
1/18	Alisha Davis F 866-568187	ISGFT® Planroom/ AGC Builders Exchange	4500 Lake Forest Driv, Ste 502 Cincinnati, OH 45242	agcbe@ ISGFT.com FedEx!	800 - 364-2059 x8018	# 19 # 25010
1/20	Jeff Casey	Reliable Hyd.	2680 S. Cobb DR. Smarna, GA. 30080	Jeff@reliable hydraulics. com	770 432- 5410	cash #18
1-25-12	Amanda Chodkowskii	Juneau Construction Company	3715 Northside Pkwy NW, Atlanta GA. 30327	achedkowskii@juneaucc.com	404-264 5121	#17

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DATE	NAME	COMPANY'S NAME (IN FULL)	COMPANY'S ADDRESS	CONTACT E-MAIL ADDRESS	TELEPHONE	PAYMENT FORM
						DISK NUMBER
1/30/12	Todd Bigham	Atlanta Gredig + Utilities LLC	3345 Jonesboro Rd. Atlanta, Ga. 30334	Toddb e agulle.net	4-379-2170	ck 016
1/31/12	David Hinds	US FENCE & Gate INC	6612 interstate 10W, Orange TX 77632	4 77632	409- 779-75 81	015
1/31/12	Teresa Wheeler	SWOFFORD CONSTRUCTION INC	6630 Oakledge Commerce way Austell Ga 30168	678-945- 8989 Fax	678-945 8988	1709 014
2/2/12	MIKE Lindeman	Abuck, INC	526 Discovery Pl Mableton, GA 30126	Bill. Lindeman @ ABUCK.COM Abuck	404-799- 0101	Disk 13 5881
2-7-12	Jennifer Disotell <del>Diana</del>	Hogan Construction Group	5075 Avonlon Ridge PKWY NORCROSS, GA 30071	Jdisotell@hogan construction group. com	110-242- 8588	Disk 12 56365

2/14/12  
P/UC  
Add  
#2  
DVD

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**NORTH FULTON MAINTENANCE & OPERATIONS CENTER (NFMOC) – W026**  
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DATE	NAME	COMPANY'S NAME (IN FULL)	COMPANY'S ADDRESS	CONTACT E-MAIL ADDRESS	TELEPHONE	PAYMENT FORM
						DISK NUMBER
2/9/12	Luke Ross	TRIAD Construction Co, Inc	5136 Southridge Pkwy ste 108 College Pk, 30349 Ga	Luke Ross lross@triad - atlanta.com	770 - 907-9300	11
2/9/12	Robby Wright	CATAMOUNT CONSTRUCTORS	10 Mansell Ct E, ste 150 Roswell Ga 30076	Rwright@ catamountCONSTR UCTORS.COM	770-518- 2800	133424 disk 10
2/14	Rachel Wheeler	R & K, Reddeny Construct	412 Sangamore Rd Bremen ga 30110	770-537-1845		#9 Add Attendee
2/16/12	Maria Shelby	CDC News Construction Data Company	One oakbrook Terrace, Ste 10 Oak Brook Terrace IL 60181	plans @ CDC News	512-634- 5965	8

2  
2  
DVS  
2